RAINBOW CITY

# MS4 ANNUAL REPORT

April 1, 2024 - March 31, 2025

Prepared by
S&ME, Inc.

May 30, 2025

City of Rainbow City
3700 Rainbow Drive
Rainbow City, Alabama 35906

Attention: Mayor Joe Taylor

Reference: **Annual Report: April 1, 2024 to March 31, 2025**
**Rainbow City MS4**
Rainbow City, Etowah County, Alabama
S&ME Project No. 24820156D
NPDES Permit No. ALR040056

Dear Mr. Taylor:

S&ME has prepared the attached Annual Report for the Rainbow City Phase II Small Municipal Separate Storm Sewer System in accordance with S&ME Proposal No. 24820156D, dated November 15, 2024, and authorized on December 10, 2025. The Annual Report covers the April 1, 2024 to March 31, 2025 reporting period.

S&ME appreciates the opportunity to provide our services to Rainbow City. Should you have questions concerning this report, or if additional information is required, please contact the undersigned.

Sincerely,

**S&ME, Inc.**

Sarah L. Yeldell, P.E.
Project Manager

Deborah J. Jones, P.E.
Senior Engineer

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# 1.0 Introduction

S&ME, Inc. has prepared this Annual Report for the Rainbow City, Alabama Urbanized Area Phase II Small Municipal Separate Storm Sewer System for the April 1, 2024 through March 31, 2025 reporting period. Our work was performed in general accordance with S&ME Proposal No. 24820156D, dated November 15, 2024 and authorized on December 10, 2024.

The Annual Report is required by Part VI of the Alabama Department of Environmental Management (ADEM) National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems (MS4).

## 1.1 Gadsden, Alabama Urbanized Area

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 required nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the *Gadsden, Alabama Urbanized Area* to include the City of Attalla, the City of Gadsden, the City of Glencoe, the City of Hokes Bluff, City of Rainbow City, the City of Southside, and portions of unincorporated Etowah County.

In March 2022, the Bureau of the Census discontinued the practice of defining "urbanized areas." On June 7, 2023, USEPA issued a final rule clarifying the designation criteria for small MS4s. The rule replaced the term "urbanized area" in the Phase II regulations with the phrase "urban areas with a population of at least 50,000" to assist in identifying new MS4s. In December 2023, revised maps showing the 2020 urban area boundaries were released; however, ADEM has not provided guidance on the application of the 2020 maps in determining boundaries of existing MS4s. As a result, revised MS4 boundaries based on the 2020 Census were not available during the April 1, 2024 to March 31, 2025 reporting period.

A map outlining the approximate boundary of the 2010 *Gadsden, Alabama Urbanized Area* is included in **Appendix A** as **Figure 1**.

## 1.2 Permit History

The City of Attalla, the City of Gadsden, the City of Glencoe, the City of Hokes Bluff, the City of Rainbow City, the City of Southside, and Etowah County initially applied for and received a NPDES MS4 Phase II General Permit from ADEM in 2003, with the seven entities as co-permittees under authorization number ALR040009. The five-year permit expired on March 9, 2008. A Notice of Intent for renewal of the permit was submitted 180 days prior to expiration and permit coverage was administratively continued until the re-issuance of the MS4 Phase II General Permit with an effective date of February 1, 2011.

The 2011 permit expired on February 1, 2016. A Notice of Intent for renewal of the permit was submitted by each entity 180 days prior to expiration; therefore, the permit coverage was extended until the re-issuance of the MS4 Phase II General Permit in September. To assist in compliance tracking, the Gadsden-Etowah MS4 entities were

each issued a separate permit, although the entities agreed to continue under a joint SWMPP and monitoring plan. The Ranbow City MS4 was authorized to discharge under authorization number ALR040056 with an effective date of October 1, 2016.

The 2016 permit expired on September 30, 2021. A Notice of Intent for renewal of the permit was submitted 180 days prior to expiration, and the MS4 Phase II General Permit was re-issued with an effective date of October 1, 2021. The current permit will expire on September 30, 2026. Under the new permitting system, Rainbow City was required to prepare a separate SWMPP detailing the individual actions taken by the City to comply with the 2021 permit, as well as the joint activities shared with the remaining Gadsden-Etowah MS4 entities.

A copy of the NPDES General Permit is included in the 2025 SWMPP.

## 1.3 Storm Sewer System

A Municipal Separate Storm Sewer System (MS4) is defined by 40 CFR Part 122.26(b)(8) to be a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is:

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States;

(ii) Designed or used for collecting or conveying storm water;

(iii) Not a combined sewer; and,

(iv) Not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

## 1.4 Rainbow City MS4 Area

The Rainbow City Municipal Separate Storm Sewer System (Rainbow City MS4) is defined as the area within both the city limits and the urbanized area boundary. As defined by the 2010 Census, the *Gadsden, Alabama Urbanized Area* encompasses approximately 74.8 square miles. The Rainbow City MS4 comprises approximately 7.6 square miles (10.2%) of the 2010 *Gadsden, Alabama Urbanized Area*. Approximately 29.7% of the city is located within the MS4 boundary. A map depicting the Rainbow City urbanized area and city limits is located in **Appendix A** as **Figure 2**.

### *1.4.1 Hydrologic Units in the Urbanized Area*

Neely Henry Lake (Coosa River) is the primary receiving water for the Rainbow City MS4. Hydrologic Hierarchy, Watersheds, and Subwatersheds are provided in the tables below.

### Table 1-1 Hydrologic Hierarchy

| Type | Code | Name |
|---|---|---|
| REGION | 03 | South Atlantic-Gulf |
| SUBREGION | 03-15 | Alabama River Basin |
| BASIN | 0315-01 | Coosa-Tallapoosa: Above the confluence of and including the Coosa and Tallapoosa River Basins |
| SUBBASIN | 031501-06 | Middle Coosa |

### Table 1-2 Watersheds in the MS4 Area

| Watershed | 10 Digit HUC |
|---|---|
| Big Wills Creek | 03150106-01 |
| Big Canoe Creek-Coosa River | 03150106-03 |

### Table 1-3 Subwatersheds in the Rainbow City MS4 Area

| Subwatershed | 12 Digit HUC | Total Area (Acres) | Area within Rainbow City MS4 (Acres) |
|---|---|---|---|
| Horton Creek | 03150106-01-08 | 16,902 | 3,225 |
| Lower Big Canoe Creek | 03150106-03-06 | 33,307 | 913 |
| Coosa River-H. Neely Henry Lake | 03150106-03-09 | 46,439 | 726 |

A map showing the HUC12 subwatersheds in relation to the Rainbow City MS4 boundary is included in the 2025 SWMPP.

## 1.5 Responsible Party

The **Building Department** is responsible for the coordination and implementation of the Storm Water Management Program Plan. Coordination between City departments is established in each section of the SWMPP.

The **Storm Water Steering Committee** is responsible for the implementation of the monitoring plan.

## 1.6 Annual Report Components

Part IV of the NPDES General Permit requires that the Rainbow City MS4 prepare and submit annual reports to the ADEM each year by May 31. The Annual Report must cover the year prior to the submittal date (April 1 through March 31) and is required to include the following:

1. Contacts and responsible parties who had input to and are responsible for the preparation of the annual report

2. Overall evaluation of the SWMPP-developments and progress on the following:
    a. Major accomplishments
    b. Overall program strengths/weaknesses
    c. Future direction of the program
    d. Overall determination of the effectiveness of the SWMPP considering water quality/watershed improvements
    e. Measurable goals that were not performed and reasons why the goals were not accomplished
    f. Evaluation of the monitoring data

3. A narrative report of all minimum storm water control measures referenced in the permit to include the following:
    a. Minimum control measures completed and in progress
    b. Assessment of the controls
    c. Discussion of proposed BMP revisions or any identified measurable goals that apply to the minimum storm water control measures

4. Summary table of the storm water controls that are planned/scheduled for the next reporting cycle

5. Results of information collected and analyzed during the reporting period including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the Maximum Extent Practical (MEP)

6. Notice of reliance on another entity to satisfy some of your permit obligations

7. Results of the evaluation to determine whether discharges from any part of the MS4 contribute directly or indirectly to a waterbody that is included on the latest 303(d) list or for which a TMDL has been established or approved by EPA

8. All monitoring results collected during the reporting period

This Annual Report covers activities performed during the April 1, 2024 to March 31, 2025 reporting period under the SWMPP dated February 2025.

## 2.0 Contacts List

***Reference Part VI.B.1***

Part VI.B.1 of the NPDES Permit requires that the City of Rainbow City provide a list of contacts and responsible parties involved in the preparation of the Annual Report. The following personnel were directly responsible for the preparation of the 2024-2025 Annual Report:

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Questions concerning the 2024-2025 Annual Report should be directed to the **Building Department**.

# 3.0 Evaluation of Water Quality Concerns

***Reference Part VI.B.7***

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. The identified waters are prioritized based on severity of the pollution. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment. The TMDL process establishes the allowable loading of pollutants, or other quantifiable parameters for a waterbody, based on the relationship between pollution sources and in-stream water quality conditions.

Maps showing the impaired waterbodies and watersheds in relation to the Rainbow City MS4 are provided in **Appendix A** as **Figures 3 and 4**.

## *3.1.1 Impaired Waterbodies Within the MS4*

Two impaired waterbodies are located within the Rainbow City MS4 boundary.

**Table 3-1 Impaired Waterbodies within the MS4**

| Waterbody | Impaired Segment | Type | Causes | Use |
|---|---|---|---|---|
| Big Wills Creek Embayment (Neely Henry Lake) | AL03150106-0108-111 | 303(d) (2018) | Nutrients | F&W |
| Coosa River (Neely Henry Lake) | AL03150106-0309-102 | TMDL (2008) | Nutrients<br>pH<br>Organic Enrichment (CBOD, NBOD) | F&W |

## *3.1.2 Impaired Watersheds Intersecting the MS4*

In addition to the impaired waterbodies, the Rainbow City MS4 encompasses portions of watersheds for the following impaired waterbodies:

**Table 3-2 Portions of Impaired Watersheds within the MS4**

| Watershed | Impaired Segment | Type | Causes | Use |
|---|---|---|---|---|
| Big Wills Creek Embayment (Neely Henry Lake) | AL03150106-0108-111 | 303(d) (2018) | Nutrients | F&W |

| Watershed | Impaired Segment | Type | Causes | Use |
|---|---|---|---|---|
| Coosa River (Neely Henry Lake) | AL03150106-0309-102 | TMDL (2008) | Nutrients<br>pH<br>Organic Enrichment (CBOD, NBOD) | F&W |
| Big Canoe Creek Embayment (Neely Henry Lake) | AL03150106-0306-111 | TMDL (2008) | Nutrients<br>pH<br>Organic Enrichment (CBOD, NBOD) | S<br>F&W |

### *3.1.3 Neely Henry Lake TMDL*

In 2008, the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorous), pH, and Organic Enrichment/Dissolved Oxygen. The Rainbow City MS4 directly and indirectly discharges to Neely Henry Lake; therefore, **the Rainbow City MS4 is required to achieve a 30% reduction in Total Phosphorus discharge loading**.

Sources of nutrient and organic enrichment from non-point sources within the Coosa River watershed include:

- Runoff from pastures
- Runoff from animal operations
- Direct discharge to streams due to cattle
- Improper land application of animal waste
- Failing septic systems
- Urban runoff

Point source contributors of storm water pollution within the Coosa River watershed include:

- Discharge from wastewater treatment plants
- Discharge from industrial operations

Part IV.D of the NPDES General Permit requires that the City implement Best Management Practices (BMPs) and control measures specifically targeted to achieve the waste load allocations prescribed in the TMDL. The City must also implement a monitoring program to document that the waste load allocations prescribed in the TMDL are being achieved.

# 4.0 Overall Program Evaluation

***Reference Part VI.B.2***

## 4.1 Major Accomplishments

During the 2024-2025 reporting period, the City completed 66 out of 78 planned strategies, as well as two additional strategies. The number of completed activities (66) demonstrates the City's commitment to implement the SWMPP and Phase II Permit.

**1. Updated and revised the 2022 Storm Water Management Program Plan (SWMPP)**

In August 2024, the EPA approved TMDLs related to E. coli for two segments of Big Wills Creek and four tributaries to Big Wills Creek. Although the Rainbow City MS4 does not discharge to Big Wills Creek, the City partners with the surrounding municipalities to perform watershed monitoring under a joint monitoring program. In response to the issuance of the new TMDLs, the Rainbow City MS4 SWMPP was revised to include the 2025 Etowah Monitoring Partnership Wet Weather Monitoring Program.

**2. Performed construction inspections to identify and address deficient sites**

The City performed monthly inspections at active construction sites. Sites with noted deficiencies were not identified during the 2024-2025 reporting period. The City conducted 220 inspections for 23 active construction sites during the 2024-2025 reporting period.

**3. Maintained the recycling program and supported the Southside recycling program**

The City maintained two drop-off recycling locations and distributed recycling bins to local businesses during the reporting period. Approximately 339 tons of recyclable material was collected, helping to reduce the amount of litter dumped within the MS4.

The City also entered into an agreement with the City of Southside to support the Southside recycling program by removing and recycling cardboard collected in the new Southside recycling trailers.

**4. Performed outfall inspections and addressed a suspect illicit discharge**

The City inspected 92 outfall locations during the reporting period. Fifteen outfalls were missing and were removed from the outfall inventory. Dry weather flow was observed in one outfall, and field screening for temperature, ammonia, and pH was conducted in accordance with the IDDE program. Field screening results did not indicate any suspected illicit discharges.

## 4.2 Overall Programs Strengths and Weaknesses

The City continues to evaluate the processes and procedures in which it accomplishes the objectives of the SWMPP. Their strengths and weaknesses remain very similar as in past years.

The main strength of the Rainbow City program is the completeness of the City's outfall inventory and MS4 map. By surveying system features and conducting a full stream walking program, the City was able to identify a large number of outfalls. The inventory has been maintained through annual dry weather inspections and observations. The inventory and map are crucial to understanding how runoff from the MS4 is conveyed to the waterbodies, and the types of outfalls identified may help target public education efforts regarding common pollutants.

The main weakness of the program is the small number of municipal staff that can be dedicated exclusively to the performance of the duties required by the Phase II Permit. This limits their availability to participate in activities throughout the City related to the SWMPP. The City currently employs a Building Official as the primary executive of the storm water program. The Building Official assists with the storm water program responsibilities; the program duties are handled by two individuals. The City does not currently have the ability to expand the Department for the storm water program; therefore, this weakness is expected to remain for several years.

## 4.3 Future Direction of the Program

During the upcoming reporting period, the City will increase their efforts to promote educational materials and actively solicit public input by using resources such as social media to increase public engagement with the MS4 program.

## 4.4 Overall Effectiveness of the SWMPP

Rainbow City is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the 2025 SWMPP appears to have been effective in meeting the objectives and requirements of the 2021 Phase II Permit.

## 4.5 Measurable Goals Not Performed

The City maintained the stormwater management webpage, but did not add any new educational material to the website.

Although the City created three social media posts regarding storm water education, the City did not distribute storm water messaging or educational materials on social media every quarter.

Although the City provided the 2023-2024 Annual Report and 2025 SWMPP on the stormwater management webpage and the City's social media accounts, an announcement was not posted on the City's digital sign.

The City did not promote a Water Quality Awareness Week during the reporting period.

One City employee participated in the 2025 *Etowah Country Water Festival*, but the City did not promote the festival.

Although the City maintained a public complaint reporting form on the stormwater management webpage, they did not promote the form or reporting method on social media.

The City did not provide educational materials regarding the identification and reporting of potential illicit discharges on the City's social media pages.

The City did not develop a written Standard Operating Procedure (SOP) for municipal vehicle fueling.

# 5.0 Storm Water Monitoring Data Evaluation

***Reference Part VI.B.5 and 8***

## 5.1 Rationale Statement

As discussed in Section 3.0, the Rainbow City MS4 currently discharges to impaired waterbodies for which a TMDL has been approved. Part V.A of the 2021 MS4 Permit requires that the SWMPP include a monitoring plan to assess the effectiveness of the BMPs in achieving the waste load reductions/allocations outlined in the TMDL.

The intent of the monitoring program is to evaluate the effectiveness of the City's BMPs in achieving the required phosphorous reduction as established in the TMDL and to generally evaluate overall water quality. Where deviations are documented and/or expected, the collected monitoring data will be used to determine the extent and cause of the pollutant of concern.

The 2025 *Etowah Monitoring Partnership Wet Weather Monitoring Program* is included as Appendix C of the SWMPP dated February 2025. The program details monitoring parameters, monitoring locations, field documentation, and sampling procedures.

## 5.2 Monitoring Events

Beginning in January 2013, S&ME was retained by the Gadsden-Etowah Storm Water Steering Committee to collect the required quarterly surface water samples and provide analyses of the sampling events. On March 24, 2015, the cities of Attalla, Gadsden, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County entered into a Cooperative Agreement to jointly perform the quarterly monitoring.

Beginning in October 2023, the City of Gadsden elected to separate from the joint monitoring agreement and perform their own monitoring. The cities of Attalla, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County have continued to jointly perform the quarterly wet-weather monitoring. Monitoring events conducted since October 2023 do not include monitoring points CO 15, GD 6, GD 7, GD 8, or GD 9.

**Table 5-1 Monitoring Events to Date**

| MS4 Reporting Period | Monitoring Event | Date(s) Monitoring Conducted |
|---|---|---|
| April 1, 2012 – March 31, 2013 | 2013 Q1 | March 12 & 13, 2013 |
| April 1, 2013 – March 31, 2014 | 2013 Q2 | May 8 & 20, 2013 |
| | 2013 Q3 | September 23, 2013 |
| | 2013 Q4 | December 10, 2013 |
| | 2014 Q1 | February 6, 2014 |

| MS4 Reporting Period | Monitoring Event | Date(s) Monitoring Conducted |
|---|---|---|
| April 1, 2014 – March 31, 2015 | 2014 Q2 | June 26, 2014 |
| | 2014 Q3 | September 30, 2014 |
| | 2014 Q4 | November 19, 2014 |
| | 2015 Q1 | March 23, 2015 |
| April 1, 2015 – March 31, 2016 | 2015 Q2 | April 22, 2015 |
| | 2015 Q3 | September 30, 2015 |
| | 2015 Q4 | November 19, 2015 |
| | 2016 Q1 | March 15, 2016 |
| April 1, 2016 – March 31, 2017 | 2016 Q2 | June 29, 2016 |
| | 2016 Q3 | August 9, 2016 |
| | 2016 Q4 | December 7, 2016 |
| | 2017 Q1 | March 2, 2017 |
| April 1, 2017 – March 31, 2018 | 2017 Q2 | June 21, 29, 30 and July 5, 2017 |
| | 2017 Q3 | August 16-17, 2017 |
| | 2017 Q4 | October 25-26, 2017 |
| | 2018 Q1 | March 27-28, 2018 |
| April 1, 2018 – March 31, 2019 | 2018 Q2 | June 26 and 29, 2018 |
| | 2018 Q3 | August 1-2, 2018 |
| | 2018 Q4 | December 10-11, 2018 |
| | 2019 Q1 | April 15 and 17, 2019 |
| April 1, 2019 – March 31, 2020 | 2019 Q2 | June 11-12, 2019 |
| | 2019 Q3 | August 27-28, 2019 |
| | 2019 Q4 | October 29-30, 2019 |
| | 2020 Q1 | March 30-31, 2020 |
| April 1, 2020 – March 31, 2021 | 2020 Q2 | June 10, 2020 |
| | 2020 Q3 | September 21, 2020 |
| | 2020 Q4 | December 17, 2020 |
| | 2021 Q1 | March 18, 2021 |
| April 1, 2021 – March 31, 2022 | 2021 Q2 | May 5, 2021 |
| | 2021 Q3 | September 2, 2021 |
| | 2021 Q4 | November 23, 2021 |
| | 2022 Q1 | January 10-11, 2022 |

| MS4 Reporting Period | Monitoring Event | Date(s) Monitoring Conducted |
|---|---|---|
| April 1, 2022 – March 31, 2023 | 2022 Q2 | April 7, 2022 |
| | 2022 Q3 | August 2-3, 2022 |
| | 2022 Q4 | November 16, 2022 |
| | 2023 Q1 | February 13-14, 2023 |
| April 1, 2023 – March 31, 2024 | 2023 Q2 | May 24-25, 2023 |
| | 2023 Q3 | August 7, 2023 |
| | 2023 Q4 | December 12, 2023 |
| | 2024 Q1 | January 10, 2024 |
| April 1, 2024 – March 31, 2025 | 2024 Q2 | May 20-21, 2024 |
| | 2024 Q3 | September 16, 2024 |
| | 2024 Q4 | December 11, 2024 |
| | 2025 Q1 | February 18, 2025 |

A monitoring report was issued to the members of the Steering Committee following each monitoring event. Copies of the reports for the monitoring events conducted during the April 1, 2024 to March 31, 2025 reporting period are provided in **Appendix C**.

## 5.3 Addition and Removal of Monitoring Points

No monitoring points were added or removed from the program during the April 1, 2024 to March 31, 2025 reporting period.

## 5.4 Additional Parameters

In August 2024, the EPA approved TMDLs for E. coli for two segments of Big Wills Creek and four tributaries to Big Wills Creek. One of these segments receives discharges from the Attalla MS4 and Etowah County MS4. In February 2025, the wet-weather monitoring program was revised to add pathogens monitoring in Big Wills Creek as part of the monitoring program. The City's SWMPP was updated in February 2025 to include the revised 2025 *Etowah Monitoring Partnership Wet Weather Monitoring Program*. Pathogens monitoring was first conducted during the February 18, 2025 monitoring event.

## 5.5 Statistical Analysis

A total of 49 quarterly monitoring events have been conducted since the Monitoring Program was first implemented in March of 2013. Charts 1 through 10 in **Appendix B** summarize the analytical data collected during these monitoring events.

Statistical analysis was performed on the cumulative monitoring data to evaluate trends and to determine whether there has been a statistically significant increase (SSI) of concentrations between specific monitoring points.

For the current statistical analysis, S&ME performed the statistical evaluation using the ChemStat Version 6.5 software produced by Starpoint Software. The appropriate statistical procedure used in this evaluation was determined by the characteristics of the data set. The approach used to determine the appropriate statistical evaluation and the results of the statistical evaluation are summarized in the following paragraphs.

Specific monitoring points were chosen for comparison based on their location within the MS4 area respective to other monitoring point locations and the trend of collected data. Detailed results are given in **Appendix B**.

### *5.5.1 Approach to Statistical Analysis*

Essentially, there are two sets of data to be compared during this statistical evaluation. Sen's non-parametric estimator of slope is a method of estimating the slope (change in concentration over time) of the data. Because this method is non-parametric, it is suitable for high percentage of non-detects and is not significantly affected by outliers. The result indicates whether there is an upward, downward, or no trend in the concentration data.

The Wilcoxon rank-sum test evaluates potential differences in the medians of two populations. The Wilcoxon rank-sum test can be used to compare a single data group against another data group. In this evaluation, we compared the specific monitoring points to determine if a statistically significant difference is present in a monitoring point using a statistical significance value (alpha) of 0.01. If a statistically significant difference was observed, we then compared the median values of each point to evaluate whether a point had a statistically significant increase (SSI) over the background point.

The following laboratory parameters were evaluated in the statistical analysis:

- Total Suspended Solids (TSS)
- Total Phosphorous
- Orthophosphate
- Nitrate-Nitrite
- Total Kjeldahl Nitrogen (TKN)

E. coli was not included in the 2024-2025 statistical evaluation due to a lack of data.

### *5.5.2 Change in Concentration Over Time*

Table 5-2 below lists the points and parameters for which a trend was indicated by the Sen's Slope Analysis. The remaining assessed parameters have no trend in the slope.

**Table 5-2 Summary of Results of Slope Analysis**

| Point Analyzed | Parameter | Trend |
|---|---|---|
| SME 7 | Ortho-phosphate | Upward |
| SME 7 | Nitrate-nitrite | Upward |
| SS 13 | TKN | Upward |

| Point Analyzed | Parameter | Trend |
|---|---|---|
| SME 4 | TKN | Upward |
| SME 5 | TKN | Upward |
| GD 12 | TSS | Downward |

### *5.5.3 Statistically Significant Increases*

Table 5-3 below reports the statistical evaluation for statistically significant increases (SSIs) for a summary of parameters and monitoring point comparisons.

**Table 5-3 Summary of Results of SSIs**

| Point Analyzed | Point of Comparison | SSI Identified | Parameters w/ SSI |
|---|---|---|---|
| AT 5 | SME 7 | No | - |
| GD 5 | SME 4 | No | - |
| GD 12 | SME 4 | No | - |
| HB 3 | SME 4 | Yes | TSS |
| RC 2 | SME 1 | No | - |
| RC 2 | SME 4 | No | - |
| RC 14 | SME 4 | No | - |
| SME 1 | SME 4 | Yes | Ortho-phosphate, Total Phosphorus |
| SME 1 | AT 5 | No | - |
| SME 3 | SME 4 | No | - |
| SME 5 | SME 4 | No | - |
| SME 6 | SME 4 | No | - |
| SME 6 | SME 5 | No | - |
| SME 7 | SME 4 | Yes | Nitrate-Nitrite, Ortho-phosphate, Total Phosphorus |
| SME 9 | HB 3 | No | - |
| SME 9 | SME 4 | No | - |
| SME 10 | GD 5 | Yes | TSS |
| SME 10 | SME 4 | No | - |
| SS 5 | SME 4 | No | - |
| SS 13 | SME 4 | Yes | TKN |
| SS 14 | SME 4 | Yes | TKN, Ortho-phosphate, Total Phosphorus, Nitrate-nitrite |

## 5.6 Evaluation of Monitoring Results

The results of the slope analysis indicate that, although fluctuations occur from one monitoring event to another, pollutant concentrations in the MS4 waterbodies have remained generally consistent over the past 12 years at 17 of the 22 monitoring points. The exceptions are SME 7 (Big Wills Creek), where an upward trend was observed for ortho-phosphate and nitrate-nitrite, and at SS 13 (unnamed tributary to Neely Henry Lake) where an upward trend was identified for TKN. An upwards trend for TKN was also identified at SME 4 and SME 5 (Neely Henry Lake). A downward trend was observed in GD 12 (unnamed tributary to Neely Henry Lake) for TSS.

### *5.6.1 Monitoring Points SME 4, SME 5, and SME 6*

Monitoring points SME 4, 5, and 6 were sited to assess water quality in the Coosa River where it enters the urbanized area, in the central portion of the urbanized area, and where it leaves the urbanized area, respectively, as shown in Diagram 1. The points were first sampled in December 2020, and a total of fourteen monitoring events have been completed since, with the exception of SME 4 which was not sampled in September 2021.

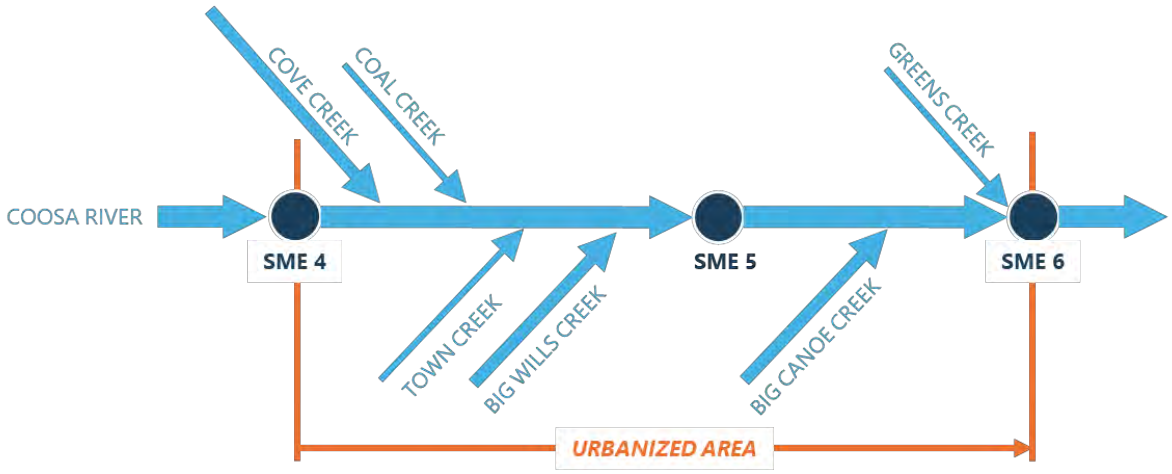



**Diagram 1. Coosa River Monitoring Points**

Over the past eighteen monitoring events, turbidity increased between monitoring points SME 4 and SME 6 thirteen times and decreased four times, with one event not sampled. Total nitrogen increased in ten of the seventeen monitoring events and TSS increased in fourteen of the seventeen events. Ortho-phosphate was detected in three events at monitoring points SME 4 and SME 5 and was detected twice at SME 6. Total phosphorous increased in six of the seventeen events.

The upwards trends identified for TKN in SME 4 and SME 5 indicate that TKN is increasing in the Coosa River upstream of the urbanized area; however, as shown in Table 5-3, no SSIs were observed when the downstream Coosa River points were compared to the upstream river points. **These results indicate that no statistically significant increase in pollutants is occurring in the Coosa River due to runoff from the urbanized area.**

The Attalla, Glencoe, Hokes Bluff, Rainbow City, Southside, and Etowah County MS4s will continue to monitor points SME 4, SME 5, and SME 6 during the April 1, 2025 to March 31, 2026 reporting period.

### *5.6.2 Monitoring Points AT 5 and SME 7*

Monitoring point SME 7 is located in Big Wills Creek, upstream of monitoring point AT 5, as shown in Diagram 2. Monitoring point AT 5 is located in Big Wills Creek, downstream of its confluence with Little Wills Creek. Monitoring point SME 7 was first sampled in December 2020, and a total of eighteen monitoring events have been completed.

**Diagram 2. Big Wills Creek Monitoring Points**

As previously discussed, based on the slope analysis, an upward trend was observed at SME 7 for ortho-phosphate and nitrate-nitrite; however, no corresponding upward trend was observed downstream at AT 5. Nitrate-nitrite decreased between SME 7 and AT 5 in fourteen out of the last eighteen monitoring events, ortho-phosphate decreased thirteen out of the last eighteen monitoring events, and total phosphorus decreased between the two points in fourteen of the last eighteen events.

As shown in Table 5-3, no SSIs were observed when AT 5 was compared to SME 7 upstream, indicating that an increase in pollutant concentrations is not occurring as Big Wills Creek passes through the Attalla and Etowah County MS4s, possibly due to dilution as other waterbodies (specifically Little Wills Creek) and runoff enter Big Wills Creek. The pollutants in Big Wills Creek are generally from outside of the MS4, and the urbanized area does not appear to be contributing additional pollution to the waterbody.

As shown in Table 5-3, SSIs for nitrate-nitrite, ortho-phosphate, and total phosphorus were noted when SME 7 was compared to the Coosa River (SME 4), indicating that the pollutant concentrations in Big Wills Creek are higher than the concentrations upstream in the Coosa; however, as previously discussed, no SSIs were observed when the downstream Coosa River points were compared to the upstream river points. **These results indicate that although Big Wills Creek is a source of pollutants to the Coosa River, the flow is not sufficient to cause an observable impact on the Coosa River.**

The Attalla, Glencoe, Hokes Bluff, Rainbow City, Southside, and Etowah County MS4s will continue to monitor points SME 7 and AT 5 during the April 1, 2025 to March 31, 2026 reporting period.

### *5.6.3 Monitoring Point SME 1*

Monitoring point SME 1 was sited to observe water quality at the location where the combined flow from Big Wills Creek, Black Creek, and Horton Creek enters the Coosa River, as shown in Diagram 3. Monitoring point AT 5 is located in Big Wills Creek, monitoring point GD 8 (which is currently monitored by the City of Gadsden) is located

in Black Creek, and monitoring point RC 2 is located in Horton Creek. The monitoring points were first sampled in March 2013, and a total of 49 monitoring events have been completed.

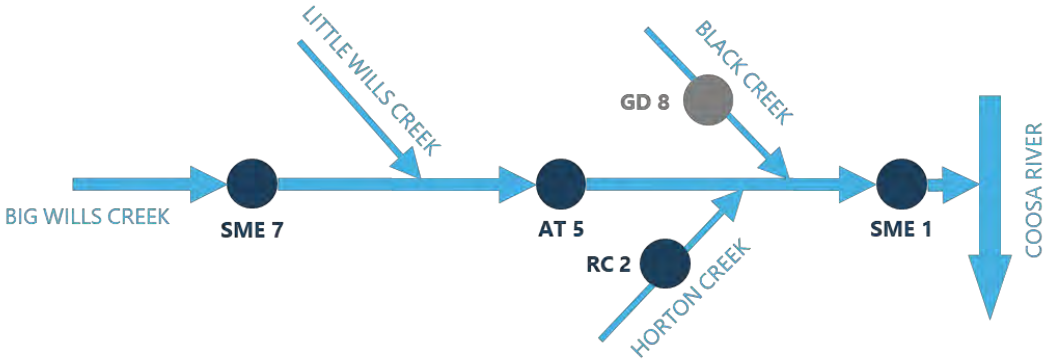



**Diagram 3. Big Wills Creek/Black Creek Embayment Monitoring Points**

Generally, nitrogen and phosphorous results at AT 5 are higher than those recorded downstream at SME 1, whereas nitrogen and phosphorous values at RC 2 are lower than those recorded at downstream SME 1. As shown in Table 5-3, no SSIs were observed when SME 1 was compared to upstream point AT 5, indicating that an increase in pollutant concentrations is not occurring before the combined flow from AT 5, GD 8, and RC 2 discharges to the Coosa River.

**These results indicate that the Big Wills Creek watershed is the primary source of nitrogen and phosphorous approaching SME 1.** A portion of the observed reduction between AT 5 and SME 1 may come from dilution as other waterbodies and runoff join Big Wills Creek. This further indicates that the urbanized area is not contributing additional pollution to the Coosa River.

The Attalla, Glencoe, Hokes Bluff, Rainbow City, Southside, and Etowah County MS4s will continue to monitor points AT 5, RC 2, and SME 1 during the April 1, 2025 to March 31, 2026 reporting period.

### *5.6.4 Monitoring Point SS 14*

Monitoring point SS 14 was sited to observe water quality in an unnamed tributary to the Coosa River in Southside, as shown in in Diagram 4. The drainage area for SS 14 includes portions of the Southside and Etowah County MS4s, as well as areas outside of the MS4 boundary. Land uses in the SS 14 drainage area include residential, commercial, recreational, and agricultural. The monitoring point was first sampled in March 2013, and a total of 49 monitoring events have been completed.

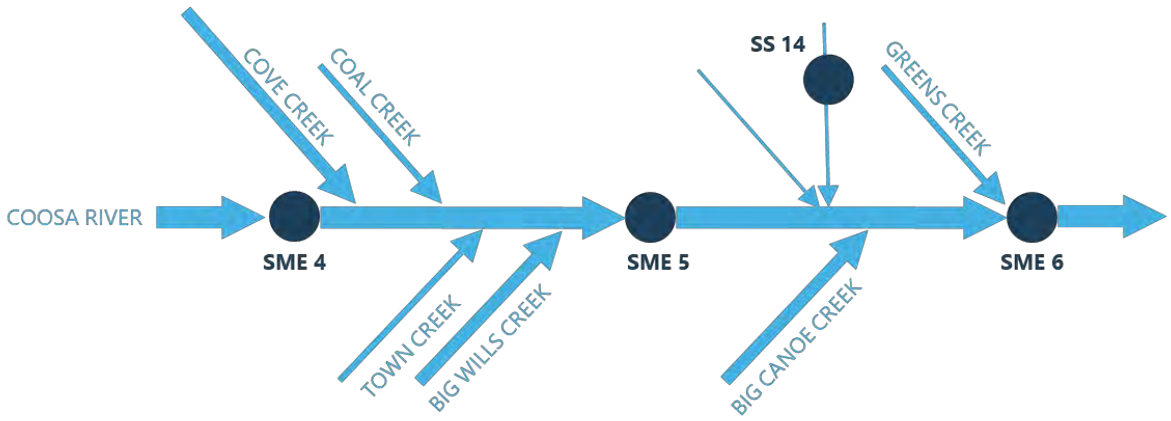



**Diagram 4. Monitoring Point SS 14**

As shown in Table 5-3, SSIs for TKN, nitrate-nitrite, ortho-phosphate, and total phosphorus were noted when point SS 14 was compared to SME 4. The monitoring results for TKN, nitrate-nitrite, ortho-phosphate, and total phosphorous at SS 14 indicate that concentrations in the unnamed tributary are higher than those observed in the river as it enters the urbanized area; however, there is no clear increase in the levels of TKN, nitrate-nitrite, phosphorus, and ortho-phosphate in the receiving water between SME 5 (Coosa River upstream of SS 14) and SME 6 (Coosa River downstream of SS 14). **These results indicate that although the unnamed tributary to the Coosa River is a source of pollutants to the Coosa River, the flow is not sufficient to cause an observable impact on the Coosa River.** Additionally, based on the results of the slope analysis, measured pollutant concentrations at SS 14 appear to have remained generally consistent over the past 12 years and are not increasing.

The Attalla, Glencoe, Hokes Bluff, Rainbow City, Southside, and Etowah County MS4s will continue to monitor points SS 14, SME 5, and SME 6 during the April 1, 2025 to March 31, 2026 monitoring period.

### *5.6.5 Monitoring Point SS 13*

An upward trend was also observed for TKN concentrations at SS 13. Monitoring point SS 13 was sited to observe water quality in an unnamed tributary to the Coosa River in Southside, as shown in Diagram 5. The drainage area for SS 13 includes portions of the Southside and Etowah County MS4s. Land uses in the SS 13 drainage area include residential, recreational, and agricultural.

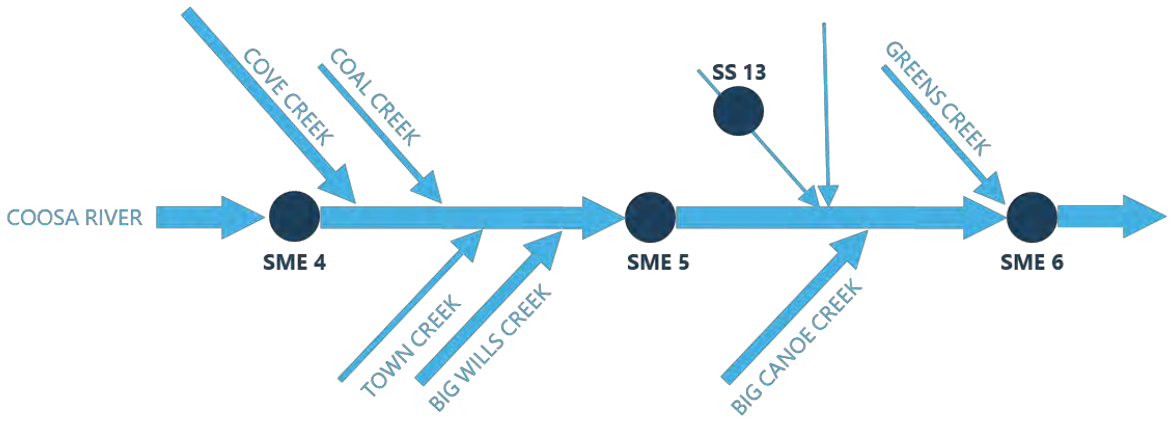



**Diagram 5. Monitoring Point SS-13**

As shown in Table 5-3, SSIs for TKN were observed at point SS 13 when compared to SME 4. This indicates that TKN concentrations in the tributary to the Coosa River are generally higher than TKN concentrations in the river as it enters the urbanized area; however, there is no clear increase in the levels of TKN in the receiving water between SME 4 (Coosa River upstream) and SME 6 (Coosa River downstream). This seems to indicate that although levels of TKN are elevated at SS 13, the flow from the associated drainage areas is not sufficient to cause a statistically significant impact on the Coosa River.

### *5.6.6 Total Suspended Solids*

With the exception of monitoring point GD 12, TSS concentrations in the MS4 waterbodies have remained generally consistent over the past 12 years. A downward trend was observed for TSS concentrations at GD 12. Monitoring point GD 12 was sited to observe water quality in an unnamed tributary to the Coosa River in Etowah County, as shown in Diagram 6. The drainage area for GD 12 includes portions of the Etowah County MS4. Land uses in the GD 12 drainage area include residential, recreational, and agricultural.

Monitoring point HB 3 was sited to observe water quality in an unnamed tributary to the Coosa River in Hokes Bluff. As shown in Table 5-3, an SSI for TSS was observed at point HB 3 when compared to SME 4. This indicates that TSS concentrations in the tributary from Hokes Bluff are generally higher than TSS concentrations in the river as it enters the urbanized area.

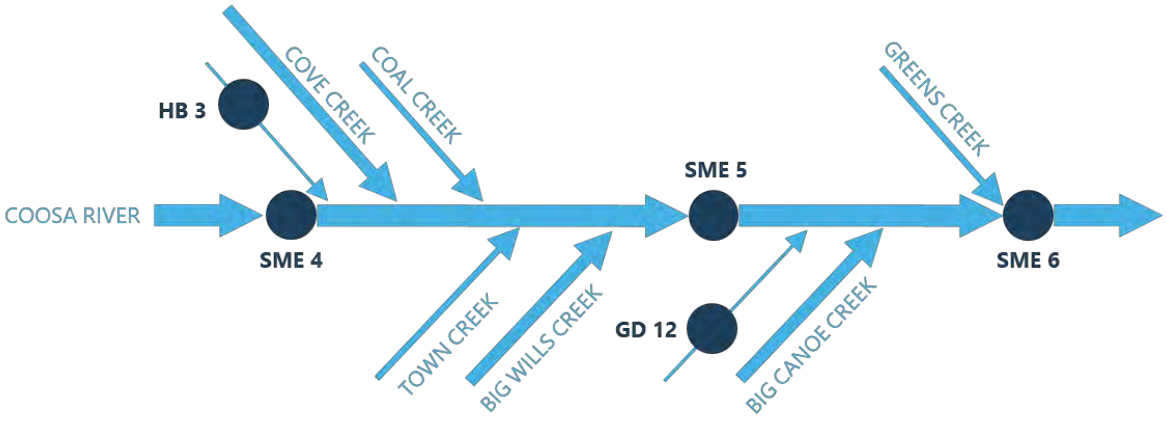



**Diagram 6. Monitoring Points HB 3 and GD 12**

Monitoring point SME 10 was sited to observe water quality in an unnamed tributary to Big Cove Creek in Hokes Bluff. Monitoring point GS 5 was sited downstream in the Cove Creek Embayment, as shown in Diagram 7. As shown in Table 5-3, an SSI for TSS was observed at monitoring point SME 10 when compared to GD 5. This indicates that TSS concentrations leaving Hokes Bluff are higher than those observed in the Cove Creek Embayment.

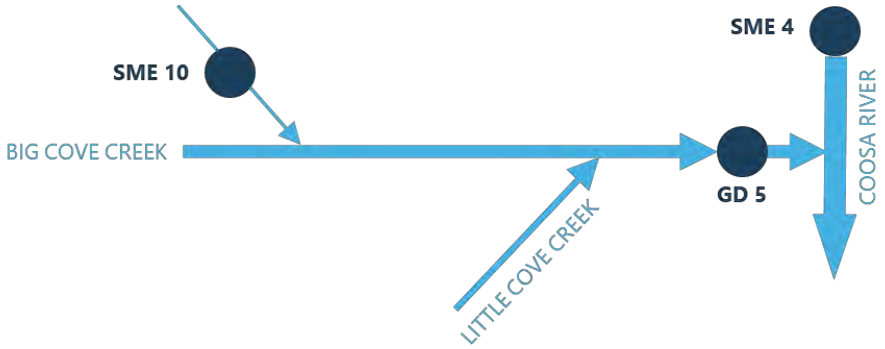



**Diagram 7. Monitoring Points SME 10 and GD 5**

There is no clear increase in the levels of TSS between SME 4 (Coosa River upstream) and SME 6 (Coosa River downstream). This seems to indicate that although levels of TSS are elevated at HB 3 and SME 10, the flow from the associated drainage areas is not sufficient to cause a statistically significant impact on the Coosa River.

## 5.7 Summary of Recommendations

The entities that comprise the Gadsden-Etowah MS4 initially took a watershed approach regarding their storm water monitoring program. This approach has allowed the entities to evaluate how the overall watershed is responding to the established BMPs and to generally evaluate water quality across the MS4. The current *Wet-Weather Monitoring Program* went into effect February 2025.

During the April 1, 2025 to March 31, 2026 reporting period, the Gadsden-Etowah MS4 entities will meet to discuss changes to the 2025 *Wet-Weather Monitoring Program*, including whether to continue the watershed approach or evaluate each MS4 separately. The current monitoring points are adequate for evaluating the watershed and the Gadsden-Etowah MS4 entities as a group; however, the existing points do not provide the density needed to evaluate each MS4 separately. If the steering committee were to elect to evaluate each MS4 independently, additional monitoring points would be required.

No changes to the current monitoring program are recommended at this time.

# 6.0 Narrative Report of Minimum Storm Water Control Measures

***Reference Part VI.B.3 and 4***

## 6.1 Public Education and Public Involvement on Storm Water Impacts

### *6.1.1 Implementation Status*

During the April 1, 2024 to March 31, 2025 reporting period, Rainbow City completed twelve (12) of the eighteen (18) Public Education and Public Involvement strategies identified in the previous Annual Report, the 2022 SWMPP, and the 2025 SWMPP.

The City did not complete one (1) strategy:

- The City did not promote Water Quality Awareness Week (Strategy 11).

The City partially completed five (5) strategies:

- The City maintained the storm water webpage, but no new educational materials were added (Strategy 1).
- The City provided hardcopy education materials at the library and at City Hall and created two social media posts. However, the City did not use the Rainbow City social media accounts to distribute storm water educational material every quarter (Strategy 2).
- The City sought public input by posting the 2023-2024 Annual Report on social media; however, an announcement regarding the availability of the Annual Report was not posted on the digital sign (Strategy 7).
- One City employee participated in the 2024 *Etowah County Water Festival*, but the City did not promote the festival (Strategy 12).
- The City maintained a public reporting system on the webpage, but did not promote it on the City's social media (Strategy 13).

The County also completed two additional strategies beyond those proposed in the previous Annual Report and the 2025 SWMPP.

- The City continued to support the Southside recycling program by removing and recycling cardboard collected in the new Southside recycling trailers (Strategy 19).
- The City coordinated and participated in a storm water educational activity for school aged children (Strategy 20).

A table identifying each Public Education and Public Involvement strategy planned for the 2024-2025 reporting period, a description of actions taken by the City of Rainbow City, and a description of activities planned for the next reporting period is provided at the end of this section. Supporting documentation is included in **Appendix D.**

### 6.1.2 *Proposed Activities for the April 1, 2025 to March 31, 2026 Reporting Period*

The City will implement the activities listed in the 2025 SWMPP and in Table 6-1 as part of their Public Education and Public Involvement Program during the 2025-2026 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

### 6.1.3 *Assessment of Controls*

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Education and Public Involvement Control Measure as outlined in the 2021 permit. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

### 6.1.4 *Proposed Changes*

The 2025 SWMPP currently requires the City to announce publication of the Annual Report and SWMPP on social media and on the City's digital sign. The sign is unlikely to succeed in motivating the general public to visit the stormwater webpage and download the documents, whereas social media allows for a simple link. The Rainbow City Facebook page currently has approximately 5,800 followers. The City intends to revise the SWMPP to remove the requirement to promote the annual report and SWMPP on the digital sign.

The City of Rainbow City requests no additional changes to the Public Education and Public Involvement strategies identified in the 2025 SWMPP.

### 6.1.5 *Responsible Parties*

The **Building Official** is responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts. The **Building Official** is also responsible for providing content for the Storm Water Management webpage and performing plan review regarding erosion, sediment, pollution control, drainage, and flood control.

**RecycleRBC** is responsible for managing recycling activities within the City.

The **City Clerk** is responsible for posting storm water materials on the City's social media accounts.

The **Street Department** is responsible for performing brush pickup and large item pickup.

# Rainbow City

## Table 6-1 Control Measure 1 - Public Education and Involvement

**See Section 5.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 1 | **Maintain the Storm Water Webpage:** Maintain the webpage and provide additional educational materials each reporting period. | **PARTIALLY COMPLETE**<br><br>The City maintained the stormwater management webpage.<br><br>No new educational material was added to the webpage during the reporting period.<br><br>517 views were recorded for the webpage. | The City will continue maintain and update the webpage to include information on storm water, household chemicals, impact of litter, water resources, illicit discharges, and community events related to storm water outreach. | A screenshot of the webpage and a screenshot of the views analytics page are attached.<br><br>(See Documents 1-1 and 1-2) | Webpage views increased during the 2024-2025 reporting period. 112 views were recorded the previous reporting period.<br><br>https://www.rbcalabama.com/stormwater-management/ | NO |
| 2 | **Distribute Storm Water Educational Material:** Distribute storm water messaging and educational materials using the Rainbow City social media accounts at least once per quarter. | **PARTIALLY COMPLETE**<br><br>35 packets of hardcopy materials were distributed at City Hall and the Library.<br><br>The City created two social media posts and provided links for National Water Quality Awareness Month on August 27, 2024 and August 31, 2024.<br><br>The City shared a link to the 2022-2023 Annual Report on July 11, 2024.<br><br>The City did not post educational or awareness messages on social media during 2024 Q2, 2024 Q4, or 2025 Q1. | The City will distribute storm water educational materials using the Rainbow City social media accounts at least once per quarter. | A tally of hardcopy educational materials distributed, copies of the materials, and photos of the hardcopy educational material placements are attached. Screenshots of the August social media posts are attached.<br><br>(See Documents 1-3, 1-4, 1-5, 1-6, and 1-13) | https://www.facebook.com/rbcalabama | NO |
| 3 | **Provide Information on Construction Site Storm Water Impacts:** Provide information on how construction site runoff can impact storm water quality to individuals requesting plan review and building/development permits. | 27 permits were issued | The City will continue to provide educational information on construction storm water impacts to individuals requesting plan review and building/development permits. | A copy of the hardcopy construction educational materials is attached.<br><br>(See Documents 1-7, 1-8, and 1-9) | | NO |
| 4 | **Provide Information on Low Impact/Green Development:** Provide information on green development to individuals requesting plan review and building/development permits. | 0 projects incorporated green infrastructure. | The City will provide educational information on green development to individuals requesting plan review and land disturbance permits. | A copy of the LID educational materials is attached.<br><br>(See Document 1-10) | | NO |

# Rainbow City

## Table 6-1 Control Measure 1 - Public Education and Involvement

**See Section 5.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 5 | **Plan Review and Permitting:** Review each application for a Land Disturbance Permit and the accompanying Sediment and Erosion Control Plan and Stormwater Management Plan. | 27 permits were issued<br>5 plans reviewed<br>5 plans approved<br>0 plans rejected<br>5 plans met ADEM requirements | The City will continue to educate engineers, developers, and contractors through plan review and permitting of new construction and redevelopment. | A copy of a completed Land Disturbance Permit application is attached.<br><br>(See Document 1-11) | | NO |
| 6 | **Annual Report and SWMPP Availability:** Provide the SWMPP and the current Annual Report on the Storm Water Management webpage. | The 2023-2024 Annual Report and 2025 SWMPP was added to the Storm Water Management webpage.<br><br>517 hits were recorded for the webpage. | The City will provide the SWMPP and the current Annual Report to the public through the City's website. | A screenshot of the webpage showing the Annual Report and SWMPP download buttons and a screenshot of the views analytics page are attached.<br><br>(See Documents 1-2 and 1-12) | | NO |
| 7 | **Seek Public Input:** Provide a link to the SWMPP and most recent Annual Report of the City's Facebook pages. Encourage stakeholders to provide comments or questions regarding the implementation of the SWMPP. | **PARTIALLY COMPLETE**<br><br>0 comments received<br><br>The 2023-2024 Annual Report and 2025 SWMPP was added to the Storm Water Management webpage.<br><br>A link to the Annual Report was added to the City's social media page.<br><br>An announcement regarding the availability of the Annual Report was not posted on the digital sign. | The City will post a link to the Annual Report on the City's social media accounts to actively seek comments, questions, and concerns from stakeholders. The City will also post an announcement on the digital sign. The City will consider and respond to received comments as needed. | A screenshot of the social media post showing the link to the Annual Report is attached.<br><br>(See Document 1-13) | The City itends to revise the 2025 SWMPP to remove the requirement to post an announcement on the digital sign when the Annual Report or SWMPPs are published.<br><br>https://www.facebook.com/rbcalabama | **YES** |
| 8 | **Gadsden-Etowah MS4 Steering Committee Meetings:** Coordinate and/or participate in meetings of the Gadsden-Etowah Storm Water Steering Committee. | Joel Garmon attended the Steering Committee Meeting held **January 9, 2025**. | The City will continue to participate in meetings of the Gadsden-Etowah Storm Water Steering Committee at least once per reporting period. | The attendance record for the meeting is attached.<br><br>(See Document 1-14) | | NO |
| 9 | **Alabama Stormwater Association Participation:** City personnel will participate in meetings, seminars, or other events held by the Alabama Stormwater Association. | One City employee participated in the Clear Water Alabama Seminar held on **September 25-26, 2024**. | When possible, City personnel will participate in meeting, seminars, or other events held by the Alabama Stormwater Association. | Copies of the attendance certificates are attached.<br><br>(See Document 1-15) | | NO |

# Rainbow City

## Table 6-1 Control Measure 1 - Public Education and Involvement

**See Section 5.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 10 | **Promote Storm Water Events Via Social Media:** Utilize the City of Rainbow City social media accounts to promote storm water events. | The City cleanup event held May 4, 2024 was advertised on the City's Facebook page in posts dated April 26, 2024, April 29, 2024, and May 2, 2024.<br><br>National Water Quality Month (August) was advertised on the City's Facebook page in posts dated August 27 and 31, 2024. | The City will utilize the Rainbow City social media accounts to promote storm water events. | Screenshots of the Facebook posts are attached.<br><br>(See Documents 1-6 and 1-16) | | NO |
| 11 | **Promote Water Quality Awareness Week:** Promote an annual *Water Quality Awareness Week* through City resources. | **INCOMPLETE**<br><br>The City did not promote Water Quality Awareness Week in May 2024. | The City will designate and promote the first week of May annually as Water Quality Awareness Week. | | The City promoted National Water Quality Month in August 2024. | NO |
| 12 | **Promote and participate in the Etowah County Water Festival:** Promote and participate in the annual *Etowah County Water Festival* . | **PARTIALLY COMPLETE**<br><br>The 2025 Etowah County Water Festival was held **February 24, 2025**.<br><br>The City did not promote the festival.<br><br>1 City employee participated in the festival. | The City will promote the 2026 *Etowah County Water Festival* through City resources.<br><br>City personnel will participate in the festival. | Photos from the event are attached.<br><br>(See Document 1-19) | | NO |
| 13 | **Public Reporting System:** Provide a reporting number and form for reporting non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances related to storm water pollution. Promote the reporting number on the City's social media accounts at least once per year. Evaluate the efficacy of the program. | **PARTIALLY COMPLETE**<br><br>The City maintained the public reporting form on the website.<br><br>The reporting method was not promoted on social media.<br><br>0 complaints received<br>0 complaints addressed<br>0 complaints resolved<br><br>The reporting program was reviewed and no changes are recommended at this time. | The City will provide a contact number on the City's webpages for the public to report non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances related to storm water pollution, and will publicize this number once a year on the City's social media accounts. The City will utilize a complaint form to track the reports and follow up when necessary. The reporting program will be evaluated annually. | A screenshot of the webpage with the download link for the reporting form and a blank copy of the report form are attached.<br><br>(See Documents 1-12 and 1-20) | The number of received complaints decreased during the reporting period. 1 complaint was recorded during the previous reporting period. | NO |

# Rainbow City

## Table 6-1 Control Measure 1 - Public Education and Involvement

**See Section 5.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 14 | **Coordinate and Promote an Annual Community Cleanup Day:** Coordinate a community cleanup day annually. | A Community Cleanup Day was held on **May 4, 2024**.<br><br>The May City cleanup event was advertised on the City's Facebook page in posts dated April 26, 2024, April 29, 2024, and May 2, 2024. The event was also promoted with signs, banners, and on the City's digital sign.<br><br>Approximately 40 volunteers participated in the cleanup day. | The City will continue to coordinate a community cleanup day annually. Collected debris will be disposed of at a permitted landfill. | Screenshots of the Facebook posts and photos of the signs, banners, and digital sign are attached.<br><br>(See Documents 1-16, 1-17, and 1-18) | | NO |
| 15 | **Promote and Participate in Anti-Litter/Cleanup Events:** Partner with Keep Etowah Beautiful, Clean Water Partnership of Alabama, and/or Alabama Power to support, sponsor, and/or promote anti-litter and cleanup events. | The City partnered with Keep Etowah Beautiful to plan and support a Renew Our Rivers cleanup event for **September 26, 2024.**<br><br>Due to weather, KEB canceled the September event. 0 city employees participated.<br><br>Instead, 1 City employee collected 1 large bag of trash at Rainbow Landing on **October 4, 2024**. | The City will partner with Keep Etowah Beautiful, Clean Water Partnership of Alabama, and/or Alabama Power to support, sponsor, and/or promote events such as Renew our Rivers, Message in a Bottle, and/or community cleanup days. | Copies of the Renew Our Rivers planning agenda and attendance record, the cancellation email, and photos from the Rainbow Landing cleanup are attached.<br><br>(See Documents 1-21, 1-22, and 1-23) | | NO |
| 16 | **Brush and Large Item Pickup:** Provide brush pickup on a monthly basis. | The City performed monthly pickups of brush and bulk items.<br><br>Approximately 1855 tons of debris were collected. | The City will continue to perform brush and large item pickup throughout the year on a monthly basis and dispose of collected debris at a permitted landfill. | An example invoice from Noble Hill Landfill for trash disposal, including large item pickup, the email of total tons collected, and the map of the pickup schedule are attached.<br><br>(See Documents 1-24, 1-25, and 1-26) | | NO |
| 17 | **Recycling Center:** Provide recycling locations for residents and local businesses. | The City maintained recycling drop-off points at the Community Center and Fire Station 2.<br><br>339 tons of materials were collected. | The City will continue to manage two drop-off recycling locations and distribute bins to local businesses. | The 2024-2025 recycling receipt and photos of the recycling trailers are attached.<br><br>(See Documents 1-27 and 1-28) | More recycling was collected during the 2024-2025 reporting period, compared to 254 tons of material collected during the previous reporting period. | NO |

# Rainbow City

## Table 6-1 Control Measure 1 - Public Education and Involvement

**See Section 5.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 18 | **Program Evaluation:** Utilize collected information to evaluate the effectiveness of the Public Education and Involvement Program. | The Public Education and Involvement Program was evaluated and no changes were deemed necessary. | The City will utilize collected information to evaluate the effectiveness of the public education/public involvement program and to determine changes that may need to be made. | | | NO |
| 19 | **Additional Strategy:** The City entered into an agreement with the City of Southside to support the Southside cardboard recycling program. | Rainbow City personnel removed and recycled cardboard collected using the Southside recycling trailers. | The City will continue to support the City of Southside in their recycling efforts if needed. | A screenshots of Facebook posts by the City of Southside are attached.<br><br>(See Document 1-29) | The City of Southside received an ADEM grant allowing them to purchase their own bailer. Therefore, cardboard will no long need to be transported to Rainbow City. | NO |
| 20 | **Additional Strategy:** Coordinate and/or participate in education activities for school aged children. | Rainbow City personnel conducted a water cycle demonstration and discussed ways to improve/maintain water quality at a middle school afterschool program on **September 5, 2024**.<br><br>Approximately 14 6th through 8th graders were in attendance. | The City will continue to conduct, promote, and participate in stormwater education activities for school aged children. | Photos of the water cycle lesson are attached.<br><br>(See Document 1-30) | | NO |

## 6.2 Illicit Discharge Detection and Elimination

### *6.2.1 Implementation Status*

During the April 1, 2024 to March 31, 2025 reporting period, Rainbow City completed seventeen (17) of the nineteen (19) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report, the 2022 SWMPP, and the 2025 SWMPP.

The City did not complete one (1) strategy:

- The City did not use the Rainbow City social media accounts to distribute storm water educational highlighting identification and reporting of potential illicit discharges (Strategy 15).

The City partially completed one (1) strategy:

- The City maintained a system for the public to report illicit discharges, but did not promote it on the City's social media (Strategy 16).

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2024-2025 reporting period, a description of actions taken by the City of Rainbow City, and a description of activities planned for the next reporting period is provided at the end of this section. Supporting documentation is included in **Appendix E**.

### *6.2.2 Proposed Activities for the April 1, 2025 to March 31, 2026 Reporting Period*

The City will implement the activities listed in the 2025 SWMPP and in Table 6-2 as part of their Illicit Discharge Detection and Elimination Program during the 2025-2026 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

### *6.2.3 Assessment of Control*

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure as outlined in the 2021 permit. The strategies are adequate to prevent or correct illicit discharges to the Rainbow City MS4.

### *6.2.4 Proposed Changes*

The City of Rainbow City requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2025 SWMPP.

### *6.2.5 Responsible Parties*

The **Building Official** is responsible for overseeing, developing, and coordinating the IDDE program in the Rainbow City regulated MS4 area.

The **City Clerk** is responsible for posting storm water materials on the City's social media accounts.

Other City departments, including the **Public Works Department**, the **Parks and Recreation Department**, the **Building Department**, the **Fire Department**, and the **Police Department**, will report illicit discharges observed during the course of their normal duties. Reports of observed or suspected illicit discharges will be made to the Building Official.

The **Utilities Board of Rainbow City** is responsible for corrective actions regarding Sanitary Sewer Overflows.

The **Fire Department** is responsible for corrective actions regarding hazardous spill response and for reporting spills over 25 gallons to ADEM.

The **Building Department** is responsible for code enforcement involving illegal dumping.

# Rainbow City

## Table 6-2 Control Measure 2 - Illicit Discharge Detection and Elimination

**See Section 6.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 1 | **IDDE Ordinance:**<br>Ordinance No. 490 regulates Illicit Discharge enforcement<br><br>Evaluate the effectiveness of the Ordinance each reporting period | 0 complaints received<br>0 illicit discharges identified<br>0 violations resolved<br><br>The City evaluated the ordinance and determined that no changes are necessary at this time. | The City will evaluate the effectiveness of Ordinance Number 490 and update it as needed. | A copy of Ordinance No. 490 was included in Appendix E of the 2025 SWMPP.<br><br>A screenshot of the webpage with the download link for the complaint reporting form and a blank copy of the report form are attached.<br><br>(See Documents 1-12 and 1-20) | | NO |
| 2 | **MS4 Map:**<br>Maintain and update the MS4 Map showing known outfalls from the Rainbow City MS4. | 0 verified new outfalls<br><br>15 outfalls removed<br><br>215 outfalls total | The City will maintain the map of the Rainbow City MS4 area with known outfalls, priority areas, the waters of the State that receive discharges from the outfalls, and structural BMPs owned, operated, and/or maintained by the City. | The current MS4 map and outfall inventory are attached.<br><br>(See Documents 2-1 and 2-2) | Outfalls Z1-033, Z1-043, Z1-071, Z1-085, Z1-086, Z1-087, Z1-089, Z1,090, Z1-102, Z1-105, Z1-107, Z1-123, Z1-134, Z1-135, and Z2-015 were no longer present and removed from the outfall inventory. | NO |
| 3 | **Identify Priority Areas:**<br>Identify which drainage basins are considered Priority Areas for each reporting period. | 3 drainage basins were identified and IDP Assessment was performed on each basin.<br><br>2 Priority Areas were identified. Drainage basins 1 and 2 had the highest IDP scores. | The City will identify which drainage basins are considered Priority Areas for each reporting period and provide an updated map with the new priority areas. | A map of the delineated drainage basins, a table showing the calculated IDP scores, and copies of the IDP worksheets for each basin are attached.<br><br>(See Documents 2-3 and 2-4) | | NO |
| 4 | **Outfall Reconnaissance Inventory for New MS4 Areas:**<br>Implement a stream-walking program designed to identify outfalls to the MS4 within the newly-added MS4 areas. | No areas were added to the Rainbow City MS4 during the reporting period. | Should the City limits or Urbanized Area boundary change, the City will implement a stream-walking program designed to identify outfalls to the MS4 within the newly-added MS4 areas. | The current MS4 map is attached.<br><br>(See Document 2-1) | Updated urban area boundaries were provided by the Census Bureau, but ADEM has not issued revised MS4 boundaries. | NO |
| 5 | **Outfall Reconnaissance Inventory for Previously Unidentified Outfalls:**<br>Identify, inspect, and screen previously unknows outfalls at time of discovery. Add the outfalls to the MS4 outfall inventory and map. | 0 verified new outfalls<br><br>15 outfalls removed<br><br>215 outfalls total | Previously unknown outfalls encountered during dry-weather inspections of known outfalls will be identified, inspected, and screened at the time of discovery.<br><br>Outfalls encountered during other field observations will be reported to the Building Inspector to be added to the outfall database for verification and inspection. | The current MS4 map and outfall inventory are attached.<br><br>(See Documents 2-1 and 2-2) | Outfalls Z1-033, Z1-043, Z1-071, Z1-085, Z1-086, Z1-087, Z1-089, Z1,090, Z1-102, Z1-105, Z1-107, Z1-123, Z1-134, Z1-135, and Z2-015 were no longer present and removed from the outfall inventory. | NO |

# Rainbow City

## Table 6-2 Control Measure 2 - Illicit Discharge Detection and Elimination

**See Section 6.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 6 | **Verification of Potential Outfalls Identified During Plan Review:** Verify outfalls identified during review of as-built drawings. | 1 as-built drawing reviewed<br><br>0 new outfalls identified from as-built drawings. | Outfalls identified during review of the as-built drawings or from the final inspection will be added to the outfall inventory and map as "Potential Outfalls" and will be inspected during the scheduled outfall inspection activities. | The reviewed as-built drawing is attached.<br><br>(See Document 2-5) | | NO |
| 7 | **Dry Weather Screening Program:** Conduct dry weather ORI inspections on a minimum of 15% of all known outfalls during each reporting period. | 92 outfalls inspected (40%)<br><br>0 new outfalls identified | The City will continue to implement and conduct dry weather ORI inspections on a minimum of 15% of all known outfalls during each reporting period, with priority outfalls being inspected at least once every three years and all outfalls being inspected in the 5-year permit cycle. | Maps showing the outfalls inspected during the reporting period, the table of inspectied outfalls, and an example outfall inspection field sheet are attached.<br><br>(See Documents 2-6, 2-7, and 2-8) | | NO |
| 8 | **Suspect Discharge Screening:** Screen dry-weather flows that are observed at an outfall during inspection. | 1 dry weather flow<br><br>0 suspect discharges determined | The City will continue to screen dry-weather flows observed during outfall inspections as detailed in Section 8.9 of the IDDE Program. | An example outfall inspection report with screening is attached.<br><br>(See Document 2-9) | Outfall Z1-100 | NO |
| 9 | **Suspect Discharge Sampling:** Sample dry weather flows during observation for flows that have a severity index of 3 on one or more indicators in Section 4 of the ORI Field Sheet. | 1 dry weather flow<br><br>0 suspect discharge determined<br><br>0 samples collected<br><br>0 confirmed illicit discharges | The City will collect samples of suspect discharges for further analysis as detailed in Section 8.10 of the IDDE Program. | An example outfall inspection report with screening is attached.<br><br>(See Document 2-9) | Outfall Z1-100 | NO |
| 10 | **Outfall Ranking:** Analyze data from to designate outfalls as having obvious, suspect, possible, or unlikely discharge potential. | 0 obvious illicit discharges<br><br>0 suspect illicit discharges | The City will analyze data from each Outfall Reconnaissance Inventory Field Sheet to designate the observed outfall as having obvious, suspect, possible, or unlikely discharge potential. | A summary table showing outfall rankings is attached.<br><br>(See Document 2-2) | | NO |
| 11 | **Track the Locations of Illicit Discharge Complaints:** Maintain the City's GIS database to record locations of storm water complaints. | 0 complaints received | The City will record the locations of reported illicit discharges in the City's GIS database to help identify area where additional BMPs may be required. | | | NO |

# Rainbow City

## Table 6-2 Control Measure 2 - Illicit Discharge Detection and Elimination

See Section 6.0 of the 2025 SWMPP

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 12 | **Illicit Discharge Investigation:** Perform illicit discharge investigations to determine the source of a discharge problem and the responsible party. | 0 illicit discharge investigations<br><br>0 illicit discharges confirmed | The City will perform illicit discharge investigations to determine the source of a discharge problem and the responsible party. | | | NO |
| 13 | **Corrective Action Record Keeping:** Create a case log detailing pertinent information when a suspect illicit discharge or illicit connection is identified. | 0 illicit discharges confirmed<br><br>0 illicit discharges eliminated<br><br>0 illicit discharge corrective action pending | When a suspect illicit discharge or illicit connection is identified, a case log detailing pertinent information will be created to document information related to the resolution of the illicit discharge. | | | NO |
| 14 | **Illicit Discharge Elimination:** Report identified illicit discharges to the appropriate City department or agency for corrective action. | 0 illicit discharge referred to other agencies<br><br>0 illicit discharges eliminated | The City will report identified illicit discharges to the appropriate city department for corrective actions. | | | NO |
| 15 | **Distribute Storm Water Educational Material via Social Media:** Provide educational materials highlighting identification and reporting of potential illicit discharges on the City's Facebook page at least once per year. | **INCOMPLETE**<br><br>0 social media posts on identification or reporting illicit discharges were created | The City will provide educational materials highlighting identification and reporting of potential illicit discharges on the City's Facebook page or other social media account at least once during each reporting period. | | | NO |
| 16 | **Public Reporting System:** Provide a reporting number and form for reporting non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances related to storm water pollution. Promote the reporting number on the City's social media accounts at least once per year. Evaluate the efficacy of the program. | **PARTIALLY COMPLETE**<br><br>The City maintained the public reporting form on the website.<br><br>The reporting method was not promoted on social media.<br><br>0 complaints received<br>0 complaints addressed<br>0 complaints resolved<br><br>The reporting program was reviewed and no changes are recommended at this time. | The City will provide a contact number on the City's webpages for the public to report non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances related to storm water pollution, and will publicize this number once a year on the City's social media accounts. The City will utilize a complaint form to track the reports and follow up when necessary and evaluate these methods annually. | A screenshot of the webpage with the download link for the reporting form and a blank copy of the report form are attached.<br><br>(See Documents 1-12 and 1-20) | The number of received complaints decreased during the reporting period. 1 complaint was recorded during the previous reporting period. | NO |

# Rainbow City

## Table 6-2 Control Measure 2 - Illicit Discharge Detection and Elimination

**See Section 6.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 17 | **Annual Municipal IDDE Training:** Train Municipal Employees in the identification of illicit discharges annually. | S&ME addressed illicit discharge identification in the Annual Training conducted on **March 18, 2025**.<br><br>6 City employees attended training. | The City will train personnel on the identification of illicit discharges and procedures for reporting illicit discharges within the City organization. | Copies of the sign-in sheet and the training materials are attached.<br><br>(See Documents 2-10 and 2-11) | | NO |
| 18 | **Notify ADEM of Illicit Discharges from an Adjacent MS4:** Notify the appropriate MS4 and the ADEM Water Division within 48 hours of observation of a suspect illicit discharge from an adjacent MS4. | 0 suspect illicit discharges reported to an adjacent MS4 and/or ADEM | Should the City identify a suspect illicit discharge originating within a neighboring MS4, the City will notify the appropriate MS4 and the ADEM Water Division within 48 hours. | | | NO |
| 19 | **Notify ADEM of Unpermitted Industrial Sites:** Report unpermitted facilities that require an NPDES permit to the Industrial Section of ADEM. | 0 unpermitted facilities reported to ADEM | Unpermitted facilities will be reported to the Industrial Permits Section of ADEM. | | | NO |

## 6.3 Construction Site Storm Water Runoff

### *6.3.1 Implementation Status*

During the April 1, 2024 to March 31, 2025 reporting period, the City of Rainbow City completed fifteen (15) of the sixteen (16) Construction Site Storm Water Runoff strategies identified in the previous Annual Report, the 2022 SWMPP, and the 2025 SWMPP.

The City partially completed one (1) strategy:

- The City maintained a system for the public to report noncompliant construction sites, but did not promote it on the City's social media (Strategy 9).

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2024-2025 reporting period, a description of actions taken by the City of Rainbow City, and a description of activities planned for the next reporting period are provided at the end of this section. Supporting documentation is included in **Appendix F**.

### *6.3.2 Proposed Activities for the April 1, 2025 to March 31, 2026 Reporting Period*

The City will implement the activities listed in the 2025 SWMPP and in Table 6-3 as part of their Construction Site Storm Water Runoff Control Measure during the 2025-2026 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

### *6.3.3 Assessment of Controls*

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure as outlined in the 2021 permit. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

### *6.3.4 Proposed Changes*

The City of Rainbow City requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2025 SWMPP.

### *6.3.5 Responsible Party*

The **Building Department** is responsible for implementing the Construction Site Storm Water Runoff Control Program.

# Rainbow City

## Table 6-3 Control Measure 3 - Construction Site Storm Water Runoff

**See Section 7.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 1 | **Erosion and Sediment Control Ordinance:**<br>The City's Ordinance 490 dated December 10, 2012 regulates storm water management within the City<br><br>Evaluate the effectiveness of the Ordinance each reporting period | 220 inspections completed<br>0 non-compliant construction site<br>0 enforcement actions<br>0 non-compliant sites reported to ADEM<br>0 repeat offenders<br><br>The ordinance appears effective. No changes required at this time. | The City will evaluate Ordinance 490 annually based on its effectiveness in addressing erosion and sediment control. | A copy of Ordinance No. 490 was included in Appendix E of the 2025 SWMPP.<br><br>An example construction site inspection report is attached.<br><br>(See Document Set 3-1) | | NO |
| 2 | **BMP Training Program:**<br>Conduct annual training for city personnel tasked with plan review. Certify city personnel tasked with conducting BMP Inspections. | 1 employee attended annual plan review training<br><br>1 employee received QCI training | The City personnel tasked with plan review will undergo annual training for on-site control measures. City personnel tasked with conducting BMP inspections will be certified under an ADEM approved Qualified Credential Inspector training program and will attend annual refreshers. | The QCI certificate is attached.<br><br>(See Document 3-2) | | NO |
| 3 | **Require Plan Submittal:**<br>Require submission of a Sediment and Erosion Control Plan and Storm Water Management Plan with a building permit application to the City for review. | 5 plans reviewed<br>5 plans approved<br>0 plans rejected<br>5 plans met ADEM requirements | The City will continue to require the submittal of a BMP Plan with the land disturbance permit application. | A copy of a completed Land Disturbance Permit application is attached.<br><br>(See Document 1-11) | | NO |
| 4 | **Sediment and Erosion Control Plan Review Procedures:**<br>Review the submitted Sediment and Erosion Control Plans within 30 days of receiving the plans. | 5 plans reviewed<br>5 plans approved<br>0 plans rejected<br>5 plans met ADEM requirements | The City will review plans submitted with land disturbance permit applications and will inform the applicant whether their permit is approved or denied and the conditions of the decision within 30 days of receiving the application. | A copy of the plan review checklist is attached.<br><br>(See Document 3-3) | | NO |
| 5 | **Maintain Inventory of Qualifying Construction Sites:**<br>Maintain a list of active qualifying construction sites within the MS4 boundary. | 22 NPDES construction sites<br><br>18 NPDES construction sites within MS4<br><br>16 active qualifying sites | The City will continue to maintain a list of all active qualifying construction sites within the MS4 boundary. | The current inventories of NPDES-permitted construction sites within the MS4 boundary is attached.<br><br>(See Documents 3-4 and 3-5) | | NO |

# Rainbow City

## Table 6-3 Control Measure 3 - Construction Site Storm Water Runoff

**See Section 7.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 6 | **Inspection of Qualifying Non-Priority Sites:**<br>Inspect qualifying construction sites using the BMP Inspection Form every three months until permit termination. | 220 inspections completed<br>0 non-compliant construction site<br>0 enforcement actions<br>0 non-compliant sites reported to ADEM<br>0 repeat offenders | The City will continue to perform BMP inspections at least once every three months at qualifying construction sites. | An example construction site inspection report is attached.<br><br>(See Document 3-1) | The City performed monthly inspections of active construction sites, including sites that did not require an NPDES permit. | NO |
| 7 | **Inspection of Priority Construction Sites:**<br>If a site is a Priority Site inspect the site once a month using the BMP Inspection Form until permit termination. | 0 priority construction sites located within the MS4 | Should a Priority watershed be designated, the City will identify and inspect qualifying Priority construction sites once per month. | | The Rainbow City MS4 does not currently incorporate any waterbodies or watersheds that are impaired for siltation or turbidity. | NO |
| 8 | **Re-inspection of Sites:**<br>Re-inspect sites where deficiencies are noted and cannot be corrected during inspection. Use the BMP Inspection Form to complete re-inspections. | 0 sites were re-inspected for deficiencies | The City will conduct re-inspections on sites that had noted deficiencies during routine inspection that could not be corrected at the time of the inspection. | An example construction site inspection report is attached.<br><br>(See Document 3-1) | | NO |
| 9 | **Public Reporting System:**<br>Provide a reporting number and form for reporting non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances related to storm water pollution. Promote the reporting number on the City's social media accounts at least once per year. Evaluate the efficacy of the program. | **PARTIALLY COMPLETE**<br><br>The City maintained the public reporting form on the website.<br><br>The reporting method was not promoted on social media.<br><br>0 complaints received<br>0 complaints addressed<br>0 complaints resolved<br><br>The reporting program was reviewed and no changes are recommended at this time. | The City will provide a contact number on the City's webpages for the public to report non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances related to storm water pollution, and will publicize this number once a year on the City's social media accounts. The City will utilize a complaint form to track the reports and follow up when necessary and evaluate these methods annually. | A screenshot of the webpage with the download link for the reporting form and a blank copy of the report form are attached.<br><br>(See Documents 1-12 and 1-20) | The number of received complaints decreased during the reporting period. 1 complaint was recorded during the previous reporting period. | NO |
| 10 | **Written Notice:**<br>Provide a written notice to the property owner or permit holder if a violation of Stormwater Management Regulations or Land Disturbance Permit occurs. | 0 written notices issued by email | The City will provide a written notice to the property owner or permit holder of any sites violating the Storm Water Management Regulations or the Land Disturbance Permit. | | | NO |

# Rainbow City

## Table 6-3 Control Measure 3 - Construction Site Storm Water Runoff

**See Section 7.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 11 | **Consent Order:** Consent orders, assurances of voluntary compliance, or other similar documents establishing an agreement to require specific corrective actions are authorized. | 0 Consent Orders issued | The City will keep records of any Consent Orders, assurances of voluntary compliance, or other similar documents establishing an agreement to require specific corrective actions issued to noncompliant construction sites during the reporting period. | | | NO |
| 12 | **Compliance Order:** Issue a compliance order in the event a construction site continues to violate the terms of the permit if a Written Notice is not followed. | 0 Compliance Orders issued | The City will keep records of any Compliance Orders issued to noncompliant construction sites during the reporting period. | | | NO |
| 13 | **Cease and Desist Order:** Issue a cease and desist order to the owner or operator of a noncompliant construction site if necessary. | 0 Cease and Desist Orders issued | The City will keep records of any Cease and Desist Orders issued to the owner or operator of a noncompliant construction site. | | | NO |
| 14 | **Enforcement Tracking:** Maintain information regarding enforcement actions. Report the number of enforcement actions taken during the reporting period. | 0 enforcement actions undertaken | The City will maintain the name of the owner/operator, the location of the construction project, the description of the violation, the required schedule for returning to compliance, and the description of enforcement response used regarding noncompliant construction sites. | | | NO |
| 15 | **Notify ADEM of Unpermitted Sites:** Notify ADEM of any construction site that is not permitted under to Alabama Construction General Permit. | 0 unpermitted sites reported to ADEM | The City will notify ADEM of any qualifying construction site that is not permitted under the Alabama Construction General Permit. | | | NO |
| 16 | **Notify ADEM of Non-Compliant Sites:** Notify ADEM of non-compliant sites where the City's enforcement actions did not result in compliance. | 0 non-compliant sites reported to ADEM | The City will report noncompliant sites where enforcement actions did not result in compliance. | | | NO |

## 6.4 Post-Construction Storm Water Management in New Development and Redevelopment

### *6.4.1 Implementation Status*

During the April 1, 2024 to March 31, 2025 reporting period, the City of Rainbow City completed twelve (12) of the twelve (12) Post-Construction Storm Water Management strategies identified in the previous Annual Report, the 2022 SWMPP, and the 2025 SWMPP.

A table identifying each Post-Construction Storm Water Management strategy planned for the 2024-2025 reporting period, a description of actions taken by the City of Rainbow City, and a description of activities planned for the next reporting period is provided at the end of this section. Supporting documentation is included in **Appendix G**.

### *6.4.2 Proposed Activities for the April 1, 2025 to March 31, 2026 Reporting Period*

The City will implement the activities listed in the 2025 SWMPP and in Table 6-4 as part of their Post-construction Storm Water Management Control Measure during the 2025-2026 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

### *6.4.3 Assessment of Control*

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-construction Storm Water Management Control Measure as outlined in the 2021 permit. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

### *6.4.4 Proposed Changes*

The City of Rainbow City requests no changes to the Post-construction Storm Water management strategies identified in the 2025 SWMPP.

### *6.4.5 Responsible Party*

The **Building Department** is responsible for establishing design criteria for post-construction BMPs, evaluating the storm water ordinance, reviewing submitted Stormwater Management Plans, performing inspections of City-owned post-construction BMPs, and enforcing the provisions of the storm water ordinance.

# Rainbow City

## Table 6-4 Control Measure 4 - Post-Construction Storm Water Management

**See Section 8.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 1 | **Post Construction Stormwater Management Ordinance:** Section 7 of Ordinance No. 490 provides for post-construction storm water management measures to reduce runoff volume<br><br>Evaluate the effectiveness of the Ordinance each reporting period | 5 plans reviewed<br>5 plans approved<br>0 plans rejected<br><br>No changes to the Post-Construction program are proposed at this time. | The City will evaluate Ordinance 490 annually on its effectiveness in reducing storm water pollution from new development or redevelopment. | A copy of Ordinance No. 490 was included in Appendix E of the 2025 SWMPP. | | NO |
| 2 | **Encourage Low-Impact Development/Green Infrastructure Practices:** Provide information on green development to individuals requesting plan review and building/development permits. | 0 plans incorporated LID design | The City will provide educational information on green development to individuals requesting plan review and building/development permits. The City will also encourage developers and engineers to consider green infrastructure alternatives during the pre-design conference. | A copy of the LID educational materials is attached.<br><br>(See Document 1-10) | | NO |
| 3 | **Evaluate Obstacles to Low Impact/Green Development:** Review and evaluate policies and ordinances to identify regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques. | 5 plans reviewed<br>5 plans approved<br>0 plans rejected<br><br>0 plans incorporated LID design<br><br>0 obstacles to Low Impact/Green Development were identified | The City will review and evaluate policies and ordinances related to building codes or other local regulations with the goal of identifying regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques. | | | NO |
| 4 | **Require Plan Submittal:** Require a submission of a plan showing post-construction strategies with the application for a Land Disturbance Permit. | 5 plans reviewed<br><br>2 plans included post-construction strategies<br><br>5 plans approved<br><br>0 plans rejected | The City will continue to require the submittal of a plan showing post-construction storm water management strategies with the application for a Land Disturbance Permit. | A copy of a completed Land Disturbance Permit application is attached.<br><br>(See Document 1-11) | | NO |
| 5 | **Plan Review Procedures:** Review each application for a Land Disturbance Permit and the accompanying Sediment and Erosion Control Plan and Stormwater Management Plan. | 5 plan reviews conducted<br><br>0 additional metrics were deemed necessary | The City will review will review post-construction measures included the plans submitted by the applicant prior to approval or denial of the Land Disturbance Permit.<br><br>The City will evaluate the plan review criteria to determine if additional metrics are necessary. | A copy of the plan review checklist is attached.<br><br>(See Document 3-3) | | NO |

# Rainbow City

## Table 6-4 Control Measure 4 - Post-Construction Storm Water Management

**See Section 8.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 6 | **Require As-Built Certification:** Require As-Built Plans be provided to the Building Department after construction is complete. The plans are to include the final design specifications for all storm water management facilities. | 1 as-built drawing was submitted | The City will continue to require that as-built drawings be provided to the City after final construction of the storm water control is completed. | The reviewed as-built drawing is attached.<br><br>(See Document 2-5) | | NO |
| 7 | **Post-Installation Inspections:** Conduct an inspection of post-construction BMPs for compliance with the approved plans prior to issuance of a Certificate of Occupancy. | 2 post-construction BMPs completed<br><br>2 final inspections conducted | The City will conduct inspections following the completion of the BMP to ensure that post-construction BMPs are installed in accordance with the reviewed and approved plans prior to issuance of a Certificate of Occupancy. | Copies of the final inspections of the new post-construction controls are attached.<br><br>(See Documents 4-1 and 4-2) | Bedwell Station (607 West Grand Ave)<br><br>Dunkin Donuts | NO |
| 8 | **Require Long-Term Maintenance On Storm Water Controls:** Evaluate Section 7 of the Rainbow City Ordinance No. 490 each reporting period for efficacy.<br><br>The City will require that the owner of a property served by an on-site storm water management facility execute an inspection and maintenance agreement. | 0 maintenance agreements submitted<br><br>0 maintenance provisions approved<br><br>0 maintenance provisionss denied<br><br>0 enforcement actions | The City will require that the owner of a property served by an on-site storm water management facility execute an inspection and maintenance agreement. | A blank maintenance agreement is attached.<br><br>(See Document 4-3) | | NO |
| 9 | **Inventory of Post-Construction Structural Controls:** Compile an inventory of post-construction structural controls located within the Rainbow City MS4. Update the inventory annually. | 5 new structural BMPs added to inventory<br><br>32 total structural BMPs | The City will compile an inventory of post-construction structural controls located within the Rainbow City MS4. The inventory will be updated annually. | The inventory of structural BMPs and a map which includes tables listing structural controls is attached.<br><br>(See Documents 4-4 and 4-5) | 1. Barones Pizza & Arcade<br>2. Smart Moves Storage<br>3. Wyatt Lee Meadows<br>4. Apartments on Hollingsworth<br>5. Johnson's Giant Foods HQ | NO |
| 10 | **Annual Inspection of Post-Construction Storm Water Controls:** Inspect post-construction BMPs within the MS4 a minimum of once per year. | 34 annual inspections performed | The City will inspect City-owned or managed post-construction BMPs within the Rainbow City MS4 at a minimum of once per year. | An example inspection report is attached.<br><br>(See Document 4-6) | | NO |

# Rainbow City

## Table 6-4 Control Measure 4 - Post-Construction Storm Water Management

**See Section 8.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2024-2025 IMPLEMENTATION STATUS | 2025-2026 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS / CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 11 | **Corrective Actions for Post-Construction Controls:** Perform or require maintenance or repairs if an inspection identifies a maintenance issue. | 0 corrective actions required | The City will perform necessary maintenance or repairs to any city-owned post-construction controls identified as a maintenance issue. | | | NO |
| 12 | **Procedures to Address Non-Compliant Post-Construction BMPs:** Maintain records of escalating enforcement actions of non-compliant post-construction BMPs. | 0 written notices issued | The City will maintain records of enforcement actions regarding post-construction controls during the reporting period. | | | NO |

## 6.5 Pollution Prevention and Good Housekeeping for Municipal Operations

### *6.5.1 Implementation Status*

During the April 1, 2024 to March 31, 2025 reporting period, the City of Rainbow City completed twelve (12) of the thirteen (13) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report, the 2022 SWMPP, and the 2025 SWMPP.

The City did not complete one (1) strategy:

- The City operated one fueling area, but did not develop a written Standard Operating Procedure for municipal vehicle fueling operations by March 31, 2025 (Strategy 9).

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2024-2025 reporting period, a description of actions taken by the City of Rainbow City, and a description of activities planned for the next reporting period is provided at the end of this section. Supporting documentation is included in **Appendix H**.

### *6.5.2 Proposed Activities for the April 1, 2024 to March 31, 2025 Reporting Period*

The City will implement the activities listed in the 2025 SWMPP and in Table 6-5 as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure during the 2025-2026 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

### *6.5.3 Assessment of Control*

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure as outlined in the 2021 permit. The strategies are adequate to address storm water pollution prevention from municipal operations.

### *6.5.4 Proposed Changes*

The City does not store or use pesticides, herbicides, or fertilizers (PHF); therefore, the City intends to revise the 2025 SWMPP to remove the requirement to prepare an SOP for PHF management.

The City does not currently stockpile materials such as soil or gravel; therefore, the City intends to revise the 2025 SWMPP to remove the requirement to prepare an SOP for material storage operations.

The City of Rainbow City requests no additional changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2025 SWMPP.

### *6.5.5 Responsible Parties*

The **Building Department** is responsible for conducting the municipal facility evaluations and maintaining records of the facility inspections. The Building Department is also responsible for coordinating the annual reviews of the SOPs.

**RecycleRBC** is responsible for managing recycling activities within the City.

The **Street Department** will be responsible for roadway maintenance and collection and disposal of the waste collected in City-owned or operated BMPs.

# Rainbow City

## Table 6-5 Control Measure 5 - Pollution Prevention and Good Housekeeping for Municipal Operations

**See Section 9.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2023-2024 IMPLEMENTATION STATUS | 2024-2025 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS /CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 1 | **Municipal Facilities Inventory:** Maintain an inventory of all municipal facilities, including facilities that have the potential to discharge pollutants. Update the inventory annually. | 14 municipal facilities<br><br>5 municipal facilities with pollution potential | The City will continue to maintain the inventory listing all Coty facilities, including City facilities that have the potential to discharge pollutants via storm water runoff. | The current municipal facility inventory is attached.<br><br>(See Document 5-1) | | NO |
| 2 | **Brush and Large Item Pickup:** Provide brush pickup on an as-needed basis. | The City performed monthly pickups of brush and bulk items.<br><br>Approximately 1855 tons of debris was collected | The City will continue to perform brush and large item pickup throughout the year on a monthly basis and dispose of collected debris at a permitted landfill. | An example invoice from Noble Hill Landfill for trash disposal, including large item pickup, the email of total tons collected, and the map of the pickup schedule are attached.<br><br>(See Documents 1-24, 1-25, and 1-26) | | NO |
| 3 | **Recycling Center:** Provide recycling locations for residents and local businesses. | The City maintained recycling drop-off points at the Community Center and Fire Station 2.<br><br>Approximately 339 tons of materials collected | The City will continue to manage two drop-off recycling locations and distribute bins to local businesses. | The 2024-2025 recycling receipt and photos of the recycling trailers are attached.<br><br>(See Documents 1-27 and 1-28) | 254 tons of material were collected during the previous reporting period | NO |
| 4 | **Coordinate and Promote an Annual Community Cleanup Day:** Coordinate a community cleanup day annually. | A Community Cleanup Day was held on **May 4, 2024**.<br><br>The May City cleanup event was advertised on the City's Facebook page in posts dated April 26, 2024, April 29, 2024, and May 2, 2024. The event was also promoted with signs, banners, and on the City's digital sign.<br><br>Approximately 40 volunteers participated in the cleanup day. | The City will continue to coordinate a community cleanup day annually. Collected debris will be disposed of at a permitted landfill. | Screenshots of the Facebook posts and photos of the signs, banners, and digital sign are attached.<br><br>(See Documents 1-16, 1-17, and 1-18) | | NO |
| 5 | **Evaluate Effectiveness of Litter Reduction Program:** Evaluate the litter reduction program. | 1855 tons of brush and bulk items collected<br><br>339 tons of recyclables collected<br><br>40 volunteers participated in the cleanup day<br><br>The City evaluated the litter reduction program and determined no changes need to be made. | The City will track the number of scheduled brush pickups and pounds of debris collected, the amount of recyclable material collected, and the number of volunteers who participated in the annual community cleanup day to evaluate the litter reduction program. | The landfill receipt and the recycling receipt are attached.<br><br>(See Documents 1-24 and 1-27) | More brush and bulk items collected (1855 tons up from 203 tons)<br><br>More recyclables collected (339 up from 254)<br><br>Fewer volunteers (40 down from 161), but only one cleanup event held instead of two | NO |

# Rainbow City

## Table 6-5 Control Measure 5 - Pollution Prevention and Good Housekeeping for Municipal Operations

**See Section 9.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2023-2024 IMPLEMENTATION STATUS | 2024-2025 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS /CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 6 | **Municipal Vehicle and Equipment Washing SOP:** Evaluate the SOP for municipal vehicle and equipment washing by March 31 each year. | 3 designated washing areas maintained<br><br>The City evaluated municipal vehicle and equipment washing SOP and determined that no changes were necessary. | The City will evaluate the SOP for municipal equipment and vehicle washing by March 31, 2026. | Municipal Vehicle and Equipment Washing SOP and a photos of washing areas are attached.<br><br>(See Documents 5-2 and 5-3) | | NO |
| 7 | **Vehicle Maintenance SOP:** Evaluate the SOP for vehicle maintenance by March 31 each year. | The City regularly inspected municipal vehicles.<br><br>The City evaluated the vehicle maintenance SOP and determined that no changes were necessary. | The City will evaluate the SOP for vehicle maintenance by March 31, 2026. | The Municipal Vehicle and Equipment Washing SOP and example of vehicle inspection reports are attached.<br><br>(See Document 5-2 and 5-4) | | NO |
| 8 | **Pesticide, Herbicide, and Fertilizer SOP:** Develop an SOP for pesticide, herbicide, and fertilizer (PHF) management.<br><br>Evaluate the SOP by March 31st each year if developed. | Pesticide, Herbicide, and Fertilizer (PHF) application within Rainbow City is currently performed by an outside contractor.<br><br>Rainbow City does not store or use pesticides, herbicides, or fertilizers. An SOP was not developed. | Should City personnel begin using or storing pesticides, herbicides, or fertilizers, the City will develop an SOP for proper application, storage, or disposal within 90 days. | A copy of the pesticide applicator license is attached.<br><br>(See Document 5-5) | The City intends to revise the 2025 SWMPP to remove the requirement to develop an SOP for municipal PHF operations. | **YES** |
| 9 | **Municipal Vehicle Fueling:** Develop an SOP for municipal vehicle fueling by March 31, 2025.<br>Evaluate the SOP by March 31st each year. | **INCOMPLETE**<br><br>The City operated one fueling area at the Street Department.<br><br>The City did not develop a written Standard Operating Procedure for municipal vehicle fueling operations by March 31, 2025. | The City will develop a Municipal Vehicle Feuling SOP by **March 31, 2026**. The SOP will then be evaluated annually. | | | NO |
| 10 | **Materials Storage SOP:** Develop an SOP for materials storage by March 31, 2025. The SOP will cover materials storage operations. Evaluate the SOP by March 31st each year. | The City did not develop a written Standard Operating Procedure for materials storage by March 31, 2025 because the City does not have materials storage operations. | Should the begin operating materials storage areas, the City will develop an SOP for proper application, storage, or disposal within 90 days. | | The City intends to revise the 2025 SWMPP to remove the requirement to develop an SOP for municipal materials storage operations. | **YES** |
| 11 | **Quarterly Inspection of Municipal Facilities:** Inspect municipal facilities that have the potential to discharge pollutants once per quarter. | 5 facilities with pollution potential<br><br>20 inspections performed<br><br>0 deficiencies noted | The City will continue to inspect municipal facilities that have been determined to have potential discharge pollutants via stormwater runoff once per quarter. | Copies of the quarterly inspections are attached.<br><br>(See Document 5-6) | | NO |

# Rainbow City

## Table 6-5 Control Measure 5 - Pollution Prevention and Good Housekeeping for Municipal Operations

**See Section 9.0 of the 2025 SWMPP**

| STRATEGY NO. | STRATEGIES | 2023-2024 IMPLEMENTATION STATUS | 2024-2025 PROPOSED EFFORTS | SUPPORTING DOCUMENTATION | COMMENTS /CHANGES | PROPOSED CHANGES |
|---|---|---|---|---|---|---|
| 12 | **Corrective Actions at Municipal Facilities:** Address noted deficiencies from quarterly inspections within 72 hours of the inspection. | 0 deficiencies noted<br><br>0 deficiencies corrected<br><br>0 deficiencies re-inspected | The City will continue to address deficiencies noted during a quarterly municipal facility inspection within 72 hours of the inspection. | Copies of the quarterly inspections are attached.<br><br>(See Document 5-6) | | NO |
| 13 | **Annual Employee Training:** Conduct annual training on good housekeeping practices, the developed SOPs, and potential threats to storm water quality. | S&ME addressed good housekeeping and best practices at municipal facilities in the Annual Training conducted on **March 18, 2025**.<br><br>6 municipal employees attended training | Appropriate City personnel will undergo annual training on good housekeeping practices, the developed SOPs, and potential threats to storm water quality. | Copies of the sign-in sheet and the training materials are attached.<br><br>(See Document 2-10) | | NO |

# 7.0 Notice of Reliance

***Reference Part VI.B.6***

## 7.1 Steering Committee

The Gadsden-Etowah Steering Committee was first established in 2011 following re-issuance of the joint permit. The intent of the steering committee was to provide for coordination between the co-permittees. When the joint permit was superseded by the separate permits in 2016, the committee continued to work together to produce and implement a joint SWMPP and monitoring program.

The Steering Committee will continue under the 2021 permit, although each entity currently operates under individual SWMPPs and the City of Gadsden has discontinued their participation in the joint monitoring program. The cities of Attalla, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County remain committed to partnership and joint implementation of the monitoring program.

Each of the seven entities provides at least one member to the Gadsden-Etowah Storm Water Steering Committee. Each entity is responsible for providing the required annual updates and monitoring data to the Steering Committee.

**Table 7-1 Gadsden-Etowah Storm Water Steering Committee**

| Entity | Contact | Phone Number | Email |
|---|---|---|---|
| City of Attalla | Jason Nicholson | 256-441-9200 | jnicholson@attallacity.org |
| City of Gadsden | Heath Williamson | 256-549-4520 | hwilliamson@cityofgadsden.com |
| City of Gadsden | Keener Morrow | 256-549-4524 | kmorrow@cityofgadsden.com |
| City of Glencoe | Todd Means | 256-492-1424 | toddmeans@cityofglencoe.org |
| City of Hokes Bluff | Lisa Lowman | 256-492-2414 | lisa.lowman@cityofhokesbluff.com |
| City of Rainbow City | Joel Garmon | 256-413-1230 | jgarmon@rbcalabama.com |
| City of Southside | Judd Rich | 256-442-9775 Ext. 103 | juddrich@cityofsouthside.com |
| Etowah County | Robert Nail | 256-549-5358 | rnail@etowahcounty.org |

# 8.0 Agency Certification

***Reference Parts VI.A.2 and VII.G***

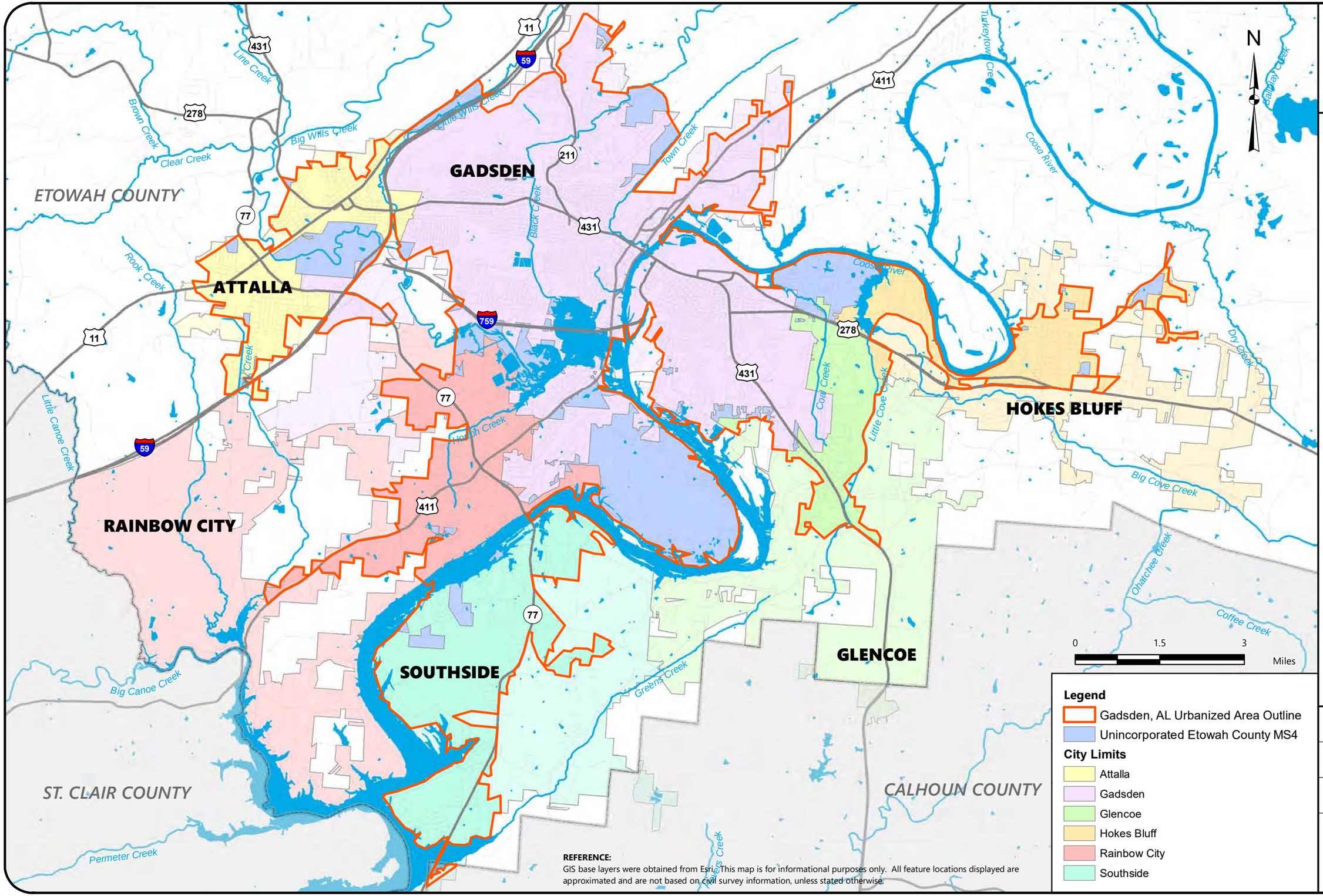
I certify under penalty of law that this document and all attachments pertaining to the City of Rainbow City were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Joe Taylor, Mayor
City of Rainbow City, Alabama

5-29-2025
Date

# Appendices

# Appendix A – Figures




# GADSDEN-ETOWAH MS4 BOUNDARIES

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

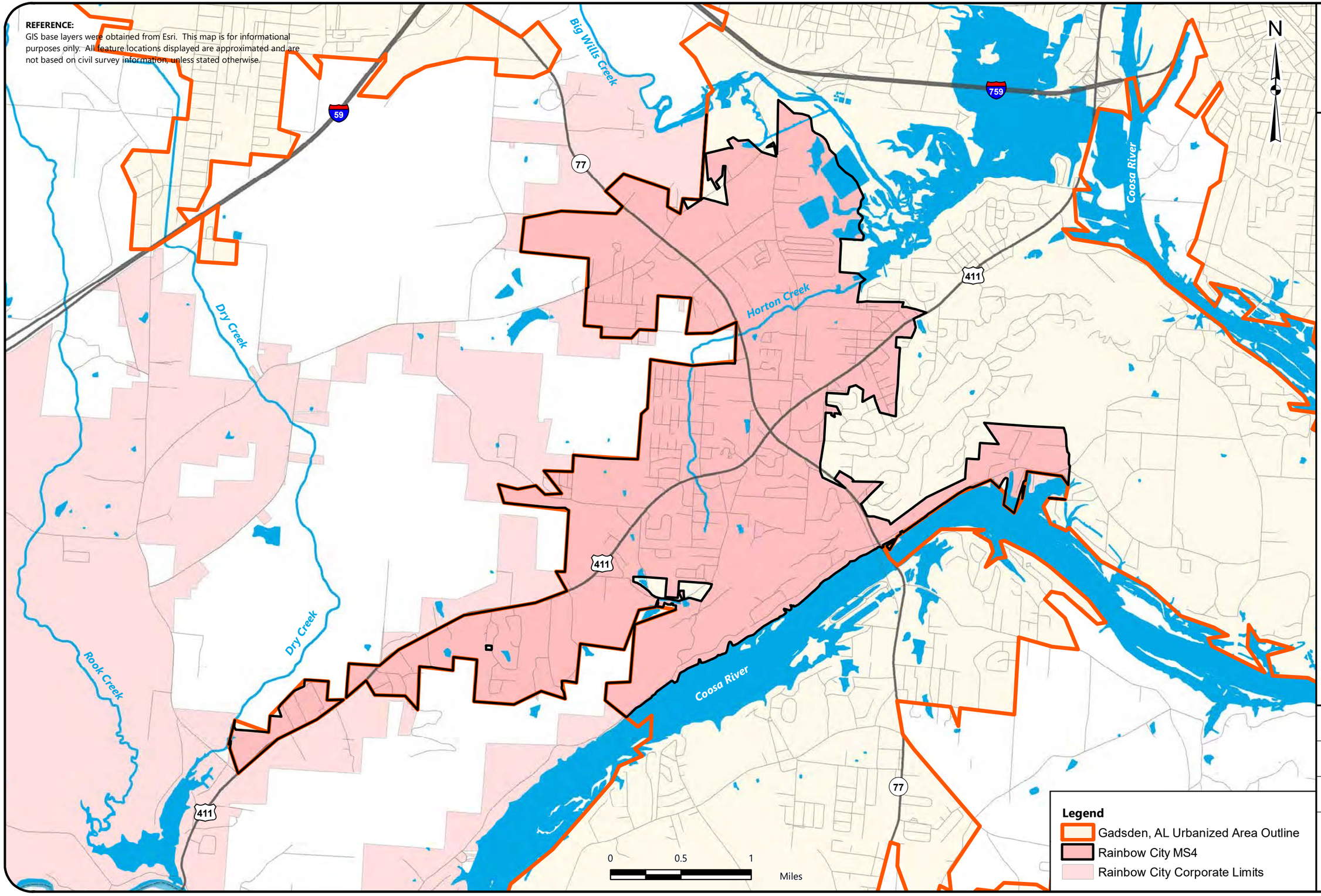
SCALE:
1:100,000

DATE:
02/18/2022

PROJECT NUMBER
24820156

FIGURE NO.
1

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.




# RAINBOW CITY MS4 BOUNDARIES

RAINBOW CITY, ETWOAH COUNTY, ALABAMA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040056

| | |
|---|---|
| SCALE: | 1:40,000 |
| DATE: | 02/19/2022 |
| PROJECT NUMBER | 24820156D |
| FIGURE NO. | 2 |

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

Big Wills Creek
Dry Creek
Horton Creek
Coosa River
Rook Creek
59
77
411
759
N
Big Wills Creek Embayment
(Neely Henry Lake)
AL03150106-0108-111
Listed 2018 - Nutrients
0
0.5
1
Miles

**Legend**
- Rainbow City MS4
- 2024 303(d) Waterbody

**Watersheds**
- H. Neely Henry Lake-Coosa River
- Horton Creek
- Lower Big Canoe Creek

# RAINBOW CITY MS4 303(d) WATERBODIES

RAINBOW CITY, ETOWAH COUNTY, ALABAMA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040056

SCALE: 1:40,000
DATE: 01/30/2025
PROJECT NUMBER 24820156D
FIGURE NO. 3

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

Big Wills Creek
AL03150106-0108-102
2024 TMDL - Pathogens (E. coli)

Big Wills Creek Embayment
(Neely Henry Lake)
AL03150106-0108-111
2008 TMDL - Total Phosphorous, pH, Organic Enrichment (CBOD, NBOD)

Big Canoe Creek Embayment
(Neely Henry Lake)
AL03150106-0306-111
2008 TMDL - Total Phosphorous, pH, Organic Enrichment (CBOD, NBOD)

Coosa River (Neely Henry Lake)
AL03150106-0309-102
2008 TMDL - Total Phosphorous, pH, Organic Enrichment (CBOD, NBOD)

Big Wills Creek
Dry Creek
Horton Creek
Rook Creek
Coosa River

59
77
411
759

N

0 0.5 1
Miles

**Legend**
- Rainbow City MS4
- 2024 TMDL Waterbody

**Watersheds**
- H. Neely Henry Lake-Coosa River
- Horton Creek
- Lower Big Canoe Creek

# RAINBOW CITY MS4 TMDLS

RAINBOW CITY, ETOWAH COUNTY, ALABAMA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040056

SCALE:
1:40,000

DATE:
01/30/2025

PROJECT NUMBER
24820156D

FIGURE NO.
4

# Appendix B – Charts and Statistics

**CHART 1 - TURBIDITY ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

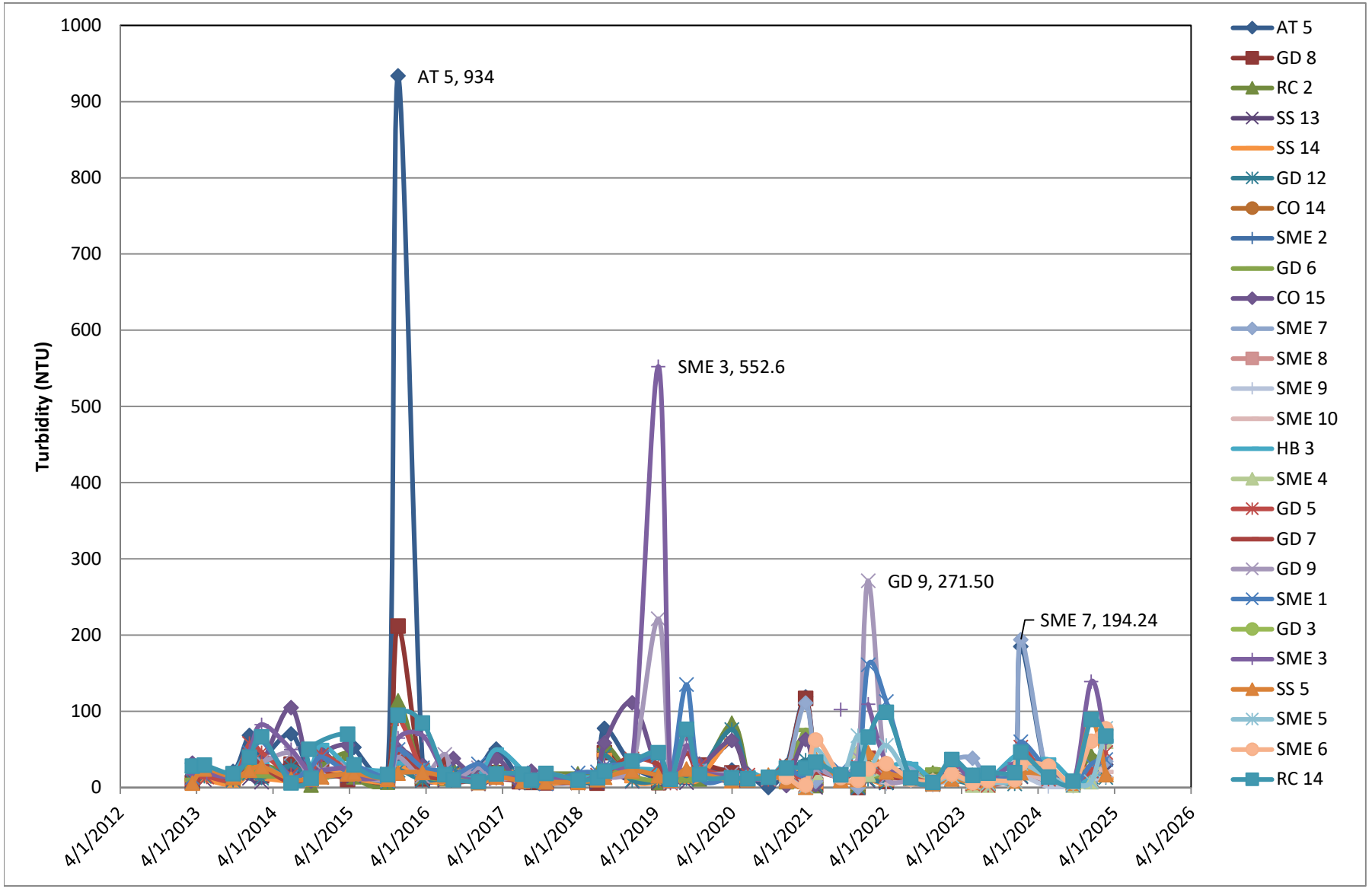


**CHART 2 - pH ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

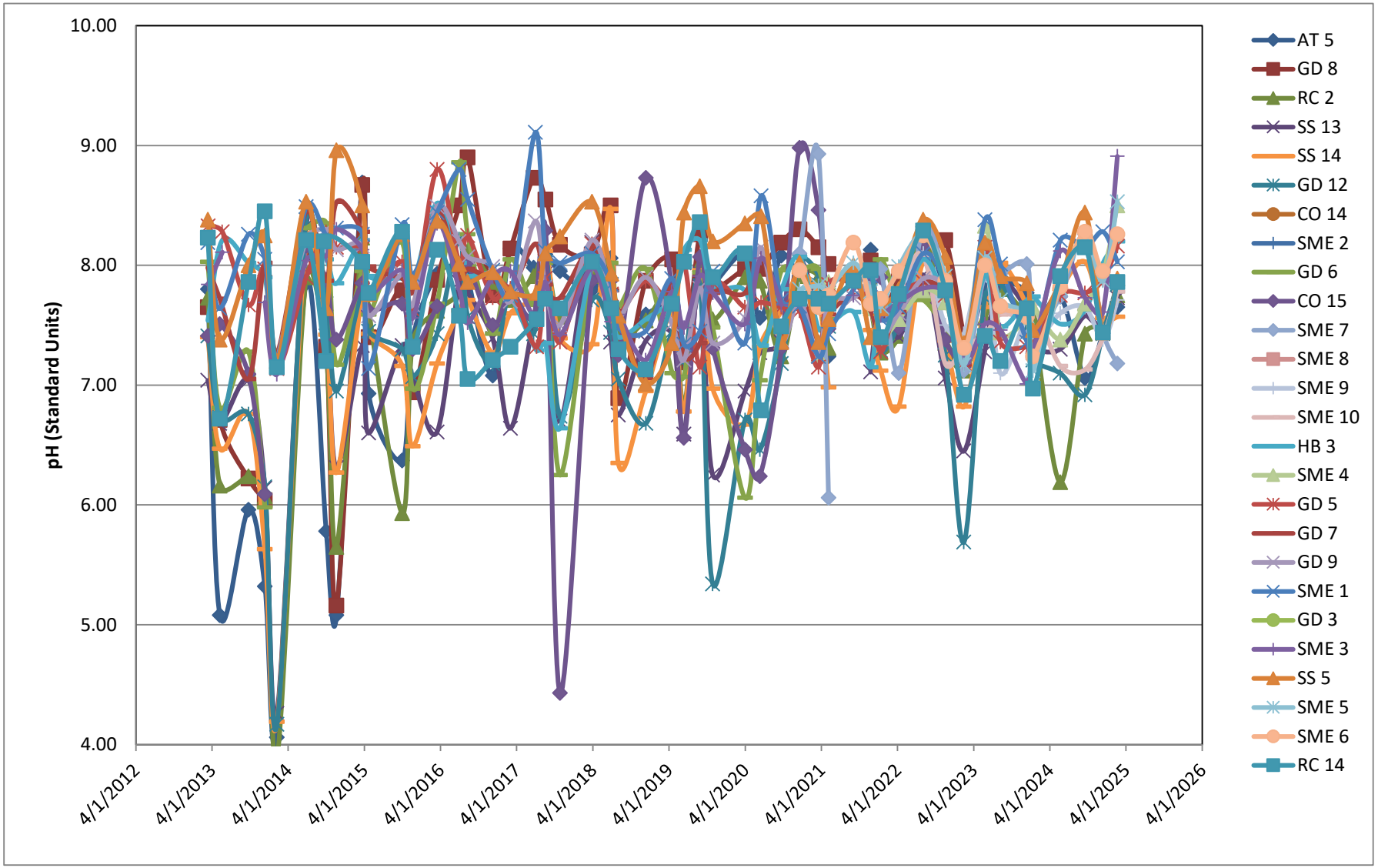


**CHART 3 - DISSOLVED OXYGEN ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

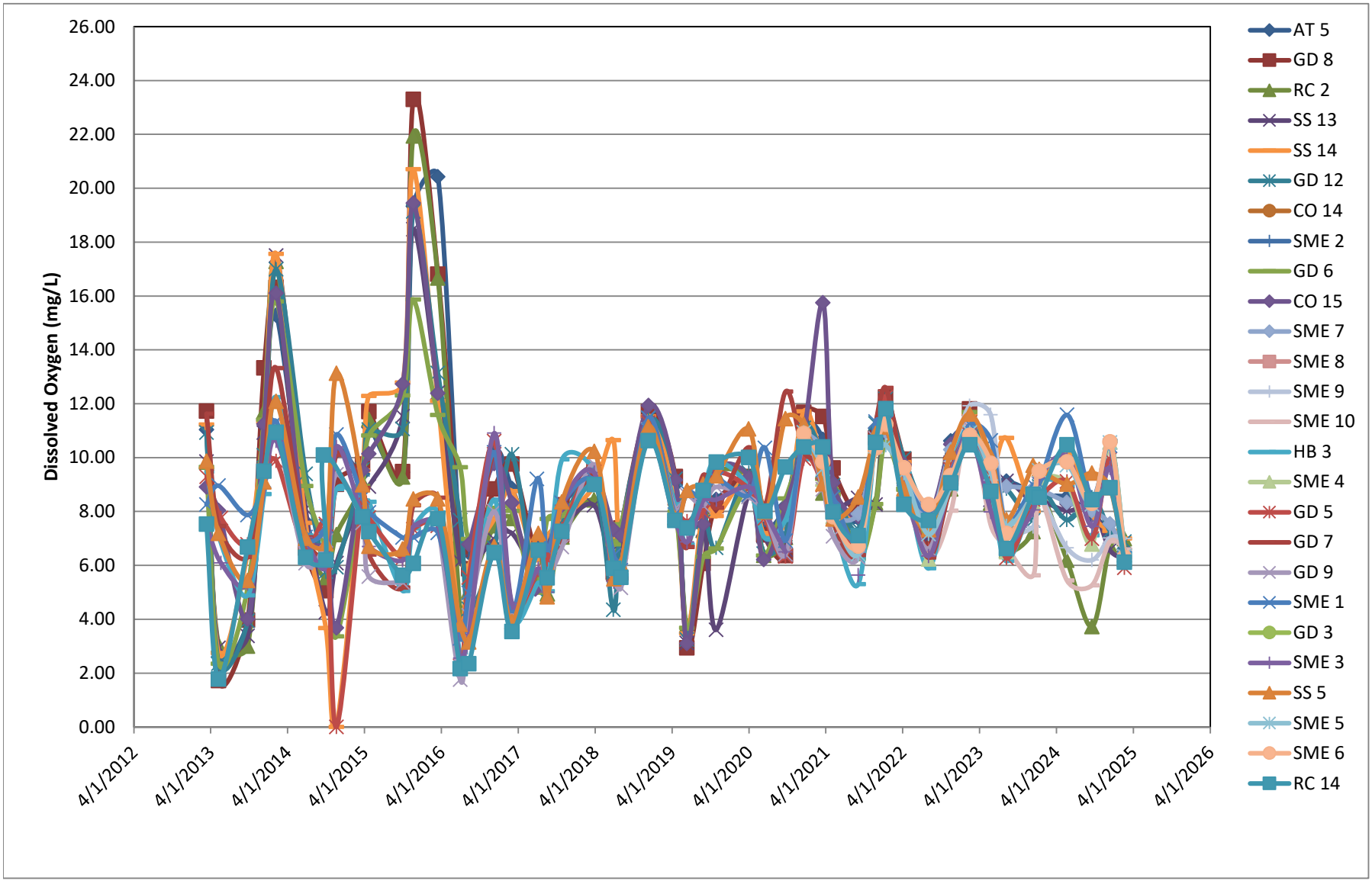


**CHART 4 - TEMPERATURE ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

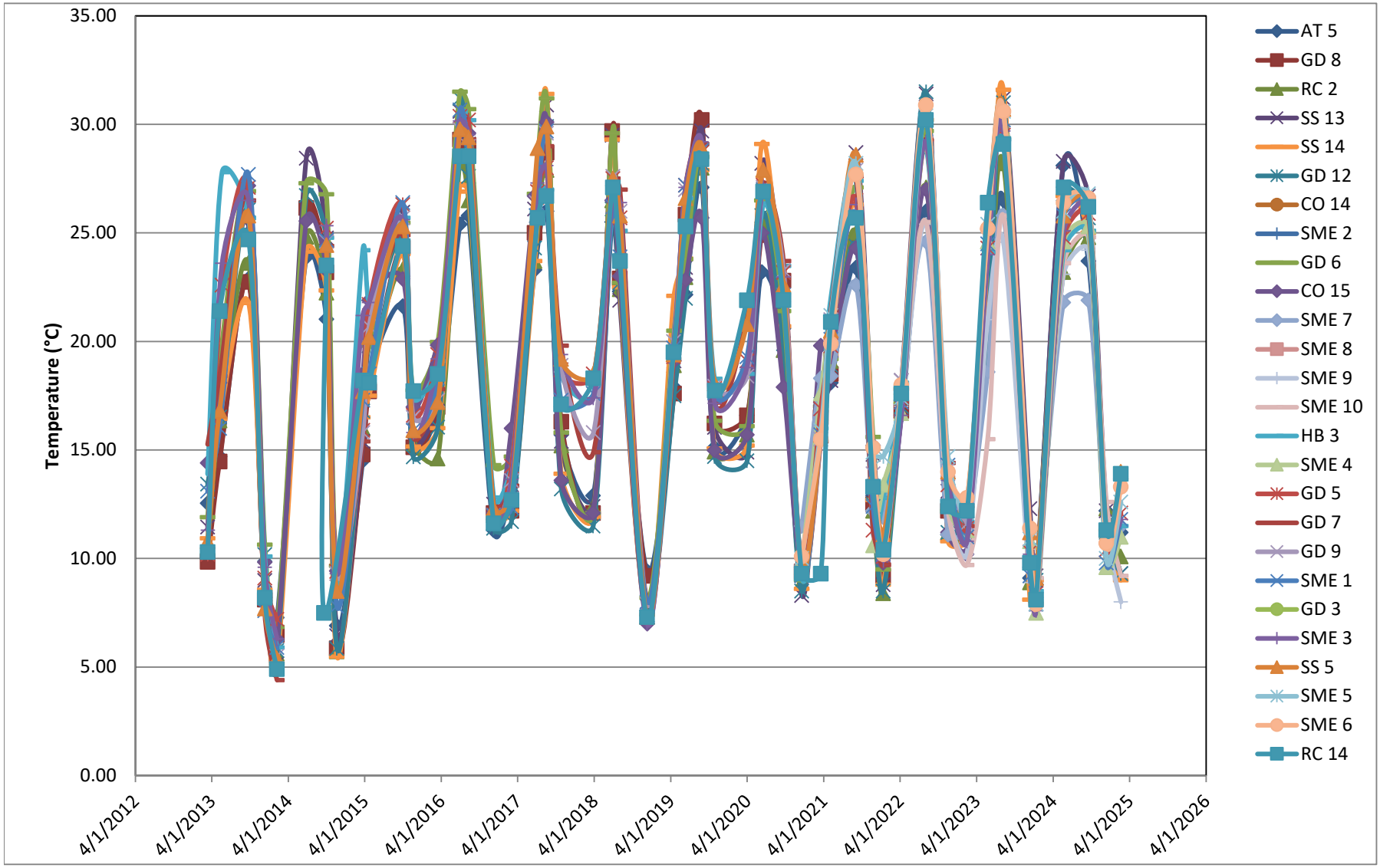
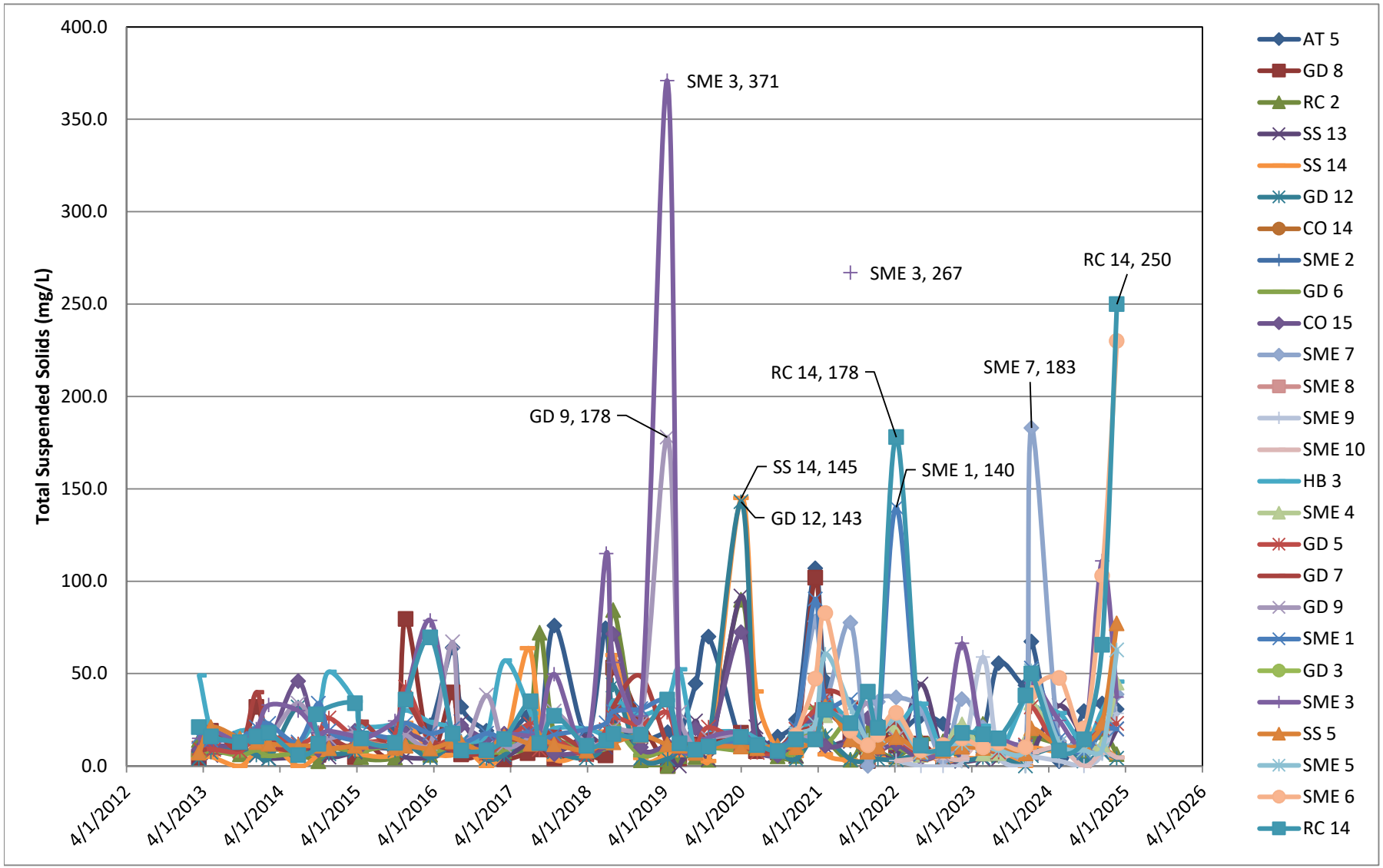


**CHART 5 - TOTAL SUSPENDED SOLIDS ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**



## CHART 6 - TOTAL KJELDAHL NITROGEN ANALYTICAL DATA
## MS4 WET-WEATHER MONITORING

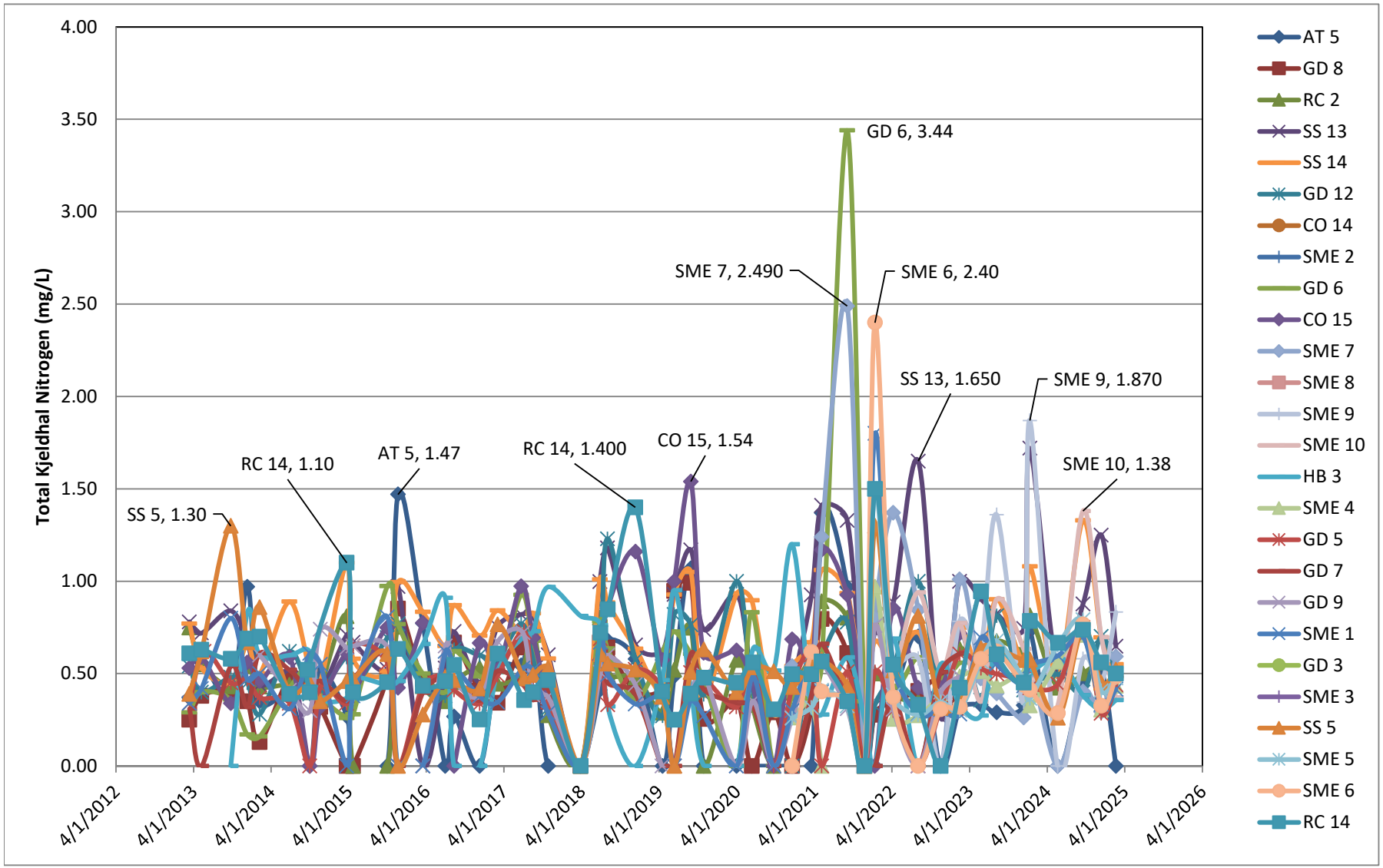


**CHART 7 - NITRATE-NITRITE ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

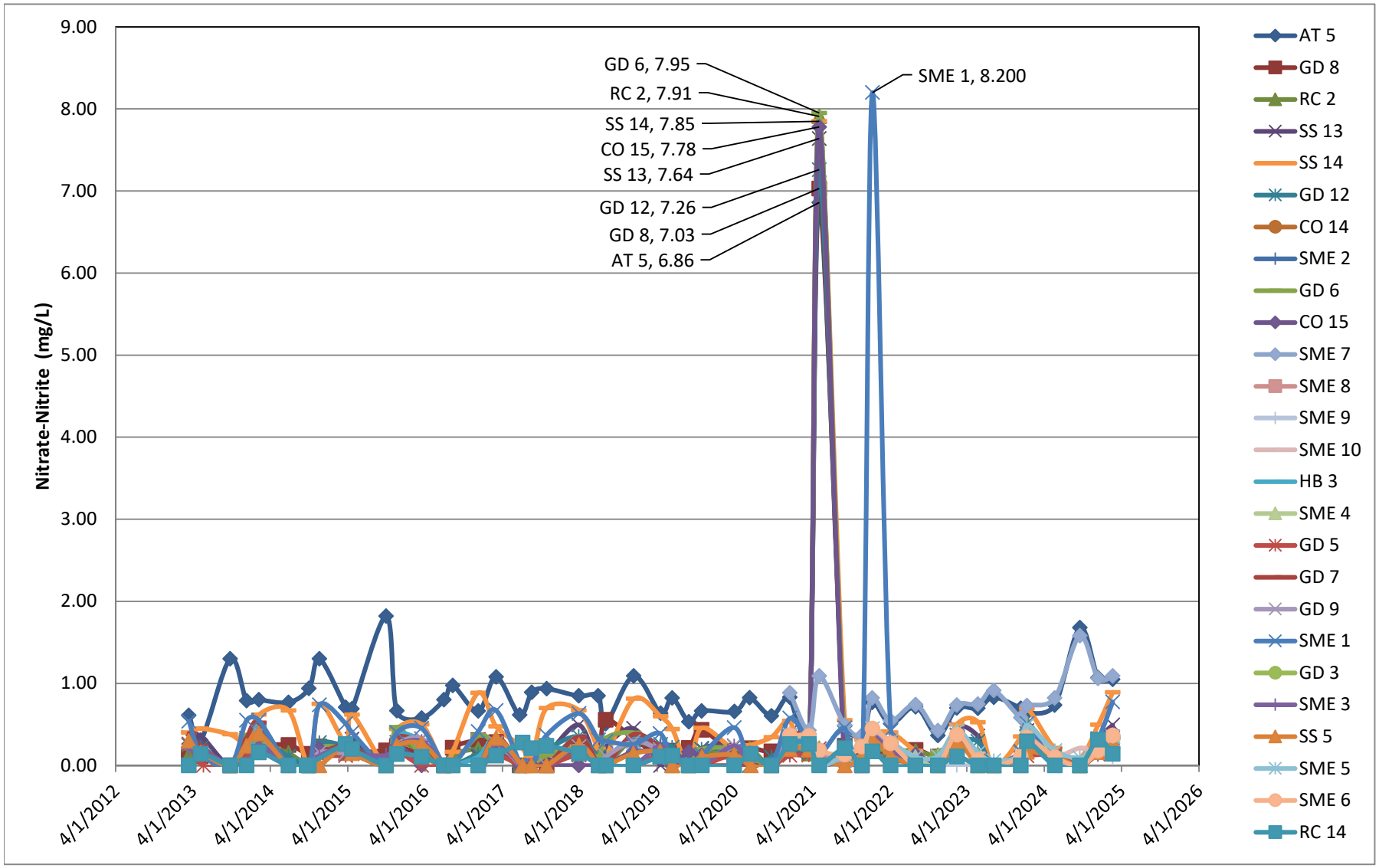


**CHART 8 - TOTAL PHOSPHORUS ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

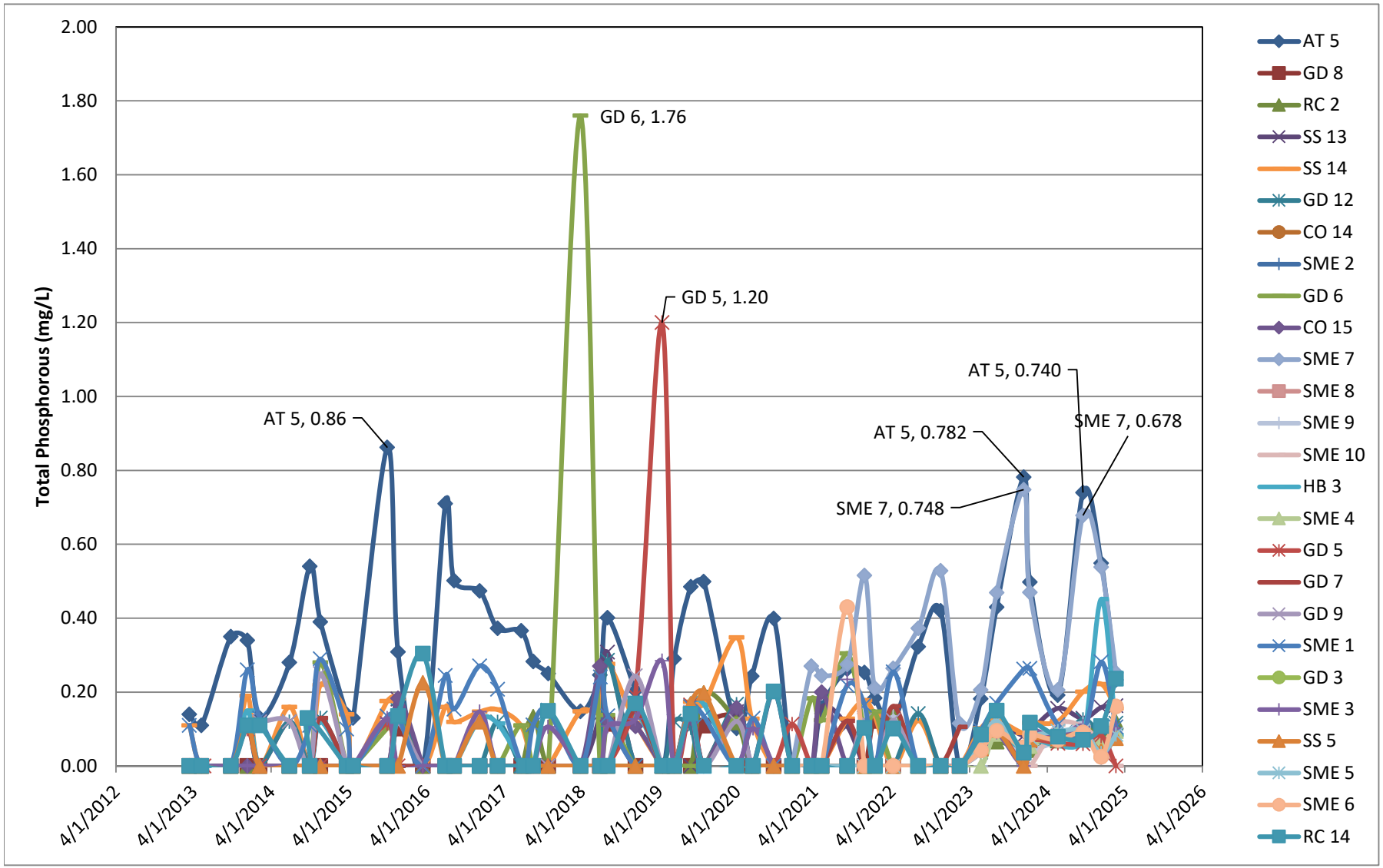


**CHART 9 - ORTHOPHOSPHATE ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**

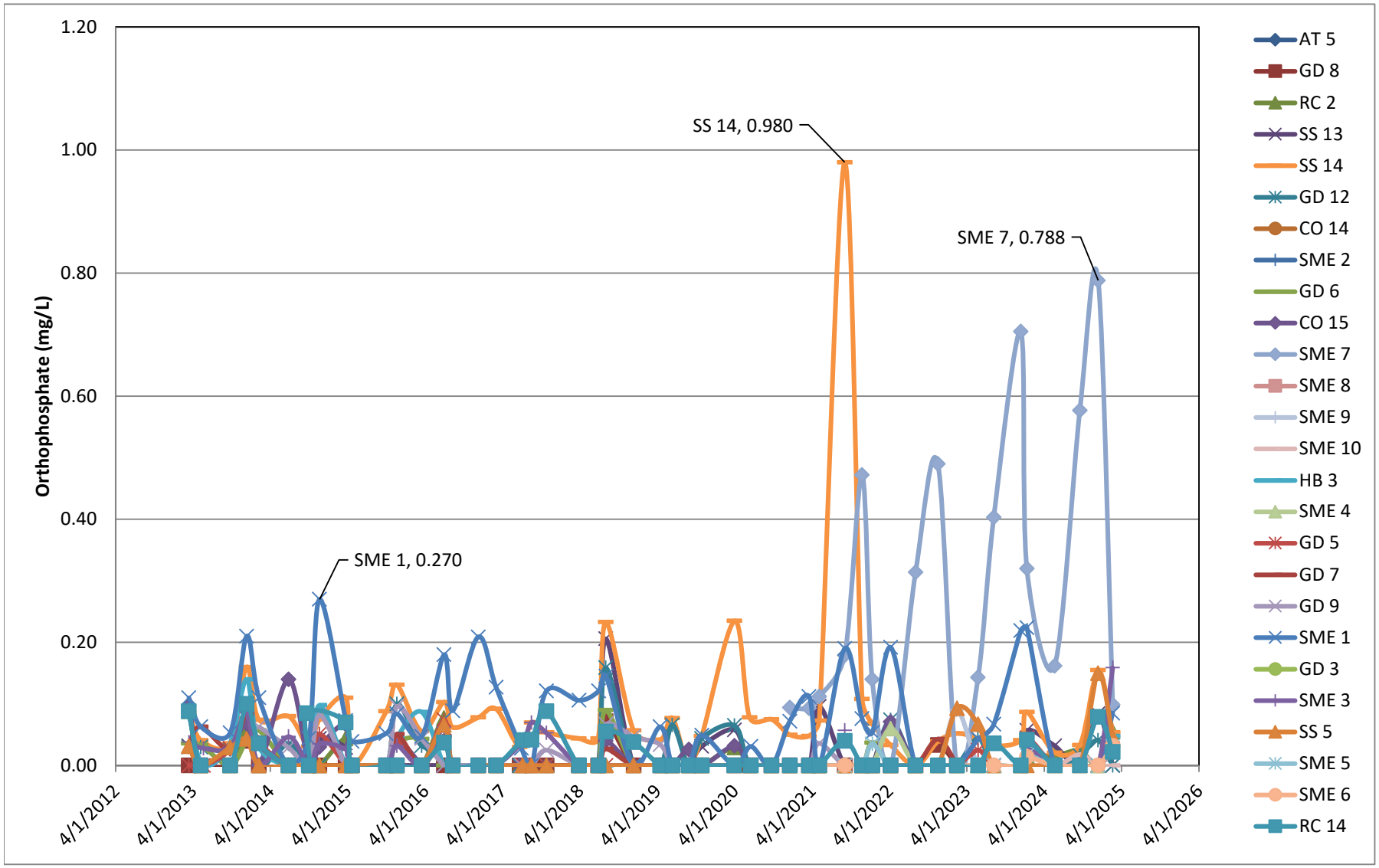
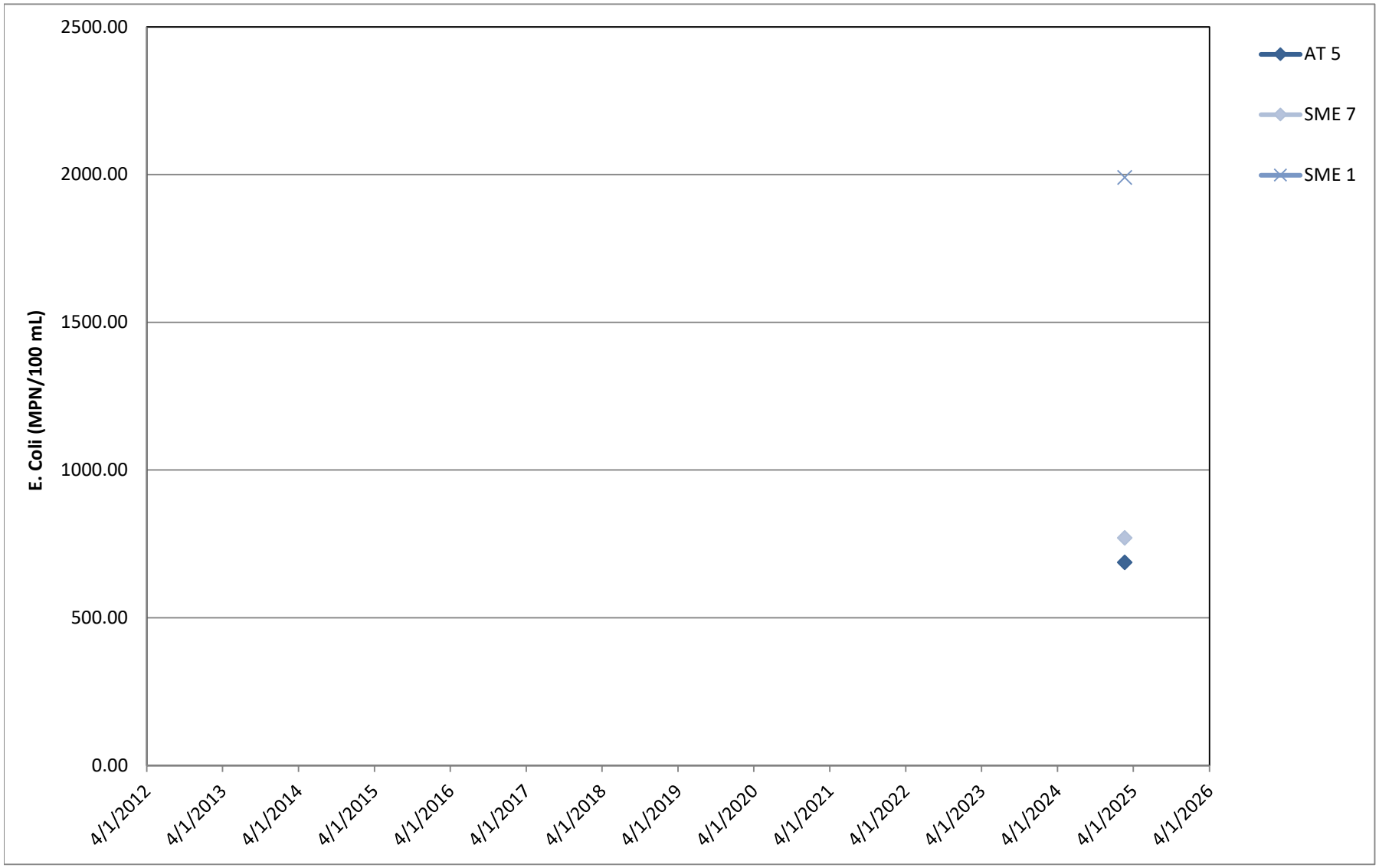


**CHART 10 - E. COLI ANALYTICAL DATA**
**MS4 WET-WEATHER MONITORING**



## Sen's Slope Analysis

### Parameter: Total Suspended Solids

### Location: AT 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 19 (5/8/2013) | 20 (3/12/2013) | (19 - 20)/(2 - 1) | -1 |
| 22 (9/23/2013) | 20 (3/12/2013) | (22 - 20)/(3 - 1) | 1 |
| 64 (12/10/2013) | 20 (3/12/2013) | (64 - 20)/(4 - 1) | 14.6667 |
| 32 (2/6/2014) | 20 (3/12/2013) | (32 - 20)/(5 - 1) | 3 |
| 19 (6/26/2014) | 20 (3/12/2013) | (19 - 20)/(6 - 1) | -0.2 |
| 14 (9/30/2014) | 20 (3/12/2013) | (14 - 20)/(7 - 1) | -1 |
| 27 (11/19/2014) | 20 (3/12/2013) | (27 - 20)/(8 - 1) | 1 |
| 15 (3/23/2015) | 20 (3/12/2013) | (15 - 20)/(9 - 1) | -0.625 |
| 76 (4/22/2015) | 20 (3/12/2013) | (76 - 20)/(10 - 1) | 6.22222 |
| 16.4 (9/30/2015) | 20 (3/12/2013) | (16.4 - 20)/(11 - 1) | -0.36 |
| 74.6 (11/19/2015) | 20 (3/12/2013) | (74.6 - 20)/(12 - 1) | 4.96364 |
| 26.7 (3/15/2016) | 20 (3/12/2013) | (26.7 - 20)/(13 - 1) | 0.558333 |
| 14.5 (6/29/2016) | 20 (3/12/2013) | (14.5 - 20)/(14 - 1) | -0.423077 |
| 18.3 (8/9/2016) | 20 (3/12/2013) | (18.3 - 20)/(15 - 1) | -0.121429 |
| 16.9 (12/7/2016) | 20 (3/12/2013) | (16.9 - 20)/(16 - 1) | -0.206667 |
| 44.6 (3/2/2017) | 20 (3/12/2013) | (44.6 - 20)/(17 - 1) | 1.5375 |
| 70 (6/21/2017) | 20 (3/12/2013) | (70 - 20)/(18 - 1) | 2.94118 |
| 12 (8/17/2017) | 20 (3/12/2013) | (12 - 20)/(19 - 1) | -0.444444 |
| 9.4 (10/26/2017) | 20 (3/12/2013) | (9.4 - 20)/(20 - 1) | -0.557895 |
| 15.9 (3/27/2018) | 20 (3/12/2013) | (15.9 - 20)/(21 - 1) | -0.205 |
| 25.2 (6/26/2018) | 20 (3/12/2013) | (25.2 - 20)/(22 - 1) | 0.247619 |
| 107 (8/1/2018) | 20 (3/12/2013) | (107 - 20)/(23 - 1) | 3.95455 |
| 46.2 (12/11/2018) | 20 (3/12/2013) | (46.2 - 20)/(24 - 1) | 1.13913 |
| 14.4 (4/17/2019) | 20 (3/12/2013) | (14.4 - 20)/(25 - 1) | -0.233333 |
| 15.9 (6/11/2019) | 20 (3/12/2013) | (15.9 - 20)/(26 - 1) | -0.164 |
| 23.5 (8/28/2019) | 20 (3/12/2013) | (23.5 - 20)/(27 - 1) | 0.134615 |
| 17 (10/28/2019) | 20 (3/12/2013) | (17 - 20)/(28 - 1) | -0.111111 |
| 27.1 (3/31/2020) | 20 (3/12/2013) | (27.1 - 20)/(29 - 1) | 0.253571 |
| 22.8 (6/10/2020) | 20 (3/12/2013) | (22.8 - 20)/(30 - 1) | 0.0965517 |
| 22.8 (6/10/2020) | 20 (3/12/2013) | (22.8 - 20)/(30 - 1) | 0.0965517 |
| 11.3 (9/21/2020) | 20 (3/12/2013) | (11.3 - 20)/(31 - 1) | -0.29 |
| 18.6 (12/17/2020) | 20 (3/12/2013) | (18.6 - 20)/(32 - 1) | -0.0451613 |
| 55.6 (3/18/2021) | 20 (3/12/2013) | (55.6 - 20)/(33 - 1) | 1.1125 |
| 43.7 (5/5/2021) | 20 (3/12/2013) | (43.7 - 20)/(34 - 1) | 0.718182 |
| 67.4 (9/2/2021) | 20 (3/12/2013) | (67.4 - 20)/(35 - 1) | 1.39412 |
| 2.6 (11/23/2021) | 20 (3/12/2013) | (2.6 - 20)/(36 - 1) | -0.497143 |
| 29.7 (1/10/2022) | 20 (3/12/2013) | (29.7 - 20)/(37 - 1) | 0.269444 |
| 33.8 (4/7/2022) | 20 (3/12/2013) | (33.8 - 20)/(38 - 1) | 0.372973 |
| 30.8 (8/3/2022) | 20 (3/12/2013) | (30.8 - 20)/(39 - 1) | 0.284211 |
| 7.3 (11/16/2022) | 20 (3/12/2013) | (7.3 - 20)/(40 - 1) | -0.325641 |
| 38 (2/13/2023) | 20 (3/12/2013) | (38 - 20)/(41 - 1) | 0.45 |
| 20 (5/24/2023) | 20 (3/12/2013) | (20 - 20)/(42 - 1) | 0 |
| 12.4 (8/7/2023) | 20 (3/12/2013) | (12.4 - 20)/(43 - 1) | -0.180952 |
| 10.9 (12/12/2023) | 20 (3/12/2013) | (10.9 - 20)/(44 - 1) | -0.211628 |
| 220 (1/10/2024) | 20 (3/12/2013) | (220 - 20)/(45 - 1) | 4.54545 |
| 11.6 (5/20/2024) | 20 (3/12/2013) | (11.6 - 20)/(46 - 1) | -0.186667 |
| 12 (9/16/2024) | 20 (3/12/2013) | (12 - 20)/(47 - 1) | -0.173913 |
| 7.8 (12/11/2024) | 20 (3/12/2013) | (7.8 - 20)/(48 - 1) | -0.259574 |

| | | | |
|---|---|---|---|
| 36.6 (2/18/2025) | 20 (3/12/2013) | (36.6 - 20)/(49 - 1) | 0.345833 |
| | | | |
| 22 (9/23/2013) | 19 (5/8/2013) | (22 - 19)/(3 - 2) | 3 |
| 64 (12/10/2013) | 19 (5/8/2013) | (64 - 19)/(4 - 2) | 22.5 |
| 32 (2/6/2014) | 19 (5/8/2013) | (32 - 19)/(5 - 2) | 4.33333 |
| 19 (6/26/2014) | 19 (5/8/2013) | (19 - 19)/(6 - 2) | 0 |
| 14 (9/30/2014) | 19 (5/8/2013) | (14 - 19)/(7 - 2) | -1 |
| 27 (11/19/2014) | 19 (5/8/2013) | (27 - 19)/(8 - 2) | 1.33333 |
| 15 (3/23/2015) | 19 (5/8/2013) | (15 - 19)/(9 - 2) | -0.571429 |
| 76 (4/22/2015) | 19 (5/8/2013) | (76 - 19)/(10 - 2) | 7.125 |
| 16.4 (9/30/2015) | 19 (5/8/2013) | (16.4 - 19)/(11 - 2) | -0.288889 |
| 74.6 (11/19/2015) | 19 (5/8/2013) | (74.6 - 19)/(12 - 2) | 5.56 |
| 26.7 (3/15/2016) | 19 (5/8/2013) | (26.7 - 19)/(13 - 2) | 0.7 |
| 14.5 (6/29/2016) | 19 (5/8/2013) | (14.5 - 19)/(14 - 2) | -0.375 |
| 18.3 (8/9/2016) | 19 (5/8/2013) | (18.3 - 19)/(15 - 2) | -0.0538462 |
| 16.9 (12/7/2016) | 19 (5/8/2013) | (16.9 - 19)/(16 - 2) | -0.15 |
| 44.6 (3/2/2017) | 19 (5/8/2013) | (44.6 - 19)/(17 - 2) | 1.70667 |
| 70 (6/21/2017) | 19 (5/8/2013) | (70 - 19)/(18 - 2) | 3.1875 |
| 12 (8/17/2017) | 19 (5/8/2013) | (12 - 19)/(19 - 2) | -0.411765 |
| 9.4 (10/26/2017) | 19 (5/8/2013) | (9.4 - 19)/(20 - 2) | -0.533333 |
| 15.9 (3/27/2018) | 19 (5/8/2013) | (15.9 - 19)/(21 - 2) | -0.163158 |
| 25.2 (6/26/2018) | 19 (5/8/2013) | (25.2 - 19)/(22 - 2) | 0.31 |
| 107 (8/1/2018) | 19 (5/8/2013) | (107 - 19)/(23 - 2) | 4.19048 |
| 46.2 (12/11/2018) | 19 (5/8/2013) | (46.2 - 19)/(24 - 2) | 1.23636 |
| 14.4 (4/17/2019) | 19 (5/8/2013) | (14.4 - 19)/(25 - 2) | -0.2 |
| 15.9 (6/11/2019) | 19 (5/8/2013) | (15.9 - 19)/(26 - 2) | -0.129167 |
| 23.5 (8/28/2019) | 19 (5/8/2013) | (23.5 - 19)/(27 - 2) | 0.18 |
| 17 (10/28/2019) | 19 (5/8/2013) | (17 - 19)/(28 - 2) | -0.0769231 |
| 27.1 (3/31/2020) | 19 (5/8/2013) | (27.1 - 19)/(29 - 2) | 0.3 |
| 22.8 (6/10/2020) | 19 (5/8/2013) | (22.8 - 19)/(30 - 2) | 0.135714 |
| 22.8 (6/10/2020) | 19 (5/8/2013) | (22.8 - 19)/(30 - 2) | 0.135714 |
| 11.3 (9/21/2020) | 19 (5/8/2013) | (11.3 - 19)/(31 - 2) | -0.265517 |
| 18.6 (12/17/2020) | 19 (5/8/2013) | (18.6 - 19)/(32 - 2) | -0.0133333 |
| 55.6 (3/18/2021) | 19 (5/8/2013) | (55.6 - 19)/(33 - 2) | 1.18065 |
| 43.7 (5/5/2021) | 19 (5/8/2013) | (43.7 - 19)/(34 - 2) | 0.771875 |
| 67.4 (9/2/2021) | 19 (5/8/2013) | (67.4 - 19)/(35 - 2) | 1.46667 |
| 2.6 (11/23/2021) | 19 (5/8/2013) | (2.6 - 19)/(36 - 2) | -0.482353 |
| 29.7 (1/10/2022) | 19 (5/8/2013) | (29.7 - 19)/(37 - 2) | 0.305714 |
| 33.8 (4/7/2022) | 19 (5/8/2013) | (33.8 - 19)/(38 - 2) | 0.411111 |
| 30.8 (8/3/2022) | 19 (5/8/2013) | (30.8 - 19)/(39 - 2) | 0.318919 |
| 7.3 (11/16/2022) | 19 (5/8/2013) | (7.3 - 19)/(40 - 2) | -0.307895 |
| 38 (2/13/2023) | 19 (5/8/2013) | (38 - 19)/(41 - 2) | 0.487179 |
| 20 (5/24/2023) | 19 (5/8/2013) | (20 - 19)/(42 - 2) | 0.025 |
| 12.4 (8/7/2023) | 19 (5/8/2013) | (12.4 - 19)/(43 - 2) | -0.160976 |
| 10.9 (12/12/2023) | 19 (5/8/2013) | (10.9 - 19)/(44 - 2) | -0.192857 |
| 220 (1/10/2024) | 19 (5/8/2013) | (220 - 19)/(45 - 2) | 4.67442 |
| 11.6 (5/20/2024) | 19 (5/8/2013) | (11.6 - 19)/(46 - 2) | -0.168182 |
| 12 (9/16/2024) | 19 (5/8/2013) | (12 - 19)/(47 - 2) | -0.155556 |
| 7.8 (12/11/2024) | 19 (5/8/2013) | (7.8 - 19)/(48 - 2) | -0.243478 |
| 36.6 (2/18/2025) | 19 (5/8/2013) | (36.6 - 19)/(49 - 2) | 0.374468 |
| | | | |
| 64 (12/10/2013) | 22 (9/23/2013) | (64 - 22)/(4 - 3) | 42 |
| 32 (2/6/2014) | 22 (9/23/2013) | (32 - 22)/(5 - 3) | 5 |
| 19 (6/26/2014) | 22 (9/23/2013) | (19 - 22)/(6 - 3) | -1 |
| 14 (9/30/2014) | 22 (9/23/2013) | (14 - 22)/(7 - 3) | -2 |
| 27 (11/19/2014) | 22 (9/23/2013) | (27 - 22)/(8 - 3) | 1 |
| 15 (3/23/2015) | 22 (9/23/2013) | (15 - 22)/(9 - 3) | -1.16667 |

| | | | |
|---|---|---|---|
| 76 (4/22/2015) | 22 (9/23/2013) | (76 - 22)/(10 - 3) | 7.71429 |
| 16.4 (9/30/2015) | 22 (9/23/2013) | (16.4 - 22)/(11 - 3) | -0.7 |
| 74.6 (11/19/2015) | 22 (9/23/2013) | (74.6 - 22)/(12 - 3) | 5.84444 |
| 26.7 (3/15/2016) | 22 (9/23/2013) | (26.7 - 22)/(13 - 3) | 0.47 |
| 14.5 (6/29/2016) | 22 (9/23/2013) | (14.5 - 22)/(14 - 3) | -0.681818 |
| 18.3 (8/9/2016) | 22 (9/23/2013) | (18.3 - 22)/(15 - 3) | -0.308333 |
| 16.9 (12/7/2016) | 22 (9/23/2013) | (16.9 - 22)/(16 - 3) | -0.392308 |
| 44.6 (3/2/2017) | 22 (9/23/2013) | (44.6 - 22)/(17 - 3) | 1.61429 |
| 70 (6/21/2017) | 22 (9/23/2013) | (70 - 22)/(18 - 3) | 3.2 |
| 12 (8/17/2017) | 22 (9/23/2013) | (12 - 22)/(19 - 3) | -0.625 |
| 9.4 (10/26/2017) | 22 (9/23/2013) | (9.4 - 22)/(20 - 3) | -0.741176 |
| 15.9 (3/27/2018) | 22 (9/23/2013) | (15.9 - 22)/(21 - 3) | -0.338889 |
| 25.2 (6/26/2018) | 22 (9/23/2013) | (25.2 - 22)/(22 - 3) | 0.168421 |
| 107 (8/1/2018) | 22 (9/23/2013) | (107 - 22)/(23 - 3) | 4.25 |
| 46.2 (12/11/2018) | 22 (9/23/2013) | (46.2 - 22)/(24 - 3) | 1.15238 |
| 14.4 (4/17/2019) | 22 (9/23/2013) | (14.4 - 22)/(25 - 3) | -0.345455 |
| 15.9 (6/11/2019) | 22 (9/23/2013) | (15.9 - 22)/(26 - 3) | -0.265217 |
| 23.5 (8/28/2019) | 22 (9/23/2013) | (23.5 - 22)/(27 - 3) | 0.0625 |
| 17 (10/28/2019) | 22 (9/23/2013) | (17 - 22)/(28 - 3) | -0.2 |
| 27.1 (3/31/2020) | 22 (9/23/2013) | (27.1 - 22)/(29 - 3) | 0.196154 |
| 22.8 (6/10/2020) | 22 (9/23/2013) | (22.8 - 22)/(30 - 3) | 0.0296296 |
| 22.8 (6/10/2020) | 22 (9/23/2013) | (22.8 - 22)/(30 - 3) | 0.0296296 |
| 11.3 (9/21/2020) | 22 (9/23/2013) | (11.3 - 22)/(31 - 3) | -0.382143 |
| 18.6 (12/17/2020) | 22 (9/23/2013) | (18.6 - 22)/(32 - 3) | -0.117241 |
| 55.6 (3/18/2021) | 22 (9/23/2013) | (55.6 - 22)/(33 - 3) | 1.12 |
| 43.7 (5/5/2021) | 22 (9/23/2013) | (43.7 - 22)/(34 - 3) | 0.7 |
| 67.4 (9/2/2021) | 22 (9/23/2013) | (67.4 - 22)/(35 - 3) | 1.41875 |
| 2.6 (11/23/2021) | 22 (9/23/2013) | (2.6 - 22)/(36 - 3) | -0.587879 |
| 29.7 (1/10/2022) | 22 (9/23/2013) | (29.7 - 22)/(37 - 3) | 0.226471 |
| 33.8 (4/7/2022) | 22 (9/23/2013) | (33.8 - 22)/(38 - 3) | 0.337143 |
| 30.8 (8/3/2022) | 22 (9/23/2013) | (30.8 - 22)/(39 - 3) | 0.244444 |
| 7.3 (11/16/2022) | 22 (9/23/2013) | (7.3 - 22)/(40 - 3) | -0.397297 |
| 38 (2/13/2023) | 22 (9/23/2013) | (38 - 22)/(41 - 3) | 0.421053 |
| 20 (5/24/2023) | 22 (9/23/2013) | (20 - 22)/(42 - 3) | -0.0512821 |
| 12.4 (8/7/2023) | 22 (9/23/2013) | (12.4 - 22)/(43 - 3) | -0.24 |
| 10.9 (12/12/2023) | 22 (9/23/2013) | (10.9 - 22)/(44 - 3) | -0.270732 |
| 220 (1/10/2024) | 22 (9/23/2013) | (220 - 22)/(45 - 3) | 4.71429 |
| 11.6 (5/20/2024) | 22 (9/23/2013) | (11.6 - 22)/(46 - 3) | -0.24186 |
| 12 (9/16/2024) | 22 (9/23/2013) | (12 - 22)/(47 - 3) | -0.227273 |
| 7.8 (12/11/2024) | 22 (9/23/2013) | (7.8 - 22)/(48 - 3) | -0.315556 |
| 36.6 (2/18/2025) | 22 (9/23/2013) | (36.6 - 22)/(49 - 3) | 0.317391 |
| | | | |
| 32 (2/6/2014) | 64 (12/10/2013) | (32 - 64)/(5 - 4) | -32 |
| 19 (6/26/2014) | 64 (12/10/2013) | (19 - 64)/(6 - 4) | -22.5 |
| 14 (9/30/2014) | 64 (12/10/2013) | (14 - 64)/(7 - 4) | -16.6667 |
| 27 (11/19/2014) | 64 (12/10/2013) | (27 - 64)/(8 - 4) | -9.25 |
| 15 (3/23/2015) | 64 (12/10/2013) | (15 - 64)/(9 - 4) | -9.8 |
| 76 (4/22/2015) | 64 (12/10/2013) | (76 - 64)/(10 - 4) | 2 |
| 16.4 (9/30/2015) | 64 (12/10/2013) | (16.4 - 64)/(11 - 4) | -6.8 |
| 74.6 (11/19/2015) | 64 (12/10/2013) | (74.6 - 64)/(12 - 4) | 1.325 |
| 26.7 (3/15/2016) | 64 (12/10/2013) | (26.7 - 64)/(13 - 4) | -4.14444 |
| 14.5 (6/29/2016) | 64 (12/10/2013) | (14.5 - 64)/(14 - 4) | -4.95 |
| 18.3 (8/9/2016) | 64 (12/10/2013) | (18.3 - 64)/(15 - 4) | -4.15455 |
| 16.9 (12/7/2016) | 64 (12/10/2013) | (16.9 - 64)/(16 - 4) | -3.925 |
| 44.6 (3/2/2017) | 64 (12/10/2013) | (44.6 - 64)/(17 - 4) | -1.49231 |
| 70 (6/21/2017) | 64 (12/10/2013) | (70 - 64)/(18 - 4) | 0.428571 |
| 12 (8/17/2017) | 64 (12/10/2013) | (12 - 64)/(19 - 4) | -3.46667 |

| | | | |
|---|---|---|---|
| 9.4 (10/26/2017) | 64 (12/10/2013) | (9.4 - 64)/(20 - 4) | -3.4125 |
| 15.9 (3/27/2018) | 64 (12/10/2013) | (15.9 - 64)/(21 - 4) | -2.82941 |
| 25.2 (6/26/2018) | 64 (12/10/2013) | (25.2 - 64)/(22 - 4) | -2.15556 |
| 107 (8/1/2018) | 64 (12/10/2013) | (107 - 64)/(23 - 4) | 2.26316 |
| 46.2 (12/11/2018) | 64 (12/10/2013) | (46.2 - 64)/(24 - 4) | -0.89 |
| 14.4 (4/17/2019) | 64 (12/10/2013) | (14.4 - 64)/(25 - 4) | -2.3619 |
| 15.9 (6/11/2019) | 64 (12/10/2013) | (15.9 - 64)/(26 - 4) | -2.18636 |
| 23.5 (8/28/2019) | 64 (12/10/2013) | (23.5 - 64)/(27 - 4) | -1.76087 |
| 17 (10/28/2019) | 64 (12/10/2013) | (17 - 64)/(28 - 4) | -1.95833 |
| 27.1 (3/31/2020) | 64 (12/10/2013) | (27.1 - 64)/(29 - 4) | -1.476 |
| 22.8 (6/10/2020) | 64 (12/10/2013) | (22.8 - 64)/(30 - 4) | -1.58462 |
| 22.8 (6/10/2020) | 64 (12/10/2013) | (22.8 - 64)/(30 - 4) | -1.58462 |
| 11.3 (9/21/2020) | 64 (12/10/2013) | (11.3 - 64)/(31 - 4) | -1.95185 |
| 18.6 (12/17/2020) | 64 (12/10/2013) | (18.6 - 64)/(32 - 4) | -1.62143 |
| 55.6 (3/18/2021) | 64 (12/10/2013) | (55.6 - 64)/(33 - 4) | -0.289655 |
| 43.7 (5/5/2021) | 64 (12/10/2013) | (43.7 - 64)/(34 - 4) | -0.676667 |
| 67.4 (9/2/2021) | 64 (12/10/2013) | (67.4 - 64)/(35 - 4) | 0.109677 |
| 2.6 (11/23/2021) | 64 (12/10/2013) | (2.6 - 64)/(36 - 4) | -1.91875 |
| 29.7 (1/10/2022) | 64 (12/10/2013) | (29.7 - 64)/(37 - 4) | -1.03939 |
| 33.8 (4/7/2022) | 64 (12/10/2013) | (33.8 - 64)/(38 - 4) | -0.888235 |
| 30.8 (8/3/2022) | 64 (12/10/2013) | (30.8 - 64)/(39 - 4) | -0.948571 |
| 7.3 (11/16/2022) | 64 (12/10/2013) | (7.3 - 64)/(40 - 4) | -1.575 |
| 38 (2/13/2023) | 64 (12/10/2013) | (38 - 64)/(41 - 4) | -0.702703 |
| 20 (5/24/2023) | 64 (12/10/2013) | (20 - 64)/(42 - 4) | -1.15789 |
| 12.4 (8/7/2023) | 64 (12/10/2013) | (12.4 - 64)/(43 - 4) | -1.32308 |
| 10.9 (12/12/2023) | 64 (12/10/2013) | (10.9 - 64)/(44 - 4) | -1.3275 |
| 220 (1/10/2024) | 64 (12/10/2013) | (220 - 64)/(45 - 4) | 3.80488 |
| 11.6 (5/20/2024) | 64 (12/10/2013) | (11.6 - 64)/(46 - 4) | -1.24762 |
| 12 (9/16/2024) | 64 (12/10/2013) | (12 - 64)/(47 - 4) | -1.2093 |
| 7.8 (12/11/2024) | 64 (12/10/2013) | (7.8 - 64)/(48 - 4) | -1.27727 |
| 36.6 (2/18/2025) | 64 (12/10/2013) | (36.6 - 64)/(49 - 4) | -0.608889 |
| | | | |
| 19 (6/26/2014) | 32 (2/6/2014) | (19 - 32)/(6 - 5) | -13 |
| 14 (9/30/2014) | 32 (2/6/2014) | (14 - 32)/(7 - 5) | -9 |
| 27 (11/19/2014) | 32 (2/6/2014) | (27 - 32)/(8 - 5) | -1.66667 |
| 15 (3/23/2015) | 32 (2/6/2014) | (15 - 32)/(9 - 5) | -4.25 |
| 76 (4/22/2015) | 32 (2/6/2014) | (76 - 32)/(10 - 5) | 8.8 |
| 16.4 (9/30/2015) | 32 (2/6/2014) | (16.4 - 32)/(11 - 5) | -2.6 |
| 74.6 (11/19/2015) | 32 (2/6/2014) | (74.6 - 32)/(12 - 5) | 6.08571 |
| 26.7 (3/15/2016) | 32 (2/6/2014) | (26.7 - 32)/(13 - 5) | -0.6625 |
| 14.5 (6/29/2016) | 32 (2/6/2014) | (14.5 - 32)/(14 - 5) | -1.94444 |
| 18.3 (8/9/2016) | 32 (2/6/2014) | (18.3 - 32)/(15 - 5) | -1.37 |
| 16.9 (12/7/2016) | 32 (2/6/2014) | (16.9 - 32)/(16 - 5) | -1.37273 |
| 44.6 (3/2/2017) | 32 (2/6/2014) | (44.6 - 32)/(17 - 5) | 1.05 |
| 70 (6/21/2017) | 32 (2/6/2014) | (70 - 32)/(18 - 5) | 2.92308 |
| 12 (8/17/2017) | 32 (2/6/2014) | (12 - 32)/(19 - 5) | -1.42857 |
| 9.4 (10/26/2017) | 32 (2/6/2014) | (9.4 - 32)/(20 - 5) | -1.50667 |
| 15.9 (3/27/2018) | 32 (2/6/2014) | (15.9 - 32)/(21 - 5) | -1.00625 |
| 25.2 (6/26/2018) | 32 (2/6/2014) | (25.2 - 32)/(22 - 5) | -0.4 |
| 107 (8/1/2018) | 32 (2/6/2014) | (107 - 32)/(23 - 5) | 4.16667 |
| 46.2 (12/11/2018) | 32 (2/6/2014) | (46.2 - 32)/(24 - 5) | 0.747368 |
| 14.4 (4/17/2019) | 32 (2/6/2014) | (14.4 - 32)/(25 - 5) | -0.88 |
| 15.9 (6/11/2019) | 32 (2/6/2014) | (15.9 - 32)/(26 - 5) | -0.766667 |
| 23.5 (8/28/2019) | 32 (2/6/2014) | (23.5 - 32)/(27 - 5) | -0.386364 |
| 17 (10/28/2019) | 32 (2/6/2014) | (17 - 32)/(28 - 5) | -0.652174 |
| 27.1 (3/31/2020) | 32 (2/6/2014) | (27.1 - 32)/(29 - 5) | -0.204167 |
| 22.8 (6/10/2020) | 32 (2/6/2014) | (22.8 - 32)/(30 - 5) | -0.368 |

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|---|---|---|---|
| 22.8 (6/10/2020) | 32 (2/6/2014) | (22.8 - 32)/(30 - 5) | -0.368 |
| 11.3 (9/21/2020) | 32 (2/6/2014) | (11.3 - 32)/(31 - 5) | -0.796154 |
| 18.6 (12/17/2020) | 32 (2/6/2014) | (18.6 - 32)/(32 - 5) | -0.496296 |
| 55.6 (3/18/2021) | 32 (2/6/2014) | (55.6 - 32)/(33 - 5) | 0.842857 |
| 43.7 (5/5/2021) | 32 (2/6/2014) | (43.7 - 32)/(34 - 5) | 0.403448 |
| 67.4 (9/2/2021) | 32 (2/6/2014) | (67.4 - 32)/(35 - 5) | 1.18 |
| 2.6 (11/23/2021) | 32 (2/6/2014) | (2.6 - 32)/(36 - 5) | -0.948387 |
| 29.7 (1/10/2022) | 32 (2/6/2014) | (29.7 - 32)/(37 - 5) | -0.071875 |
| 33.8 (4/7/2022) | 32 (2/6/2014) | (33.8 - 32)/(38 - 5) | 0.0545455 |
| 30.8 (8/3/2022) | 32 (2/6/2014) | (30.8 - 32)/(39 - 5) | -0.0352941 |
| 7.3 (11/16/2022) | 32 (2/6/2014) | (7.3 - 32)/(40 - 5) | -0.705714 |
| 38 (2/13/2023) | 32 (2/6/2014) | (38 - 32)/(41 - 5) | 0.166667 |
| 20 (5/24/2023) | 32 (2/6/2014) | (20 - 32)/(42 - 5) | -0.324324 |
| 12.4 (8/7/2023) | 32 (2/6/2014) | (12.4 - 32)/(43 - 5) | -0.515789 |
| 10.9 (12/12/2023) | 32 (2/6/2014) | (10.9 - 32)/(44 - 5) | -0.541026 |
| 220 (1/10/2024) | 32 (2/6/2014) | (220 - 32)/(45 - 5) | 4.7 |
| 11.6 (5/20/2024) | 32 (2/6/2014) | (11.6 - 32)/(46 - 5) | -0.497561 |
| 12 (9/16/2024) | 32 (2/6/2014) | (12 - 32)/(47 - 5) | -0.47619 |
| 7.8 (12/11/2024) | 32 (2/6/2014) | (7.8 - 32)/(48 - 5) | -0.562791 |
| 36.6 (2/18/2025) | 32 (2/6/2014) | (36.6 - 32)/(49 - 5) | 0.104545 |
| | | | |
| 14 (9/30/2014) | 19 (6/26/2014) | (14 - 19)/(7 - 6) | -5 |
| 27 (11/19/2014) | 19 (6/26/2014) | (27 - 19)/(8 - 6) | 4 |
| 15 (3/23/2015) | 19 (6/26/2014) | (15 - 19)/(9 - 6) | -1.33333 |
| 76 (4/22/2015) | 19 (6/26/2014) | (76 - 19)/(10 - 6) | 14.25 |
| 16.4 (9/30/2015) | 19 (6/26/2014) | (16.4 - 19)/(11 - 6) | -0.52 |
| 74.6 (11/19/2015) | 19 (6/26/2014) | (74.6 - 19)/(12 - 6) | 9.26667 |
| 26.7 (3/15/2016) | 19 (6/26/2014) | (26.7 - 19)/(13 - 6) | 1.1 |
| 14.5 (6/29/2016) | 19 (6/26/2014) | (14.5 - 19)/(14 - 6) | -0.5625 |
| 18.3 (8/9/2016) | 19 (6/26/2014) | (18.3 - 19)/(15 - 6) | -0.0777778 |
| 16.9 (12/7/2016) | 19 (6/26/2014) | (16.9 - 19)/(16 - 6) | -0.21 |
| 44.6 (3/2/2017) | 19 (6/26/2014) | (44.6 - 19)/(17 - 6) | 2.32727 |
| 70 (6/21/2017) | 19 (6/26/2014) | (70 - 19)/(18 - 6) | 4.25 |
| 12 (8/17/2017) | 19 (6/26/2014) | (12 - 19)/(19 - 6) | -0.538462 |
| 9.4 (10/26/2017) | 19 (6/26/2014) | (9.4 - 19)/(20 - 6) | -0.685714 |
| 15.9 (3/27/2018) | 19 (6/26/2014) | (15.9 - 19)/(21 - 6) | -0.206667 |
| 25.2 (6/26/2018) | 19 (6/26/2014) | (25.2 - 19)/(22 - 6) | 0.3875 |
| 107 (8/1/2018) | 19 (6/26/2014) | (107 - 19)/(23 - 6) | 5.17647 |
| 46.2 (12/11/2018) | 19 (6/26/2014) | (46.2 - 19)/(24 - 6) | 1.51111 |
| 14.4 (4/17/2019) | 19 (6/26/2014) | (14.4 - 19)/(25 - 6) | -0.242105 |
| 15.9 (6/11/2019) | 19 (6/26/2014) | (15.9 - 19)/(26 - 6) | -0.155 |
| 23.5 (8/28/2019) | 19 (6/26/2014) | (23.5 - 19)/(27 - 6) | 0.214286 |
| 17 (10/28/2019) | 19 (6/26/2014) | (17 - 19)/(28 - 6) | -0.0909091 |
| 27.1 (3/31/2020) | 19 (6/26/2014) | (27.1 - 19)/(29 - 6) | 0.352174 |
| 22.8 (6/10/2020) | 19 (6/26/2014) | (22.8 - 19)/(30 - 6) | 0.158333 |
| 22.8 (6/10/2020) | 19 (6/26/2014) | (22.8 - 19)/(30 - 6) | 0.158333 |
| 11.3 (9/21/2020) | 19 (6/26/2014) | (11.3 - 19)/(31 - 6) | -0.308 |
| 18.6 (12/17/2020) | 19 (6/26/2014) | (18.6 - 19)/(32 - 6) | -0.0153846 |
| 55.6 (3/18/2021) | 19 (6/26/2014) | (55.6 - 19)/(33 - 6) | 1.35556 |
| 43.7 (5/5/2021) | 19 (6/26/2014) | (43.7 - 19)/(34 - 6) | 0.882143 |
| 67.4 (9/2/2021) | 19 (6/26/2014) | (67.4 - 19)/(35 - 6) | 1.66897 |
| 2.6 (11/23/2021) | 19 (6/26/2014) | (2.6 - 19)/(36 - 6) | -0.546667 |
| 29.7 (1/10/2022) | 19 (6/26/2014) | (29.7 - 19)/(37 - 6) | 0.345161 |
| 33.8 (4/7/2022) | 19 (6/26/2014) | (33.8 - 19)/(38 - 6) | 0.4625 |
| 30.8 (8/3/2022) | 19 (6/26/2014) | (30.8 - 19)/(39 - 6) | 0.357576 |
| 7.3 (11/16/2022) | 19 (6/26/2014) | (7.3 - 19)/(40 - 6) | -0.344118 |
| 38 (2/13/2023) | 19 (6/26/2014) | (38 - 19)/(41 - 6) | 0.542857 |

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|---|---|---|---|
| 20 (5/24/2023) | 19 (6/26/2014) | (20 - 19)/(42 - 6) | 0.0277778 |
| 12.4 (8/7/2023) | 19 (6/26/2014) | (12.4 - 19)/(43 - 6) | -0.178378 |
| 10.9 (12/12/2023) | 19 (6/26/2014) | (10.9 - 19)/(44 - 6) | -0.213158 |
| 220 (1/10/2024) | 19 (6/26/2014) | (220 - 19)/(45 - 6) | 5.15385 |
| 11.6 (5/20/2024) | 19 (6/26/2014) | (11.6 - 19)/(46 - 6) | -0.185 |
| 12 (9/16/2024) | 19 (6/26/2014) | (12 - 19)/(47 - 6) | -0.170732 |
| 7.8 (12/11/2024) | 19 (6/26/2014) | (7.8 - 19)/(48 - 6) | -0.266667 |
| 36.6 (2/18/2025) | 19 (6/26/2014) | (36.6 - 19)/(49 - 6) | 0.409302 |
| | | | |
| 27 (11/19/2014) | 14 (9/30/2014) | (27 - 14)/(8 - 7) | 13 |
| 15 (3/23/2015) | 14 (9/30/2014) | (15 - 14)/(9 - 7) | 0.5 |
| 76 (4/22/2015) | 14 (9/30/2014) | (76 - 14)/(10 - 7) | 20.6667 |
| 16.4 (9/30/2015) | 14 (9/30/2014) | (16.4 - 14)/(11 - 7) | 0.6 |
| 74.6 (11/19/2015) | 14 (9/30/2014) | (74.6 - 14)/(12 - 7) | 12.12 |
| 26.7 (3/15/2016) | 14 (9/30/2014) | (26.7 - 14)/(13 - 7) | 2.11667 |
| 14.5 (6/29/2016) | 14 (9/30/2014) | (14.5 - 14)/(14 - 7) | 0.0714286 |
| 18.3 (8/9/2016) | 14 (9/30/2014) | (18.3 - 14)/(15 - 7) | 0.5375 |
| 16.9 (12/7/2016) | 14 (9/30/2014) | (16.9 - 14)/(16 - 7) | 0.322222 |
| 44.6 (3/2/2017) | 14 (9/30/2014) | (44.6 - 14)/(17 - 7) | 3.06 |
| 70 (6/21/2017) | 14 (9/30/2014) | (70 - 14)/(18 - 7) | 5.09091 |
| 12 (8/17/2017) | 14 (9/30/2014) | (12 - 14)/(19 - 7) | -0.166667 |
| 9.4 (10/26/2017) | 14 (9/30/2014) | (9.4 - 14)/(20 - 7) | -0.353846 |
| 15.9 (3/27/2018) | 14 (9/30/2014) | (15.9 - 14)/(21 - 7) | 0.135714 |
| 25.2 (6/26/2018) | 14 (9/30/2014) | (25.2 - 14)/(22 - 7) | 0.746667 |
| 107 (8/1/2018) | 14 (9/30/2014) | (107 - 14)/(23 - 7) | 5.8125 |
| 46.2 (12/11/2018) | 14 (9/30/2014) | (46.2 - 14)/(24 - 7) | 1.89412 |
| 14.4 (4/17/2019) | 14 (9/30/2014) | (14.4 - 14)/(25 - 7) | 0.0222222 |
| 15.9 (6/11/2019) | 14 (9/30/2014) | (15.9 - 14)/(26 - 7) | 0.1 |
| 23.5 (8/28/2019) | 14 (9/30/2014) | (23.5 - 14)/(27 - 7) | 0.475 |
| 17 (10/28/2019) | 14 (9/30/2014) | (17 - 14)/(28 - 7) | 0.142857 |
| 27.1 (3/31/2020) | 14 (9/30/2014) | (27.1 - 14)/(29 - 7) | 0.595455 |
| 22.8 (6/10/2020) | 14 (9/30/2014) | (22.8 - 14)/(30 - 7) | 0.382609 |
| 22.8 (6/10/2020) | 14 (9/30/2014) | (22.8 - 14)/(30 - 7) | 0.382609 |
| 11.3 (9/21/2020) | 14 (9/30/2014) | (11.3 - 14)/(31 - 7) | -0.1125 |
| 18.6 (12/17/2020) | 14 (9/30/2014) | (18.6 - 14)/(32 - 7) | 0.184 |
| 55.6 (3/18/2021) | 14 (9/30/2014) | (55.6 - 14)/(33 - 7) | 1.6 |
| 43.7 (5/5/2021) | 14 (9/30/2014) | (43.7 - 14)/(34 - 7) | 1.1 |
| 67.4 (9/2/2021) | 14 (9/30/2014) | (67.4 - 14)/(35 - 7) | 1.90714 |
| 2.6 (11/23/2021) | 14 (9/30/2014) | (2.6 - 14)/(36 - 7) | -0.393103 |
| 29.7 (1/10/2022) | 14 (9/30/2014) | (29.7 - 14)/(37 - 7) | 0.523333 |
| 33.8 (4/7/2022) | 14 (9/30/2014) | (33.8 - 14)/(38 - 7) | 0.63871 |
| 30.8 (8/3/2022) | 14 (9/30/2014) | (30.8 - 14)/(39 - 7) | 0.525 |
| 7.3 (11/16/2022) | 14 (9/30/2014) | (7.3 - 14)/(40 - 7) | -0.20303 |
| 38 (2/13/2023) | 14 (9/30/2014) | (38 - 14)/(41 - 7) | 0.705882 |
| 20 (5/24/2023) | 14 (9/30/2014) | (20 - 14)/(42 - 7) | 0.171429 |
| 12.4 (8/7/2023) | 14 (9/30/2014) | (12.4 - 14)/(43 - 7) | -0.0444444 |
| 10.9 (12/12/2023) | 14 (9/30/2014) | (10.9 - 14)/(44 - 7) | -0.0837838 |
| 220 (1/10/2024) | 14 (9/30/2014) | (220 - 14)/(45 - 7) | 5.42105 |
| 11.6 (5/20/2024) | 14 (9/30/2014) | (11.6 - 14)/(46 - 7) | -0.0615385 |
| 12 (9/16/2024) | 14 (9/30/2014) | (12 - 14)/(47 - 7) | -0.05 |
| 7.8 (12/11/2024) | 14 (9/30/2014) | (7.8 - 14)/(48 - 7) | -0.15122 |
| 36.6 (2/18/2025) | 14 (9/30/2014) | (36.6 - 14)/(49 - 7) | 0.538095 |
| | | | |
| 15 (3/23/2015) | 27 (11/19/2014) | (15 - 27)/(9 - 8) | -12 |
| 76 (4/22/2015) | 27 (11/19/2014) | (76 - 27)/(10 - 8) | 24.5 |
| 16.4 (9/30/2015) | 27 (11/19/2014) | (16.4 - 27)/(11 - 8) | -3.53333 |
| 74.6 (11/19/2015) | 27 (11/19/2014) | (74.6 - 27)/(12 - 8) | 11.9 |

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| 26.7 (3/15/2016) | 27 (11/19/2014) | (26.7 - 27)/(13 - 8) | -0.06 |
| 14.5 (6/29/2016) | 27 (11/19/2014) | (14.5 - 27)/(14 - 8) | -2.08333 |
| 18.3 (8/9/2016) | 27 (11/19/2014) | (18.3 - 27)/(15 - 8) | -1.24286 |
| 16.9 (12/7/2016) | 27 (11/19/2014) | (16.9 - 27)/(16 - 8) | -1.2625 |
| 44.6 (3/2/2017) | 27 (11/19/2014) | (44.6 - 27)/(17 - 8) | 1.95556 |
| 70 (6/21/2017) | 27 (11/19/2014) | (70 - 27)/(18 - 8) | 4.3 |
| 12 (8/17/2017) | 27 (11/19/2014) | (12 - 27)/(19 - 8) | -1.36364 |
| 9.4 (10/26/2017) | 27 (11/19/2014) | (9.4 - 27)/(20 - 8) | -1.46667 |
| 15.9 (3/27/2018) | 27 (11/19/2014) | (15.9 - 27)/(21 - 8) | -0.853846 |
| 25.2 (6/26/2018) | 27 (11/19/2014) | (25.2 - 27)/(22 - 8) | -0.128571 |
| 107 (8/1/2018) | 27 (11/19/2014) | (107 - 27)/(23 - 8) | 5.33333 |
| 46.2 (12/11/2018) | 27 (11/19/2014) | (46.2 - 27)/(24 - 8) | 1.2 |
| 14.4 (4/17/2019) | 27 (11/19/2014) | (14.4 - 27)/(25 - 8) | -0.741176 |
| 15.9 (6/11/2019) | 27 (11/19/2014) | (15.9 - 27)/(26 - 8) | -0.616667 |
| 23.5 (8/28/2019) | 27 (11/19/2014) | (23.5 - 27)/(27 - 8) | -0.184211 |
| 17 (10/28/2019) | 27 (11/19/2014) | (17 - 27)/(28 - 8) | -0.5 |
| 27.1 (3/31/2020) | 27 (11/19/2014) | (27.1 - 27)/(29 - 8) | 0.0047619 |
| 22.8 (6/10/2020) | 27 (11/19/2014) | (22.8 - 27)/(30 - 8) | -0.190909 |
| 22.8 (6/10/2020) | 27 (11/19/2014) | (22.8 - 27)/(30 - 8) | -0.190909 |
| 11.3 (9/21/2020) | 27 (11/19/2014) | (11.3 - 27)/(31 - 8) | -0.682609 |
| 18.6 (12/17/2020) | 27 (11/19/2014) | (18.6 - 27)/(32 - 8) | -0.35 |
| 55.6 (3/18/2021) | 27 (11/19/2014) | (55.6 - 27)/(33 - 8) | 1.144 |
| 43.7 (5/5/2021) | 27 (11/19/2014) | (43.7 - 27)/(34 - 8) | 0.642308 |
| 67.4 (9/2/2021) | 27 (11/19/2014) | (67.4 - 27)/(35 - 8) | 1.4963 |
| 2.6 (11/23/2021) | 27 (11/19/2014) | (2.6 - 27)/(36 - 8) | -0.871429 |
| 29.7 (1/10/2022) | 27 (11/19/2014) | (29.7 - 27)/(37 - 8) | 0.0931034 |
| 33.8 (4/7/2022) | 27 (11/19/2014) | (33.8 - 27)/(38 - 8) | 0.226667 |
| 30.8 (8/3/2022) | 27 (11/19/2014) | (30.8 - 27)/(39 - 8) | 0.122581 |
| 7.3 (11/16/2022) | 27 (11/19/2014) | (7.3 - 27)/(40 - 8) | -0.615625 |
| 38 (2/13/2023) | 27 (11/19/2014) | (38 - 27)/(41 - 8) | 0.333333 |
| 20 (5/24/2023) | 27 (11/19/2014) | (20 - 27)/(42 - 8) | -0.205882 |
| 12.4 (8/7/2023) | 27 (11/19/2014) | (12.4 - 27)/(43 - 8) | -0.417143 |
| 10.9 (12/12/2023) | 27 (11/19/2014) | (10.9 - 27)/(44 - 8) | -0.447222 |
| 220 (1/10/2024) | 27 (11/19/2014) | (220 - 27)/(45 - 8) | 5.21622 |
| 11.6 (5/20/2024) | 27 (11/19/2014) | (11.6 - 27)/(46 - 8) | -0.405263 |
| 12 (9/16/2024) | 27 (11/19/2014) | (12 - 27)/(47 - 8) | -0.384615 |
| 7.8 (12/11/2024) | 27 (11/19/2014) | (7.8 - 27)/(48 - 8) | -0.48 |
| 36.6 (2/18/2025) | 27 (11/19/2014) | (36.6 - 27)/(49 - 8) | 0.234146 |
| | | | |
| 76 (4/22/2015) | 15 (3/23/2015) | (76 - 15)/(10 - 9) | 61 |
| 16.4 (9/30/2015) | 15 (3/23/2015) | (16.4 - 15)/(11 - 9) | 0.7 |
| 74.6 (11/19/2015) | 15 (3/23/2015) | (74.6 - 15)/(12 - 9) | 19.8667 |
| 26.7 (3/15/2016) | 15 (3/23/2015) | (26.7 - 15)/(13 - 9) | 2.925 |
| 14.5 (6/29/2016) | 15 (3/23/2015) | (14.5 - 15)/(14 - 9) | -0.1 |
| 18.3 (8/9/2016) | 15 (3/23/2015) | (18.3 - 15)/(15 - 9) | 0.55 |
| 16.9 (12/7/2016) | 15 (3/23/2015) | (16.9 - 15)/(16 - 9) | 0.271429 |
| 44.6 (3/2/2017) | 15 (3/23/2015) | (44.6 - 15)/(17 - 9) | 3.7 |
| 70 (6/21/2017) | 15 (3/23/2015) | (70 - 15)/(18 - 9) | 6.11111 |
| 12 (8/17/2017) | 15 (3/23/2015) | (12 - 15)/(19 - 9) | -0.3 |
| 9.4 (10/26/2017) | 15 (3/23/2015) | (9.4 - 15)/(20 - 9) | -0.509091 |
| 15.9 (3/27/2018) | 15 (3/23/2015) | (15.9 - 15)/(21 - 9) | 0.075 |
| 25.2 (6/26/2018) | 15 (3/23/2015) | (25.2 - 15)/(22 - 9) | 0.784615 |
| 107 (8/1/2018) | 15 (3/23/2015) | (107 - 15)/(23 - 9) | 6.57143 |
| 46.2 (12/11/2018) | 15 (3/23/2015) | (46.2 - 15)/(24 - 9) | 2.08 |
| 14.4 (4/17/2019) | 15 (3/23/2015) | (14.4 - 15)/(25 - 9) | -0.0375 |
| 15.9 (6/11/2019) | 15 (3/23/2015) | (15.9 - 15)/(26 - 9) | 0.0529412 |
| 23.5 (8/28/2019) | 15 (3/23/2015) | (23.5 - 15)/(27 - 9) | 0.472222 |

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|---|---|---|---|
| 17 (10/28/2019) | 15 (3/23/2015) | (17 - 15)/(28 - 9) | 0.105263 |
| 27.1 (3/31/2020) | 15 (3/23/2015) | (27.1 - 15)/(29 - 9) | 0.605 |
| 22.8 (6/10/2020) | 15 (3/23/2015) | (22.8 - 15)/(30 - 9) | 0.371429 |
| 22.8 (6/10/2020) | 15 (3/23/2015) | (22.8 - 15)/(30 - 9) | 0.371429 |
| 11.3 (9/21/2020) | 15 (3/23/2015) | (11.3 - 15)/(31 - 9) | -0.168182 |
| 18.6 (12/17/2020) | 15 (3/23/2015) | (18.6 - 15)/(32 - 9) | 0.156522 |
| 55.6 (3/18/2021) | 15 (3/23/2015) | (55.6 - 15)/(33 - 9) | 1.69167 |
| 43.7 (5/5/2021) | 15 (3/23/2015) | (43.7 - 15)/(34 - 9) | 1.148 |
| 67.4 (9/2/2021) | 15 (3/23/2015) | (67.4 - 15)/(35 - 9) | 2.01538 |
| 2.6 (11/23/2021) | 15 (3/23/2015) | (2.6 - 15)/(36 - 9) | -0.459259 |
| 29.7 (1/10/2022) | 15 (3/23/2015) | (29.7 - 15)/(37 - 9) | 0.525 |
| 33.8 (4/7/2022) | 15 (3/23/2015) | (33.8 - 15)/(38 - 9) | 0.648276 |
| 30.8 (8/3/2022) | 15 (3/23/2015) | (30.8 - 15)/(39 - 9) | 0.526667 |
| 7.3 (11/16/2022) | 15 (3/23/2015) | (7.3 - 15)/(40 - 9) | -0.248387 |
| 38 (2/13/2023) | 15 (3/23/2015) | (38 - 15)/(41 - 9) | 0.71875 |
| 20 (5/24/2023) | 15 (3/23/2015) | (20 - 15)/(42 - 9) | 0.151515 |
| 12.4 (8/7/2023) | 15 (3/23/2015) | (12.4 - 15)/(43 - 9) | -0.0764706 |
| 10.9 (12/12/2023) | 15 (3/23/2015) | (10.9 - 15)/(44 - 9) | -0.117143 |
| 220 (1/10/2024) | 15 (3/23/2015) | (220 - 15)/(45 - 9) | 5.69444 |
| 11.6 (5/20/2024) | 15 (3/23/2015) | (11.6 - 15)/(46 - 9) | -0.0918919 |
| 12 (9/16/2024) | 15 (3/23/2015) | (12 - 15)/(47 - 9) | -0.0789474 |
| 7.8 (12/11/2024) | 15 (3/23/2015) | (7.8 - 15)/(48 - 9) | -0.184615 |
| 36.6 (2/18/2025) | 15 (3/23/2015) | (36.6 - 15)/(49 - 9) | 0.54 |
| | | | |
| 16.4 (9/30/2015) | 76 (4/22/2015) | (16.4 - 76)/(11 - 10) | -59.6 |
| 74.6 (11/19/2015) | 76 (4/22/2015) | (74.6 - 76)/(12 - 10) | -0.7 |
| 26.7 (3/15/2016) | 76 (4/22/2015) | (26.7 - 76)/(13 - 10) | -16.4333 |
| 14.5 (6/29/2016) | 76 (4/22/2015) | (14.5 - 76)/(14 - 10) | -15.375 |
| 18.3 (8/9/2016) | 76 (4/22/2015) | (18.3 - 76)/(15 - 10) | -11.54 |
| 16.9 (12/7/2016) | 76 (4/22/2015) | (16.9 - 76)/(16 - 10) | -9.85 |
| 44.6 (3/2/2017) | 76 (4/22/2015) | (44.6 - 76)/(17 - 10) | -4.48571 |
| 70 (6/21/2017) | 76 (4/22/2015) | (70 - 76)/(18 - 10) | -0.75 |
| 12 (8/17/2017) | 76 (4/22/2015) | (12 - 76)/(19 - 10) | -7.11111 |
| 9.4 (10/26/2017) | 76 (4/22/2015) | (9.4 - 76)/(20 - 10) | -6.66 |
| 15.9 (3/27/2018) | 76 (4/22/2015) | (15.9 - 76)/(21 - 10) | -5.46364 |
| 25.2 (6/26/2018) | 76 (4/22/2015) | (25.2 - 76)/(22 - 10) | -4.23333 |
| 107 (8/1/2018) | 76 (4/22/2015) | (107 - 76)/(23 - 10) | 2.38462 |
| 46.2 (12/11/2018) | 76 (4/22/2015) | (46.2 - 76)/(24 - 10) | -2.12857 |
| 14.4 (4/17/2019) | 76 (4/22/2015) | (14.4 - 76)/(25 - 10) | -4.10667 |
| 15.9 (6/11/2019) | 76 (4/22/2015) | (15.9 - 76)/(26 - 10) | -3.75625 |
| 23.5 (8/28/2019) | 76 (4/22/2015) | (23.5 - 76)/(27 - 10) | -3.08824 |
| 17 (10/28/2019) | 76 (4/22/2015) | (17 - 76)/(28 - 10) | -3.27778 |
| 27.1 (3/31/2020) | 76 (4/22/2015) | (27.1 - 76)/(29 - 10) | -2.57368 |
| 22.8 (6/10/2020) | 76 (4/22/2015) | (22.8 - 76)/(30 - 10) | -2.66 |
| 22.8 (6/10/2020) | 76 (4/22/2015) | (22.8 - 76)/(30 - 10) | -2.66 |
| 11.3 (9/21/2020) | 76 (4/22/2015) | (11.3 - 76)/(31 - 10) | -3.08095 |
| 18.6 (12/17/2020) | 76 (4/22/2015) | (18.6 - 76)/(32 - 10) | -2.60909 |
| 55.6 (3/18/2021) | 76 (4/22/2015) | (55.6 - 76)/(33 - 10) | -0.886957 |
| 43.7 (5/5/2021) | 76 (4/22/2015) | (43.7 - 76)/(34 - 10) | -1.34583 |
| 67.4 (9/2/2021) | 76 (4/22/2015) | (67.4 - 76)/(35 - 10) | -0.344 |
| 2.6 (11/23/2021) | 76 (4/22/2015) | (2.6 - 76)/(36 - 10) | -2.82308 |
| 29.7 (1/10/2022) | 76 (4/22/2015) | (29.7 - 76)/(37 - 10) | -1.71481 |
| 33.8 (4/7/2022) | 76 (4/22/2015) | (33.8 - 76)/(38 - 10) | -1.50714 |
| 30.8 (8/3/2022) | 76 (4/22/2015) | (30.8 - 76)/(39 - 10) | -1.55862 |
| 7.3 (11/16/2022) | 76 (4/22/2015) | (7.3 - 76)/(40 - 10) | -2.29 |
| 38 (2/13/2023) | 76 (4/22/2015) | (38 - 76)/(41 - 10) | -1.22581 |
| 20 (5/24/2023) | 76 (4/22/2015) | (20 - 76)/(42 - 10) | -1.75 |

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|---|---|---|---|
| 12.4 (8/7/2023) | 76 (4/22/2015) | (12.4 - 76)/(43 - 10) | -1.92727 |
| 10.9 (12/12/2023) | 76 (4/22/2015) | (10.9 - 76)/(44 - 10) | -1.91471 |
| 220 (1/10/2024) | 76 (4/22/2015) | (220 - 76)/(45 - 10) | 4.11429 |
| 11.6 (5/20/2024) | 76 (4/22/2015) | (11.6 - 76)/(46 - 10) | -1.78889 |
| 12 (9/16/2024) | 76 (4/22/2015) | (12 - 76)/(47 - 10) | -1.72973 |
| 7.8 (12/11/2024) | 76 (4/22/2015) | (7.8 - 76)/(48 - 10) | -1.79474 |
| 36.6 (2/18/2025) | 76 (4/22/2015) | (36.6 - 76)/(49 - 10) | -1.01026 |
| | | | |
| 74.6 (11/19/2015) | 16.4 (9/30/2015) | (74.6 - 16.4)/(12 - 11) | 58.2 |
| 26.7 (3/15/2016) | 16.4 (9/30/2015) | (26.7 - 16.4)/(13 - 11) | 5.15 |
| 14.5 (6/29/2016) | 16.4 (9/30/2015) | (14.5 - 16.4)/(14 - 11) | -0.633333 |
| 18.3 (8/9/2016) | 16.4 (9/30/2015) | (18.3 - 16.4)/(15 - 11) | 0.475 |
| 16.9 (12/7/2016) | 16.4 (9/30/2015) | (16.9 - 16.4)/(16 - 11) | 0.1 |
| 44.6 (3/2/2017) | 16.4 (9/30/2015) | (44.6 - 16.4)/(17 - 11) | 4.7 |
| 70 (6/21/2017) | 16.4 (9/30/2015) | (70 - 16.4)/(18 - 11) | 7.65714 |
| 12 (8/17/2017) | 16.4 (9/30/2015) | (12 - 16.4)/(19 - 11) | -0.55 |
| 9.4 (10/26/2017) | 16.4 (9/30/2015) | (9.4 - 16.4)/(20 - 11) | -0.777778 |
| 15.9 (3/27/2018) | 16.4 (9/30/2015) | (15.9 - 16.4)/(21 - 11) | -0.05 |
| 25.2 (6/26/2018) | 16.4 (9/30/2015) | (25.2 - 16.4)/(22 - 11) | 0.8 |
| 107 (8/1/2018) | 16.4 (9/30/2015) | (107 - 16.4)/(23 - 11) | 7.55 |
| 46.2 (12/11/2018) | 16.4 (9/30/2015) | (46.2 - 16.4)/(24 - 11) | 2.29231 |
| 14.4 (4/17/2019) | 16.4 (9/30/2015) | (14.4 - 16.4)/(25 - 11) | -0.142857 |
| 15.9 (6/11/2019) | 16.4 (9/30/2015) | (15.9 - 16.4)/(26 - 11) | -0.0333333 |
| 23.5 (8/28/2019) | 16.4 (9/30/2015) | (23.5 - 16.4)/(27 - 11) | 0.44375 |
| 17 (10/28/2019) | 16.4 (9/30/2015) | (17 - 16.4)/(28 - 11) | 0.0352941 |
| 27.1 (3/31/2020) | 16.4 (9/30/2015) | (27.1 - 16.4)/(29 - 11) | 0.594444 |
| 22.8 (6/10/2020) | 16.4 (9/30/2015) | (22.8 - 16.4)/(30 - 11) | 0.336842 |
| 22.8 (6/10/2020) | 16.4 (9/30/2015) | (22.8 - 16.4)/(30 - 11) | 0.336842 |
| 11.3 (9/21/2020) | 16.4 (9/30/2015) | (11.3 - 16.4)/(31 - 11) | -0.255 |
| 18.6 (12/17/2020) | 16.4 (9/30/2015) | (18.6 - 16.4)/(32 - 11) | 0.104762 |
| 55.6 (3/18/2021) | 16.4 (9/30/2015) | (55.6 - 16.4)/(33 - 11) | 1.78182 |
| 43.7 (5/5/2021) | 16.4 (9/30/2015) | (43.7 - 16.4)/(34 - 11) | 1.18696 |
| 67.4 (9/2/2021) | 16.4 (9/30/2015) | (67.4 - 16.4)/(35 - 11) | 2.125 |
| 2.6 (11/23/2021) | 16.4 (9/30/2015) | (2.6 - 16.4)/(36 - 11) | -0.552 |
| 29.7 (1/10/2022) | 16.4 (9/30/2015) | (29.7 - 16.4)/(37 - 11) | 0.511538 |
| 33.8 (4/7/2022) | 16.4 (9/30/2015) | (33.8 - 16.4)/(38 - 11) | 0.644444 |
| 30.8 (8/3/2022) | 16.4 (9/30/2015) | (30.8 - 16.4)/(39 - 11) | 0.514286 |
| 7.3 (11/16/2022) | 16.4 (9/30/2015) | (7.3 - 16.4)/(40 - 11) | -0.313793 |
| 38 (2/13/2023) | 16.4 (9/30/2015) | (38 - 16.4)/(41 - 11) | 0.72 |
| 20 (5/24/2023) | 16.4 (9/30/2015) | (20 - 16.4)/(42 - 11) | 0.116129 |
| 12.4 (8/7/2023) | 16.4 (9/30/2015) | (12.4 - 16.4)/(43 - 11) | -0.125 |
| 10.9 (12/12/2023) | 16.4 (9/30/2015) | (10.9 - 16.4)/(44 - 11) | -0.166667 |
| 220 (1/10/2024) | 16.4 (9/30/2015) | (220 - 16.4)/(45 - 11) | 5.98824 |
| 11.6 (5/20/2024) | 16.4 (9/30/2015) | (11.6 - 16.4)/(46 - 11) | -0.137143 |
| 12 (9/16/2024) | 16.4 (9/30/2015) | (12 - 16.4)/(47 - 11) | -0.122222 |
| 7.8 (12/11/2024) | 16.4 (9/30/2015) | (7.8 - 16.4)/(48 - 11) | -0.232432 |
| 36.6 (2/18/2025) | 16.4 (9/30/2015) | (36.6 - 16.4)/(49 - 11) | 0.531579 |
| | | | |
| 26.7 (3/15/2016) | 74.6 (11/19/2015) | (26.7 - 74.6)/(13 - 12) | -47.9 |
| 14.5 (6/29/2016) | 74.6 (11/19/2015) | (14.5 - 74.6)/(14 - 12) | -30.05 |
| 18.3 (8/9/2016) | 74.6 (11/19/2015) | (18.3 - 74.6)/(15 - 12) | -18.7667 |
| 16.9 (12/7/2016) | 74.6 (11/19/2015) | (16.9 - 74.6)/(16 - 12) | -14.425 |
| 44.6 (3/2/2017) | 74.6 (11/19/2015) | (44.6 - 74.6)/(17 - 12) | -6 |
| 70 (6/21/2017) | 74.6 (11/19/2015) | (70 - 74.6)/(18 - 12) | -0.766667 |
| 12 (8/17/2017) | 74.6 (11/19/2015) | (12 - 74.6)/(19 - 12) | -8.94286 |
| 9.4 (10/26/2017) | 74.6 (11/19/2015) | (9.4 - 74.6)/(20 - 12) | -8.15 |
| 15.9 (3/27/2018) | 74.6 (11/19/2015) | (15.9 - 74.6)/(21 - 12) | -6.52222 |

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|---|---|---|---|
| 25.2 (6/26/2018) | 74.6 (11/19/2015) | (25.2 - 74.6)/(22 - 12) | -4.94 |
| 107 (8/1/2018) | 74.6 (11/19/2015) | (107 - 74.6)/(23 - 12) | 2.94545 |
| 46.2 (12/11/2018) | 74.6 (11/19/2015) | (46.2 - 74.6)/(24 - 12) | -2.36667 |
| 14.4 (4/17/2019) | 74.6 (11/19/2015) | (14.4 - 74.6)/(25 - 12) | -4.63077 |
| 15.9 (6/11/2019) | 74.6 (11/19/2015) | (15.9 - 74.6)/(26 - 12) | -4.19286 |
| 23.5 (8/28/2019) | 74.6 (11/19/2015) | (23.5 - 74.6)/(27 - 12) | -3.40667 |
| 17 (10/28/2019) | 74.6 (11/19/2015) | (17 - 74.6)/(28 - 12) | -3.6 |
| 27.1 (3/31/2020) | 74.6 (11/19/2015) | (27.1 - 74.6)/(29 - 12) | -2.79412 |
| 22.8 (6/10/2020) | 74.6 (11/19/2015) | (22.8 - 74.6)/(30 - 12) | -2.87778 |
| 22.8 (6/10/2020) | 74.6 (11/19/2015) | (22.8 - 74.6)/(30 - 12) | -2.87778 |
| 11.3 (9/21/2020) | 74.6 (11/19/2015) | (11.3 - 74.6)/(31 - 12) | -3.33158 |
| 18.6 (12/17/2020) | 74.6 (11/19/2015) | (18.6 - 74.6)/(32 - 12) | -2.8 |
| 55.6 (3/18/2021) | 74.6 (11/19/2015) | (55.6 - 74.6)/(33 - 12) | -0.904762 |
| 43.7 (5/5/2021) | 74.6 (11/19/2015) | (43.7 - 74.6)/(34 - 12) | -1.40455 |
| 67.4 (9/2/2021) | 74.6 (11/19/2015) | (67.4 - 74.6)/(35 - 12) | -0.313043 |
| 2.6 (11/23/2021) | 74.6 (11/19/2015) | (2.6 - 74.6)/(36 - 12) | -3 |
| 29.7 (1/10/2022) | 74.6 (11/19/2015) | (29.7 - 74.6)/(37 - 12) | -1.796 |
| 33.8 (4/7/2022) | 74.6 (11/19/2015) | (33.8 - 74.6)/(38 - 12) | -1.56923 |
| 30.8 (8/3/2022) | 74.6 (11/19/2015) | (30.8 - 74.6)/(39 - 12) | -1.62222 |
| 7.3 (11/16/2022) | 74.6 (11/19/2015) | (7.3 - 74.6)/(40 - 12) | -2.40357 |
| 38 (2/13/2023) | 74.6 (11/19/2015) | (38 - 74.6)/(41 - 12) | -1.26207 |
| 20 (5/24/2023) | 74.6 (11/19/2015) | (20 - 74.6)/(42 - 12) | -1.82 |
| 12.4 (8/7/2023) | 74.6 (11/19/2015) | (12.4 - 74.6)/(43 - 12) | -2.00645 |
| 10.9 (12/12/2023) | 74.6 (11/19/2015) | (10.9 - 74.6)/(44 - 12) | -1.99062 |
| 220 (1/10/2024) | 74.6 (11/19/2015) | (220 - 74.6)/(45 - 12) | 4.40606 |
| 11.6 (5/20/2024) | 74.6 (11/19/2015) | (11.6 - 74.6)/(46 - 12) | -1.85294 |
| 12 (9/16/2024) | 74.6 (11/19/2015) | (12 - 74.6)/(47 - 12) | -1.78857 |
| 7.8 (12/11/2024) | 74.6 (11/19/2015) | (7.8 - 74.6)/(48 - 12) | -1.85556 |
| 36.6 (2/18/2025) | 74.6 (11/19/2015) | (36.6 - 74.6)/(49 - 12) | -1.02703 |
| | | | |
| 14.5 (6/29/2016) | 26.7 (3/15/2016) | (14.5 - 26.7)/(14 - 13) | -12.2 |
| 18.3 (8/9/2016) | 26.7 (3/15/2016) | (18.3 - 26.7)/(15 - 13) | -4.2 |
| 16.9 (12/7/2016) | 26.7 (3/15/2016) | (16.9 - 26.7)/(16 - 13) | -3.26667 |
| 44.6 (3/2/2017) | 26.7 (3/15/2016) | (44.6 - 26.7)/(17 - 13) | 4.475 |
| 70 (6/21/2017) | 26.7 (3/15/2016) | (70 - 26.7)/(18 - 13) | 8.66 |
| 12 (8/17/2017) | 26.7 (3/15/2016) | (12 - 26.7)/(19 - 13) | -2.45 |
| 9.4 (10/26/2017) | 26.7 (3/15/2016) | (9.4 - 26.7)/(20 - 13) | -2.47143 |
| 15.9 (3/27/2018) | 26.7 (3/15/2016) | (15.9 - 26.7)/(21 - 13) | -1.35 |
| 25.2 (6/26/2018) | 26.7 (3/15/2016) | (25.2 - 26.7)/(22 - 13) | -0.166667 |
| 107 (8/1/2018) | 26.7 (3/15/2016) | (107 - 26.7)/(23 - 13) | 8.03 |
| 46.2 (12/11/2018) | 26.7 (3/15/2016) | (46.2 - 26.7)/(24 - 13) | 1.77273 |
| 14.4 (4/17/2019) | 26.7 (3/15/2016) | (14.4 - 26.7)/(25 - 13) | -1.025 |
| 15.9 (6/11/2019) | 26.7 (3/15/2016) | (15.9 - 26.7)/(26 - 13) | -0.830769 |
| 23.5 (8/28/2019) | 26.7 (3/15/2016) | (23.5 - 26.7)/(27 - 13) | -0.228571 |
| 17 (10/28/2019) | 26.7 (3/15/2016) | (17 - 26.7)/(28 - 13) | -0.646667 |
| 27.1 (3/31/2020) | 26.7 (3/15/2016) | (27.1 - 26.7)/(29 - 13) | 0.025 |
| 22.8 (6/10/2020) | 26.7 (3/15/2016) | (22.8 - 26.7)/(30 - 13) | -0.229412 |
| 22.8 (6/10/2020) | 26.7 (3/15/2016) | (22.8 - 26.7)/(30 - 13) | -0.229412 |
| 11.3 (9/21/2020) | 26.7 (3/15/2016) | (11.3 - 26.7)/(31 - 13) | -0.855556 |
| 18.6 (12/17/2020) | 26.7 (3/15/2016) | (18.6 - 26.7)/(32 - 13) | -0.426316 |
| 55.6 (3/18/2021) | 26.7 (3/15/2016) | (55.6 - 26.7)/(33 - 13) | 1.445 |
| 43.7 (5/5/2021) | 26.7 (3/15/2016) | (43.7 - 26.7)/(34 - 13) | 0.809524 |
| 67.4 (9/2/2021) | 26.7 (3/15/2016) | (67.4 - 26.7)/(35 - 13) | 1.85 |
| 2.6 (11/23/2021) | 26.7 (3/15/2016) | (2.6 - 26.7)/(36 - 13) | -1.04783 |
| 29.7 (1/10/2022) | 26.7 (3/15/2016) | (29.7 - 26.7)/(37 - 13) | 0.125 |
| 33.8 (4/7/2022) | 26.7 (3/15/2016) | (33.8 - 26.7)/(38 - 13) | 0.284 |
| 30.8 (8/3/2022) | 26.7 (3/15/2016) | (30.8 - 26.7)/(39 - 13) | 0.157692 |

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| 7.3 (11/16/2022) | 26.7 (3/15/2016) | (7.3 - 26.7)/(40 - 13) | -0.718519 |
| 38 (2/13/2023) | 26.7 (3/15/2016) | (38 - 26.7)/(41 - 13) | 0.403571 |
| 20 (5/24/2023) | 26.7 (3/15/2016) | (20 - 26.7)/(42 - 13) | -0.231034 |
| 12.4 (8/7/2023) | 26.7 (3/15/2016) | (12.4 - 26.7)/(43 - 13) | -0.476667 |
| 10.9 (12/12/2023) | 26.7 (3/15/2016) | (10.9 - 26.7)/(44 - 13) | -0.509677 |
| 220 (1/10/2024) | 26.7 (3/15/2016) | (220 - 26.7)/(45 - 13) | 6.04063 |
| 11.6 (5/20/2024) | 26.7 (3/15/2016) | (11.6 - 26.7)/(46 - 13) | -0.457576 |
| 12 (9/16/2024) | 26.7 (3/15/2016) | (12 - 26.7)/(47 - 13) | -0.432353 |
| 7.8 (12/11/2024) | 26.7 (3/15/2016) | (7.8 - 26.7)/(48 - 13) | -0.54 |
| 36.6 (2/18/2025) | 26.7 (3/15/2016) | (36.6 - 26.7)/(49 - 13) | 0.275 |
| | | | |
| 18.3 (8/9/2016) | 14.5 (6/29/2016) | (18.3 - 14.5)/(15 - 14) | 3.8 |
| 16.9 (12/7/2016) | 14.5 (6/29/2016) | (16.9 - 14.5)/(16 - 14) | 1.2 |
| 44.6 (3/2/2017) | 14.5 (6/29/2016) | (44.6 - 14.5)/(17 - 14) | 10.0333 |
| 70 (6/21/2017) | 14.5 (6/29/2016) | (70 - 14.5)/(18 - 14) | 13.875 |
| 12 (8/17/2017) | 14.5 (6/29/2016) | (12 - 14.5)/(19 - 14) | -0.5 |
| 9.4 (10/26/2017) | 14.5 (6/29/2016) | (9.4 - 14.5)/(20 - 14) | -0.85 |
| 15.9 (3/27/2018) | 14.5 (6/29/2016) | (15.9 - 14.5)/(21 - 14) | 0.2 |
| 25.2 (6/26/2018) | 14.5 (6/29/2016) | (25.2 - 14.5)/(22 - 14) | 1.3375 |
| 107 (8/1/2018) | 14.5 (6/29/2016) | (107 - 14.5)/(23 - 14) | 10.2778 |
| 46.2 (12/11/2018) | 14.5 (6/29/2016) | (46.2 - 14.5)/(24 - 14) | 3.17 |
| 14.4 (4/17/2019) | 14.5 (6/29/2016) | (14.4 - 14.5)/(25 - 14) | -0.00909091 |
| 15.9 (6/11/2019) | 14.5 (6/29/2016) | (15.9 - 14.5)/(26 - 14) | 0.116667 |
| 23.5 (8/28/2019) | 14.5 (6/29/2016) | (23.5 - 14.5)/(27 - 14) | 0.692308 |
| 17 (10/28/2019) | 14.5 (6/29/2016) | (17 - 14.5)/(28 - 14) | 0.178571 |
| 27.1 (3/31/2020) | 14.5 (6/29/2016) | (27.1 - 14.5)/(29 - 14) | 0.84 |
| 22.8 (6/10/2020) | 14.5 (6/29/2016) | (22.8 - 14.5)/(30 - 14) | 0.51875 |
| 22.8 (6/10/2020) | 14.5 (6/29/2016) | (22.8 - 14.5)/(30 - 14) | 0.51875 |
| 11.3 (9/21/2020) | 14.5 (6/29/2016) | (11.3 - 14.5)/(31 - 14) | -0.188235 |
| 18.6 (12/17/2020) | 14.5 (6/29/2016) | (18.6 - 14.5)/(32 - 14) | 0.227778 |
| 55.6 (3/18/2021) | 14.5 (6/29/2016) | (55.6 - 14.5)/(33 - 14) | 2.16316 |
| 43.7 (5/5/2021) | 14.5 (6/29/2016) | (43.7 - 14.5)/(34 - 14) | 1.46 |
| 67.4 (9/2/2021) | 14.5 (6/29/2016) | (67.4 - 14.5)/(35 - 14) | 2.51905 |
| 2.6 (11/23/2021) | 14.5 (6/29/2016) | (2.6 - 14.5)/(36 - 14) | -0.540909 |
| 29.7 (1/10/2022) | 14.5 (6/29/2016) | (29.7 - 14.5)/(37 - 14) | 0.66087 |
| 33.8 (4/7/2022) | 14.5 (6/29/2016) | (33.8 - 14.5)/(38 - 14) | 0.804167 |
| 30.8 (8/3/2022) | 14.5 (6/29/2016) | (30.8 - 14.5)/(39 - 14) | 0.652 |
| 7.3 (11/16/2022) | 14.5 (6/29/2016) | (7.3 - 14.5)/(40 - 14) | -0.276923 |
| 38 (2/13/2023) | 14.5 (6/29/2016) | (38 - 14.5)/(41 - 14) | 0.87037 |
| 20 (5/24/2023) | 14.5 (6/29/2016) | (20 - 14.5)/(42 - 14) | 0.196429 |
| 12.4 (8/7/2023) | 14.5 (6/29/2016) | (12.4 - 14.5)/(43 - 14) | -0.0724138 |
| 10.9 (12/12/2023) | 14.5 (6/29/2016) | (10.9 - 14.5)/(44 - 14) | -0.12 |
| 220 (1/10/2024) | 14.5 (6/29/2016) | (220 - 14.5)/(45 - 14) | 6.62903 |
| 11.6 (5/20/2024) | 14.5 (6/29/2016) | (11.6 - 14.5)/(46 - 14) | -0.090625 |
| 12 (9/16/2024) | 14.5 (6/29/2016) | (12 - 14.5)/(47 - 14) | -0.0757576 |
| 7.8 (12/11/2024) | 14.5 (6/29/2016) | (7.8 - 14.5)/(48 - 14) | -0.197059 |
| 36.6 (2/18/2025) | 14.5 (6/29/2016) | (36.6 - 14.5)/(49 - 14) | 0.631429 |
| | | | |
| 16.9 (12/7/2016) | 18.3 (8/9/2016) | (16.9 - 18.3)/(16 - 15) | -1.4 |
| 44.6 (3/2/2017) | 18.3 (8/9/2016) | (44.6 - 18.3)/(17 - 15) | 13.15 |
| 70 (6/21/2017) | 18.3 (8/9/2016) | (70 - 18.3)/(18 - 15) | 17.2333 |
| 12 (8/17/2017) | 18.3 (8/9/2016) | (12 - 18.3)/(19 - 15) | -1.575 |
| 9.4 (10/26/2017) | 18.3 (8/9/2016) | (9.4 - 18.3)/(20 - 15) | -1.78 |
| 15.9 (3/27/2018) | 18.3 (8/9/2016) | (15.9 - 18.3)/(21 - 15) | -0.4 |
| 25.2 (6/26/2018) | 18.3 (8/9/2016) | (25.2 - 18.3)/(22 - 15) | 0.985714 |
| 107 (8/1/2018) | 18.3 (8/9/2016) | (107 - 18.3)/(23 - 15) | 11.0875 |
| 46.2 (12/11/2018) | 18.3 (8/9/2016) | (46.2 - 18.3)/(24 - 15) | 3.1 |

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| 14.4 (4/17/2019) | 18.3 (8/9/2016) | (14.4 - 18.3)/(25 - 15) | -0.39 |
| 15.9 (6/11/2019) | 18.3 (8/9/2016) | (15.9 - 18.3)/(26 - 15) | -0.218182 |
| 23.5 (8/28/2019) | 18.3 (8/9/2016) | (23.5 - 18.3)/(27 - 15) | 0.433333 |
| 17 (10/28/2019) | 18.3 (8/9/2016) | (17 - 18.3)/(28 - 15) | -0.1 |
| 27.1 (3/31/2020) | 18.3 (8/9/2016) | (27.1 - 18.3)/(29 - 15) | 0.628571 |
| 22.8 (6/10/2020) | 18.3 (8/9/2016) | (22.8 - 18.3)/(30 - 15) | 0.3 |
| 22.8 (6/10/2020) | 18.3 (8/9/2016) | (22.8 - 18.3)/(30 - 15) | 0.3 |
| 11.3 (9/21/2020) | 18.3 (8/9/2016) | (11.3 - 18.3)/(31 - 15) | -0.4375 |
| 18.6 (12/17/2020) | 18.3 (8/9/2016) | (18.6 - 18.3)/(32 - 15) | 0.0176471 |
| 55.6 (3/18/2021) | 18.3 (8/9/2016) | (55.6 - 18.3)/(33 - 15) | 2.07222 |
| 43.7 (5/5/2021) | 18.3 (8/9/2016) | (43.7 - 18.3)/(34 - 15) | 1.33684 |
| 67.4 (9/2/2021) | 18.3 (8/9/2016) | (67.4 - 18.3)/(35 - 15) | 2.455 |
| 2.6 (11/23/2021) | 18.3 (8/9/2016) | (2.6 - 18.3)/(36 - 15) | -0.747619 |
| 29.7 (1/10/2022) | 18.3 (8/9/2016) | (29.7 - 18.3)/(37 - 15) | 0.518182 |
| 33.8 (4/7/2022) | 18.3 (8/9/2016) | (33.8 - 18.3)/(38 - 15) | 0.673913 |
| 30.8 (8/3/2022) | 18.3 (8/9/2016) | (30.8 - 18.3)/(39 - 15) | 0.520833 |
| 7.3 (11/16/2022) | 18.3 (8/9/2016) | (7.3 - 18.3)/(40 - 15) | -0.44 |
| 38 (2/13/2023) | 18.3 (8/9/2016) | (38 - 18.3)/(41 - 15) | 0.757692 |
| 20 (5/24/2023) | 18.3 (8/9/2016) | (20 - 18.3)/(42 - 15) | 0.062963 |
| 12.4 (8/7/2023) | 18.3 (8/9/2016) | (12.4 - 18.3)/(43 - 15) | -0.210714 |
| 10.9 (12/12/2023) | 18.3 (8/9/2016) | (10.9 - 18.3)/(44 - 15) | -0.255172 |
| 220 (1/10/2024) | 18.3 (8/9/2016) | (220 - 18.3)/(45 - 15) | 6.72333 |
| 11.6 (5/20/2024) | 18.3 (8/9/2016) | (11.6 - 18.3)/(46 - 15) | -0.216129 |
| 12 (9/16/2024) | 18.3 (8/9/2016) | (12 - 18.3)/(47 - 15) | -0.196875 |
| 7.8 (12/11/2024) | 18.3 (8/9/2016) | (7.8 - 18.3)/(48 - 15) | -0.318182 |
| 36.6 (2/18/2025) | 18.3 (8/9/2016) | (36.6 - 18.3)/(49 - 15) | 0.538235 |
| | | | |
| 44.6 (3/2/2017) | 16.9 (12/7/2016) | (44.6 - 16.9)/(17 - 16) | 27.7 |
| 70 (6/21/2017) | 16.9 (12/7/2016) | (70 - 16.9)/(18 - 16) | 26.55 |
| 12 (8/17/2017) | 16.9 (12/7/2016) | (12 - 16.9)/(19 - 16) | -1.63333 |
| 9.4 (10/26/2017) | 16.9 (12/7/2016) | (9.4 - 16.9)/(20 - 16) | -1.875 |
| 15.9 (3/27/2018) | 16.9 (12/7/2016) | (15.9 - 16.9)/(21 - 16) | -0.2 |
| 25.2 (6/26/2018) | 16.9 (12/7/2016) | (25.2 - 16.9)/(22 - 16) | 1.38333 |
| 107 (8/1/2018) | 16.9 (12/7/2016) | (107 - 16.9)/(23 - 16) | 12.8714 |
| 46.2 (12/11/2018) | 16.9 (12/7/2016) | (46.2 - 16.9)/(24 - 16) | 3.6625 |
| 14.4 (4/17/2019) | 16.9 (12/7/2016) | (14.4 - 16.9)/(25 - 16) | -0.277778 |
| 15.9 (6/11/2019) | 16.9 (12/7/2016) | (15.9 - 16.9)/(26 - 16) | -0.1 |
| 23.5 (8/28/2019) | 16.9 (12/7/2016) | (23.5 - 16.9)/(27 - 16) | 0.6 |
| 17 (10/28/2019) | 16.9 (12/7/2016) | (17 - 16.9)/(28 - 16) | 0.00833333 |
| 27.1 (3/31/2020) | 16.9 (12/7/2016) | (27.1 - 16.9)/(29 - 16) | 0.784615 |
| 22.8 (6/10/2020) | 16.9 (12/7/2016) | (22.8 - 16.9)/(30 - 16) | 0.421429 |
| 22.8 (6/10/2020) | 16.9 (12/7/2016) | (22.8 - 16.9)/(30 - 16) | 0.421429 |
| 11.3 (9/21/2020) | 16.9 (12/7/2016) | (11.3 - 16.9)/(31 - 16) | -0.373333 |
| 18.6 (12/17/2020) | 16.9 (12/7/2016) | (18.6 - 16.9)/(32 - 16) | 0.10625 |
| 55.6 (3/18/2021) | 16.9 (12/7/2016) | (55.6 - 16.9)/(33 - 16) | 2.27647 |
| 43.7 (5/5/2021) | 16.9 (12/7/2016) | (43.7 - 16.9)/(34 - 16) | 1.48889 |
| 67.4 (9/2/2021) | 16.9 (12/7/2016) | (67.4 - 16.9)/(35 - 16) | 2.65789 |
| 2.6 (11/23/2021) | 16.9 (12/7/2016) | (2.6 - 16.9)/(36 - 16) | -0.715 |
| 29.7 (1/10/2022) | 16.9 (12/7/2016) | (29.7 - 16.9)/(37 - 16) | 0.609524 |
| 33.8 (4/7/2022) | 16.9 (12/7/2016) | (33.8 - 16.9)/(38 - 16) | 0.768182 |
| 30.8 (8/3/2022) | 16.9 (12/7/2016) | (30.8 - 16.9)/(39 - 16) | 0.604348 |
| 7.3 (11/16/2022) | 16.9 (12/7/2016) | (7.3 - 16.9)/(40 - 16) | -0.4 |
| 38 (2/13/2023) | 16.9 (12/7/2016) | (38 - 16.9)/(41 - 16) | 0.844 |
| 20 (5/24/2023) | 16.9 (12/7/2016) | (20 - 16.9)/(42 - 16) | 0.119231 |
| 12.4 (8/7/2023) | 16.9 (12/7/2016) | (12.4 - 16.9)/(43 - 16) | -0.166667 |
| 10.9 (12/12/2023) | 16.9 (12/7/2016) | (10.9 - 16.9)/(44 - 16) | -0.214286 |
| 220 (1/10/2024) | 16.9 (12/7/2016) | (220 - 16.9)/(45 - 16) | 7.00345 |

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|---|---|---|---|
| 11.6 (5/20/2024) | 16.9 (12/7/2016) | (11.6 - 16.9)/(46 - 16) | -0.176667 |
| 12 (9/16/2024) | 16.9 (12/7/2016) | (12 - 16.9)/(47 - 16) | -0.158065 |
| 7.8 (12/11/2024) | 16.9 (12/7/2016) | (7.8 - 16.9)/(48 - 16) | -0.284375 |
| 36.6 (2/18/2025) | 16.9 (12/7/2016) | (36.6 - 16.9)/(49 - 16) | 0.59697 |
| | | | |
| 70 (6/21/2017) | 44.6 (3/2/2017) | (70 - 44.6)/(18 - 17) | 25.4 |
| 12 (8/17/2017) | 44.6 (3/2/2017) | (12 - 44.6)/(19 - 17) | -16.3 |
| 9.4 (10/26/2017) | 44.6 (3/2/2017) | (9.4 - 44.6)/(20 - 17) | -11.7333 |
| 15.9 (3/27/2018) | 44.6 (3/2/2017) | (15.9 - 44.6)/(21 - 17) | -7.175 |
| 25.2 (6/26/2018) | 44.6 (3/2/2017) | (25.2 - 44.6)/(22 - 17) | -3.88 |
| 107 (8/1/2018) | 44.6 (3/2/2017) | (107 - 44.6)/(23 - 17) | 10.4 |
| 46.2 (12/11/2018) | 44.6 (3/2/2017) | (46.2 - 44.6)/(24 - 17) | 0.228571 |
| 14.4 (4/17/2019) | 44.6 (3/2/2017) | (14.4 - 44.6)/(25 - 17) | -3.775 |
| 15.9 (6/11/2019) | 44.6 (3/2/2017) | (15.9 - 44.6)/(26 - 17) | -3.18889 |
| 23.5 (8/28/2019) | 44.6 (3/2/2017) | (23.5 - 44.6)/(27 - 17) | -2.11 |
| 17 (10/28/2019) | 44.6 (3/2/2017) | (17 - 44.6)/(28 - 17) | -2.50909 |
| 27.1 (3/31/2020) | 44.6 (3/2/2017) | (27.1 - 44.6)/(29 - 17) | -1.45833 |
| 22.8 (6/10/2020) | 44.6 (3/2/2017) | (22.8 - 44.6)/(30 - 17) | -1.67692 |
| 22.8 (6/10/2020) | 44.6 (3/2/2017) | (22.8 - 44.6)/(30 - 17) | -1.67692 |
| 11.3 (9/21/2020) | 44.6 (3/2/2017) | (11.3 - 44.6)/(31 - 17) | -2.37857 |
| 18.6 (12/17/2020) | 44.6 (3/2/2017) | (18.6 - 44.6)/(32 - 17) | -1.73333 |
| 55.6 (3/18/2021) | 44.6 (3/2/2017) | (55.6 - 44.6)/(33 - 17) | 0.6875 |
| 43.7 (5/5/2021) | 44.6 (3/2/2017) | (43.7 - 44.6)/(34 - 17) | -0.0529412 |
| 67.4 (9/2/2021) | 44.6 (3/2/2017) | (67.4 - 44.6)/(35 - 17) | 1.26667 |
| 2.6 (11/23/2021) | 44.6 (3/2/2017) | (2.6 - 44.6)/(36 - 17) | -2.21053 |
| 29.7 (1/10/2022) | 44.6 (3/2/2017) | (29.7 - 44.6)/(37 - 17) | -0.745 |
| 33.8 (4/7/2022) | 44.6 (3/2/2017) | (33.8 - 44.6)/(38 - 17) | -0.514286 |
| 30.8 (8/3/2022) | 44.6 (3/2/2017) | (30.8 - 44.6)/(39 - 17) | -0.627273 |
| 7.3 (11/16/2022) | 44.6 (3/2/2017) | (7.3 - 44.6)/(40 - 17) | -1.62174 |
| 38 (2/13/2023) | 44.6 (3/2/2017) | (38 - 44.6)/(41 - 17) | -0.275 |
| 20 (5/24/2023) | 44.6 (3/2/2017) | (20 - 44.6)/(42 - 17) | -0.984 |
| 12.4 (8/7/2023) | 44.6 (3/2/2017) | (12.4 - 44.6)/(43 - 17) | -1.23846 |
| 10.9 (12/12/2023) | 44.6 (3/2/2017) | (10.9 - 44.6)/(44 - 17) | -1.24815 |
| 220 (1/10/2024) | 44.6 (3/2/2017) | (220 - 44.6)/(45 - 17) | 6.26429 |
| 11.6 (5/20/2024) | 44.6 (3/2/2017) | (11.6 - 44.6)/(46 - 17) | -1.13793 |
| 12 (9/16/2024) | 44.6 (3/2/2017) | (12 - 44.6)/(47 - 17) | -1.08667 |
| 7.8 (12/11/2024) | 44.6 (3/2/2017) | (7.8 - 44.6)/(48 - 17) | -1.1871 |
| 36.6 (2/18/2025) | 44.6 (3/2/2017) | (36.6 - 44.6)/(49 - 17) | -0.25 |
| | | | |
| 12 (8/17/2017) | 70 (6/21/2017) | (12 - 70)/(19 - 18) | -58 |
| 9.4 (10/26/2017) | 70 (6/21/2017) | (9.4 - 70)/(20 - 18) | -30.3 |
| 15.9 (3/27/2018) | 70 (6/21/2017) | (15.9 - 70)/(21 - 18) | -18.0333 |
| 25.2 (6/26/2018) | 70 (6/21/2017) | (25.2 - 70)/(22 - 18) | -11.2 |
| 107 (8/1/2018) | 70 (6/21/2017) | (107 - 70)/(23 - 18) | 7.4 |
| 46.2 (12/11/2018) | 70 (6/21/2017) | (46.2 - 70)/(24 - 18) | -3.96667 |
| 14.4 (4/17/2019) | 70 (6/21/2017) | (14.4 - 70)/(25 - 18) | -7.94286 |
| 15.9 (6/11/2019) | 70 (6/21/2017) | (15.9 - 70)/(26 - 18) | -6.7625 |
| 23.5 (8/28/2019) | 70 (6/21/2017) | (23.5 - 70)/(27 - 18) | -5.16667 |
| 17 (10/28/2019) | 70 (6/21/2017) | (17 - 70)/(28 - 18) | -5.3 |
| 27.1 (3/31/2020) | 70 (6/21/2017) | (27.1 - 70)/(29 - 18) | -3.9 |
| 22.8 (6/10/2020) | 70 (6/21/2017) | (22.8 - 70)/(30 - 18) | -3.93333 |
| 22.8 (6/10/2020) | 70 (6/21/2017) | (22.8 - 70)/(30 - 18) | -3.93333 |
| 11.3 (9/21/2020) | 70 (6/21/2017) | (11.3 - 70)/(31 - 18) | -4.51538 |
| 18.6 (12/17/2020) | 70 (6/21/2017) | (18.6 - 70)/(32 - 18) | -3.67143 |
| 55.6 (3/18/2021) | 70 (6/21/2017) | (55.6 - 70)/(33 - 18) | -0.96 |
| 43.7 (5/5/2021) | 70 (6/21/2017) | (43.7 - 70)/(34 - 18) | -1.64375 |
| 67.4 (9/2/2021) | 70 (6/21/2017) | (67.4 - 70)/(35 - 18) | -0.152941 |

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| 2.6 (11/23/2021) | 70 (6/21/2017) | (2.6 - 70)/(36 - 18) | -3.74444 |
| 29.7 (1/10/2022) | 70 (6/21/2017) | (29.7 - 70)/(37 - 18) | -2.12105 |
| 33.8 (4/7/2022) | 70 (6/21/2017) | (33.8 - 70)/(38 - 18) | -1.81 |
| 30.8 (8/3/2022) | 70 (6/21/2017) | (30.8 - 70)/(39 - 18) | -1.86667 |
| 7.3 (11/16/2022) | 70 (6/21/2017) | (7.3 - 70)/(40 - 18) | -2.85 |
| 38 (2/13/2023) | 70 (6/21/2017) | (38 - 70)/(41 - 18) | -1.3913 |
| 20 (5/24/2023) | 70 (6/21/2017) | (20 - 70)/(42 - 18) | -2.08333 |
| 12.4 (8/7/2023) | 70 (6/21/2017) | (12.4 - 70)/(43 - 18) | -2.304 |
| 10.9 (12/12/2023) | 70 (6/21/2017) | (10.9 - 70)/(44 - 18) | -2.27308 |
| 220 (1/10/2024) | 70 (6/21/2017) | (220 - 70)/(45 - 18) | 5.55556 |
| 11.6 (5/20/2024) | 70 (6/21/2017) | (11.6 - 70)/(46 - 18) | -2.08571 |
| 12 (9/16/2024) | 70 (6/21/2017) | (12 - 70)/(47 - 18) | -2 |
| 7.8 (12/11/2024) | 70 (6/21/2017) | (7.8 - 70)/(48 - 18) | -2.07333 |
| 36.6 (2/18/2025) | 70 (6/21/2017) | (36.6 - 70)/(49 - 18) | -1.07742 |
| | | | |
| 9.4 (10/26/2017) | 12 (8/17/2017) | (9.4 - 12)/(20 - 19) | -2.6 |
| 15.9 (3/27/2018) | 12 (8/17/2017) | (15.9 - 12)/(21 - 19) | 1.95 |
| 25.2 (6/26/2018) | 12 (8/17/2017) | (25.2 - 12)/(22 - 19) | 4.4 |
| 107 (8/1/2018) | 12 (8/17/2017) | (107 - 12)/(23 - 19) | 23.75 |
| 46.2 (12/11/2018) | 12 (8/17/2017) | (46.2 - 12)/(24 - 19) | 6.84 |
| 14.4 (4/17/2019) | 12 (8/17/2017) | (14.4 - 12)/(25 - 19) | 0.4 |
| 15.9 (6/11/2019) | 12 (8/17/2017) | (15.9 - 12)/(26 - 19) | 0.557143 |
| 23.5 (8/28/2019) | 12 (8/17/2017) | (23.5 - 12)/(27 - 19) | 1.4375 |
| 17 (10/28/2019) | 12 (8/17/2017) | (17 - 12)/(28 - 19) | 0.555556 |
| 27.1 (3/31/2020) | 12 (8/17/2017) | (27.1 - 12)/(29 - 19) | 1.51 |
| 22.8 (6/10/2020) | 12 (8/17/2017) | (22.8 - 12)/(30 - 19) | 0.981818 |
| 22.8 (6/10/2020) | 12 (8/17/2017) | (22.8 - 12)/(30 - 19) | 0.981818 |
| 11.3 (9/21/2020) | 12 (8/17/2017) | (11.3 - 12)/(31 - 19) | -0.0583333 |
| 18.6 (12/17/2020) | 12 (8/17/2017) | (18.6 - 12)/(32 - 19) | 0.507692 |
| 55.6 (3/18/2021) | 12 (8/17/2017) | (55.6 - 12)/(33 - 19) | 3.11429 |
| 43.7 (5/5/2021) | 12 (8/17/2017) | (43.7 - 12)/(34 - 19) | 2.11333 |
| 67.4 (9/2/2021) | 12 (8/17/2017) | (67.4 - 12)/(35 - 19) | 3.4625 |
| 2.6 (11/23/2021) | 12 (8/17/2017) | (2.6 - 12)/(36 - 19) | -0.552941 |
| 29.7 (1/10/2022) | 12 (8/17/2017) | (29.7 - 12)/(37 - 19) | 0.983333 |
| 33.8 (4/7/2022) | 12 (8/17/2017) | (33.8 - 12)/(38 - 19) | 1.14737 |
| 30.8 (8/3/2022) | 12 (8/17/2017) | (30.8 - 12)/(39 - 19) | 0.94 |
| 7.3 (11/16/2022) | 12 (8/17/2017) | (7.3 - 12)/(40 - 19) | -0.22381 |
| 38 (2/13/2023) | 12 (8/17/2017) | (38 - 12)/(41 - 19) | 1.18182 |
| 20 (5/24/2023) | 12 (8/17/2017) | (20 - 12)/(42 - 19) | 0.347826 |
| 12.4 (8/7/2023) | 12 (8/17/2017) | (12.4 - 12)/(43 - 19) | 0.0166667 |
| 10.9 (12/12/2023) | 12 (8/17/2017) | (10.9 - 12)/(44 - 19) | -0.044 |
| 220 (1/10/2024) | 12 (8/17/2017) | (220 - 12)/(45 - 19) | 8 |
| 11.6 (5/20/2024) | 12 (8/17/2017) | (11.6 - 12)/(46 - 19) | -0.0148148 |
| 12 (9/16/2024) | 12 (8/17/2017) | (12 - 12)/(47 - 19) | 0 |
| 7.8 (12/11/2024) | 12 (8/17/2017) | (7.8 - 12)/(48 - 19) | -0.144828 |
| 36.6 (2/18/2025) | 12 (8/17/2017) | (36.6 - 12)/(49 - 19) | 0.82 |
| | | | |
| 15.9 (3/27/2018) | 9.4 (10/26/2017) | (15.9 - 9.4)/(21 - 20) | 6.5 |
| 25.2 (6/26/2018) | 9.4 (10/26/2017) | (25.2 - 9.4)/(22 - 20) | 7.9 |
| 107 (8/1/2018) | 9.4 (10/26/2017) | (107 - 9.4)/(23 - 20) | 32.5333 |
| 46.2 (12/11/2018) | 9.4 (10/26/2017) | (46.2 - 9.4)/(24 - 20) | 9.2 |
| 14.4 (4/17/2019) | 9.4 (10/26/2017) | (14.4 - 9.4)/(25 - 20) | 1 |
| 15.9 (6/11/2019) | 9.4 (10/26/2017) | (15.9 - 9.4)/(26 - 20) | 1.08333 |
| 23.5 (8/28/2019) | 9.4 (10/26/2017) | (23.5 - 9.4)/(27 - 20) | 2.01429 |
| 17 (10/28/2019) | 9.4 (10/26/2017) | (17 - 9.4)/(28 - 20) | 0.95 |
| 27.1 (3/31/2020) | 9.4 (10/26/2017) | (27.1 - 9.4)/(29 - 20) | 1.96667 |
| 22.8 (6/10/2020) | 9.4 (10/26/2017) | (22.8 - 9.4)/(30 - 20) | 1.34 |

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| 22.8 (6/10/2020) | 9.4 (10/26/2017) | (22.8 - 9.4)/(30 - 20) | 1.34 |
| 11.3 (9/21/2020) | 9.4 (10/26/2017) | (11.3 - 9.4)/(31 - 20) | 0.172727 |
| 18.6 (12/17/2020) | 9.4 (10/26/2017) | (18.6 - 9.4)/(32 - 20) | 0.766667 |
| 55.6 (3/18/2021) | 9.4 (10/26/2017) | (55.6 - 9.4)/(33 - 20) | 3.55385 |
| 43.7 (5/5/2021) | 9.4 (10/26/2017) | (43.7 - 9.4)/(34 - 20) | 2.45 |
| 67.4 (9/2/2021) | 9.4 (10/26/2017) | (67.4 - 9.4)/(35 - 20) | 3.86667 |
| 2.6 (11/23/2021) | 9.4 (10/26/2017) | (2.6 - 9.4)/(36 - 20) | -0.425 |
| 29.7 (1/10/2022) | 9.4 (10/26/2017) | (29.7 - 9.4)/(37 - 20) | 1.19412 |
| 33.8 (4/7/2022) | 9.4 (10/26/2017) | (33.8 - 9.4)/(38 - 20) | 1.35556 |
| 30.8 (8/3/2022) | 9.4 (10/26/2017) | (30.8 - 9.4)/(39 - 20) | 1.12632 |
| 7.3 (11/16/2022) | 9.4 (10/26/2017) | (7.3 - 9.4)/(40 - 20) | -0.105 |
| 38 (2/13/2023) | 9.4 (10/26/2017) | (38 - 9.4)/(41 - 20) | 1.3619 |
| 20 (5/24/2023) | 9.4 (10/26/2017) | (20 - 9.4)/(42 - 20) | 0.481818 |
| 12.4 (8/7/2023) | 9.4 (10/26/2017) | (12.4 - 9.4)/(43 - 20) | 0.130435 |
| 10.9 (12/12/2023) | 9.4 (10/26/2017) | (10.9 - 9.4)/(44 - 20) | 0.0625 |
| 220 (1/10/2024) | 9.4 (10/26/2017) | (220 - 9.4)/(45 - 20) | 8.424 |
| 11.6 (5/20/2024) | 9.4 (10/26/2017) | (11.6 - 9.4)/(46 - 20) | 0.0846154 |
| 12 (9/16/2024) | 9.4 (10/26/2017) | (12 - 9.4)/(47 - 20) | 0.0962963 |
| 7.8 (12/11/2024) | 9.4 (10/26/2017) | (7.8 - 9.4)/(48 - 20) | -0.0571429 |
| 36.6 (2/18/2025) | 9.4 (10/26/2017) | (36.6 - 9.4)/(49 - 20) | 0.937931 |
| | | | |
| 25.2 (6/26/2018) | 15.9 (3/27/2018) | (25.2 - 15.9)/(22 - 21) | 9.3 |
| 107 (8/1/2018) | 15.9 (3/27/2018) | (107 - 15.9)/(23 - 21) | 45.55 |
| 46.2 (12/11/2018) | 15.9 (3/27/2018) | (46.2 - 15.9)/(24 - 21) | 10.1 |
| 14.4 (4/17/2019) | 15.9 (3/27/2018) | (14.4 - 15.9)/(25 - 21) | -0.375 |
| 15.9 (6/11/2019) | 15.9 (3/27/2018) | (15.9 - 15.9)/(26 - 21) | 0 |
| 23.5 (8/28/2019) | 15.9 (3/27/2018) | (23.5 - 15.9)/(27 - 21) | 1.26667 |
| 17 (10/28/2019) | 15.9 (3/27/2018) | (17 - 15.9)/(28 - 21) | 0.157143 |
| 27.1 (3/31/2020) | 15.9 (3/27/2018) | (27.1 - 15.9)/(29 - 21) | 1.4 |
| 22.8 (6/10/2020) | 15.9 (3/27/2018) | (22.8 - 15.9)/(30 - 21) | 0.766667 |
| 22.8 (6/10/2020) | 15.9 (3/27/2018) | (22.8 - 15.9)/(30 - 21) | 0.766667 |
| 11.3 (9/21/2020) | 15.9 (3/27/2018) | (11.3 - 15.9)/(31 - 21) | -0.46 |
| 18.6 (12/17/2020) | 15.9 (3/27/2018) | (18.6 - 15.9)/(32 - 21) | 0.245455 |
| 55.6 (3/18/2021) | 15.9 (3/27/2018) | (55.6 - 15.9)/(33 - 21) | 3.30833 |
| 43.7 (5/5/2021) | 15.9 (3/27/2018) | (43.7 - 15.9)/(34 - 21) | 2.13846 |
| 67.4 (9/2/2021) | 15.9 (3/27/2018) | (67.4 - 15.9)/(35 - 21) | 3.67857 |
| 2.6 (11/23/2021) | 15.9 (3/27/2018) | (2.6 - 15.9)/(36 - 21) | -0.886667 |
| 29.7 (1/10/2022) | 15.9 (3/27/2018) | (29.7 - 15.9)/(37 - 21) | 0.8625 |
| 33.8 (4/7/2022) | 15.9 (3/27/2018) | (33.8 - 15.9)/(38 - 21) | 1.05294 |
| 30.8 (8/3/2022) | 15.9 (3/27/2018) | (30.8 - 15.9)/(39 - 21) | 0.827778 |
| 7.3 (11/16/2022) | 15.9 (3/27/2018) | (7.3 - 15.9)/(40 - 21) | -0.452632 |
| 38 (2/13/2023) | 15.9 (3/27/2018) | (38 - 15.9)/(41 - 21) | 1.105 |
| 20 (5/24/2023) | 15.9 (3/27/2018) | (20 - 15.9)/(42 - 21) | 0.195238 |
| 12.4 (8/7/2023) | 15.9 (3/27/2018) | (12.4 - 15.9)/(43 - 21) | -0.159091 |
| 10.9 (12/12/2023) | 15.9 (3/27/2018) | (10.9 - 15.9)/(44 - 21) | -0.217391 |
| 220 (1/10/2024) | 15.9 (3/27/2018) | (220 - 15.9)/(45 - 21) | 8.50417 |
| 11.6 (5/20/2024) | 15.9 (3/27/2018) | (11.6 - 15.9)/(46 - 21) | -0.172 |
| 12 (9/16/2024) | 15.9 (3/27/2018) | (12 - 15.9)/(47 - 21) | -0.15 |
| 7.8 (12/11/2024) | 15.9 (3/27/2018) | (7.8 - 15.9)/(48 - 21) | -0.3 |
| 36.6 (2/18/2025) | 15.9 (3/27/2018) | (36.6 - 15.9)/(49 - 21) | 0.739286 |
| | | | |
| 107 (8/1/2018) | 25.2 (6/26/2018) | (107 - 25.2)/(23 - 22) | 81.8 |
| 46.2 (12/11/2018) | 25.2 (6/26/2018) | (46.2 - 25.2)/(24 - 22) | 10.5 |
| 14.4 (4/17/2019) | 25.2 (6/26/2018) | (14.4 - 25.2)/(25 - 22) | -3.6 |
| 15.9 (6/11/2019) | 25.2 (6/26/2018) | (15.9 - 25.2)/(26 - 22) | -2.325 |
| 23.5 (8/28/2019) | 25.2 (6/26/2018) | (23.5 - 25.2)/(27 - 22) | -0.34 |
| 17 (10/28/2019) | 25.2 (6/26/2018) | (17 - 25.2)/(28 - 22) | -1.36667 |

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|---|---|---|---|
| 27.1 (3/31/2020) | 25.2 (6/26/2018) | (27.1 - 25.2)/(29 - 22) | 0.271429 |
| 22.8 (6/10/2020) | 25.2 (6/26/2018) | (22.8 - 25.2)/(30 - 22) | -0.3 |
| 22.8 (6/10/2020) | 25.2 (6/26/2018) | (22.8 - 25.2)/(30 - 22) | -0.3 |
| 11.3 (9/21/2020) | 25.2 (6/26/2018) | (11.3 - 25.2)/(31 - 22) | -1.54444 |
| 18.6 (12/17/2020) | 25.2 (6/26/2018) | (18.6 - 25.2)/(32 - 22) | -0.66 |
| 55.6 (3/18/2021) | 25.2 (6/26/2018) | (55.6 - 25.2)/(33 - 22) | 2.76364 |
| 43.7 (5/5/2021) | 25.2 (6/26/2018) | (43.7 - 25.2)/(34 - 22) | 1.54167 |
| 67.4 (9/2/2021) | 25.2 (6/26/2018) | (67.4 - 25.2)/(35 - 22) | 3.24615 |
| 2.6 (11/23/2021) | 25.2 (6/26/2018) | (2.6 - 25.2)/(36 - 22) | -1.61429 |
| 29.7 (1/10/2022) | 25.2 (6/26/2018) | (29.7 - 25.2)/(37 - 22) | 0.3 |
| 33.8 (4/7/2022) | 25.2 (6/26/2018) | (33.8 - 25.2)/(38 - 22) | 0.5375 |
| 30.8 (8/3/2022) | 25.2 (6/26/2018) | (30.8 - 25.2)/(39 - 22) | 0.329412 |
| 7.3 (11/16/2022) | 25.2 (6/26/2018) | (7.3 - 25.2)/(40 - 22) | -0.994444 |
| 38 (2/13/2023) | 25.2 (6/26/2018) | (38 - 25.2)/(41 - 22) | 0.673684 |
| 20 (5/24/2023) | 25.2 (6/26/2018) | (20 - 25.2)/(42 - 22) | -0.26 |
| 12.4 (8/7/2023) | 25.2 (6/26/2018) | (12.4 - 25.2)/(43 - 22) | -0.609524 |
| 10.9 (12/12/2023) | 25.2 (6/26/2018) | (10.9 - 25.2)/(44 - 22) | -0.65 |
| 220 (1/10/2024) | 25.2 (6/26/2018) | (220 - 25.2)/(45 - 22) | 8.46957 |
| 11.6 (5/20/2024) | 25.2 (6/26/2018) | (11.6 - 25.2)/(46 - 22) | -0.566667 |
| 12 (9/16/2024) | 25.2 (6/26/2018) | (12 - 25.2)/(47 - 22) | -0.528 |
| 7.8 (12/11/2024) | 25.2 (6/26/2018) | (7.8 - 25.2)/(48 - 22) | -0.669231 |
| 36.6 (2/18/2025) | 25.2 (6/26/2018) | (36.6 - 25.2)/(49 - 22) | 0.422222 |
| | | | |
| 46.2 (12/11/2018) | 107 (8/1/2018) | (46.2 - 107)/(24 - 23) | -60.8 |
| 14.4 (4/17/2019) | 107 (8/1/2018) | (14.4 - 107)/(25 - 23) | -46.3 |
| 15.9 (6/11/2019) | 107 (8/1/2018) | (15.9 - 107)/(26 - 23) | -30.3667 |
| 23.5 (8/28/2019) | 107 (8/1/2018) | (23.5 - 107)/(27 - 23) | -20.875 |
| 17 (10/28/2019) | 107 (8/1/2018) | (17 - 107)/(28 - 23) | -18 |
| 27.1 (3/31/2020) | 107 (8/1/2018) | (27.1 - 107)/(29 - 23) | -13.3167 |
| 22.8 (6/10/2020) | 107 (8/1/2018) | (22.8 - 107)/(30 - 23) | -12.0286 |
| 22.8 (6/10/2020) | 107 (8/1/2018) | (22.8 - 107)/(30 - 23) | -12.0286 |
| 11.3 (9/21/2020) | 107 (8/1/2018) | (11.3 - 107)/(31 - 23) | -11.9625 |
| 18.6 (12/17/2020) | 107 (8/1/2018) | (18.6 - 107)/(32 - 23) | -9.82222 |
| 55.6 (3/18/2021) | 107 (8/1/2018) | (55.6 - 107)/(33 - 23) | -5.14 |
| 43.7 (5/5/2021) | 107 (8/1/2018) | (43.7 - 107)/(34 - 23) | -5.75455 |
| 67.4 (9/2/2021) | 107 (8/1/2018) | (67.4 - 107)/(35 - 23) | -3.3 |
| 2.6 (11/23/2021) | 107 (8/1/2018) | (2.6 - 107)/(36 - 23) | -8.03077 |
| 29.7 (1/10/2022) | 107 (8/1/2018) | (29.7 - 107)/(37 - 23) | -5.52143 |
| 33.8 (4/7/2022) | 107 (8/1/2018) | (33.8 - 107)/(38 - 23) | -4.88 |
| 30.8 (8/3/2022) | 107 (8/1/2018) | (30.8 - 107)/(39 - 23) | -4.7625 |
| 7.3 (11/16/2022) | 107 (8/1/2018) | (7.3 - 107)/(40 - 23) | -5.86471 |
| 38 (2/13/2023) | 107 (8/1/2018) | (38 - 107)/(41 - 23) | -3.83333 |
| 20 (5/24/2023) | 107 (8/1/2018) | (20 - 107)/(42 - 23) | -4.57895 |
| 12.4 (8/7/2023) | 107 (8/1/2018) | (12.4 - 107)/(43 - 23) | -4.73 |
| 10.9 (12/12/2023) | 107 (8/1/2018) | (10.9 - 107)/(44 - 23) | -4.57619 |
| 220 (1/10/2024) | 107 (8/1/2018) | (220 - 107)/(45 - 23) | 5.13636 |
| 11.6 (5/20/2024) | 107 (8/1/2018) | (11.6 - 107)/(46 - 23) | -4.14783 |
| 12 (9/16/2024) | 107 (8/1/2018) | (12 - 107)/(47 - 23) | -3.95833 |
| 7.8 (12/11/2024) | 107 (8/1/2018) | (7.8 - 107)/(48 - 23) | -3.968 |
| 36.6 (2/18/2025) | 107 (8/1/2018) | (36.6 - 107)/(49 - 23) | -2.70769 |
| | | | |
| 14.4 (4/17/2019) | 46.2 (12/11/2018) | (14.4 - 46.2)/(25 - 24) | -31.8 |
| 15.9 (6/11/2019) | 46.2 (12/11/2018) | (15.9 - 46.2)/(26 - 24) | -15.15 |
| 23.5 (8/28/2019) | 46.2 (12/11/2018) | (23.5 - 46.2)/(27 - 24) | -7.56667 |
| 17 (10/28/2019) | 46.2 (12/11/2018) | (17 - 46.2)/(28 - 24) | -7.3 |
| 27.1 (3/31/2020) | 46.2 (12/11/2018) | (27.1 - 46.2)/(29 - 24) | -3.82 |
| 22.8 (6/10/2020) | 46.2 (12/11/2018) | (22.8 - 46.2)/(30 - 24) | -3.9 |

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|---|---|---|---|
| 22.8 (6/10/2020) | 46.2 (12/11/2018) | (22.8 - 46.2)/(30 - 24) | -3.9 |
| 11.3 (9/21/2020) | 46.2 (12/11/2018) | (11.3 - 46.2)/(31 - 24) | -4.98571 |
| 18.6 (12/17/2020) | 46.2 (12/11/2018) | (18.6 - 46.2)/(32 - 24) | -3.45 |
| 55.6 (3/18/2021) | 46.2 (12/11/2018) | (55.6 - 46.2)/(33 - 24) | 1.04444 |
| 43.7 (5/5/2021) | 46.2 (12/11/2018) | (43.7 - 46.2)/(34 - 24) | -0.25 |
| 67.4 (9/2/2021) | 46.2 (12/11/2018) | (67.4 - 46.2)/(35 - 24) | 1.92727 |
| 2.6 (11/23/2021) | 46.2 (12/11/2018) | (2.6 - 46.2)/(36 - 24) | -3.63333 |
| 29.7 (1/10/2022) | 46.2 (12/11/2018) | (29.7 - 46.2)/(37 - 24) | -1.26923 |
| 33.8 (4/7/2022) | 46.2 (12/11/2018) | (33.8 - 46.2)/(38 - 24) | -0.885714 |
| 30.8 (8/3/2022) | 46.2 (12/11/2018) | (30.8 - 46.2)/(39 - 24) | -1.02667 |
| 7.3 (11/16/2022) | 46.2 (12/11/2018) | (7.3 - 46.2)/(40 - 24) | -2.43125 |
| 38 (2/13/2023) | 46.2 (12/11/2018) | (38 - 46.2)/(41 - 24) | -0.482353 |
| 20 (5/24/2023) | 46.2 (12/11/2018) | (20 - 46.2)/(42 - 24) | -1.45556 |
| 12.4 (8/7/2023) | 46.2 (12/11/2018) | (12.4 - 46.2)/(43 - 24) | -1.77895 |
| 10.9 (12/12/2023) | 46.2 (12/11/2018) | (10.9 - 46.2)/(44 - 24) | -1.765 |
| 220 (1/10/2024) | 46.2 (12/11/2018) | (220 - 46.2)/(45 - 24) | 8.27619 |
| 11.6 (5/20/2024) | 46.2 (12/11/2018) | (11.6 - 46.2)/(46 - 24) | -1.57273 |
| 12 (9/16/2024) | 46.2 (12/11/2018) | (12 - 46.2)/(47 - 24) | -1.48696 |
| 7.8 (12/11/2024) | 46.2 (12/11/2018) | (7.8 - 46.2)/(48 - 24) | -1.6 |
| 36.6 (2/18/2025) | 46.2 (12/11/2018) | (36.6 - 46.2)/(49 - 24) | -0.384 |
| | | | |
| 15.9 (6/11/2019) | 14.4 (4/17/2019) | (15.9 - 14.4)/(26 - 25) | 1.5 |
| 23.5 (8/28/2019) | 14.4 (4/17/2019) | (23.5 - 14.4)/(27 - 25) | 4.55 |
| 17 (10/28/2019) | 14.4 (4/17/2019) | (17 - 14.4)/(28 - 25) | 0.866667 |
| 27.1 (3/31/2020) | 14.4 (4/17/2019) | (27.1 - 14.4)/(29 - 25) | 3.175 |
| 22.8 (6/10/2020) | 14.4 (4/17/2019) | (22.8 - 14.4)/(30 - 25) | 1.68 |
| 22.8 (6/10/2020) | 14.4 (4/17/2019) | (22.8 - 14.4)/(30 - 25) | 1.68 |
| 11.3 (9/21/2020) | 14.4 (4/17/2019) | (11.3 - 14.4)/(31 - 25) | -0.516667 |
| 18.6 (12/17/2020) | 14.4 (4/17/2019) | (18.6 - 14.4)/(32 - 25) | 0.6 |
| 55.6 (3/18/2021) | 14.4 (4/17/2019) | (55.6 - 14.4)/(33 - 25) | 5.15 |
| 43.7 (5/5/2021) | 14.4 (4/17/2019) | (43.7 - 14.4)/(34 - 25) | 3.25556 |
| 67.4 (9/2/2021) | 14.4 (4/17/2019) | (67.4 - 14.4)/(35 - 25) | 5.3 |
| 2.6 (11/23/2021) | 14.4 (4/17/2019) | (2.6 - 14.4)/(36 - 25) | -1.07273 |
| 29.7 (1/10/2022) | 14.4 (4/17/2019) | (29.7 - 14.4)/(37 - 25) | 1.275 |
| 33.8 (4/7/2022) | 14.4 (4/17/2019) | (33.8 - 14.4)/(38 - 25) | 1.49231 |
| 30.8 (8/3/2022) | 14.4 (4/17/2019) | (30.8 - 14.4)/(39 - 25) | 1.17143 |
| 7.3 (11/16/2022) | 14.4 (4/17/2019) | (7.3 - 14.4)/(40 - 25) | -0.473333 |
| 38 (2/13/2023) | 14.4 (4/17/2019) | (38 - 14.4)/(41 - 25) | 1.475 |
| 20 (5/24/2023) | 14.4 (4/17/2019) | (20 - 14.4)/(42 - 25) | 0.329412 |
| 12.4 (8/7/2023) | 14.4 (4/17/2019) | (12.4 - 14.4)/(43 - 25) | -0.111111 |
| 10.9 (12/12/2023) | 14.4 (4/17/2019) | (10.9 - 14.4)/(44 - 25) | -0.184211 |
| 220 (1/10/2024) | 14.4 (4/17/2019) | (220 - 14.4)/(45 - 25) | 10.28 |
| 11.6 (5/20/2024) | 14.4 (4/17/2019) | (11.6 - 14.4)/(46 - 25) | -0.133333 |
| 12 (9/16/2024) | 14.4 (4/17/2019) | (12 - 14.4)/(47 - 25) | -0.109091 |
| 7.8 (12/11/2024) | 14.4 (4/17/2019) | (7.8 - 14.4)/(48 - 25) | -0.286957 |
| 36.6 (2/18/2025) | 14.4 (4/17/2019) | (36.6 - 14.4)/(49 - 25) | 0.925 |
| | | | |
| 23.5 (8/28/2019) | 15.9 (6/11/2019) | (23.5 - 15.9)/(27 - 26) | 7.6 |
| 17 (10/28/2019) | 15.9 (6/11/2019) | (17 - 15.9)/(28 - 26) | 0.55 |
| 27.1 (3/31/2020) | 15.9 (6/11/2019) | (27.1 - 15.9)/(29 - 26) | 3.73333 |
| 22.8 (6/10/2020) | 15.9 (6/11/2019) | (22.8 - 15.9)/(30 - 26) | 1.725 |
| 22.8 (6/10/2020) | 15.9 (6/11/2019) | (22.8 - 15.9)/(30 - 26) | 1.725 |
| 11.3 (9/21/2020) | 15.9 (6/11/2019) | (11.3 - 15.9)/(31 - 26) | -0.92 |
| 18.6 (12/17/2020) | 15.9 (6/11/2019) | (18.6 - 15.9)/(32 - 26) | 0.45 |
| 55.6 (3/18/2021) | 15.9 (6/11/2019) | (55.6 - 15.9)/(33 - 26) | 5.67143 |
| 43.7 (5/5/2021) | 15.9 (6/11/2019) | (43.7 - 15.9)/(34 - 26) | 3.475 |
| 67.4 (9/2/2021) | 15.9 (6/11/2019) | (67.4 - 15.9)/(35 - 26) | 5.72222 |

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|---|---|---|---|
| 2.6 (11/23/2021) | 15.9 (6/11/2019) | (2.6 - 15.9)/(36 - 26) | -1.33 |
| 29.7 (1/10/2022) | 15.9 (6/11/2019) | (29.7 - 15.9)/(37 - 26) | 1.25455 |
| 33.8 (4/7/2022) | 15.9 (6/11/2019) | (33.8 - 15.9)/(38 - 26) | 1.49167 |
| 30.8 (8/3/2022) | 15.9 (6/11/2019) | (30.8 - 15.9)/(39 - 26) | 1.14615 |
| 7.3 (11/16/2022) | 15.9 (6/11/2019) | (7.3 - 15.9)/(40 - 26) | -0.614286 |
| 38 (2/13/2023) | 15.9 (6/11/2019) | (38 - 15.9)/(41 - 26) | 1.47333 |
| 20 (5/24/2023) | 15.9 (6/11/2019) | (20 - 15.9)/(42 - 26) | 0.25625 |
| 12.4 (8/7/2023) | 15.9 (6/11/2019) | (12.4 - 15.9)/(43 - 26) | -0.205882 |
| 10.9 (12/12/2023) | 15.9 (6/11/2019) | (10.9 - 15.9)/(44 - 26) | -0.277778 |
| 220 (1/10/2024) | 15.9 (6/11/2019) | (220 - 15.9)/(45 - 26) | 10.7421 |
| 11.6 (5/20/2024) | 15.9 (6/11/2019) | (11.6 - 15.9)/(46 - 26) | -0.215 |
| 12 (9/16/2024) | 15.9 (6/11/2019) | (12 - 15.9)/(47 - 26) | -0.185714 |
| 7.8 (12/11/2024) | 15.9 (6/11/2019) | (7.8 - 15.9)/(48 - 26) | -0.368182 |
| 36.6 (2/18/2025) | 15.9 (6/11/2019) | (36.6 - 15.9)/(49 - 26) | 0.9 |
| | | | |
| 17 (10/28/2019) | 23.5 (8/28/2019) | (17 - 23.5)/(28 - 27) | -6.5 |
| 27.1 (3/31/2020) | 23.5 (8/28/2019) | (27.1 - 23.5)/(29 - 27) | 1.8 |
| 22.8 (6/10/2020) | 23.5 (8/28/2019) | (22.8 - 23.5)/(30 - 27) | -0.233333 |
| 22.8 (6/10/2020) | 23.5 (8/28/2019) | (22.8 - 23.5)/(30 - 27) | -0.233333 |
| 11.3 (9/21/2020) | 23.5 (8/28/2019) | (11.3 - 23.5)/(31 - 27) | -3.05 |
| 18.6 (12/17/2020) | 23.5 (8/28/2019) | (18.6 - 23.5)/(32 - 27) | -0.98 |
| 55.6 (3/18/2021) | 23.5 (8/28/2019) | (55.6 - 23.5)/(33 - 27) | 5.35 |
| 43.7 (5/5/2021) | 23.5 (8/28/2019) | (43.7 - 23.5)/(34 - 27) | 2.88571 |
| 67.4 (9/2/2021) | 23.5 (8/28/2019) | (67.4 - 23.5)/(35 - 27) | 5.4875 |
| 2.6 (11/23/2021) | 23.5 (8/28/2019) | (2.6 - 23.5)/(36 - 27) | -2.32222 |
| 29.7 (1/10/2022) | 23.5 (8/28/2019) | (29.7 - 23.5)/(37 - 27) | 0.62 |
| 33.8 (4/7/2022) | 23.5 (8/28/2019) | (33.8 - 23.5)/(38 - 27) | 0.936364 |
| 30.8 (8/3/2022) | 23.5 (8/28/2019) | (30.8 - 23.5)/(39 - 27) | 0.608333 |
| 7.3 (11/16/2022) | 23.5 (8/28/2019) | (7.3 - 23.5)/(40 - 27) | -1.24615 |
| 38 (2/13/2023) | 23.5 (8/28/2019) | (38 - 23.5)/(41 - 27) | 1.03571 |
| 20 (5/24/2023) | 23.5 (8/28/2019) | (20 - 23.5)/(42 - 27) | -0.233333 |
| 12.4 (8/7/2023) | 23.5 (8/28/2019) | (12.4 - 23.5)/(43 - 27) | -0.69375 |
| 10.9 (12/12/2023) | 23.5 (8/28/2019) | (10.9 - 23.5)/(44 - 27) | -0.741176 |
| 220 (1/10/2024) | 23.5 (8/28/2019) | (220 - 23.5)/(45 - 27) | 10.9167 |
| 11.6 (5/20/2024) | 23.5 (8/28/2019) | (11.6 - 23.5)/(46 - 27) | -0.626316 |
| 12 (9/16/2024) | 23.5 (8/28/2019) | (12 - 23.5)/(47 - 27) | -0.575 |
| 7.8 (12/11/2024) | 23.5 (8/28/2019) | (7.8 - 23.5)/(48 - 27) | -0.747619 |
| 36.6 (2/18/2025) | 23.5 (8/28/2019) | (36.6 - 23.5)/(49 - 27) | 0.595455 |
| | | | |
| 27.1 (3/31/2020) | 17 (10/28/2019) | (27.1 - 17)/(29 - 28) | 10.1 |
| 22.8 (6/10/2020) | 17 (10/28/2019) | (22.8 - 17)/(30 - 28) | 2.9 |
| 22.8 (6/10/2020) | 17 (10/28/2019) | (22.8 - 17)/(30 - 28) | 2.9 |
| 11.3 (9/21/2020) | 17 (10/28/2019) | (11.3 - 17)/(31 - 28) | -1.9 |
| 18.6 (12/17/2020) | 17 (10/28/2019) | (18.6 - 17)/(32 - 28) | 0.4 |
| 55.6 (3/18/2021) | 17 (10/28/2019) | (55.6 - 17)/(33 - 28) | 7.72 |
| 43.7 (5/5/2021) | 17 (10/28/2019) | (43.7 - 17)/(34 - 28) | 4.45 |
| 67.4 (9/2/2021) | 17 (10/28/2019) | (67.4 - 17)/(35 - 28) | 7.2 |
| 2.6 (11/23/2021) | 17 (10/28/2019) | (2.6 - 17)/(36 - 28) | -1.8 |
| 29.7 (1/10/2022) | 17 (10/28/2019) | (29.7 - 17)/(37 - 28) | 1.41111 |
| 33.8 (4/7/2022) | 17 (10/28/2019) | (33.8 - 17)/(38 - 28) | 1.68 |
| 30.8 (8/3/2022) | 17 (10/28/2019) | (30.8 - 17)/(39 - 28) | 1.25455 |
| 7.3 (11/16/2022) | 17 (10/28/2019) | (7.3 - 17)/(40 - 28) | -0.808333 |
| 38 (2/13/2023) | 17 (10/28/2019) | (38 - 17)/(41 - 28) | 1.61538 |
| 20 (5/24/2023) | 17 (10/28/2019) | (20 - 17)/(42 - 28) | 0.214286 |
| 12.4 (8/7/2023) | 17 (10/28/2019) | (12.4 - 17)/(43 - 28) | -0.306667 |
| 10.9 (12/12/2023) | 17 (10/28/2019) | (10.9 - 17)/(44 - 28) | -0.38125 |
| 220 (1/10/2024) | 17 (10/28/2019) | (220 - 17)/(45 - 28) | 11.9412 |

| | | | |
|---|---|---|---|
| 11.6 (5/20/2024) | 17 (10/28/2019) | (11.6 - 17)/(46 - 28) | -0.3 |
| 12 (9/16/2024) | 17 (10/28/2019) | (12 - 17)/(47 - 28) | -0.263158 |
| 7.8 (12/11/2024) | 17 (10/28/2019) | (7.8 - 17)/(48 - 28) | -0.46 |
| 36.6 (2/18/2025) | 17 (10/28/2019) | (36.6 - 17)/(49 - 28) | 0.933333 |
| | | | |
| 22.8 (6/10/2020) | 27.1 (3/31/2020) | (22.8 - 27.1)/(30 - 29) | -4.3 |
| 22.8 (6/10/2020) | 27.1 (3/31/2020) | (22.8 - 27.1)/(30 - 29) | -4.3 |
| 11.3 (9/21/2020) | 27.1 (3/31/2020) | (11.3 - 27.1)/(31 - 29) | -7.9 |
| 18.6 (12/17/2020) | 27.1 (3/31/2020) | (18.6 - 27.1)/(32 - 29) | -2.83333 |
| 55.6 (3/18/2021) | 27.1 (3/31/2020) | (55.6 - 27.1)/(33 - 29) | 7.125 |
| 43.7 (5/5/2021) | 27.1 (3/31/2020) | (43.7 - 27.1)/(34 - 29) | 3.32 |
| 67.4 (9/2/2021) | 27.1 (3/31/2020) | (67.4 - 27.1)/(35 - 29) | 6.71667 |
| 2.6 (11/23/2021) | 27.1 (3/31/2020) | (2.6 - 27.1)/(36 - 29) | -3.5 |
| 29.7 (1/10/2022) | 27.1 (3/31/2020) | (29.7 - 27.1)/(37 - 29) | 0.325 |
| 33.8 (4/7/2022) | 27.1 (3/31/2020) | (33.8 - 27.1)/(38 - 29) | 0.744444 |
| 30.8 (8/3/2022) | 27.1 (3/31/2020) | (30.8 - 27.1)/(39 - 29) | 0.37 |
| 7.3 (11/16/2022) | 27.1 (3/31/2020) | (7.3 - 27.1)/(40 - 29) | -1.8 |
| 38 (2/13/2023) | 27.1 (3/31/2020) | (38 - 27.1)/(41 - 29) | 0.908333 |
| 20 (5/24/2023) | 27.1 (3/31/2020) | (20 - 27.1)/(42 - 29) | -0.546154 |
| 12.4 (8/7/2023) | 27.1 (3/31/2020) | (12.4 - 27.1)/(43 - 29) | -1.05 |
| 10.9 (12/12/2023) | 27.1 (3/31/2020) | (10.9 - 27.1)/(44 - 29) | -1.08 |
| 220 (1/10/2024) | 27.1 (3/31/2020) | (220 - 27.1)/(45 - 29) | 12.0563 |
| 11.6 (5/20/2024) | 27.1 (3/31/2020) | (11.6 - 27.1)/(46 - 29) | -0.911765 |
| 12 (9/16/2024) | 27.1 (3/31/2020) | (12 - 27.1)/(47 - 29) | -0.838889 |
| 7.8 (12/11/2024) | 27.1 (3/31/2020) | (7.8 - 27.1)/(48 - 29) | -1.01579 |
| 36.6 (2/18/2025) | 27.1 (3/31/2020) | (36.6 - 27.1)/(49 - 29) | 0.475 |
| | | | |
| 22.8 (6/10/2020) | 22.8 (6/10/2020) | (22.8 - 22.8)/(30 - 30) | Same Date |
| 11.3 (9/21/2020) | 22.8 (6/10/2020) | (11.3 - 22.8)/(31 - 30) | -11.5 |
| 18.6 (12/17/2020) | 22.8 (6/10/2020) | (18.6 - 22.8)/(32 - 30) | -2.1 |
| 55.6 (3/18/2021) | 22.8 (6/10/2020) | (55.6 - 22.8)/(33 - 30) | 10.9333 |
| 43.7 (5/5/2021) | 22.8 (6/10/2020) | (43.7 - 22.8)/(34 - 30) | 5.225 |
| 67.4 (9/2/2021) | 22.8 (6/10/2020) | (67.4 - 22.8)/(35 - 30) | 8.92 |
| 2.6 (11/23/2021) | 22.8 (6/10/2020) | (2.6 - 22.8)/(36 - 30) | -3.36667 |
| 29.7 (1/10/2022) | 22.8 (6/10/2020) | (29.7 - 22.8)/(37 - 30) | 0.985714 |
| 33.8 (4/7/2022) | 22.8 (6/10/2020) | (33.8 - 22.8)/(38 - 30) | 1.375 |
| 30.8 (8/3/2022) | 22.8 (6/10/2020) | (30.8 - 22.8)/(39 - 30) | 0.888889 |
| 7.3 (11/16/2022) | 22.8 (6/10/2020) | (7.3 - 22.8)/(40 - 30) | -1.55 |
| 38 (2/13/2023) | 22.8 (6/10/2020) | (38 - 22.8)/(41 - 30) | 1.38182 |
| 20 (5/24/2023) | 22.8 (6/10/2020) | (20 - 22.8)/(42 - 30) | -0.233333 |
| 12.4 (8/7/2023) | 22.8 (6/10/2020) | (12.4 - 22.8)/(43 - 30) | -0.8 |
| 10.9 (12/12/2023) | 22.8 (6/10/2020) | (10.9 - 22.8)/(44 - 30) | -0.85 |
| 220 (1/10/2024) | 22.8 (6/10/2020) | (220 - 22.8)/(45 - 30) | 13.1467 |
| 11.6 (5/20/2024) | 22.8 (6/10/2020) | (11.6 - 22.8)/(46 - 30) | -0.7 |
| 12 (9/16/2024) | 22.8 (6/10/2020) | (12 - 22.8)/(47 - 30) | -0.635294 |
| 7.8 (12/11/2024) | 22.8 (6/10/2020) | (7.8 - 22.8)/(48 - 30) | -0.833333 |
| 36.6 (2/18/2025) | 22.8 (6/10/2020) | (36.6 - 22.8)/(49 - 30) | 0.726316 |
| | | | |
| 11.3 (9/21/2020) | 22.8 (6/10/2020) | (11.3 - 22.8)/(31 - 30) | -11.5 |
| 18.6 (12/17/2020) | 22.8 (6/10/2020) | (18.6 - 22.8)/(32 - 30) | -2.1 |
| 55.6 (3/18/2021) | 22.8 (6/10/2020) | (55.6 - 22.8)/(33 - 30) | 10.9333 |
| 43.7 (5/5/2021) | 22.8 (6/10/2020) | (43.7 - 22.8)/(34 - 30) | 5.225 |
| 67.4 (9/2/2021) | 22.8 (6/10/2020) | (67.4 - 22.8)/(35 - 30) | 8.92 |
| 2.6 (11/23/2021) | 22.8 (6/10/2020) | (2.6 - 22.8)/(36 - 30) | -3.36667 |
| 29.7 (1/10/2022) | 22.8 (6/10/2020) | (29.7 - 22.8)/(37 - 30) | 0.985714 |
| 33.8 (4/7/2022) | 22.8 (6/10/2020) | (33.8 - 22.8)/(38 - 30) | 1.375 |
| 30.8 (8/3/2022) | 22.8 (6/10/2020) | (30.8 - 22.8)/(39 - 30) | 0.888889 |

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|---|---|---|---|
| 7.3 (11/16/2022) | 22.8 (6/10/2020) | (7.3 - 22.8)/(40 - 30) | -1.55 |
| 38 (2/13/2023) | 22.8 (6/10/2020) | (38 - 22.8)/(41 - 30) | 1.38182 |
| 20 (5/24/2023) | 22.8 (6/10/2020) | (20 - 22.8)/(42 - 30) | -0.233333 |
| 12.4 (8/7/2023) | 22.8 (6/10/2020) | (12.4 - 22.8)/(43 - 30) | -0.8 |
| 10.9 (12/12/2023) | 22.8 (6/10/2020) | (10.9 - 22.8)/(44 - 30) | -0.85 |
| 220 (1/10/2024) | 22.8 (6/10/2020) | (220 - 22.8)/(45 - 30) | 13.1467 |
| 11.6 (5/20/2024) | 22.8 (6/10/2020) | (11.6 - 22.8)/(46 - 30) | -0.7 |
| 12 (9/16/2024) | 22.8 (6/10/2020) | (12 - 22.8)/(47 - 30) | -0.635294 |
| 7.8 (12/11/2024) | 22.8 (6/10/2020) | (7.8 - 22.8)/(48 - 30) | -0.833333 |
| 36.6 (2/18/2025) | 22.8 (6/10/2020) | (36.6 - 22.8)/(49 - 30) | 0.726316 |
| | | | |
| 18.6 (12/17/2020) | 11.3 (9/21/2020) | (18.6 - 11.3)/(32 - 31) | 7.3 |
| 55.6 (3/18/2021) | 11.3 (9/21/2020) | (55.6 - 11.3)/(33 - 31) | 22.15 |
| 43.7 (5/5/2021) | 11.3 (9/21/2020) | (43.7 - 11.3)/(34 - 31) | 10.8 |
| 67.4 (9/2/2021) | 11.3 (9/21/2020) | (67.4 - 11.3)/(35 - 31) | 14.025 |
| 2.6 (11/23/2021) | 11.3 (9/21/2020) | (2.6 - 11.3)/(36 - 31) | -1.74 |
| 29.7 (1/10/2022) | 11.3 (9/21/2020) | (29.7 - 11.3)/(37 - 31) | 3.06667 |
| 33.8 (4/7/2022) | 11.3 (9/21/2020) | (33.8 - 11.3)/(38 - 31) | 3.21429 |
| 30.8 (8/3/2022) | 11.3 (9/21/2020) | (30.8 - 11.3)/(39 - 31) | 2.4375 |
| 7.3 (11/16/2022) | 11.3 (9/21/2020) | (7.3 - 11.3)/(40 - 31) | -0.444444 |
| 38 (2/13/2023) | 11.3 (9/21/2020) | (38 - 11.3)/(41 - 31) | 2.67 |
| 20 (5/24/2023) | 11.3 (9/21/2020) | (20 - 11.3)/(42 - 31) | 0.790909 |
| 12.4 (8/7/2023) | 11.3 (9/21/2020) | (12.4 - 11.3)/(43 - 31) | 0.0916667 |
| 10.9 (12/12/2023) | 11.3 (9/21/2020) | (10.9 - 11.3)/(44 - 31) | -0.0307692 |
| 220 (1/10/2024) | 11.3 (9/21/2020) | (220 - 11.3)/(45 - 31) | 14.9071 |
| 11.6 (5/20/2024) | 11.3 (9/21/2020) | (11.6 - 11.3)/(46 - 31) | 0.02 |
| 12 (9/16/2024) | 11.3 (9/21/2020) | (12 - 11.3)/(47 - 31) | 0.04375 |
| 7.8 (12/11/2024) | 11.3 (9/21/2020) | (7.8 - 11.3)/(48 - 31) | -0.205882 |
| 36.6 (2/18/2025) | 11.3 (9/21/2020) | (36.6 - 11.3)/(49 - 31) | 1.40556 |
| | | | |
| 55.6 (3/18/2021) | 18.6 (12/17/2020) | (55.6 - 18.6)/(33 - 32) | 37 |
| 43.7 (5/5/2021) | 18.6 (12/17/2020) | (43.7 - 18.6)/(34 - 32) | 12.55 |
| 67.4 (9/2/2021) | 18.6 (12/17/2020) | (67.4 - 18.6)/(35 - 32) | 16.2667 |
| 2.6 (11/23/2021) | 18.6 (12/17/2020) | (2.6 - 18.6)/(36 - 32) | -4 |
| 29.7 (1/10/2022) | 18.6 (12/17/2020) | (29.7 - 18.6)/(37 - 32) | 2.22 |
| 33.8 (4/7/2022) | 18.6 (12/17/2020) | (33.8 - 18.6)/(38 - 32) | 2.53333 |
| 30.8 (8/3/2022) | 18.6 (12/17/2020) | (30.8 - 18.6)/(39 - 32) | 1.74286 |
| 7.3 (11/16/2022) | 18.6 (12/17/2020) | (7.3 - 18.6)/(40 - 32) | -1.4125 |
| 38 (2/13/2023) | 18.6 (12/17/2020) | (38 - 18.6)/(41 - 32) | 2.15556 |
| 20 (5/24/2023) | 18.6 (12/17/2020) | (20 - 18.6)/(42 - 32) | 0.14 |
| 12.4 (8/7/2023) | 18.6 (12/17/2020) | (12.4 - 18.6)/(43 - 32) | -0.563636 |
| 10.9 (12/12/2023) | 18.6 (12/17/2020) | (10.9 - 18.6)/(44 - 32) | -0.641667 |
| 220 (1/10/2024) | 18.6 (12/17/2020) | (220 - 18.6)/(45 - 32) | 15.4923 |
| 11.6 (5/20/2024) | 18.6 (12/17/2020) | (11.6 - 18.6)/(46 - 32) | -0.5 |
| 12 (9/16/2024) | 18.6 (12/17/2020) | (12 - 18.6)/(47 - 32) | -0.44 |
| 7.8 (12/11/2024) | 18.6 (12/17/2020) | (7.8 - 18.6)/(48 - 32) | -0.675 |
| 36.6 (2/18/2025) | 18.6 (12/17/2020) | (36.6 - 18.6)/(49 - 32) | 1.05882 |
| | | | |
| 43.7 (5/5/2021) | 55.6 (3/18/2021) | (43.7 - 55.6)/(34 - 33) | -11.9 |
| 67.4 (9/2/2021) | 55.6 (3/18/2021) | (67.4 - 55.6)/(35 - 33) | 5.9 |
| 2.6 (11/23/2021) | 55.6 (3/18/2021) | (2.6 - 55.6)/(36 - 33) | -17.6667 |
| 29.7 (1/10/2022) | 55.6 (3/18/2021) | (29.7 - 55.6)/(37 - 33) | -6.475 |
| 33.8 (4/7/2022) | 55.6 (3/18/2021) | (33.8 - 55.6)/(38 - 33) | -4.36 |
| 30.8 (8/3/2022) | 55.6 (3/18/2021) | (30.8 - 55.6)/(39 - 33) | -4.13333 |
| 7.3 (11/16/2022) | 55.6 (3/18/2021) | (7.3 - 55.6)/(40 - 33) | -6.9 |
| 38 (2/13/2023) | 55.6 (3/18/2021) | (38 - 55.6)/(41 - 33) | -2.2 |
| 20 (5/24/2023) | 55.6 (3/18/2021) | (20 - 55.6)/(42 - 33) | -3.95556 |

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|---|---|---|---|
| 12.4 (8/7/2023) | 55.6 (3/18/2021) | (12.4 - 55.6)/(43 - 33) | -4.32 |
| 10.9 (12/12/2023) | 55.6 (3/18/2021) | (10.9 - 55.6)/(44 - 33) | -4.06364 |
| 220 (1/10/2024) | 55.6 (3/18/2021) | (220 - 55.6)/(45 - 33) | 13.7 |
| 11.6 (5/20/2024) | 55.6 (3/18/2021) | (11.6 - 55.6)/(46 - 33) | -3.38462 |
| 12 (9/16/2024) | 55.6 (3/18/2021) | (12 - 55.6)/(47 - 33) | -3.11429 |
| 7.8 (12/11/2024) | 55.6 (3/18/2021) | (7.8 - 55.6)/(48 - 33) | -3.18667 |
| 36.6 (2/18/2025) | 55.6 (3/18/2021) | (36.6 - 55.6)/(49 - 33) | -1.1875 |
| | | | |
| 67.4 (9/2/2021) | 43.7 (5/5/2021) | (67.4 - 43.7)/(35 - 34) | 23.7 |
| 2.6 (11/23/2021) | 43.7 (5/5/2021) | (2.6 - 43.7)/(36 - 34) | -20.55 |
| 29.7 (1/10/2022) | 43.7 (5/5/2021) | (29.7 - 43.7)/(37 - 34) | -4.66667 |
| 33.8 (4/7/2022) | 43.7 (5/5/2021) | (33.8 - 43.7)/(38 - 34) | -2.475 |
| 30.8 (8/3/2022) | 43.7 (5/5/2021) | (30.8 - 43.7)/(39 - 34) | -2.58 |
| 7.3 (11/16/2022) | 43.7 (5/5/2021) | (7.3 - 43.7)/(40 - 34) | -6.06667 |
| 38 (2/13/2023) | 43.7 (5/5/2021) | (38 - 43.7)/(41 - 34) | -0.814286 |
| 20 (5/24/2023) | 43.7 (5/5/2021) | (20 - 43.7)/(42 - 34) | -2.9625 |
| 12.4 (8/7/2023) | 43.7 (5/5/2021) | (12.4 - 43.7)/(43 - 34) | -3.47778 |
| 10.9 (12/12/2023) | 43.7 (5/5/2021) | (10.9 - 43.7)/(44 - 34) | -3.28 |
| 220 (1/10/2024) | 43.7 (5/5/2021) | (220 - 43.7)/(45 - 34) | 16.0273 |
| 11.6 (5/20/2024) | 43.7 (5/5/2021) | (11.6 - 43.7)/(46 - 34) | -2.675 |
| 12 (9/16/2024) | 43.7 (5/5/2021) | (12 - 43.7)/(47 - 34) | -2.43846 |
| 7.8 (12/11/2024) | 43.7 (5/5/2021) | (7.8 - 43.7)/(48 - 34) | -2.56429 |
| 36.6 (2/18/2025) | 43.7 (5/5/2021) | (36.6 - 43.7)/(49 - 34) | -0.473333 |
| | | | |
| 2.6 (11/23/2021) | 67.4 (9/2/2021) | (2.6 - 67.4)/(36 - 35) | -64.8 |
| 29.7 (1/10/2022) | 67.4 (9/2/2021) | (29.7 - 67.4)/(37 - 35) | -18.85 |
| 33.8 (4/7/2022) | 67.4 (9/2/2021) | (33.8 - 67.4)/(38 - 35) | -11.2 |
| 30.8 (8/3/2022) | 67.4 (9/2/2021) | (30.8 - 67.4)/(39 - 35) | -9.15 |
| 7.3 (11/16/2022) | 67.4 (9/2/2021) | (7.3 - 67.4)/(40 - 35) | -12.02 |
| 38 (2/13/2023) | 67.4 (9/2/2021) | (38 - 67.4)/(41 - 35) | -4.9 |
| 20 (5/24/2023) | 67.4 (9/2/2021) | (20 - 67.4)/(42 - 35) | -6.77143 |
| 12.4 (8/7/2023) | 67.4 (9/2/2021) | (12.4 - 67.4)/(43 - 35) | -6.875 |
| 10.9 (12/12/2023) | 67.4 (9/2/2021) | (10.9 - 67.4)/(44 - 35) | -6.27778 |
| 220 (1/10/2024) | 67.4 (9/2/2021) | (220 - 67.4)/(45 - 35) | 15.26 |
| 11.6 (5/20/2024) | 67.4 (9/2/2021) | (11.6 - 67.4)/(46 - 35) | -5.07273 |
| 12 (9/16/2024) | 67.4 (9/2/2021) | (12 - 67.4)/(47 - 35) | -4.61667 |
| 7.8 (12/11/2024) | 67.4 (9/2/2021) | (7.8 - 67.4)/(48 - 35) | -4.58462 |
| 36.6 (2/18/2025) | 67.4 (9/2/2021) | (36.6 - 67.4)/(49 - 35) | -2.2 |
| | | | |
| 29.7 (1/10/2022) | 2.6 (11/23/2021) | (29.7 - 2.6)/(37 - 36) | 27.1 |
| 33.8 (4/7/2022) | 2.6 (11/23/2021) | (33.8 - 2.6)/(38 - 36) | 15.6 |
| 30.8 (8/3/2022) | 2.6 (11/23/2021) | (30.8 - 2.6)/(39 - 36) | 9.4 |
| 7.3 (11/16/2022) | 2.6 (11/23/2021) | (7.3 - 2.6)/(40 - 36) | 1.175 |
| 38 (2/13/2023) | 2.6 (11/23/2021) | (38 - 2.6)/(41 - 36) | 7.08 |
| 20 (5/24/2023) | 2.6 (11/23/2021) | (20 - 2.6)/(42 - 36) | 2.9 |
| 12.4 (8/7/2023) | 2.6 (11/23/2021) | (12.4 - 2.6)/(43 - 36) | 1.4 |
| 10.9 (12/12/2023) | 2.6 (11/23/2021) | (10.9 - 2.6)/(44 - 36) | 1.0375 |
| 220 (1/10/2024) | 2.6 (11/23/2021) | (220 - 2.6)/(45 - 36) | 24.1556 |
| 11.6 (5/20/2024) | 2.6 (11/23/2021) | (11.6 - 2.6)/(46 - 36) | 0.9 |
| 12 (9/16/2024) | 2.6 (11/23/2021) | (12 - 2.6)/(47 - 36) | 0.854545 |
| 7.8 (12/11/2024) | 2.6 (11/23/2021) | (7.8 - 2.6)/(48 - 36) | 0.433333 |
| 36.6 (2/18/2025) | 2.6 (11/23/2021) | (36.6 - 2.6)/(49 - 36) | 2.61538 |
| | | | |
| 33.8 (4/7/2022) | 29.7 (1/10/2022) | (33.8 - 29.7)/(38 - 37) | 4.1 |
| 30.8 (8/3/2022) | 29.7 (1/10/2022) | (30.8 - 29.7)/(39 - 37) | 0.55 |
| 7.3 (11/16/2022) | 29.7 (1/10/2022) | (7.3 - 29.7)/(40 - 37) | -7.46667 |
| 38 (2/13/2023) | 29.7 (1/10/2022) | (38 - 29.7)/(41 - 37) | 2.075 |

| | | | |
|---|---|---|---|
| 20 (5/24/2023) | 29.7 (1/10/2022) | (20 - 29.7)/(42 - 37) | -1.94 |
| 12.4 (8/7/2023) | 29.7 (1/10/2022) | (12.4 - 29.7)/(43 - 37) | -2.88333 |
| 10.9 (12/12/2023) | 29.7 (1/10/2022) | (10.9 - 29.7)/(44 - 37) | -2.68571 |
| 220 (1/10/2024) | 29.7 (1/10/2022) | (220 - 29.7)/(45 - 37) | 23.7875 |
| 11.6 (5/20/2024) | 29.7 (1/10/2022) | (11.6 - 29.7)/(46 - 37) | -2.01111 |
| 12 (9/16/2024) | 29.7 (1/10/2022) | (12 - 29.7)/(47 - 37) | -1.77 |
| 7.8 (12/11/2024) | 29.7 (1/10/2022) | (7.8 - 29.7)/(48 - 37) | -1.99091 |
| 36.6 (2/18/2025) | 29.7 (1/10/2022) | (36.6 - 29.7)/(49 - 37) | 0.575 |
| | | | |
| 30.8 (8/3/2022) | 33.8 (4/7/2022) | (30.8 - 33.8)/(39 - 38) | -3 |
| 7.3 (11/16/2022) | 33.8 (4/7/2022) | (7.3 - 33.8)/(40 - 38) | -13.25 |
| 38 (2/13/2023) | 33.8 (4/7/2022) | (38 - 33.8)/(41 - 38) | 1.4 |
| 20 (5/24/2023) | 33.8 (4/7/2022) | (20 - 33.8)/(42 - 38) | -3.45 |
| 12.4 (8/7/2023) | 33.8 (4/7/2022) | (12.4 - 33.8)/(43 - 38) | -4.28 |
| 10.9 (12/12/2023) | 33.8 (4/7/2022) | (10.9 - 33.8)/(44 - 38) | -3.81667 |
| 220 (1/10/2024) | 33.8 (4/7/2022) | (220 - 33.8)/(45 - 38) | 26.6 |
| 11.6 (5/20/2024) | 33.8 (4/7/2022) | (11.6 - 33.8)/(46 - 38) | -2.775 |
| 12 (9/16/2024) | 33.8 (4/7/2022) | (12 - 33.8)/(47 - 38) | -2.42222 |
| 7.8 (12/11/2024) | 33.8 (4/7/2022) | (7.8 - 33.8)/(48 - 38) | -2.6 |
| 36.6 (2/18/2025) | 33.8 (4/7/2022) | (36.6 - 33.8)/(49 - 38) | 0.254545 |
| | | | |
| 7.3 (11/16/2022) | 30.8 (8/3/2022) | (7.3 - 30.8)/(40 - 39) | -23.5 |
| 38 (2/13/2023) | 30.8 (8/3/2022) | (38 - 30.8)/(41 - 39) | 3.6 |
| 20 (5/24/2023) | 30.8 (8/3/2022) | (20 - 30.8)/(42 - 39) | -3.6 |
| 12.4 (8/7/2023) | 30.8 (8/3/2022) | (12.4 - 30.8)/(43 - 39) | -4.6 |
| 10.9 (12/12/2023) | 30.8 (8/3/2022) | (10.9 - 30.8)/(44 - 39) | -3.98 |
| 220 (1/10/2024) | 30.8 (8/3/2022) | (220 - 30.8)/(45 - 39) | 31.5333 |
| 11.6 (5/20/2024) | 30.8 (8/3/2022) | (11.6 - 30.8)/(46 - 39) | -2.74286 |
| 12 (9/16/2024) | 30.8 (8/3/2022) | (12 - 30.8)/(47 - 39) | -2.35 |
| 7.8 (12/11/2024) | 30.8 (8/3/2022) | (7.8 - 30.8)/(48 - 39) | -2.55556 |
| 36.6 (2/18/2025) | 30.8 (8/3/2022) | (36.6 - 30.8)/(49 - 39) | 0.58 |
| | | | |
| 38 (2/13/2023) | 7.3 (11/16/2022) | (38 - 7.3)/(41 - 40) | 30.7 |
| 20 (5/24/2023) | 7.3 (11/16/2022) | (20 - 7.3)/(42 - 40) | 6.35 |
| 12.4 (8/7/2023) | 7.3 (11/16/2022) | (12.4 - 7.3)/(43 - 40) | 1.7 |
| 10.9 (12/12/2023) | 7.3 (11/16/2022) | (10.9 - 7.3)/(44 - 40) | 0.9 |
| 220 (1/10/2024) | 7.3 (11/16/2022) | (220 - 7.3)/(45 - 40) | 42.54 |
| 11.6 (5/20/2024) | 7.3 (11/16/2022) | (11.6 - 7.3)/(46 - 40) | 0.716667 |
| 12 (9/16/2024) | 7.3 (11/16/2022) | (12 - 7.3)/(47 - 40) | 0.671429 |
| 7.8 (12/11/2024) | 7.3 (11/16/2022) | (7.8 - 7.3)/(48 - 40) | 0.0625 |
| 36.6 (2/18/2025) | 7.3 (11/16/2022) | (36.6 - 7.3)/(49 - 40) | 3.25556 |
| | | | |
| 20 (5/24/2023) | 38 (2/13/2023) | (20 - 38)/(42 - 41) | -18 |
| 12.4 (8/7/2023) | 38 (2/13/2023) | (12.4 - 38)/(43 - 41) | -12.8 |
| 10.9 (12/12/2023) | 38 (2/13/2023) | (10.9 - 38)/(44 - 41) | -9.03333 |
| 220 (1/10/2024) | 38 (2/13/2023) | (220 - 38)/(45 - 41) | 45.5 |
| 11.6 (5/20/2024) | 38 (2/13/2023) | (11.6 - 38)/(46 - 41) | -5.28 |
| 12 (9/16/2024) | 38 (2/13/2023) | (12 - 38)/(47 - 41) | -4.33333 |
| 7.8 (12/11/2024) | 38 (2/13/2023) | (7.8 - 38)/(48 - 41) | -4.31429 |
| 36.6 (2/18/2025) | 38 (2/13/2023) | (36.6 - 38)/(49 - 41) | -0.175 |
| | | | |
| 12.4 (8/7/2023) | 20 (5/24/2023) | (12.4 - 20)/(43 - 42) | -7.6 |
| 10.9 (12/12/2023) | 20 (5/24/2023) | (10.9 - 20)/(44 - 42) | -4.55 |
| 220 (1/10/2024) | 20 (5/24/2023) | (220 - 20)/(45 - 42) | 66.6667 |
| 11.6 (5/20/2024) | 20 (5/24/2023) | (11.6 - 20)/(46 - 42) | -2.1 |
| 12 (9/16/2024) | 20 (5/24/2023) | (12 - 20)/(47 - 42) | -1.6 |
| 7.8 (12/11/2024) | 20 (5/24/2023) | (7.8 - 20)/(48 - 42) | -2.03333 |

| | | | |
|---|---|---|---|
| 36.6 (2/18/2025) | 20 (5/24/2023) | (36.6 - 20)/(49 - 42) | 2.37143 |
| | | | |
| 10.9 (12/12/2023) | 12.4 (8/7/2023) | (10.9 - 12.4)/(44 - 43) | -1.5 |
| 220 (1/10/2024) | 12.4 (8/7/2023) | (220 - 12.4)/(45 - 43) | 103.8 |
| 11.6 (5/20/2024) | 12.4 (8/7/2023) | (11.6 - 12.4)/(46 - 43) | -0.266667 |
| 12 (9/16/2024) | 12.4 (8/7/2023) | (12 - 12.4)/(47 - 43) | -0.1 |
| 7.8 (12/11/2024) | 12.4 (8/7/2023) | (7.8 - 12.4)/(48 - 43) | -0.92 |
| 36.6 (2/18/2025) | 12.4 (8/7/2023) | (36.6 - 12.4)/(49 - 43) | 4.03333 |
| | | | |
| 220 (1/10/2024) | 10.9 (12/12/2023) | (220 - 10.9)/(45 - 44) | 209.1 |
| 11.6 (5/20/2024) | 10.9 (12/12/2023) | (11.6 - 10.9)/(46 - 44) | 0.35 |
| 12 (9/16/2024) | 10.9 (12/12/2023) | (12 - 10.9)/(47 - 44) | 0.366667 |
| 7.8 (12/11/2024) | 10.9 (12/12/2023) | (7.8 - 10.9)/(48 - 44) | -0.775 |
| 36.6 (2/18/2025) | 10.9 (12/12/2023) | (36.6 - 10.9)/(49 - 44) | 5.14 |
| | | | |
| 11.6 (5/20/2024) | 220 (1/10/2024) | (11.6 - 220)/(46 - 45) | -208.4 |
| 12 (9/16/2024) | 220 (1/10/2024) | (12 - 220)/(47 - 45) | -104 |
| 7.8 (12/11/2024) | 220 (1/10/2024) | (7.8 - 220)/(48 - 45) | -70.7333 |
| 36.6 (2/18/2025) | 220 (1/10/2024) | (36.6 - 220)/(49 - 45) | -45.85 |
| | | | |
| 12 (9/16/2024) | 11.6 (5/20/2024) | (12 - 11.6)/(47 - 46) | 0.4 |
| 7.8 (12/11/2024) | 11.6 (5/20/2024) | (7.8 - 11.6)/(48 - 46) | -1.9 |
| 36.6 (2/18/2025) | 11.6 (5/20/2024) | (36.6 - 11.6)/(49 - 46) | 8.33333 |
| | | | |
| 7.8 (12/11/2024) | 12 (9/16/2024) | (7.8 - 12)/(48 - 47) | -4.2 |
| 36.6 (2/18/2025) | 12 (9/16/2024) | (36.6 - 12)/(49 - 47) | 12.3 |
| | | | |
| 36.6 (2/18/2025) | 7.8 (12/11/2024) | (36.6 - 7.8)/(49 - 48) | 28.8 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -208.4 |
| 2 | -104 |
| 3 | -70.7333 |
| 4 | -64.8 |
| 5 | -60.8 |
| 6 | -59.6 |
| 7 | -58 |
| 8 | -47.9 |
| 9 | -46.3 |
| 10 | -45.85 |
| 11 | -32 |
| 12 | -31.8 |
| 13 | -30.3667 |
| 14 | -30.3 |
| 15 | -30.05 |
| 16 | -23.5 |
| 17 | -22.5 |
| 18 | -20.875 |
| 19 | -20.55 |
| 20 | -18.85 |
| 21 | -18.7667 |
| 22 | -18.0333 |
| 23 | -18 |

| | |
|---|---|
| 24 | -18 |
| 25 | -17.6667 |
| 26 | -16.6667 |
| 27 | -16.4333 |
| 28 | -16.3 |
| 29 | -15.375 |
| 30 | -15.15 |
| 31 | -14.425 |
| 32 | -13.3167 |
| 33 | -13.25 |
| 34 | -13 |
| 35 | -12.8 |
| 36 | -12.2 |
| 37 | -12.0286 |
| 38 | -12.0286 |
| 39 | -12.02 |
| 40 | -12 |
| 41 | -11.9625 |
| 42 | -11.9 |
| 43 | -11.7333 |
| 44 | -11.54 |
| 45 | -11.5 |
| 46 | -11.5 |
| 47 | -11.2 |
| 48 | -11.2 |
| 49 | -9.85 |
| 50 | -9.82222 |
| 51 | -9.8 |
| 52 | -9.25 |
| 53 | -9.15 |
| 54 | -9.03333 |
| 55 | -9 |
| 56 | -8.94286 |
| 57 | -8.15 |
| 58 | -8.03077 |
| 59 | -7.94286 |
| 60 | -7.9 |
| 61 | -7.6 |
| 62 | -7.56667 |
| 63 | -7.46667 |
| 64 | -7.3 |
| 65 | -7.175 |
| 66 | -7.11111 |
| 67 | -6.9 |
| 68 | -6.875 |
| 69 | -6.8 |
| 70 | -6.77143 |
| 71 | -6.7625 |
| 72 | -6.66 |
| 73 | -6.52222 |
| 74 | -6.5 |
| 75 | -6.475 |
| 76 | -6.27778 |
| 77 | -6.06667 |
| 78 | -6 |
| 79 | -5.86471 |
| 80 | -5.75455 |

| | |
|---|---|
| 81 | -5.52143 |
| 82 | -5.46364 |
| 83 | -5.3 |
| 84 | -5.28 |
| 85 | -5.16667 |
| 86 | -5.14 |
| 87 | -5.07273 |
| 88 | -5 |
| 89 | -4.98571 |
| 90 | -4.95 |
| 91 | -4.94 |
| 92 | -4.9 |
| 93 | -4.88 |
| 94 | -4.7625 |
| 95 | -4.73 |
| 96 | -4.66667 |
| 97 | -4.63077 |
| 98 | -4.61667 |
| 99 | -4.6 |
| 100 | -4.58462 |
| 101 | -4.57895 |
| 102 | -4.57619 |
| 103 | -4.55 |
| 104 | -4.51538 |
| 105 | -4.48571 |
| 106 | -4.36 |
| 107 | -4.33333 |
| 108 | -4.32 |
| 109 | -4.31429 |
| 110 | -4.3 |
| 111 | -4.3 |
| 112 | -4.28 |
| 113 | -4.25 |
| 114 | -4.23333 |
| 115 | -4.2 |
| 116 | -4.2 |
| 117 | -4.19286 |
| 118 | -4.15455 |
| 119 | -4.14783 |
| 120 | -4.14444 |
| 121 | -4.13333 |
| 122 | -4.10667 |
| 123 | -4.06364 |
| 124 | -4 |
| 125 | -3.98 |
| 126 | -3.968 |
| 127 | -3.96667 |
| 128 | -3.95833 |
| 129 | -3.95556 |
| 130 | -3.93333 |
| 131 | -3.93333 |
| 132 | -3.925 |
| 133 | -3.9 |
| 134 | -3.9 |
| 135 | -3.9 |
| 136 | -3.88 |
| 137 | -3.83333 |

| | |
|---|---|
| 138 | -3.82 |
| 139 | -3.81667 |
| 140 | -3.775 |
| 141 | -3.75625 |
| 142 | -3.74444 |
| 143 | -3.67143 |
| 144 | -3.63333 |
| 145 | -3.6 |
| 146 | -3.6 |
| 147 | -3.6 |
| 148 | -3.53333 |
| 149 | -3.5 |
| 150 | -3.47778 |
| 151 | -3.46667 |
| 152 | -3.45 |
| 153 | -3.45 |
| 154 | -3.4125 |
| 155 | -3.40667 |
| 156 | -3.38462 |
| 157 | -3.36667 |
| 158 | -3.36667 |
| 159 | -3.33158 |
| 160 | -3.3 |
| 161 | -3.28 |
| 162 | -3.27778 |
| 163 | -3.26667 |
| 164 | -3.18889 |
| 165 | -3.18667 |
| 166 | -3.11429 |
| 167 | -3.08824 |
| 168 | -3.08095 |
| 169 | -3.05 |
| 170 | -3 |
| 171 | -3 |
| 172 | -2.9625 |
| 173 | -2.88333 |
| 174 | -2.87778 |
| 175 | -2.87778 |
| 176 | -2.85 |
| 177 | -2.83333 |
| 178 | -2.82941 |
| 179 | -2.82308 |
| 180 | -2.8 |
| 181 | -2.79412 |
| 182 | -2.775 |
| 183 | -2.74286 |
| 184 | -2.70769 |
| 185 | -2.68571 |
| 186 | -2.675 |
| 187 | -2.66 |
| 188 | -2.66 |
| 189 | -2.60909 |
| 190 | -2.6 |
| 191 | -2.6 |
| 192 | -2.6 |
| 193 | -2.58 |
| 194 | -2.57368 |

| | |
|---|---|
| 195 | -2.56429 |
| 196 | -2.55556 |
| 197 | -2.50909 |
| 198 | -2.475 |
| 199 | -2.47143 |
| 200 | -2.45 |
| 201 | -2.43846 |
| 202 | -2.43125 |
| 203 | -2.42222 |
| 204 | -2.40357 |
| 205 | -2.37857 |
| 206 | -2.36667 |
| 207 | -2.3619 |
| 208 | -2.35 |
| 209 | -2.325 |
| 210 | -2.32222 |
| 211 | -2.304 |
| 212 | -2.29 |
| 213 | -2.27308 |
| 214 | -2.21053 |
| 215 | -2.2 |
| 216 | -2.2 |
| 217 | -2.18636 |
| 218 | -2.15556 |
| 219 | -2.12857 |
| 220 | -2.12105 |
| 221 | -2.11 |
| 222 | -2.1 |
| 223 | -2.1 |
| 224 | -2.1 |
| 225 | -2.08571 |
| 226 | -2.08333 |
| 227 | -2.08333 |
| 228 | -2.07333 |
| 229 | -2.03333 |
| 230 | -2.01111 |
| 231 | -2.00645 |
| 232 | -2 |
| 233 | -2 |
| 234 | -1.99091 |
| 235 | -1.99062 |
| 236 | -1.95833 |
| 237 | -1.95185 |
| 238 | -1.94444 |
| 239 | -1.94 |
| 240 | -1.92727 |
| 241 | -1.91875 |
| 242 | -1.91471 |
| 243 | -1.9 |
| 244 | -1.9 |
| 245 | -1.875 |
| 246 | -1.86667 |
| 247 | -1.85556 |
| 248 | -1.85294 |
| 249 | -1.82 |
| 250 | -1.81 |
| 251 | -1.8 |

| | |
|---|---|
| 252 | -1.8 |
| 253 | -1.796 |
| 254 | -1.79474 |
| 255 | -1.78889 |
| 256 | -1.78857 |
| 257 | -1.78 |
| 258 | -1.77895 |
| 259 | -1.77 |
| 260 | -1.765 |
| 261 | -1.76087 |
| 262 | -1.75 |
| 263 | -1.74 |
| 264 | -1.73333 |
| 265 | -1.72973 |
| 266 | -1.71481 |
| 267 | -1.67692 |
| 268 | -1.67692 |
| 269 | -1.66667 |
| 270 | -1.64375 |
| 271 | -1.63333 |
| 272 | -1.62222 |
| 273 | -1.62174 |
| 274 | -1.62143 |
| 275 | -1.61429 |
| 276 | -1.6 |
| 277 | -1.6 |
| 278 | -1.58462 |
| 279 | -1.58462 |
| 280 | -1.575 |
| 281 | -1.575 |
| 282 | -1.57273 |
| 283 | -1.56923 |
| 284 | -1.55862 |
| 285 | -1.55 |
| 286 | -1.55 |
| 287 | -1.54444 |
| 288 | -1.50714 |
| 289 | -1.50667 |
| 290 | -1.5 |
| 291 | -1.49231 |
| 292 | -1.48696 |
| 293 | -1.476 |
| 294 | -1.46667 |
| 295 | -1.45833 |
| 296 | -1.45556 |
| 297 | -1.42857 |
| 298 | -1.4125 |
| 299 | -1.40455 |
| 300 | -1.4 |
| 301 | -1.3913 |
| 302 | -1.37273 |
| 303 | -1.37 |
| 304 | -1.36667 |
| 305 | -1.36364 |
| 306 | -1.35 |
| 307 | -1.34583 |
| 308 | -1.33333 |

| | |
|---|---|
| 309 | -1.33 |
| 310 | -1.3275 |
| 311 | -1.32308 |
| 312 | -1.27727 |
| 313 | -1.26923 |
| 314 | -1.2625 |
| 315 | -1.26207 |
| 316 | -1.24815 |
| 317 | -1.24762 |
| 318 | -1.24615 |
| 319 | -1.24286 |
| 320 | -1.23846 |
| 321 | -1.22581 |
| 322 | -1.2093 |
| 323 | -1.1875 |
| 324 | -1.1871 |
| 325 | -1.16667 |
| 326 | -1.15789 |
| 327 | -1.13793 |
| 328 | -1.08667 |
| 329 | -1.08 |
| 330 | -1.07742 |
| 331 | -1.07273 |
| 332 | -1.05 |
| 333 | -1.04783 |
| 334 | -1.03939 |
| 335 | -1.02703 |
| 336 | -1.02667 |
| 337 | -1.025 |
| 338 | -1.01579 |
| 339 | -1.01026 |
| 340 | -1.00625 |
| 341 | -1 |
| 342 | -1 |
| 343 | -1 |
| 344 | -1 |
| 345 | -0.994444 |
| 346 | -0.984 |
| 347 | -0.98 |
| 348 | -0.96 |
| 349 | -0.948571 |
| 350 | -0.948387 |
| 351 | -0.92 |
| 352 | -0.92 |
| 353 | -0.911765 |
| 354 | -0.904762 |
| 355 | -0.89 |
| 356 | -0.888235 |
| 357 | -0.886957 |
| 358 | -0.886667 |
| 359 | -0.885714 |
| 360 | -0.88 |
| 361 | -0.871429 |
| 362 | -0.855556 |
| 363 | -0.853846 |
| 364 | -0.85 |
| 365 | -0.85 |

| | |
|---|---|
| 366 | -0.85 |
| 367 | -0.838889 |
| 368 | -0.833333 |
| 369 | -0.833333 |
| 370 | -0.830769 |
| 371 | -0.814286 |
| 372 | -0.808333 |
| 373 | -0.8 |
| 374 | -0.8 |
| 375 | -0.796154 |
| 376 | -0.777778 |
| 377 | -0.775 |
| 378 | -0.766667 |
| 379 | -0.766667 |
| 380 | -0.75 |
| 381 | -0.747619 |
| 382 | -0.747619 |
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| 1114 | 5.69444 |
| 1115 | 5.72222 |
| 1116 | 5.8125 |
| 1117 | 5.84444 |
| 1118 | 5.9 |
| 1119 | 5.98824 |
| 1120 | 6.04063 |
| 1121 | 6.08571 |
| 1122 | 6.11111 |
| 1123 | 6.22222 |
| 1124 | 6.26429 |
| 1125 | 6.35 |
| 1126 | 6.5 |
| 1127 | 6.57143 |
| 1128 | 6.62903 |
| 1129 | 6.71667 |
| 1130 | 6.72333 |
| 1131 | 6.84 |
| 1132 | 7.00345 |
| 1133 | 7.08 |
| 1134 | 7.125 |
| 1135 | 7.125 |
| 1136 | 7.2 |
| 1137 | 7.3 |
| 1138 | 7.4 |
| 1139 | 7.55 |
| 1140 | 7.6 |
| 1141 | 7.65714 |
| 1142 | 7.71429 |
| 1143 | 7.72 |
| 1144 | 7.9 |
| 1145 | 8 |
| 1146 | 8.03 |
| 1147 | 8.27619 |
| 1148 | 8.33333 |
| 1149 | 8.424 |
| 1150 | 8.46957 |
| 1151 | 8.50417 |
| 1152 | 8.66 |
| 1153 | 8.8 |
| 1154 | 8.92 |
| 1155 | 8.92 |
| 1156 | 9.2 |
| 1157 | 9.26667 |
| 1158 | 9.3 |
| 1159 | 9.4 |
| 1160 | 10.0333 |
| 1161 | 10.1 |
| 1162 | 10.1 |
| 1163 | 10.2778 |

| | |
|---|---|
| 1164 | 10.28 |
| 1165 | 10.4 |
| 1166 | 10.5 |
| 1167 | 10.7421 |
| 1168 | 10.8 |
| 1169 | 10.9167 |
| 1170 | 10.9333 |
| 1171 | 10.9333 |
| 1172 | 11.0875 |
| 1173 | 11.9 |
| 1174 | 11.9412 |
| 1175 | 12.0563 |
| 1176 | 12.12 |
| 1177 | 12.3 |
| 1178 | 12.55 |
| 1179 | 12.8714 |
| 1180 | 13 |
| 1181 | 13.1467 |
| 1182 | 13.1467 |
| 1183 | 13.15 |
| 1184 | 13.7 |
| 1185 | 13.875 |
| 1186 | 14.025 |
| 1187 | 14.25 |
| 1188 | 14.6667 |
| 1189 | 14.9071 |
| 1190 | 15.26 |
| 1191 | 15.4923 |
| 1192 | 15.6 |
| 1193 | 16.0273 |
| 1194 | 16.2667 |
| 1195 | 17.2333 |
| 1196 | 19.8667 |
| 1197 | 20.6667 |
| 1198 | 22.15 |
| 1199 | 22.5 |
| 1200 | 23.7 |
| 1201 | 23.75 |
| 1202 | 23.7875 |
| 1203 | 24.1556 |
| 1204 | 24.5 |
| 1205 | 25.4 |
| 1206 | 26.55 |
| 1207 | 26.6 |
| 1208 | 27.1 |
| 1209 | 27.7 |
| 1210 | 28.8 |
| 1211 | 30.7 |
| 1212 | 31.5333 |
| 1213 | 32.5333 |
| 1214 | 37 |
| 1215 | 42 |
| 1216 | 42.54 |
| 1217 | 45.5 |
| 1218 | 45.55 |
| 1219 | 58.2 |
| 1220 | 61 |

| | |
|---|---|
| 1221 | 66.6667 |
| 1222 | 81.8 |
| 1223 | 103.8 |
| 1224 | 209.1 |

Sen's Estimator (Median Q) is -0.147414

| Tied Group | Value | Members |
|---|---|---|
| 1 | 20 | 2 |
| 2 | 19 | 2 |
| 3 | 12 | 2 |
| 4 | 15.9 | 2 |
| 5 | 22.8 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |

## Sen's Slope Analysis

### Parameter: Total Suspended Solids

### Location: GD 12

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 7.5 (5/8/2013) | 3.9 (3/12/2013) | (7.5 - 3.9)/(2 - 1) | 3.6 |
| 9 (9/23/2013) | 3.9 (3/12/2013) | (9 - 3.9)/(3 - 1) | 2.55 |
| 5.9 (12/10/2013) | 3.9 (3/12/2013) | (5.9 - 3.9)/(4 - 1) | 0.666667 |
| 3.9 (2/6/2014) | 3.9 (3/12/2013) | (3.9 - 3.9)/(5 - 1) | 0 |
| 32 (6/26/2014) | 3.9 (3/12/2013) | (32 - 3.9)/(6 - 1) | 5.62 |
| 11 (9/30/2014) | 3.9 (3/12/2013) | (11 - 3.9)/(7 - 1) | 1.18333 |
| 6.6 (11/19/2014) | 3.9 (3/12/2013) | (6.6 - 3.9)/(8 - 1) | 0.385714 |
| 8.1 (3/23/2015) | 3.9 (3/12/2013) | (8.1 - 3.9)/(9 - 1) | 0.525 |
| 14 (4/22/2015) | 3.9 (3/12/2013) | (14 - 3.9)/(10 - 1) | 1.12222 |
| 8.5 (9/30/2015) | 3.9 (3/12/2013) | (8.5 - 3.9)/(11 - 1) | 0.46 |
| 12 (11/19/2015) | 3.9 (3/12/2013) | (12 - 3.9)/(12 - 1) | 0.736364 |
| 4.6 (3/15/2016) | 3.9 (3/12/2013) | (4.6 - 3.9)/(13 - 1) | 0.0583333 |
| 12 (6/29/2016) | 3.9 (3/12/2013) | (12 - 3.9)/(14 - 1) | 0.623077 |
| 13.3 (8/9/2016) | 3.9 (3/12/2013) | (13.3 - 3.9)/(15 - 1) | 0.671429 |
| 4 (12/7/2016) | 3.9 (3/12/2013) | (4 - 3.9)/(16 - 1) | 0.00666667 |
| 6.1 (3/2/2017) | 3.9 (3/12/2013) | (6.1 - 3.9)/(17 - 1) | 0.1375 |
| 16.8 (6/21/2017) | 3.9 (3/12/2013) | (16.8 - 3.9)/(18 - 1) | 0.758824 |
| 13.3 (8/17/2017) | 3.9 (3/12/2013) | (13.3 - 3.9)/(19 - 1) | 0.522222 |
| 7.8 (10/26/2017) | 3.9 (3/12/2013) | (7.8 - 3.9)/(20 - 1) | 0.205263 |
| 4.2 (3/27/2018) | 3.9 (3/12/2013) | (4.2 - 3.9)/(21 - 1) | 0.015 |
| 13.2 (6/26/2018) | 3.9 (3/12/2013) | (13.2 - 3.9)/(22 - 1) | 0.442857 |
| 43.8 (8/1/2018) | 3.9 (3/12/2013) | (43.8 - 3.9)/(23 - 1) | 1.81364 |
| 4.3 (12/11/2018) | 3.9 (3/12/2013) | (4.3 - 3.9)/(24 - 1) | 0.0173913 |
| 4 (4/17/2019) | 3.9 (3/12/2013) | (4 - 3.9)/(25 - 1) | 0.00416667 |
| 8.2 (6/11/2019) | 3.9 (3/12/2013) | (8.2 - 3.9)/(26 - 1) | 0.172 |
| 9.4 (8/28/2019) | 3.9 (3/12/2013) | (9.4 - 3.9)/(27 - 1) | 0.211538 |
| 12.3 (10/28/2019) | 3.9 (3/12/2013) | (12.3 - 3.9)/(28 - 1) | 0.311111 |
| 143 (3/31/2020) | 3.9 (3/12/2013) | (143 - 3.9)/(29 - 1) | 4.96786 |
| 11.4 (6/10/2020) | 3.9 (3/12/2013) | (11.4 - 3.9)/(30 - 1) | 0.258621 |
| 11.4 (6/10/2020) | 3.9 (3/12/2013) | (11.4 - 3.9)/(30 - 1) | 0.258621 |
| 7.6 (9/21/2020) | 3.9 (3/12/2013) | (7.6 - 3.9)/(31 - 1) | 0.123333 |
| 3.7 (12/17/2020) | 3.9 (3/12/2013) | (3.7 - 3.9)/(32 - 1) | -0.00645161 |
| 17.6 (3/18/2021) | 3.9 (3/12/2013) | (17.6 - 3.9)/(33 - 1) | 0.428125 |
| 16.4 (5/5/2021) | 3.9 (3/12/2013) | (16.4 - 3.9)/(34 - 1) | 0.378788 |
| 3.5 (9/2/2021) | 3.9 (3/12/2013) | (3.5 - 3.9)/(35 - 1) | -0.0117647 |
| 2.8 (11/23/2021) | 3.9 (3/12/2013) | (2.8 - 3.9)/(36 - 1) | -0.0314286 |
| 3.7 (1/10/2022) | 3.9 (3/12/2013) | (3.7 - 3.9)/(37 - 1) | -0.00555556 |
| 3.4 (4/7/2022) | 3.9 (3/12/2013) | (3.4 - 3.9)/(38 - 1) | -0.0135135 |
| 6.4 (8/3/2022) | 3.9 (3/12/2013) | (6.4 - 3.9)/(39 - 1) | 0.0657895 |
| 4.5 (11/16/2022) | 3.9 (3/12/2013) | (4.5 - 3.9)/(40 - 1) | 0.0153846 |
| 2.9 (2/13/2023) | 3.9 (3/12/2013) | (2.9 - 3.9)/(41 - 1) | -0.025 |
| 4.6 (5/24/2023) | 3.9 (3/12/2013) | (4.6 - 3.9)/(42 - 1) | 0.0170732 |
| 5.2 (8/7/2023) | 3.9 (3/12/2013) | (5.2 - 3.9)/(43 - 1) | 0.0309524 |
| ND<2.5 U (12/12/2023) | 3.9 (3/12/2013) | (2.5 - 3.9)/(44 - 1) | -0.0325581 |
| 5.6 (1/10/2024) | 3.9 (3/12/2013) | (5.6 - 3.9)/(45 - 1) | 0.0386364 |
| 9.8 (5/20/2024) | 3.9 (3/12/2013) | (9.8 - 3.9)/(46 - 1) | 0.131111 |
| 2.7 (9/16/2024) | 3.9 (3/12/2013) | (2.7 - 3.9)/(47 - 1) | -0.026087 |
| 7.07 (12/11/2024) | 3.9 (3/12/2013) | (7.07 - 3.9)/(48 - 1) | 0.0674468 |

| | | | |
|---|---|---|---|
| 4.2 (2/18/2025) | 3.9 (3/12/2013) | (4.2 - 3.9)/(49 - 1) | 0.00625 |
| | | | |
| 9 (9/23/2013) | 7.5 (5/8/2013) | (9 - 7.5)/(3 - 2) | 1.5 |
| 5.9 (12/10/2013) | 7.5 (5/8/2013) | (5.9 - 7.5)/(4 - 2) | -0.8 |
| 3.9 (2/6/2014) | 7.5 (5/8/2013) | (3.9 - 7.5)/(5 - 2) | -1.2 |
| 32 (6/26/2014) | 7.5 (5/8/2013) | (32 - 7.5)/(6 - 2) | 6.125 |
| 11 (9/30/2014) | 7.5 (5/8/2013) | (11 - 7.5)/(7 - 2) | 0.7 |
| 6.6 (11/19/2014) | 7.5 (5/8/2013) | (6.6 - 7.5)/(8 - 2) | -0.15 |
| 8.1 (3/23/2015) | 7.5 (5/8/2013) | (8.1 - 7.5)/(9 - 2) | 0.0857143 |
| 14 (4/22/2015) | 7.5 (5/8/2013) | (14 - 7.5)/(10 - 2) | 0.8125 |
| 8.5 (9/30/2015) | 7.5 (5/8/2013) | (8.5 - 7.5)/(11 - 2) | 0.111111 |
| 12 (11/19/2015) | 7.5 (5/8/2013) | (12 - 7.5)/(12 - 2) | 0.45 |
| 4.6 (3/15/2016) | 7.5 (5/8/2013) | (4.6 - 7.5)/(13 - 2) | -0.263636 |
| 12 (6/29/2016) | 7.5 (5/8/2013) | (12 - 7.5)/(14 - 2) | 0.375 |
| 13.3 (8/9/2016) | 7.5 (5/8/2013) | (13.3 - 7.5)/(15 - 2) | 0.446154 |
| 4 (12/7/2016) | 7.5 (5/8/2013) | (4 - 7.5)/(16 - 2) | -0.25 |
| 6.1 (3/2/2017) | 7.5 (5/8/2013) | (6.1 - 7.5)/(17 - 2) | -0.0933333 |
| 16.8 (6/21/2017) | 7.5 (5/8/2013) | (16.8 - 7.5)/(18 - 2) | 0.58125 |
| 13.3 (8/17/2017) | 7.5 (5/8/2013) | (13.3 - 7.5)/(19 - 2) | 0.341176 |
| 7.8 (10/26/2017) | 7.5 (5/8/2013) | (7.8 - 7.5)/(20 - 2) | 0.0166667 |
| 4.2 (3/27/2018) | 7.5 (5/8/2013) | (4.2 - 7.5)/(21 - 2) | -0.173684 |
| 13.2 (6/26/2018) | 7.5 (5/8/2013) | (13.2 - 7.5)/(22 - 2) | 0.285 |
| 43.8 (8/1/2018) | 7.5 (5/8/2013) | (43.8 - 7.5)/(23 - 2) | 1.72857 |
| 4.3 (12/11/2018) | 7.5 (5/8/2013) | (4.3 - 7.5)/(24 - 2) | -0.145455 |
| 4 (4/17/2019) | 7.5 (5/8/2013) | (4 - 7.5)/(25 - 2) | -0.152174 |
| 8.2 (6/11/2019) | 7.5 (5/8/2013) | (8.2 - 7.5)/(26 - 2) | 0.0291667 |
| 9.4 (8/28/2019) | 7.5 (5/8/2013) | (9.4 - 7.5)/(27 - 2) | 0.076 |
| 12.3 (10/28/2019) | 7.5 (5/8/2013) | (12.3 - 7.5)/(28 - 2) | 0.184615 |
| 143 (3/31/2020) | 7.5 (5/8/2013) | (143 - 7.5)/(29 - 2) | 5.01852 |
| 11.4 (6/10/2020) | 7.5 (5/8/2013) | (11.4 - 7.5)/(30 - 2) | 0.139286 |
| 11.4 (6/10/2020) | 7.5 (5/8/2013) | (11.4 - 7.5)/(30 - 2) | 0.139286 |
| 7.6 (9/21/2020) | 7.5 (5/8/2013) | (7.6 - 7.5)/(31 - 2) | 0.00344828 |
| 3.7 (12/17/2020) | 7.5 (5/8/2013) | (3.7 - 7.5)/(32 - 2) | -0.126667 |
| 17.6 (3/18/2021) | 7.5 (5/8/2013) | (17.6 - 7.5)/(33 - 2) | 0.325806 |
| 16.4 (5/5/2021) | 7.5 (5/8/2013) | (16.4 - 7.5)/(34 - 2) | 0.278125 |
| 3.5 (9/2/2021) | 7.5 (5/8/2013) | (3.5 - 7.5)/(35 - 2) | -0.121212 |
| 2.8 (11/23/2021) | 7.5 (5/8/2013) | (2.8 - 7.5)/(36 - 2) | -0.138235 |
| 3.7 (1/10/2022) | 7.5 (5/8/2013) | (3.7 - 7.5)/(37 - 2) | -0.108571 |
| 3.4 (4/7/2022) | 7.5 (5/8/2013) | (3.4 - 7.5)/(38 - 2) | -0.113889 |
| 6.4 (8/3/2022) | 7.5 (5/8/2013) | (6.4 - 7.5)/(39 - 2) | -0.0297297 |
| 4.5 (11/16/2022) | 7.5 (5/8/2013) | (4.5 - 7.5)/(40 - 2) | -0.0789474 |
| 2.9 (2/13/2023) | 7.5 (5/8/2013) | (2.9 - 7.5)/(41 - 2) | -0.117949 |
| 4.6 (5/24/2023) | 7.5 (5/8/2013) | (4.6 - 7.5)/(42 - 2) | -0.0725 |
| 5.2 (8/7/2023) | 7.5 (5/8/2013) | (5.2 - 7.5)/(43 - 2) | -0.0560976 |
| ND<2.5 U (12/12/2023) | 7.5 (5/8/2013) | (2.5 - 7.5)/(44 - 2) | -0.119048 |
| 5.6 (1/10/2024) | 7.5 (5/8/2013) | (5.6 - 7.5)/(45 - 2) | -0.044186 |
| 9.8 (5/20/2024) | 7.5 (5/8/2013) | (9.8 - 7.5)/(46 - 2) | 0.0522727 |
| 2.7 (9/16/2024) | 7.5 (5/8/2013) | (2.7 - 7.5)/(47 - 2) | -0.106667 |
| 7.07 (12/11/2024) | 7.5 (5/8/2013) | (7.07 - 7.5)/(48 - 2) | -0.00934783 |
| 4.2 (2/18/2025) | 7.5 (5/8/2013) | (4.2 - 7.5)/(49 - 2) | -0.0702128 |
| | | | |
| 5.9 (12/10/2013) | 9 (9/23/2013) | (5.9 - 9)/(4 - 3) | -3.1 |
| 3.9 (2/6/2014) | 9 (9/23/2013) | (3.9 - 9)/(5 - 3) | -2.55 |
| 32 (6/26/2014) | 9 (9/23/2013) | (32 - 9)/(6 - 3) | 7.66667 |
| 11 (9/30/2014) | 9 (9/23/2013) | (11 - 9)/(7 - 3) | 0.5 |
| 6.6 (11/19/2014) | 9 (9/23/2013) | (6.6 - 9)/(8 - 3) | -0.48 |
| 8.1 (3/23/2015) | 9 (9/23/2013) | (8.1 - 9)/(9 - 3) | -0.15 |

| | | | |
|---|---|---|---|
| 14 (4/22/2015) | 9 (9/23/2013) | (14 - 9)/(10 - 3) | 0.714286 |
| 8.5 (9/30/2015) | 9 (9/23/2013) | (8.5 - 9)/(11 - 3) | -0.0625 |
| 12 (11/19/2015) | 9 (9/23/2013) | (12 - 9)/(12 - 3) | 0.333333 |
| 4.6 (3/15/2016) | 9 (9/23/2013) | (4.6 - 9)/(13 - 3) | -0.44 |
| 12 (6/29/2016) | 9 (9/23/2013) | (12 - 9)/(14 - 3) | 0.272727 |
| 13.3 (8/9/2016) | 9 (9/23/2013) | (13.3 - 9)/(15 - 3) | 0.358333 |
| 4 (12/7/2016) | 9 (9/23/2013) | (4 - 9)/(16 - 3) | -0.384615 |
| 6.1 (3/2/2017) | 9 (9/23/2013) | (6.1 - 9)/(17 - 3) | -0.207143 |
| 16.8 (6/21/2017) | 9 (9/23/2013) | (16.8 - 9)/(18 - 3) | 0.52 |
| 13.3 (8/17/2017) | 9 (9/23/2013) | (13.3 - 9)/(19 - 3) | 0.26875 |
| 7.8 (10/26/2017) | 9 (9/23/2013) | (7.8 - 9)/(20 - 3) | -0.0705882 |
| 4.2 (3/27/2018) | 9 (9/23/2013) | (4.2 - 9)/(21 - 3) | -0.266667 |
| 13.2 (6/26/2018) | 9 (9/23/2013) | (13.2 - 9)/(22 - 3) | 0.221053 |
| 43.8 (8/1/2018) | 9 (9/23/2013) | (43.8 - 9)/(23 - 3) | 1.74 |
| 4.3 (12/11/2018) | 9 (9/23/2013) | (4.3 - 9)/(24 - 3) | -0.22381 |
| 4 (4/17/2019) | 9 (9/23/2013) | (4 - 9)/(25 - 3) | -0.227273 |
| 8.2 (6/11/2019) | 9 (9/23/2013) | (8.2 - 9)/(26 - 3) | -0.0347826 |
| 9.4 (8/28/2019) | 9 (9/23/2013) | (9.4 - 9)/(27 - 3) | 0.0166667 |
| 12.3 (10/28/2019) | 9 (9/23/2013) | (12.3 - 9)/(28 - 3) | 0.132 |
| 143 (3/31/2020) | 9 (9/23/2013) | (143 - 9)/(29 - 3) | 5.15385 |
| 11.4 (6/10/2020) | 9 (9/23/2013) | (11.4 - 9)/(30 - 3) | 0.0888889 |
| 11.4 (6/10/2020) | 9 (9/23/2013) | (11.4 - 9)/(30 - 3) | 0.0888889 |
| 7.6 (9/21/2020) | 9 (9/23/2013) | (7.6 - 9)/(31 - 3) | -0.05 |
| 3.7 (12/17/2020) | 9 (9/23/2013) | (3.7 - 9)/(32 - 3) | -0.182759 |
| 17.6 (3/18/2021) | 9 (9/23/2013) | (17.6 - 9)/(33 - 3) | 0.286667 |
| 16.4 (5/5/2021) | 9 (9/23/2013) | (16.4 - 9)/(34 - 3) | 0.23871 |
| 3.5 (9/2/2021) | 9 (9/23/2013) | (3.5 - 9)/(35 - 3) | -0.171875 |
| 2.8 (11/23/2021) | 9 (9/23/2013) | (2.8 - 9)/(36 - 3) | -0.187879 |
| 3.7 (1/10/2022) | 9 (9/23/2013) | (3.7 - 9)/(37 - 3) | -0.155882 |
| 3.4 (4/7/2022) | 9 (9/23/2013) | (3.4 - 9)/(38 - 3) | -0.16 |
| 6.4 (8/3/2022) | 9 (9/23/2013) | (6.4 - 9)/(39 - 3) | -0.0722222 |
| 4.5 (11/16/2022) | 9 (9/23/2013) | (4.5 - 9)/(40 - 3) | -0.121622 |
| 2.9 (2/13/2023) | 9 (9/23/2013) | (2.9 - 9)/(41 - 3) | -0.160526 |
| 4.6 (5/24/2023) | 9 (9/23/2013) | (4.6 - 9)/(42 - 3) | -0.112821 |
| 5.2 (8/7/2023) | 9 (9/23/2013) | (5.2 - 9)/(43 - 3) | -0.095 |
| ND<2.5 U (12/12/2023) | 9 (9/23/2013) | (2.5 - 9)/(44 - 3) | -0.158537 |
| 5.6 (1/10/2024) | 9 (9/23/2013) | (5.6 - 9)/(45 - 3) | -0.0809524 |
| 9.8 (5/20/2024) | 9 (9/23/2013) | (9.8 - 9)/(46 - 3) | 0.0186047 |
| 2.7 (9/16/2024) | 9 (9/23/2013) | (2.7 - 9)/(47 - 3) | -0.143182 |
| 7.07 (12/11/2024) | 9 (9/23/2013) | (7.07 - 9)/(48 - 3) | -0.0428889 |
| 4.2 (2/18/2025) | 9 (9/23/2013) | (4.2 - 9)/(49 - 3) | -0.104348 |
| | | | |
| 3.9 (2/6/2014) | 5.9 (12/10/2013) | (3.9 - 5.9)/(5 - 4) | -2 |
| 32 (6/26/2014) | 5.9 (12/10/2013) | (32 - 5.9)/(6 - 4) | 13.05 |
| 11 (9/30/2014) | 5.9 (12/10/2013) | (11 - 5.9)/(7 - 4) | 1.7 |
| 6.6 (11/19/2014) | 5.9 (12/10/2013) | (6.6 - 5.9)/(8 - 4) | 0.175 |
| 8.1 (3/23/2015) | 5.9 (12/10/2013) | (8.1 - 5.9)/(9 - 4) | 0.44 |
| 14 (4/22/2015) | 5.9 (12/10/2013) | (14 - 5.9)/(10 - 4) | 1.35 |
| 8.5 (9/30/2015) | 5.9 (12/10/2013) | (8.5 - 5.9)/(11 - 4) | 0.371429 |
| 12 (11/19/2015) | 5.9 (12/10/2013) | (12 - 5.9)/(12 - 4) | 0.7625 |
| 4.6 (3/15/2016) | 5.9 (12/10/2013) | (4.6 - 5.9)/(13 - 4) | -0.144444 |
| 12 (6/29/2016) | 5.9 (12/10/2013) | (12 - 5.9)/(14 - 4) | 0.61 |
| 13.3 (8/9/2016) | 5.9 (12/10/2013) | (13.3 - 5.9)/(15 - 4) | 0.672727 |
| 4 (12/7/2016) | 5.9 (12/10/2013) | (4 - 5.9)/(16 - 4) | -0.158333 |
| 6.1 (3/2/2017) | 5.9 (12/10/2013) | (6.1 - 5.9)/(17 - 4) | 0.0153846 |
| 16.8 (6/21/2017) | 5.9 (12/10/2013) | (16.8 - 5.9)/(18 - 4) | 0.778571 |
| 13.3 (8/17/2017) | 5.9 (12/10/2013) | (13.3 - 5.9)/(19 - 4) | 0.493333 |

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|---|---|---|---|
| 7.8 (10/26/2017) | 5.9 (12/10/2013) | (7.8 - 5.9)/(20 - 4) | 0.11875 |
| 4.2 (3/27/2018) | 5.9 (12/10/2013) | (4.2 - 5.9)/(21 - 4) | -0.1 |
| 13.2 (6/26/2018) | 5.9 (12/10/2013) | (13.2 - 5.9)/(22 - 4) | 0.405556 |
| 43.8 (8/1/2018) | 5.9 (12/10/2013) | (43.8 - 5.9)/(23 - 4) | 1.99474 |
| 4.3 (12/11/2018) | 5.9 (12/10/2013) | (4.3 - 5.9)/(24 - 4) | -0.08 |
| 4 (4/17/2019) | 5.9 (12/10/2013) | (4 - 5.9)/(25 - 4) | -0.0904762 |
| 8.2 (6/11/2019) | 5.9 (12/10/2013) | (8.2 - 5.9)/(26 - 4) | 0.104545 |
| 9.4 (8/28/2019) | 5.9 (12/10/2013) | (9.4 - 5.9)/(27 - 4) | 0.152174 |
| 12.3 (10/28/2019) | 5.9 (12/10/2013) | (12.3 - 5.9)/(28 - 4) | 0.266667 |
| 143 (3/31/2020) | 5.9 (12/10/2013) | (143 - 5.9)/(29 - 4) | 5.484 |
| 11.4 (6/10/2020) | 5.9 (12/10/2013) | (11.4 - 5.9)/(30 - 4) | 0.211538 |
| 11.4 (6/10/2020) | 5.9 (12/10/2013) | (11.4 - 5.9)/(30 - 4) | 0.211538 |
| 7.6 (9/21/2020) | 5.9 (12/10/2013) | (7.6 - 5.9)/(31 - 4) | 0.062963 |
| 3.7 (12/17/2020) | 5.9 (12/10/2013) | (3.7 - 5.9)/(32 - 4) | -0.0785714 |
| 17.6 (3/18/2021) | 5.9 (12/10/2013) | (17.6 - 5.9)/(33 - 4) | 0.403448 |
| 16.4 (5/5/2021) | 5.9 (12/10/2013) | (16.4 - 5.9)/(34 - 4) | 0.35 |
| 3.5 (9/2/2021) | 5.9 (12/10/2013) | (3.5 - 5.9)/(35 - 4) | -0.0774194 |
| 2.8 (11/23/2021) | 5.9 (12/10/2013) | (2.8 - 5.9)/(36 - 4) | -0.096875 |
| 3.7 (1/10/2022) | 5.9 (12/10/2013) | (3.7 - 5.9)/(37 - 4) | -0.0666667 |
| 3.4 (4/7/2022) | 5.9 (12/10/2013) | (3.4 - 5.9)/(38 - 4) | -0.0735294 |
| 6.4 (8/3/2022) | 5.9 (12/10/2013) | (6.4 - 5.9)/(39 - 4) | 0.0142857 |
| 4.5 (11/16/2022) | 5.9 (12/10/2013) | (4.5 - 5.9)/(40 - 4) | -0.0388889 |
| 2.9 (2/13/2023) | 5.9 (12/10/2013) | (2.9 - 5.9)/(41 - 4) | -0.0810811 |
| 4.6 (5/24/2023) | 5.9 (12/10/2013) | (4.6 - 5.9)/(42 - 4) | -0.0342105 |
| 5.2 (8/7/2023) | 5.9 (12/10/2013) | (5.2 - 5.9)/(43 - 4) | -0.0179487 |
| ND<2.5 U (12/12/2023) | 5.9 (12/10/2013) | (2.5 - 5.9)/(44 - 4) | -0.085 |
| 5.6 (1/10/2024) | 5.9 (12/10/2013) | (5.6 - 5.9)/(45 - 4) | -0.00731707 |
| 9.8 (5/20/2024) | 5.9 (12/10/2013) | (9.8 - 5.9)/(46 - 4) | 0.0928571 |
| 2.7 (9/16/2024) | 5.9 (12/10/2013) | (2.7 - 5.9)/(47 - 4) | -0.0744186 |
| 7.07 (12/11/2024) | 5.9 (12/10/2013) | (7.07 - 5.9)/(48 - 4) | 0.0265909 |
| 4.2 (2/18/2025) | 5.9 (12/10/2013) | (4.2 - 5.9)/(49 - 4) | -0.0377778 |

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|---|---|---|---|
| 32 (6/26/2014) | 3.9 (2/6/2014) | (32 - 3.9)/(6 - 5) | 28.1 |
| 11 (9/30/2014) | 3.9 (2/6/2014) | (11 - 3.9)/(7 - 5) | 3.55 |
| 6.6 (11/19/2014) | 3.9 (2/6/2014) | (6.6 - 3.9)/(8 - 5) | 0.9 |
| 8.1 (3/23/2015) | 3.9 (2/6/2014) | (8.1 - 3.9)/(9 - 5) | 1.05 |
| 14 (4/22/2015) | 3.9 (2/6/2014) | (14 - 3.9)/(10 - 5) | 2.02 |
| 8.5 (9/30/2015) | 3.9 (2/6/2014) | (8.5 - 3.9)/(11 - 5) | 0.766667 |
| 12 (11/19/2015) | 3.9 (2/6/2014) | (12 - 3.9)/(12 - 5) | 1.15714 |
| 4.6 (3/15/2016) | 3.9 (2/6/2014) | (4.6 - 3.9)/(13 - 5) | 0.0875 |
| 12 (6/29/2016) | 3.9 (2/6/2014) | (12 - 3.9)/(14 - 5) | 0.9 |
| 13.3 (8/9/2016) | 3.9 (2/6/2014) | (13.3 - 3.9)/(15 - 5) | 0.94 |
| 4 (12/7/2016) | 3.9 (2/6/2014) | (4 - 3.9)/(16 - 5) | 0.00909091 |
| 6.1 (3/2/2017) | 3.9 (2/6/2014) | (6.1 - 3.9)/(17 - 5) | 0.183333 |
| 16.8 (6/21/2017) | 3.9 (2/6/2014) | (16.8 - 3.9)/(18 - 5) | 0.992308 |
| 13.3 (8/17/2017) | 3.9 (2/6/2014) | (13.3 - 3.9)/(19 - 5) | 0.671429 |
| 7.8 (10/26/2017) | 3.9 (2/6/2014) | (7.8 - 3.9)/(20 - 5) | 0.26 |
| 4.2 (3/27/2018) | 3.9 (2/6/2014) | (4.2 - 3.9)/(21 - 5) | 0.01875 |
| 13.2 (6/26/2018) | 3.9 (2/6/2014) | (13.2 - 3.9)/(22 - 5) | 0.547059 |
| 43.8 (8/1/2018) | 3.9 (2/6/2014) | (43.8 - 3.9)/(23 - 5) | 2.21667 |
| 4.3 (12/11/2018) | 3.9 (2/6/2014) | (4.3 - 3.9)/(24 - 5) | 0.0210526 |
| 4 (4/17/2019) | 3.9 (2/6/2014) | (4 - 3.9)/(25 - 5) | 0.005 |
| 8.2 (6/11/2019) | 3.9 (2/6/2014) | (8.2 - 3.9)/(26 - 5) | 0.204762 |
| 9.4 (8/28/2019) | 3.9 (2/6/2014) | (9.4 - 3.9)/(27 - 5) | 0.25 |
| 12.3 (10/28/2019) | 3.9 (2/6/2014) | (12.3 - 3.9)/(28 - 5) | 0.365217 |
| 143 (3/31/2020) | 3.9 (2/6/2014) | (143 - 3.9)/(29 - 5) | 5.79583 |
| 11.4 (6/10/2020) | 3.9 (2/6/2014) | (11.4 - 3.9)/(30 - 5) | 0.3 |

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|---|---|---|---|
| 11.4 (6/10/2020) | 3.9 (2/6/2014) | (11.4 - 3.9)/(30 - 5) | 0.3 |
| 7.6 (9/21/2020) | 3.9 (2/6/2014) | (7.6 - 3.9)/(31 - 5) | 0.142308 |
| 3.7 (12/17/2020) | 3.9 (2/6/2014) | (3.7 - 3.9)/(32 - 5) | -0.00740741 |
| 17.6 (3/18/2021) | 3.9 (2/6/2014) | (17.6 - 3.9)/(33 - 5) | 0.489286 |
| 16.4 (5/5/2021) | 3.9 (2/6/2014) | (16.4 - 3.9)/(34 - 5) | 0.431034 |
| 3.5 (9/2/2021) | 3.9 (2/6/2014) | (3.5 - 3.9)/(35 - 5) | -0.0133333 |
| 2.8 (11/23/2021) | 3.9 (2/6/2014) | (2.8 - 3.9)/(36 - 5) | -0.0354839 |
| 3.7 (1/10/2022) | 3.9 (2/6/2014) | (3.7 - 3.9)/(37 - 5) | -0.00625 |
| 3.4 (4/7/2022) | 3.9 (2/6/2014) | (3.4 - 3.9)/(38 - 5) | -0.0151515 |
| 6.4 (8/3/2022) | 3.9 (2/6/2014) | (6.4 - 3.9)/(39 - 5) | 0.0735294 |
| 4.5 (11/16/2022) | 3.9 (2/6/2014) | (4.5 - 3.9)/(40 - 5) | 0.0171429 |
| 2.9 (2/13/2023) | 3.9 (2/6/2014) | (2.9 - 3.9)/(41 - 5) | -0.0277778 |
| 4.6 (5/24/2023) | 3.9 (2/6/2014) | (4.6 - 3.9)/(42 - 5) | 0.0189189 |
| 5.2 (8/7/2023) | 3.9 (2/6/2014) | (5.2 - 3.9)/(43 - 5) | 0.0342105 |
| ND<2.5 U (12/12/2023) | 3.9 (2/6/2014) | (2.5 - 3.9)/(44 - 5) | -0.0358974 |
| 5.6 (1/10/2024) | 3.9 (2/6/2014) | (5.6 - 3.9)/(45 - 5) | 0.0425 |
| 9.8 (5/20/2024) | 3.9 (2/6/2014) | (9.8 - 3.9)/(46 - 5) | 0.143902 |
| 2.7 (9/16/2024) | 3.9 (2/6/2014) | (2.7 - 3.9)/(47 - 5) | -0.0285714 |
| 7.07 (12/11/2024) | 3.9 (2/6/2014) | (7.07 - 3.9)/(48 - 5) | 0.0737209 |
| 4.2 (2/18/2025) | 3.9 (2/6/2014) | (4.2 - 3.9)/(49 - 5) | 0.00681818 |
| | | | |
| 11 (9/30/2014) | 32 (6/26/2014) | (11 - 32)/(7 - 6) | -21 |
| 6.6 (11/19/2014) | 32 (6/26/2014) | (6.6 - 32)/(8 - 6) | -12.7 |
| 8.1 (3/23/2015) | 32 (6/26/2014) | (8.1 - 32)/(9 - 6) | -7.96667 |
| 14 (4/22/2015) | 32 (6/26/2014) | (14 - 32)/(10 - 6) | -4.5 |
| 8.5 (9/30/2015) | 32 (6/26/2014) | (8.5 - 32)/(11 - 6) | -4.7 |
| 12 (11/19/2015) | 32 (6/26/2014) | (12 - 32)/(12 - 6) | -3.33333 |
| 4.6 (3/15/2016) | 32 (6/26/2014) | (4.6 - 32)/(13 - 6) | -3.91429 |
| 12 (6/29/2016) | 32 (6/26/2014) | (12 - 32)/(14 - 6) | -2.5 |
| 13.3 (8/9/2016) | 32 (6/26/2014) | (13.3 - 32)/(15 - 6) | -2.07778 |
| 4 (12/7/2016) | 32 (6/26/2014) | (4 - 32)/(16 - 6) | -2.8 |
| 6.1 (3/2/2017) | 32 (6/26/2014) | (6.1 - 32)/(17 - 6) | -2.35455 |
| 16.8 (6/21/2017) | 32 (6/26/2014) | (16.8 - 32)/(18 - 6) | -1.26667 |
| 13.3 (8/17/2017) | 32 (6/26/2014) | (13.3 - 32)/(19 - 6) | -1.43846 |
| 7.8 (10/26/2017) | 32 (6/26/2014) | (7.8 - 32)/(20 - 6) | -1.72857 |
| 4.2 (3/27/2018) | 32 (6/26/2014) | (4.2 - 32)/(21 - 6) | -1.85333 |
| 13.2 (6/26/2018) | 32 (6/26/2014) | (13.2 - 32)/(22 - 6) | -1.175 |
| 43.8 (8/1/2018) | 32 (6/26/2014) | (43.8 - 32)/(23 - 6) | 0.694118 |
| 4.3 (12/11/2018) | 32 (6/26/2014) | (4.3 - 32)/(24 - 6) | -1.53889 |
| 4 (4/17/2019) | 32 (6/26/2014) | (4 - 32)/(25 - 6) | -1.47368 |
| 8.2 (6/11/2019) | 32 (6/26/2014) | (8.2 - 32)/(26 - 6) | -1.19 |
| 9.4 (8/28/2019) | 32 (6/26/2014) | (9.4 - 32)/(27 - 6) | -1.07619 |
| 12.3 (10/28/2019) | 32 (6/26/2014) | (12.3 - 32)/(28 - 6) | -0.895455 |
| 143 (3/31/2020) | 32 (6/26/2014) | (143 - 32)/(29 - 6) | 4.82609 |
| 11.4 (6/10/2020) | 32 (6/26/2014) | (11.4 - 32)/(30 - 6) | -0.858333 |
| 11.4 (6/10/2020) | 32 (6/26/2014) | (11.4 - 32)/(30 - 6) | -0.858333 |
| 7.6 (9/21/2020) | 32 (6/26/2014) | (7.6 - 32)/(31 - 6) | -0.976 |
| 3.7 (12/17/2020) | 32 (6/26/2014) | (3.7 - 32)/(32 - 6) | -1.08846 |
| 17.6 (3/18/2021) | 32 (6/26/2014) | (17.6 - 32)/(33 - 6) | -0.533333 |
| 16.4 (5/5/2021) | 32 (6/26/2014) | (16.4 - 32)/(34 - 6) | -0.557143 |
| 3.5 (9/2/2021) | 32 (6/26/2014) | (3.5 - 32)/(35 - 6) | -0.982759 |
| 2.8 (11/23/2021) | 32 (6/26/2014) | (2.8 - 32)/(36 - 6) | -0.973333 |
| 3.7 (1/10/2022) | 32 (6/26/2014) | (3.7 - 32)/(37 - 6) | -0.912903 |
| 3.4 (4/7/2022) | 32 (6/26/2014) | (3.4 - 32)/(38 - 6) | -0.89375 |
| 6.4 (8/3/2022) | 32 (6/26/2014) | (6.4 - 32)/(39 - 6) | -0.775758 |
| 4.5 (11/16/2022) | 32 (6/26/2014) | (4.5 - 32)/(40 - 6) | -0.808824 |
| 2.9 (2/13/2023) | 32 (6/26/2014) | (2.9 - 32)/(41 - 6) | -0.831429 |

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| 4.6 (5/24/2023) | 32 (6/26/2014) | (4.6 - 32)/(42 - 6) | -0.761111 |
| 5.2 (8/7/2023) | 32 (6/26/2014) | (5.2 - 32)/(43 - 6) | -0.724324 |
| ND<2.5 U (12/12/2023) | 32 (6/26/2014) | (2.5 - 32)/(44 - 6) | -0.776316 |
| 5.6 (1/10/2024) | 32 (6/26/2014) | (5.6 - 32)/(45 - 6) | -0.676923 |
| 9.8 (5/20/2024) | 32 (6/26/2014) | (9.8 - 32)/(46 - 6) | -0.555 |
| 2.7 (9/16/2024) | 32 (6/26/2014) | (2.7 - 32)/(47 - 6) | -0.714634 |
| 7.07 (12/11/2024) | 32 (6/26/2014) | (7.07 - 32)/(48 - 6) | -0.593571 |
| 4.2 (2/18/2025) | 32 (6/26/2014) | (4.2 - 32)/(49 - 6) | -0.646512 |
| | | | |
| 6.6 (11/19/2014) | 11 (9/30/2014) | (6.6 - 11)/(8 - 7) | -4.4 |
| 8.1 (3/23/2015) | 11 (9/30/2014) | (8.1 - 11)/(9 - 7) | -1.45 |
| 14 (4/22/2015) | 11 (9/30/2014) | (14 - 11)/(10 - 7) | 1 |
| 8.5 (9/30/2015) | 11 (9/30/2014) | (8.5 - 11)/(11 - 7) | -0.625 |
| 12 (11/19/2015) | 11 (9/30/2014) | (12 - 11)/(12 - 7) | 0.2 |
| 4.6 (3/15/2016) | 11 (9/30/2014) | (4.6 - 11)/(13 - 7) | -1.06667 |
| 12 (6/29/2016) | 11 (9/30/2014) | (12 - 11)/(14 - 7) | 0.142857 |
| 13.3 (8/9/2016) | 11 (9/30/2014) | (13.3 - 11)/(15 - 7) | 0.2875 |
| 4 (12/7/2016) | 11 (9/30/2014) | (4 - 11)/(16 - 7) | -0.777778 |
| 6.1 (3/2/2017) | 11 (9/30/2014) | (6.1 - 11)/(17 - 7) | -0.49 |
| 16.8 (6/21/2017) | 11 (9/30/2014) | (16.8 - 11)/(18 - 7) | 0.527273 |
| 13.3 (8/17/2017) | 11 (9/30/2014) | (13.3 - 11)/(19 - 7) | 0.191667 |
| 7.8 (10/26/2017) | 11 (9/30/2014) | (7.8 - 11)/(20 - 7) | -0.246154 |
| 4.2 (3/27/2018) | 11 (9/30/2014) | (4.2 - 11)/(21 - 7) | -0.485714 |
| 13.2 (6/26/2018) | 11 (9/30/2014) | (13.2 - 11)/(22 - 7) | 0.146667 |
| 43.8 (8/1/2018) | 11 (9/30/2014) | (43.8 - 11)/(23 - 7) | 2.05 |
| 4.3 (12/11/2018) | 11 (9/30/2014) | (4.3 - 11)/(24 - 7) | -0.394118 |
| 4 (4/17/2019) | 11 (9/30/2014) | (4 - 11)/(25 - 7) | -0.388889 |
| 8.2 (6/11/2019) | 11 (9/30/2014) | (8.2 - 11)/(26 - 7) | -0.147368 |
| 9.4 (8/28/2019) | 11 (9/30/2014) | (9.4 - 11)/(27 - 7) | -0.08 |
| 12.3 (10/28/2019) | 11 (9/30/2014) | (12.3 - 11)/(28 - 7) | 0.0619048 |
| 143 (3/31/2020) | 11 (9/30/2014) | (143 - 11)/(29 - 7) | 6 |
| 11.4 (6/10/2020) | 11 (9/30/2014) | (11.4 - 11)/(30 - 7) | 0.0173913 |
| 11.4 (6/10/2020) | 11 (9/30/2014) | (11.4 - 11)/(30 - 7) | 0.0173913 |
| 7.6 (9/21/2020) | 11 (9/30/2014) | (7.6 - 11)/(31 - 7) | -0.141667 |
| 3.7 (12/17/2020) | 11 (9/30/2014) | (3.7 - 11)/(32 - 7) | -0.292 |
| 17.6 (3/18/2021) | 11 (9/30/2014) | (17.6 - 11)/(33 - 7) | 0.253846 |
| 16.4 (5/5/2021) | 11 (9/30/2014) | (16.4 - 11)/(34 - 7) | 0.2 |
| 3.5 (9/2/2021) | 11 (9/30/2014) | (3.5 - 11)/(35 - 7) | -0.267857 |
| 2.8 (11/23/2021) | 11 (9/30/2014) | (2.8 - 11)/(36 - 7) | -0.282759 |
| 3.7 (1/10/2022) | 11 (9/30/2014) | (3.7 - 11)/(37 - 7) | -0.243333 |
| 3.4 (4/7/2022) | 11 (9/30/2014) | (3.4 - 11)/(38 - 7) | -0.245161 |
| 6.4 (8/3/2022) | 11 (9/30/2014) | (6.4 - 11)/(39 - 7) | -0.14375 |
| 4.5 (11/16/2022) | 11 (9/30/2014) | (4.5 - 11)/(40 - 7) | -0.19697 |
| 2.9 (2/13/2023) | 11 (9/30/2014) | (2.9 - 11)/(41 - 7) | -0.238235 |
| 4.6 (5/24/2023) | 11 (9/30/2014) | (4.6 - 11)/(42 - 7) | -0.182857 |
| 5.2 (8/7/2023) | 11 (9/30/2014) | (5.2 - 11)/(43 - 7) | -0.161111 |
| ND<2.5 U (12/12/2023) | 11 (9/30/2014) | (2.5 - 11)/(44 - 7) | -0.22973 |
| 5.6 (1/10/2024) | 11 (9/30/2014) | (5.6 - 11)/(45 - 7) | -0.142105 |
| 9.8 (5/20/2024) | 11 (9/30/2014) | (9.8 - 11)/(46 - 7) | -0.0307692 |
| 2.7 (9/16/2024) | 11 (9/30/2014) | (2.7 - 11)/(47 - 7) | -0.2075 |
| 7.07 (12/11/2024) | 11 (9/30/2014) | (7.07 - 11)/(48 - 7) | -0.0958537 |
| 4.2 (2/18/2025) | 11 (9/30/2014) | (4.2 - 11)/(49 - 7) | -0.161905 |
| | | | |
| 8.1 (3/23/2015) | 6.6 (11/19/2014) | (8.1 - 6.6)/(9 - 8) | 1.5 |
| 14 (4/22/2015) | 6.6 (11/19/2014) | (14 - 6.6)/(10 - 8) | 3.7 |
| 8.5 (9/30/2015) | 6.6 (11/19/2014) | (8.5 - 6.6)/(11 - 8) | 0.633333 |
| 12 (11/19/2015) | 6.6 (11/19/2014) | (12 - 6.6)/(12 - 8) | 1.35 |

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| 4.6 (3/15/2016) | 6.6 (11/19/2014) | (4.6 - 6.6)/(13 - 8) | -0.4 |
| 12 (6/29/2016) | 6.6 (11/19/2014) | (12 - 6.6)/(14 - 8) | 0.9 |
| 13.3 (8/9/2016) | 6.6 (11/19/2014) | (13.3 - 6.6)/(15 - 8) | 0.957143 |
| 4 (12/7/2016) | 6.6 (11/19/2014) | (4 - 6.6)/(16 - 8) | -0.325 |
| 6.1 (3/2/2017) | 6.6 (11/19/2014) | (6.1 - 6.6)/(17 - 8) | -0.0555556 |
| 16.8 (6/21/2017) | 6.6 (11/19/2014) | (16.8 - 6.6)/(18 - 8) | 1.02 |
| 13.3 (8/17/2017) | 6.6 (11/19/2014) | (13.3 - 6.6)/(19 - 8) | 0.609091 |
| 7.8 (10/26/2017) | 6.6 (11/19/2014) | (7.8 - 6.6)/(20 - 8) | 0.1 |
| 4.2 (3/27/2018) | 6.6 (11/19/2014) | (4.2 - 6.6)/(21 - 8) | -0.184615 |
| 13.2 (6/26/2018) | 6.6 (11/19/2014) | (13.2 - 6.6)/(22 - 8) | 0.471429 |
| 43.8 (8/1/2018) | 6.6 (11/19/2014) | (43.8 - 6.6)/(23 - 8) | 2.48 |
| 4.3 (12/11/2018) | 6.6 (11/19/2014) | (4.3 - 6.6)/(24 - 8) | -0.14375 |
| 4 (4/17/2019) | 6.6 (11/19/2014) | (4 - 6.6)/(25 - 8) | -0.152941 |
| 8.2 (6/11/2019) | 6.6 (11/19/2014) | (8.2 - 6.6)/(26 - 8) | 0.0888889 |
| 9.4 (8/28/2019) | 6.6 (11/19/2014) | (9.4 - 6.6)/(27 - 8) | 0.147368 |
| 12.3 (10/28/2019) | 6.6 (11/19/2014) | (12.3 - 6.6)/(28 - 8) | 0.285 |
| 143 (3/31/2020) | 6.6 (11/19/2014) | (143 - 6.6)/(29 - 8) | 6.49524 |
| 11.4 (6/10/2020) | 6.6 (11/19/2014) | (11.4 - 6.6)/(30 - 8) | 0.218182 |
| 11.4 (6/10/2020) | 6.6 (11/19/2014) | (11.4 - 6.6)/(30 - 8) | 0.218182 |
| 7.6 (9/21/2020) | 6.6 (11/19/2014) | (7.6 - 6.6)/(31 - 8) | 0.0434783 |
| 3.7 (12/17/2020) | 6.6 (11/19/2014) | (3.7 - 6.6)/(32 - 8) | -0.120833 |
| 17.6 (3/18/2021) | 6.6 (11/19/2014) | (17.6 - 6.6)/(33 - 8) | 0.44 |
| 16.4 (5/5/2021) | 6.6 (11/19/2014) | (16.4 - 6.6)/(34 - 8) | 0.376923 |
| 3.5 (9/2/2021) | 6.6 (11/19/2014) | (3.5 - 6.6)/(35 - 8) | -0.114815 |
| 2.8 (11/23/2021) | 6.6 (11/19/2014) | (2.8 - 6.6)/(36 - 8) | -0.135714 |
| 3.7 (1/10/2022) | 6.6 (11/19/2014) | (3.7 - 6.6)/(37 - 8) | -0.1 |
| 3.4 (4/7/2022) | 6.6 (11/19/2014) | (3.4 - 6.6)/(38 - 8) | -0.106667 |
| 6.4 (8/3/2022) | 6.6 (11/19/2014) | (6.4 - 6.6)/(39 - 8) | -0.00645161 |
| 4.5 (11/16/2022) | 6.6 (11/19/2014) | (4.5 - 6.6)/(40 - 8) | -0.065625 |
| 2.9 (2/13/2023) | 6.6 (11/19/2014) | (2.9 - 6.6)/(41 - 8) | -0.112121 |
| 4.6 (5/24/2023) | 6.6 (11/19/2014) | (4.6 - 6.6)/(42 - 8) | -0.0588235 |
| 5.2 (8/7/2023) | 6.6 (11/19/2014) | (5.2 - 6.6)/(43 - 8) | -0.04 |
| ND<2.5 U (12/12/2023) | 6.6 (11/19/2014) | (2.5 - 6.6)/(44 - 8) | -0.113889 |
| 5.6 (1/10/2024) | 6.6 (11/19/2014) | (5.6 - 6.6)/(45 - 8) | -0.027027 |
| 9.8 (5/20/2024) | 6.6 (11/19/2014) | (9.8 - 6.6)/(46 - 8) | 0.0842105 |
| 2.7 (9/16/2024) | 6.6 (11/19/2014) | (2.7 - 6.6)/(47 - 8) | -0.1 |
| 7.07 (12/11/2024) | 6.6 (11/19/2014) | (7.07 - 6.6)/(48 - 8) | 0.01175 |
| 4.2 (2/18/2025) | 6.6 (11/19/2014) | (4.2 - 6.6)/(49 - 8) | -0.0585366 |
| | | | |
| 14 (4/22/2015) | 8.1 (3/23/2015) | (14 - 8.1)/(10 - 9) | 5.9 |
| 8.5 (9/30/2015) | 8.1 (3/23/2015) | (8.5 - 8.1)/(11 - 9) | 0.2 |
| 12 (11/19/2015) | 8.1 (3/23/2015) | (12 - 8.1)/(12 - 9) | 1.3 |
| 4.6 (3/15/2016) | 8.1 (3/23/2015) | (4.6 - 8.1)/(13 - 9) | -0.875 |
| 12 (6/29/2016) | 8.1 (3/23/2015) | (12 - 8.1)/(14 - 9) | 0.78 |
| 13.3 (8/9/2016) | 8.1 (3/23/2015) | (13.3 - 8.1)/(15 - 9) | 0.866667 |
| 4 (12/7/2016) | 8.1 (3/23/2015) | (4 - 8.1)/(16 - 9) | -0.585714 |
| 6.1 (3/2/2017) | 8.1 (3/23/2015) | (6.1 - 8.1)/(17 - 9) | -0.25 |
| 16.8 (6/21/2017) | 8.1 (3/23/2015) | (16.8 - 8.1)/(18 - 9) | 0.966667 |
| 13.3 (8/17/2017) | 8.1 (3/23/2015) | (13.3 - 8.1)/(19 - 9) | 0.52 |
| 7.8 (10/26/2017) | 8.1 (3/23/2015) | (7.8 - 8.1)/(20 - 9) | -0.0272727 |
| 4.2 (3/27/2018) | 8.1 (3/23/2015) | (4.2 - 8.1)/(21 - 9) | -0.325 |
| 13.2 (6/26/2018) | 8.1 (3/23/2015) | (13.2 - 8.1)/(22 - 9) | 0.392308 |
| 43.8 (8/1/2018) | 8.1 (3/23/2015) | (43.8 - 8.1)/(23 - 9) | 2.55 |
| 4.3 (12/11/2018) | 8.1 (3/23/2015) | (4.3 - 8.1)/(24 - 9) | -0.253333 |
| 4 (4/17/2019) | 8.1 (3/23/2015) | (4 - 8.1)/(25 - 9) | -0.25625 |
| 8.2 (6/11/2019) | 8.1 (3/23/2015) | (8.2 - 8.1)/(26 - 9) | 0.00588235 |
| 9.4 (8/28/2019) | 8.1 (3/23/2015) | (9.4 - 8.1)/(27 - 9) | 0.0722222 |

| | | | |
|---|---|---|---|
| 12.3 (10/28/2019) | 8.1 (3/23/2015) | (12.3 - 8.1)/(28 - 9) | 0.221053 |
| 143 (3/31/2020) | 8.1 (3/23/2015) | (143 - 8.1)/(29 - 9) | 6.745 |
| 11.4 (6/10/2020) | 8.1 (3/23/2015) | (11.4 - 8.1)/(30 - 9) | 0.157143 |
| 11.4 (6/10/2020) | 8.1 (3/23/2015) | (11.4 - 8.1)/(30 - 9) | 0.157143 |
| 7.6 (9/21/2020) | 8.1 (3/23/2015) | (7.6 - 8.1)/(31 - 9) | -0.0227273 |
| 3.7 (12/17/2020) | 8.1 (3/23/2015) | (3.7 - 8.1)/(32 - 9) | -0.191304 |
| 17.6 (3/18/2021) | 8.1 (3/23/2015) | (17.6 - 8.1)/(33 - 9) | 0.395833 |
| 16.4 (5/5/2021) | 8.1 (3/23/2015) | (16.4 - 8.1)/(34 - 9) | 0.332 |
| 3.5 (9/2/2021) | 8.1 (3/23/2015) | (3.5 - 8.1)/(35 - 9) | -0.176923 |
| 2.8 (11/23/2021) | 8.1 (3/23/2015) | (2.8 - 8.1)/(36 - 9) | -0.196296 |
| 3.7 (1/10/2022) | 8.1 (3/23/2015) | (3.7 - 8.1)/(37 - 9) | -0.157143 |
| 3.4 (4/7/2022) | 8.1 (3/23/2015) | (3.4 - 8.1)/(38 - 9) | -0.162069 |
| 6.4 (8/3/2022) | 8.1 (3/23/2015) | (6.4 - 8.1)/(39 - 9) | -0.0566667 |
| 4.5 (11/16/2022) | 8.1 (3/23/2015) | (4.5 - 8.1)/(40 - 9) | -0.116129 |
| 2.9 (2/13/2023) | 8.1 (3/23/2015) | (2.9 - 8.1)/(41 - 9) | -0.1625 |
| 4.6 (5/24/2023) | 8.1 (3/23/2015) | (4.6 - 8.1)/(42 - 9) | -0.106061 |
| 5.2 (8/7/2023) | 8.1 (3/23/2015) | (5.2 - 8.1)/(43 - 9) | -0.0852941 |
| ND<2.5 U (12/12/2023) | 8.1 (3/23/2015) | (2.5 - 8.1)/(44 - 9) | -0.16 |
| 5.6 (1/10/2024) | 8.1 (3/23/2015) | (5.6 - 8.1)/(45 - 9) | -0.0694444 |
| 9.8 (5/20/2024) | 8.1 (3/23/2015) | (9.8 - 8.1)/(46 - 9) | 0.0459459 |
| 2.7 (9/16/2024) | 8.1 (3/23/2015) | (2.7 - 8.1)/(47 - 9) | -0.142105 |
| 7.07 (12/11/2024) | 8.1 (3/23/2015) | (7.07 - 8.1)/(48 - 9) | -0.0264103 |
| 4.2 (2/18/2025) | 8.1 (3/23/2015) | (4.2 - 8.1)/(49 - 9) | -0.0975 |
| | | | |
| 8.5 (9/30/2015) | 14 (4/22/2015) | (8.5 - 14)/(11 - 10) | -5.5 |
| 12 (11/19/2015) | 14 (4/22/2015) | (12 - 14)/(12 - 10) | -1 |
| 4.6 (3/15/2016) | 14 (4/22/2015) | (4.6 - 14)/(13 - 10) | -3.13333 |
| 12 (6/29/2016) | 14 (4/22/2015) | (12 - 14)/(14 - 10) | -0.5 |
| 13.3 (8/9/2016) | 14 (4/22/2015) | (13.3 - 14)/(15 - 10) | -0.14 |
| 4 (12/7/2016) | 14 (4/22/2015) | (4 - 14)/(16 - 10) | -1.66667 |
| 6.1 (3/2/2017) | 14 (4/22/2015) | (6.1 - 14)/(17 - 10) | -1.12857 |
| 16.8 (6/21/2017) | 14 (4/22/2015) | (16.8 - 14)/(18 - 10) | 0.35 |
| 13.3 (8/17/2017) | 14 (4/22/2015) | (13.3 - 14)/(19 - 10) | -0.0777778 |
| 7.8 (10/26/2017) | 14 (4/22/2015) | (7.8 - 14)/(20 - 10) | -0.62 |
| 4.2 (3/27/2018) | 14 (4/22/2015) | (4.2 - 14)/(21 - 10) | -0.890909 |
| 13.2 (6/26/2018) | 14 (4/22/2015) | (13.2 - 14)/(22 - 10) | -0.0666667 |
| 43.8 (8/1/2018) | 14 (4/22/2015) | (43.8 - 14)/(23 - 10) | 2.29231 |
| 4.3 (12/11/2018) | 14 (4/22/2015) | (4.3 - 14)/(24 - 10) | -0.692857 |
| 4 (4/17/2019) | 14 (4/22/2015) | (4 - 14)/(25 - 10) | -0.666667 |
| 8.2 (6/11/2019) | 14 (4/22/2015) | (8.2 - 14)/(26 - 10) | -0.3625 |
| 9.4 (8/28/2019) | 14 (4/22/2015) | (9.4 - 14)/(27 - 10) | -0.270588 |
| 12.3 (10/28/2019) | 14 (4/22/2015) | (12.3 - 14)/(28 - 10) | -0.0944444 |
| 143 (3/31/2020) | 14 (4/22/2015) | (143 - 14)/(29 - 10) | 6.78947 |
| 11.4 (6/10/2020) | 14 (4/22/2015) | (11.4 - 14)/(30 - 10) | -0.13 |
| 11.4 (6/10/2020) | 14 (4/22/2015) | (11.4 - 14)/(30 - 10) | -0.13 |
| 7.6 (9/21/2020) | 14 (4/22/2015) | (7.6 - 14)/(31 - 10) | -0.304762 |
| 3.7 (12/17/2020) | 14 (4/22/2015) | (3.7 - 14)/(32 - 10) | -0.468182 |
| 17.6 (3/18/2021) | 14 (4/22/2015) | (17.6 - 14)/(33 - 10) | 0.156522 |
| 16.4 (5/5/2021) | 14 (4/22/2015) | (16.4 - 14)/(34 - 10) | 0.1 |
| 3.5 (9/2/2021) | 14 (4/22/2015) | (3.5 - 14)/(35 - 10) | -0.42 |
| 2.8 (11/23/2021) | 14 (4/22/2015) | (2.8 - 14)/(36 - 10) | -0.430769 |
| 3.7 (1/10/2022) | 14 (4/22/2015) | (3.7 - 14)/(37 - 10) | -0.381481 |
| 3.4 (4/7/2022) | 14 (4/22/2015) | (3.4 - 14)/(38 - 10) | -0.378571 |
| 6.4 (8/3/2022) | 14 (4/22/2015) | (6.4 - 14)/(39 - 10) | -0.262069 |
| 4.5 (11/16/2022) | 14 (4/22/2015) | (4.5 - 14)/(40 - 10) | -0.316667 |
| 2.9 (2/13/2023) | 14 (4/22/2015) | (2.9 - 14)/(41 - 10) | -0.358065 |
| 4.6 (5/24/2023) | 14 (4/22/2015) | (4.6 - 14)/(42 - 10) | -0.29375 |

| | | | |
|---|---|---|---|
| 5.2 (8/7/2023) | 14 (4/22/2015) | (5.2 - 14)/(43 - 10) | -0.266667 |
| ND<2.5 U (12/12/2023) | 14 (4/22/2015) | (2.5 - 14)/(44 - 10) | -0.338235 |
| 5.6 (1/10/2024) | 14 (4/22/2015) | (5.6 - 14)/(45 - 10) | -0.24 |
| 9.8 (5/20/2024) | 14 (4/22/2015) | (9.8 - 14)/(46 - 10) | -0.116667 |
| 2.7 (9/16/2024) | 14 (4/22/2015) | (2.7 - 14)/(47 - 10) | -0.305405 |
| 7.07 (12/11/2024) | 14 (4/22/2015) | (7.07 - 14)/(48 - 10) | -0.182368 |
| 4.2 (2/18/2025) | 14 (4/22/2015) | (4.2 - 14)/(49 - 10) | -0.251282 |
| | | | |
| 12 (11/19/2015) | 8.5 (9/30/2015) | (12 - 8.5)/(12 - 11) | 3.5 |
| 4.6 (3/15/2016) | 8.5 (9/30/2015) | (4.6 - 8.5)/(13 - 11) | -1.95 |
| 12 (6/29/2016) | 8.5 (9/30/2015) | (12 - 8.5)/(14 - 11) | 1.16667 |
| 13.3 (8/9/2016) | 8.5 (9/30/2015) | (13.3 - 8.5)/(15 - 11) | 1.2 |
| 4 (12/7/2016) | 8.5 (9/30/2015) | (4 - 8.5)/(16 - 11) | -0.9 |
| 6.1 (3/2/2017) | 8.5 (9/30/2015) | (6.1 - 8.5)/(17 - 11) | -0.4 |
| 16.8 (6/21/2017) | 8.5 (9/30/2015) | (16.8 - 8.5)/(18 - 11) | 1.18571 |
| 13.3 (8/17/2017) | 8.5 (9/30/2015) | (13.3 - 8.5)/(19 - 11) | 0.6 |
| 7.8 (10/26/2017) | 8.5 (9/30/2015) | (7.8 - 8.5)/(20 - 11) | -0.0777778 |
| 4.2 (3/27/2018) | 8.5 (9/30/2015) | (4.2 - 8.5)/(21 - 11) | -0.43 |
| 13.2 (6/26/2018) | 8.5 (9/30/2015) | (13.2 - 8.5)/(22 - 11) | 0.427273 |
| 43.8 (8/1/2018) | 8.5 (9/30/2015) | (43.8 - 8.5)/(23 - 11) | 2.94167 |
| 4.3 (12/11/2018) | 8.5 (9/30/2015) | (4.3 - 8.5)/(24 - 11) | -0.323077 |
| 4 (4/17/2019) | 8.5 (9/30/2015) | (4 - 8.5)/(25 - 11) | -0.321429 |
| 8.2 (6/11/2019) | 8.5 (9/30/2015) | (8.2 - 8.5)/(26 - 11) | -0.02 |
| 9.4 (8/28/2019) | 8.5 (9/30/2015) | (9.4 - 8.5)/(27 - 11) | 0.05625 |
| 12.3 (10/28/2019) | 8.5 (9/30/2015) | (12.3 - 8.5)/(28 - 11) | 0.223529 |
| 143 (3/31/2020) | 8.5 (9/30/2015) | (143 - 8.5)/(29 - 11) | 7.47222 |
| 11.4 (6/10/2020) | 8.5 (9/30/2015) | (11.4 - 8.5)/(30 - 11) | 0.152632 |
| 11.4 (6/10/2020) | 8.5 (9/30/2015) | (11.4 - 8.5)/(30 - 11) | 0.152632 |
| 7.6 (9/21/2020) | 8.5 (9/30/2015) | (7.6 - 8.5)/(31 - 11) | -0.045 |
| 3.7 (12/17/2020) | 8.5 (9/30/2015) | (3.7 - 8.5)/(32 - 11) | -0.228571 |
| 17.6 (3/18/2021) | 8.5 (9/30/2015) | (17.6 - 8.5)/(33 - 11) | 0.413636 |
| 16.4 (5/5/2021) | 8.5 (9/30/2015) | (16.4 - 8.5)/(34 - 11) | 0.343478 |
| 3.5 (9/2/2021) | 8.5 (9/30/2015) | (3.5 - 8.5)/(35 - 11) | -0.208333 |
| 2.8 (11/23/2021) | 8.5 (9/30/2015) | (2.8 - 8.5)/(36 - 11) | -0.228 |
| 3.7 (1/10/2022) | 8.5 (9/30/2015) | (3.7 - 8.5)/(37 - 11) | -0.184615 |
| 3.4 (4/7/2022) | 8.5 (9/30/2015) | (3.4 - 8.5)/(38 - 11) | -0.188889 |
| 6.4 (8/3/2022) | 8.5 (9/30/2015) | (6.4 - 8.5)/(39 - 11) | -0.075 |
| 4.5 (11/16/2022) | 8.5 (9/30/2015) | (4.5 - 8.5)/(40 - 11) | -0.137931 |
| 2.9 (2/13/2023) | 8.5 (9/30/2015) | (2.9 - 8.5)/(41 - 11) | -0.186667 |
| 4.6 (5/24/2023) | 8.5 (9/30/2015) | (4.6 - 8.5)/(42 - 11) | -0.125806 |
| 5.2 (8/7/2023) | 8.5 (9/30/2015) | (5.2 - 8.5)/(43 - 11) | -0.103125 |
| ND<2.5 U (12/12/2023) | 8.5 (9/30/2015) | (2.5 - 8.5)/(44 - 11) | -0.181818 |
| 5.6 (1/10/2024) | 8.5 (9/30/2015) | (5.6 - 8.5)/(45 - 11) | -0.0852941 |
| 9.8 (5/20/2024) | 8.5 (9/30/2015) | (9.8 - 8.5)/(46 - 11) | 0.0371429 |
| 2.7 (9/16/2024) | 8.5 (9/30/2015) | (2.7 - 8.5)/(47 - 11) | -0.161111 |
| 7.07 (12/11/2024) | 8.5 (9/30/2015) | (7.07 - 8.5)/(48 - 11) | -0.0386486 |
| 4.2 (2/18/2025) | 8.5 (9/30/2015) | (4.2 - 8.5)/(49 - 11) | -0.113158 |
| | | | |
| 4.6 (3/15/2016) | 12 (11/19/2015) | (4.6 - 12)/(13 - 12) | -7.4 |
| 12 (6/29/2016) | 12 (11/19/2015) | (12 - 12)/(14 - 12) | 0 |
| 13.3 (8/9/2016) | 12 (11/19/2015) | (13.3 - 12)/(15 - 12) | 0.433333 |
| 4 (12/7/2016) | 12 (11/19/2015) | (4 - 12)/(16 - 12) | -2 |
| 6.1 (3/2/2017) | 12 (11/19/2015) | (6.1 - 12)/(17 - 12) | -1.18 |
| 16.8 (6/21/2017) | 12 (11/19/2015) | (16.8 - 12)/(18 - 12) | 0.8 |
| 13.3 (8/17/2017) | 12 (11/19/2015) | (13.3 - 12)/(19 - 12) | 0.185714 |
| 7.8 (10/26/2017) | 12 (11/19/2015) | (7.8 - 12)/(20 - 12) | -0.525 |
| 4.2 (3/27/2018) | 12 (11/19/2015) | (4.2 - 12)/(21 - 12) | -0.866667 |

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|---|---|---|---|
| 13.2 (6/26/2018) | 12 (11/19/2015) | (13.2 - 12)/(22 - 12) | 0.12 |
| 43.8 (8/1/2018) | 12 (11/19/2015) | (43.8 - 12)/(23 - 12) | 2.89091 |
| 4.3 (12/11/2018) | 12 (11/19/2015) | (4.3 - 12)/(24 - 12) | -0.641667 |
| 4 (4/17/2019) | 12 (11/19/2015) | (4 - 12)/(25 - 12) | -0.615385 |
| 8.2 (6/11/2019) | 12 (11/19/2015) | (8.2 - 12)/(26 - 12) | -0.271429 |
| 9.4 (8/28/2019) | 12 (11/19/2015) | (9.4 - 12)/(27 - 12) | -0.173333 |
| 12.3 (10/28/2019) | 12 (11/19/2015) | (12.3 - 12)/(28 - 12) | 0.01875 |
| 143 (3/31/2020) | 12 (11/19/2015) | (143 - 12)/(29 - 12) | 7.70588 |
| 11.4 (6/10/2020) | 12 (11/19/2015) | (11.4 - 12)/(30 - 12) | -0.0333333 |
| 11.4 (6/10/2020) | 12 (11/19/2015) | (11.4 - 12)/(30 - 12) | -0.0333333 |
| 7.6 (9/21/2020) | 12 (11/19/2015) | (7.6 - 12)/(31 - 12) | -0.231579 |
| 3.7 (12/17/2020) | 12 (11/19/2015) | (3.7 - 12)/(32 - 12) | -0.415 |
| 17.6 (3/18/2021) | 12 (11/19/2015) | (17.6 - 12)/(33 - 12) | 0.266667 |
| 16.4 (5/5/2021) | 12 (11/19/2015) | (16.4 - 12)/(34 - 12) | 0.2 |
| 3.5 (9/2/2021) | 12 (11/19/2015) | (3.5 - 12)/(35 - 12) | -0.369565 |
| 2.8 (11/23/2021) | 12 (11/19/2015) | (2.8 - 12)/(36 - 12) | -0.383333 |
| 3.7 (1/10/2022) | 12 (11/19/2015) | (3.7 - 12)/(37 - 12) | -0.332 |
| 3.4 (4/7/2022) | 12 (11/19/2015) | (3.4 - 12)/(38 - 12) | -0.330769 |
| 6.4 (8/3/2022) | 12 (11/19/2015) | (6.4 - 12)/(39 - 12) | -0.207407 |
| 4.5 (11/16/2022) | 12 (11/19/2015) | (4.5 - 12)/(40 - 12) | -0.267857 |
| 2.9 (2/13/2023) | 12 (11/19/2015) | (2.9 - 12)/(41 - 12) | -0.313793 |
| 4.6 (5/24/2023) | 12 (11/19/2015) | (4.6 - 12)/(42 - 12) | -0.246667 |
| 5.2 (8/7/2023) | 12 (11/19/2015) | (5.2 - 12)/(43 - 12) | -0.219355 |
| ND<2.5 U (12/12/2023) | 12 (11/19/2015) | (2.5 - 12)/(44 - 12) | -0.296875 |
| 5.6 (1/10/2024) | 12 (11/19/2015) | (5.6 - 12)/(45 - 12) | -0.193939 |
| 9.8 (5/20/2024) | 12 (11/19/2015) | (9.8 - 12)/(46 - 12) | -0.0647059 |
| 2.7 (9/16/2024) | 12 (11/19/2015) | (2.7 - 12)/(47 - 12) | -0.265714 |
| 7.07 (12/11/2024) | 12 (11/19/2015) | (7.07 - 12)/(48 - 12) | -0.136944 |
| 4.2 (2/18/2025) | 12 (11/19/2015) | (4.2 - 12)/(49 - 12) | -0.210811 |
| | | | |
| 12 (6/29/2016) | 4.6 (3/15/2016) | (12 - 4.6)/(14 - 13) | 7.4 |
| 13.3 (8/9/2016) | 4.6 (3/15/2016) | (13.3 - 4.6)/(15 - 13) | 4.35 |
| 4 (12/7/2016) | 4.6 (3/15/2016) | (4 - 4.6)/(16 - 13) | -0.2 |
| 6.1 (3/2/2017) | 4.6 (3/15/2016) | (6.1 - 4.6)/(17 - 13) | 0.375 |
| 16.8 (6/21/2017) | 4.6 (3/15/2016) | (16.8 - 4.6)/(18 - 13) | 2.44 |
| 13.3 (8/17/2017) | 4.6 (3/15/2016) | (13.3 - 4.6)/(19 - 13) | 1.45 |
| 7.8 (10/26/2017) | 4.6 (3/15/2016) | (7.8 - 4.6)/(20 - 13) | 0.457143 |
| 4.2 (3/27/2018) | 4.6 (3/15/2016) | (4.2 - 4.6)/(21 - 13) | -0.05 |
| 13.2 (6/26/2018) | 4.6 (3/15/2016) | (13.2 - 4.6)/(22 - 13) | 0.955556 |
| 43.8 (8/1/2018) | 4.6 (3/15/2016) | (43.8 - 4.6)/(23 - 13) | 3.92 |
| 4.3 (12/11/2018) | 4.6 (3/15/2016) | (4.3 - 4.6)/(24 - 13) | -0.0272727 |
| 4 (4/17/2019) | 4.6 (3/15/2016) | (4 - 4.6)/(25 - 13) | -0.05 |
| 8.2 (6/11/2019) | 4.6 (3/15/2016) | (8.2 - 4.6)/(26 - 13) | 0.276923 |
| 9.4 (8/28/2019) | 4.6 (3/15/2016) | (9.4 - 4.6)/(27 - 13) | 0.342857 |
| 12.3 (10/28/2019) | 4.6 (3/15/2016) | (12.3 - 4.6)/(28 - 13) | 0.513333 |
| 143 (3/31/2020) | 4.6 (3/15/2016) | (143 - 4.6)/(29 - 13) | 8.65 |
| 11.4 (6/10/2020) | 4.6 (3/15/2016) | (11.4 - 4.6)/(30 - 13) | 0.4 |
| 11.4 (6/10/2020) | 4.6 (3/15/2016) | (11.4 - 4.6)/(30 - 13) | 0.4 |
| 7.6 (9/21/2020) | 4.6 (3/15/2016) | (7.6 - 4.6)/(31 - 13) | 0.166667 |
| 3.7 (12/17/2020) | 4.6 (3/15/2016) | (3.7 - 4.6)/(32 - 13) | -0.0473684 |
| 17.6 (3/18/2021) | 4.6 (3/15/2016) | (17.6 - 4.6)/(33 - 13) | 0.65 |
| 16.4 (5/5/2021) | 4.6 (3/15/2016) | (16.4 - 4.6)/(34 - 13) | 0.561905 |
| 3.5 (9/2/2021) | 4.6 (3/15/2016) | (3.5 - 4.6)/(35 - 13) | -0.05 |
| 2.8 (11/23/2021) | 4.6 (3/15/2016) | (2.8 - 4.6)/(36 - 13) | -0.0782609 |
| 3.7 (1/10/2022) | 4.6 (3/15/2016) | (3.7 - 4.6)/(37 - 13) | -0.0375 |
| 3.4 (4/7/2022) | 4.6 (3/15/2016) | (3.4 - 4.6)/(38 - 13) | -0.048 |
| 6.4 (8/3/2022) | 4.6 (3/15/2016) | (6.4 - 4.6)/(39 - 13) | 0.0692308 |

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|---|---|---|---|
| 4.5 (11/16/2022) | 4.6 (3/15/2016) | (4.5 - 4.6)/(40 - 13) | -0.0037037 |
| 2.9 (2/13/2023) | 4.6 (3/15/2016) | (2.9 - 4.6)/(41 - 13) | -0.0607143 |
| 4.6 (5/24/2023) | 4.6 (3/15/2016) | (4.6 - 4.6)/(42 - 13) | 0 |
| 5.2 (8/7/2023) | 4.6 (3/15/2016) | (5.2 - 4.6)/(43 - 13) | 0.02 |
| ND<2.5 U (12/12/2023) | 4.6 (3/15/2016) | (2.5 - 4.6)/(44 - 13) | -0.0677419 |
| 5.6 (1/10/2024) | 4.6 (3/15/2016) | (5.6 - 4.6)/(45 - 13) | 0.03125 |
| 9.8 (5/20/2024) | 4.6 (3/15/2016) | (9.8 - 4.6)/(46 - 13) | 0.157576 |
| 2.7 (9/16/2024) | 4.6 (3/15/2016) | (2.7 - 4.6)/(47 - 13) | -0.0558824 |
| 7.07 (12/11/2024) | 4.6 (3/15/2016) | (7.07 - 4.6)/(48 - 13) | 0.0705714 |
| 4.2 (2/18/2025) | 4.6 (3/15/2016) | (4.2 - 4.6)/(49 - 13) | -0.0111111 |
| | | | |
| 13.3 (8/9/2016) | 12 (6/29/2016) | (13.3 - 12)/(15 - 14) | 1.3 |
| 4 (12/7/2016) | 12 (6/29/2016) | (4 - 12)/(16 - 14) | -4 |
| 6.1 (3/2/2017) | 12 (6/29/2016) | (6.1 - 12)/(17 - 14) | -1.96667 |
| 16.8 (6/21/2017) | 12 (6/29/2016) | (16.8 - 12)/(18 - 14) | 1.2 |
| 13.3 (8/17/2017) | 12 (6/29/2016) | (13.3 - 12)/(19 - 14) | 0.26 |
| 7.8 (10/26/2017) | 12 (6/29/2016) | (7.8 - 12)/(20 - 14) | -0.7 |
| 4.2 (3/27/2018) | 12 (6/29/2016) | (4.2 - 12)/(21 - 14) | -1.11429 |
| 13.2 (6/26/2018) | 12 (6/29/2016) | (13.2 - 12)/(22 - 14) | 0.15 |
| 43.8 (8/1/2018) | 12 (6/29/2016) | (43.8 - 12)/(23 - 14) | 3.53333 |
| 4.3 (12/11/2018) | 12 (6/29/2016) | (4.3 - 12)/(24 - 14) | -0.77 |
| 4 (4/17/2019) | 12 (6/29/2016) | (4 - 12)/(25 - 14) | -0.727273 |
| 8.2 (6/11/2019) | 12 (6/29/2016) | (8.2 - 12)/(26 - 14) | -0.316667 |
| 9.4 (8/28/2019) | 12 (6/29/2016) | (9.4 - 12)/(27 - 14) | -0.2 |
| 12.3 (10/28/2019) | 12 (6/29/2016) | (12.3 - 12)/(28 - 14) | 0.0214286 |
| 143 (3/31/2020) | 12 (6/29/2016) | (143 - 12)/(29 - 14) | 8.73333 |
| 11.4 (6/10/2020) | 12 (6/29/2016) | (11.4 - 12)/(30 - 14) | -0.0375 |
| 11.4 (6/10/2020) | 12 (6/29/2016) | (11.4 - 12)/(30 - 14) | -0.0375 |
| 7.6 (9/21/2020) | 12 (6/29/2016) | (7.6 - 12)/(31 - 14) | -0.258824 |
| 3.7 (12/17/2020) | 12 (6/29/2016) | (3.7 - 12)/(32 - 14) | -0.461111 |
| 17.6 (3/18/2021) | 12 (6/29/2016) | (17.6 - 12)/(33 - 14) | 0.294737 |
| 16.4 (5/5/2021) | 12 (6/29/2016) | (16.4 - 12)/(34 - 14) | 0.22 |
| 3.5 (9/2/2021) | 12 (6/29/2016) | (3.5 - 12)/(35 - 14) | -0.404762 |
| 2.8 (11/23/2021) | 12 (6/29/2016) | (2.8 - 12)/(36 - 14) | -0.418182 |
| 3.7 (1/10/2022) | 12 (6/29/2016) | (3.7 - 12)/(37 - 14) | -0.36087 |
| 3.4 (4/7/2022) | 12 (6/29/2016) | (3.4 - 12)/(38 - 14) | -0.358333 |
| 6.4 (8/3/2022) | 12 (6/29/2016) | (6.4 - 12)/(39 - 14) | -0.224 |
| 4.5 (11/16/2022) | 12 (6/29/2016) | (4.5 - 12)/(40 - 14) | -0.288462 |
| 2.9 (2/13/2023) | 12 (6/29/2016) | (2.9 - 12)/(41 - 14) | -0.337037 |
| 4.6 (5/24/2023) | 12 (6/29/2016) | (4.6 - 12)/(42 - 14) | -0.264286 |
| 5.2 (8/7/2023) | 12 (6/29/2016) | (5.2 - 12)/(43 - 14) | -0.234483 |
| ND<2.5 U (12/12/2023) | 12 (6/29/2016) | (2.5 - 12)/(44 - 14) | -0.316667 |
| 5.6 (1/10/2024) | 12 (6/29/2016) | (5.6 - 12)/(45 - 14) | -0.206452 |
| 9.8 (5/20/2024) | 12 (6/29/2016) | (9.8 - 12)/(46 - 14) | -0.06875 |
| 2.7 (9/16/2024) | 12 (6/29/2016) | (2.7 - 12)/(47 - 14) | -0.281818 |
| 7.07 (12/11/2024) | 12 (6/29/2016) | (7.07 - 12)/(48 - 14) | -0.145 |
| 4.2 (2/18/2025) | 12 (6/29/2016) | (4.2 - 12)/(49 - 14) | -0.222857 |
| | | | |
| 4 (12/7/2016) | 13.3 (8/9/2016) | (4 - 13.3)/(16 - 15) | -9.3 |
| 6.1 (3/2/2017) | 13.3 (8/9/2016) | (6.1 - 13.3)/(17 - 15) | -3.6 |
| 16.8 (6/21/2017) | 13.3 (8/9/2016) | (16.8 - 13.3)/(18 - 15) | 1.16667 |
| 13.3 (8/17/2017) | 13.3 (8/9/2016) | (13.3 - 13.3)/(19 - 15) | 0 |
| 7.8 (10/26/2017) | 13.3 (8/9/2016) | (7.8 - 13.3)/(20 - 15) | -1.1 |
| 4.2 (3/27/2018) | 13.3 (8/9/2016) | (4.2 - 13.3)/(21 - 15) | -1.51667 |
| 13.2 (6/26/2018) | 13.3 (8/9/2016) | (13.2 - 13.3)/(22 - 15) | -0.0142857 |
| 43.8 (8/1/2018) | 13.3 (8/9/2016) | (43.8 - 13.3)/(23 - 15) | 3.8125 |
| 4.3 (12/11/2018) | 13.3 (8/9/2016) | (4.3 - 13.3)/(24 - 15) | -1 |

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|---|---|---|---|
| 4 (4/17/2019) | 13.3 (8/9/2016) | (4 - 13.3)/(25 - 15) | -0.93 |
| 8.2 (6/11/2019) | 13.3 (8/9/2016) | (8.2 - 13.3)/(26 - 15) | -0.463636 |
| 9.4 (8/28/2019) | 13.3 (8/9/2016) | (9.4 - 13.3)/(27 - 15) | -0.325 |
| 12.3 (10/28/2019) | 13.3 (8/9/2016) | (12.3 - 13.3)/(28 - 15) | -0.0769231 |
| 143 (3/31/2020) | 13.3 (8/9/2016) | (143 - 13.3)/(29 - 15) | 9.26429 |
| 11.4 (6/10/2020) | 13.3 (8/9/2016) | (11.4 - 13.3)/(30 - 15) | -0.126667 |
| 11.4 (6/10/2020) | 13.3 (8/9/2016) | (11.4 - 13.3)/(30 - 15) | -0.126667 |
| 7.6 (9/21/2020) | 13.3 (8/9/2016) | (7.6 - 13.3)/(31 - 15) | -0.35625 |
| 3.7 (12/17/2020) | 13.3 (8/9/2016) | (3.7 - 13.3)/(32 - 15) | -0.564706 |
| 17.6 (3/18/2021) | 13.3 (8/9/2016) | (17.6 - 13.3)/(33 - 15) | 0.238889 |
| 16.4 (5/5/2021) | 13.3 (8/9/2016) | (16.4 - 13.3)/(34 - 15) | 0.163158 |
| 3.5 (9/2/2021) | 13.3 (8/9/2016) | (3.5 - 13.3)/(35 - 15) | -0.49 |
| 2.8 (11/23/2021) | 13.3 (8/9/2016) | (2.8 - 13.3)/(36 - 15) | -0.5 |
| 3.7 (1/10/2022) | 13.3 (8/9/2016) | (3.7 - 13.3)/(37 - 15) | -0.436364 |
| 3.4 (4/7/2022) | 13.3 (8/9/2016) | (3.4 - 13.3)/(38 - 15) | -0.430435 |
| 6.4 (8/3/2022) | 13.3 (8/9/2016) | (6.4 - 13.3)/(39 - 15) | -0.2875 |
| 4.5 (11/16/2022) | 13.3 (8/9/2016) | (4.5 - 13.3)/(40 - 15) | -0.352 |
| 2.9 (2/13/2023) | 13.3 (8/9/2016) | (2.9 - 13.3)/(41 - 15) | -0.4 |
| 4.6 (5/24/2023) | 13.3 (8/9/2016) | (4.6 - 13.3)/(42 - 15) | -0.322222 |
| 5.2 (8/7/2023) | 13.3 (8/9/2016) | (5.2 - 13.3)/(43 - 15) | -0.289286 |
| ND<2.5 U (12/12/2023) | 13.3 (8/9/2016) | (2.5 - 13.3)/(44 - 15) | -0.372414 |
| 5.6 (1/10/2024) | 13.3 (8/9/2016) | (5.6 - 13.3)/(45 - 15) | -0.256667 |
| 9.8 (5/20/2024) | 13.3 (8/9/2016) | (9.8 - 13.3)/(46 - 15) | -0.112903 |
| 2.7 (9/16/2024) | 13.3 (8/9/2016) | (2.7 - 13.3)/(47 - 15) | -0.33125 |
| 7.07 (12/11/2024) | 13.3 (8/9/2016) | (7.07 - 13.3)/(48 - 15) | -0.188788 |
| 4.2 (2/18/2025) | 13.3 (8/9/2016) | (4.2 - 13.3)/(49 - 15) | -0.267647 |
| | | | |
| 6.1 (3/2/2017) | 4 (12/7/2016) | (6.1 - 4)/(17 - 16) | 2.1 |
| 16.8 (6/21/2017) | 4 (12/7/2016) | (16.8 - 4)/(18 - 16) | 6.4 |
| 13.3 (8/17/2017) | 4 (12/7/2016) | (13.3 - 4)/(19 - 16) | 3.1 |
| 7.8 (10/26/2017) | 4 (12/7/2016) | (7.8 - 4)/(20 - 16) | 0.95 |
| 4.2 (3/27/2018) | 4 (12/7/2016) | (4.2 - 4)/(21 - 16) | 0.04 |
| 13.2 (6/26/2018) | 4 (12/7/2016) | (13.2 - 4)/(22 - 16) | 1.53333 |
| 43.8 (8/1/2018) | 4 (12/7/2016) | (43.8 - 4)/(23 - 16) | 5.68571 |
| 4.3 (12/11/2018) | 4 (12/7/2016) | (4.3 - 4)/(24 - 16) | 0.0375 |
| 4 (4/17/2019) | 4 (12/7/2016) | (4 - 4)/(25 - 16) | 0 |
| 8.2 (6/11/2019) | 4 (12/7/2016) | (8.2 - 4)/(26 - 16) | 0.42 |
| 9.4 (8/28/2019) | 4 (12/7/2016) | (9.4 - 4)/(27 - 16) | 0.490909 |
| 12.3 (10/28/2019) | 4 (12/7/2016) | (12.3 - 4)/(28 - 16) | 0.691667 |
| 143 (3/31/2020) | 4 (12/7/2016) | (143 - 4)/(29 - 16) | 10.6923 |
| 11.4 (6/10/2020) | 4 (12/7/2016) | (11.4 - 4)/(30 - 16) | 0.528571 |
| 11.4 (6/10/2020) | 4 (12/7/2016) | (11.4 - 4)/(30 - 16) | 0.528571 |
| 7.6 (9/21/2020) | 4 (12/7/2016) | (7.6 - 4)/(31 - 16) | 0.24 |
| 3.7 (12/17/2020) | 4 (12/7/2016) | (3.7 - 4)/(32 - 16) | -0.01875 |
| 17.6 (3/18/2021) | 4 (12/7/2016) | (17.6 - 4)/(33 - 16) | 0.8 |
| 16.4 (5/5/2021) | 4 (12/7/2016) | (16.4 - 4)/(34 - 16) | 0.688889 |
| 3.5 (9/2/2021) | 4 (12/7/2016) | (3.5 - 4)/(35 - 16) | -0.0263158 |
| 2.8 (11/23/2021) | 4 (12/7/2016) | (2.8 - 4)/(36 - 16) | -0.06 |
| 3.7 (1/10/2022) | 4 (12/7/2016) | (3.7 - 4)/(37 - 16) | -0.0142857 |
| 3.4 (4/7/2022) | 4 (12/7/2016) | (3.4 - 4)/(38 - 16) | -0.0272727 |
| 6.4 (8/3/2022) | 4 (12/7/2016) | (6.4 - 4)/(39 - 16) | 0.104348 |
| 4.5 (11/16/2022) | 4 (12/7/2016) | (4.5 - 4)/(40 - 16) | 0.0208333 |
| 2.9 (2/13/2023) | 4 (12/7/2016) | (2.9 - 4)/(41 - 16) | -0.044 |
| 4.6 (5/24/2023) | 4 (12/7/2016) | (4.6 - 4)/(42 - 16) | 0.0230769 |
| 5.2 (8/7/2023) | 4 (12/7/2016) | (5.2 - 4)/(43 - 16) | 0.0444444 |
| ND<2.5 U (12/12/2023) | 4 (12/7/2016) | (2.5 - 4)/(44 - 16) | -0.0535714 |
| 5.6 (1/10/2024) | 4 (12/7/2016) | (5.6 - 4)/(45 - 16) | 0.0551724 |

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|---|---|---|---|
| 9.8 (5/20/2024) | 4 (12/7/2016) | (9.8 - 4)/(46 - 16) | 0.193333 |
| 2.7 (9/16/2024) | 4 (12/7/2016) | (2.7 - 4)/(47 - 16) | -0.0419355 |
| 7.07 (12/11/2024) | 4 (12/7/2016) | (7.07 - 4)/(48 - 16) | 0.0959375 |
| 4.2 (2/18/2025) | 4 (12/7/2016) | (4.2 - 4)/(49 - 16) | 0.00606061 |
| | | | |
| 16.8 (6/21/2017) | 6.1 (3/2/2017) | (16.8 - 6.1)/(18 - 17) | 10.7 |
| 13.3 (8/17/2017) | 6.1 (3/2/2017) | (13.3 - 6.1)/(19 - 17) | 3.6 |
| 7.8 (10/26/2017) | 6.1 (3/2/2017) | (7.8 - 6.1)/(20 - 17) | 0.566667 |
| 4.2 (3/27/2018) | 6.1 (3/2/2017) | (4.2 - 6.1)/(21 - 17) | -0.475 |
| 13.2 (6/26/2018) | 6.1 (3/2/2017) | (13.2 - 6.1)/(22 - 17) | 1.42 |
| 43.8 (8/1/2018) | 6.1 (3/2/2017) | (43.8 - 6.1)/(23 - 17) | 6.28333 |
| 4.3 (12/11/2018) | 6.1 (3/2/2017) | (4.3 - 6.1)/(24 - 17) | -0.257143 |
| 4 (4/17/2019) | 6.1 (3/2/2017) | (4 - 6.1)/(25 - 17) | -0.2625 |
| 8.2 (6/11/2019) | 6.1 (3/2/2017) | (8.2 - 6.1)/(26 - 17) | 0.233333 |
| 9.4 (8/28/2019) | 6.1 (3/2/2017) | (9.4 - 6.1)/(27 - 17) | 0.33 |
| 12.3 (10/28/2019) | 6.1 (3/2/2017) | (12.3 - 6.1)/(28 - 17) | 0.563636 |
| 143 (3/31/2020) | 6.1 (3/2/2017) | (143 - 6.1)/(29 - 17) | 11.4083 |
| 11.4 (6/10/2020) | 6.1 (3/2/2017) | (11.4 - 6.1)/(30 - 17) | 0.407692 |
| 11.4 (6/10/2020) | 6.1 (3/2/2017) | (11.4 - 6.1)/(30 - 17) | 0.407692 |
| 7.6 (9/21/2020) | 6.1 (3/2/2017) | (7.6 - 6.1)/(31 - 17) | 0.107143 |
| 3.7 (12/17/2020) | 6.1 (3/2/2017) | (3.7 - 6.1)/(32 - 17) | -0.16 |
| 17.6 (3/18/2021) | 6.1 (3/2/2017) | (17.6 - 6.1)/(33 - 17) | 0.71875 |
| 16.4 (5/5/2021) | 6.1 (3/2/2017) | (16.4 - 6.1)/(34 - 17) | 0.605882 |
| 3.5 (9/2/2021) | 6.1 (3/2/2017) | (3.5 - 6.1)/(35 - 17) | -0.144444 |
| 2.8 (11/23/2021) | 6.1 (3/2/2017) | (2.8 - 6.1)/(36 - 17) | -0.173684 |
| 3.7 (1/10/2022) | 6.1 (3/2/2017) | (3.7 - 6.1)/(37 - 17) | -0.12 |
| 3.4 (4/7/2022) | 6.1 (3/2/2017) | (3.4 - 6.1)/(38 - 17) | -0.128571 |
| 6.4 (8/3/2022) | 6.1 (3/2/2017) | (6.4 - 6.1)/(39 - 17) | 0.0136364 |
| 4.5 (11/16/2022) | 6.1 (3/2/2017) | (4.5 - 6.1)/(40 - 17) | -0.0695652 |
| 2.9 (2/13/2023) | 6.1 (3/2/2017) | (2.9 - 6.1)/(41 - 17) | -0.133333 |
| 4.6 (5/24/2023) | 6.1 (3/2/2017) | (4.6 - 6.1)/(42 - 17) | -0.06 |
| 5.2 (8/7/2023) | 6.1 (3/2/2017) | (5.2 - 6.1)/(43 - 17) | -0.0346154 |
| ND<2.5 U (12/12/2023) | 6.1 (3/2/2017) | (2.5 - 6.1)/(44 - 17) | -0.133333 |
| 5.6 (1/10/2024) | 6.1 (3/2/2017) | (5.6 - 6.1)/(45 - 17) | -0.0178571 |
| 9.8 (5/20/2024) | 6.1 (3/2/2017) | (9.8 - 6.1)/(46 - 17) | 0.127586 |
| 2.7 (9/16/2024) | 6.1 (3/2/2017) | (2.7 - 6.1)/(47 - 17) | -0.113333 |
| 7.07 (12/11/2024) | 6.1 (3/2/2017) | (7.07 - 6.1)/(48 - 17) | 0.0312903 |
| 4.2 (2/18/2025) | 6.1 (3/2/2017) | (4.2 - 6.1)/(49 - 17) | -0.059375 |
| | | | |
| 13.3 (8/17/2017) | 16.8 (6/21/2017) | (13.3 - 16.8)/(19 - 18) | -3.5 |
| 7.8 (10/26/2017) | 16.8 (6/21/2017) | (7.8 - 16.8)/(20 - 18) | -4.5 |
| 4.2 (3/27/2018) | 16.8 (6/21/2017) | (4.2 - 16.8)/(21 - 18) | -4.2 |
| 13.2 (6/26/2018) | 16.8 (6/21/2017) | (13.2 - 16.8)/(22 - 18) | -0.9 |
| 43.8 (8/1/2018) | 16.8 (6/21/2017) | (43.8 - 16.8)/(23 - 18) | 5.4 |
| 4.3 (12/11/2018) | 16.8 (6/21/2017) | (4.3 - 16.8)/(24 - 18) | -2.08333 |
| 4 (4/17/2019) | 16.8 (6/21/2017) | (4 - 16.8)/(25 - 18) | -1.82857 |
| 8.2 (6/11/2019) | 16.8 (6/21/2017) | (8.2 - 16.8)/(26 - 18) | -1.075 |
| 9.4 (8/28/2019) | 16.8 (6/21/2017) | (9.4 - 16.8)/(27 - 18) | -0.822222 |
| 12.3 (10/28/2019) | 16.8 (6/21/2017) | (12.3 - 16.8)/(28 - 18) | -0.45 |
| 143 (3/31/2020) | 16.8 (6/21/2017) | (143 - 16.8)/(29 - 18) | 11.4727 |
| 11.4 (6/10/2020) | 16.8 (6/21/2017) | (11.4 - 16.8)/(30 - 18) | -0.45 |
| 11.4 (6/10/2020) | 16.8 (6/21/2017) | (11.4 - 16.8)/(30 - 18) | -0.45 |
| 7.6 (9/21/2020) | 16.8 (6/21/2017) | (7.6 - 16.8)/(31 - 18) | -0.707692 |
| 3.7 (12/17/2020) | 16.8 (6/21/2017) | (3.7 - 16.8)/(32 - 18) | -0.935714 |
| 17.6 (3/18/2021) | 16.8 (6/21/2017) | (17.6 - 16.8)/(33 - 18) | 0.0533333 |
| 16.4 (5/5/2021) | 16.8 (6/21/2017) | (16.4 - 16.8)/(34 - 18) | -0.025 |
| 3.5 (9/2/2021) | 16.8 (6/21/2017) | (3.5 - 16.8)/(35 - 18) | -0.782353 |

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|---|---|---|---|
| 2.8 (11/23/2021) | 16.8 (6/21/2017) | (2.8 - 16.8)/(36 - 18) | -0.777778 |
| 3.7 (1/10/2022) | 16.8 (6/21/2017) | (3.7 - 16.8)/(37 - 18) | -0.689474 |
| 3.4 (4/7/2022) | 16.8 (6/21/2017) | (3.4 - 16.8)/(38 - 18) | -0.67 |
| 6.4 (8/3/2022) | 16.8 (6/21/2017) | (6.4 - 16.8)/(39 - 18) | -0.495238 |
| 4.5 (11/16/2022) | 16.8 (6/21/2017) | (4.5 - 16.8)/(40 - 18) | -0.559091 |
| 2.9 (2/13/2023) | 16.8 (6/21/2017) | (2.9 - 16.8)/(41 - 18) | -0.604348 |
| 4.6 (5/24/2023) | 16.8 (6/21/2017) | (4.6 - 16.8)/(42 - 18) | -0.508333 |
| 5.2 (8/7/2023) | 16.8 (6/21/2017) | (5.2 - 16.8)/(43 - 18) | -0.464 |
| ND<2.5 U (12/12/2023) | 16.8 (6/21/2017) | (2.5 - 16.8)/(44 - 18) | -0.55 |
| 5.6 (1/10/2024) | 16.8 (6/21/2017) | (5.6 - 16.8)/(45 - 18) | -0.414815 |
| 9.8 (5/20/2024) | 16.8 (6/21/2017) | (9.8 - 16.8)/(46 - 18) | -0.25 |
| 2.7 (9/16/2024) | 16.8 (6/21/2017) | (2.7 - 16.8)/(47 - 18) | -0.486207 |
| 7.07 (12/11/2024) | 16.8 (6/21/2017) | (7.07 - 16.8)/(48 - 18) | -0.324333 |
| 4.2 (2/18/2025) | 16.8 (6/21/2017) | (4.2 - 16.8)/(49 - 18) | -0.406452 |
| | | | |
| 7.8 (10/26/2017) | 13.3 (8/17/2017) | (7.8 - 13.3)/(20 - 19) | -5.5 |
| 4.2 (3/27/2018) | 13.3 (8/17/2017) | (4.2 - 13.3)/(21 - 19) | -4.55 |
| 13.2 (6/26/2018) | 13.3 (8/17/2017) | (13.2 - 13.3)/(22 - 19) | -0.0333333 |
| 43.8 (8/1/2018) | 13.3 (8/17/2017) | (43.8 - 13.3)/(23 - 19) | 7.625 |
| 4.3 (12/11/2018) | 13.3 (8/17/2017) | (4.3 - 13.3)/(24 - 19) | -1.8 |
| 4 (4/17/2019) | 13.3 (8/17/2017) | (4 - 13.3)/(25 - 19) | -1.55 |
| 8.2 (6/11/2019) | 13.3 (8/17/2017) | (8.2 - 13.3)/(26 - 19) | -0.728571 |
| 9.4 (8/28/2019) | 13.3 (8/17/2017) | (9.4 - 13.3)/(27 - 19) | -0.4875 |
| 12.3 (10/28/2019) | 13.3 (8/17/2017) | (12.3 - 13.3)/(28 - 19) | -0.111111 |
| 143 (3/31/2020) | 13.3 (8/17/2017) | (143 - 13.3)/(29 - 19) | 12.97 |
| 11.4 (6/10/2020) | 13.3 (8/17/2017) | (11.4 - 13.3)/(30 - 19) | -0.172727 |
| 11.4 (6/10/2020) | 13.3 (8/17/2017) | (11.4 - 13.3)/(30 - 19) | -0.172727 |
| 7.6 (9/21/2020) | 13.3 (8/17/2017) | (7.6 - 13.3)/(31 - 19) | -0.475 |
| 3.7 (12/17/2020) | 13.3 (8/17/2017) | (3.7 - 13.3)/(32 - 19) | -0.738462 |
| 17.6 (3/18/2021) | 13.3 (8/17/2017) | (17.6 - 13.3)/(33 - 19) | 0.307143 |
| 16.4 (5/5/2021) | 13.3 (8/17/2017) | (16.4 - 13.3)/(34 - 19) | 0.206667 |
| 3.5 (9/2/2021) | 13.3 (8/17/2017) | (3.5 - 13.3)/(35 - 19) | -0.6125 |
| 2.8 (11/23/2021) | 13.3 (8/17/2017) | (2.8 - 13.3)/(36 - 19) | -0.617647 |
| 3.7 (1/10/2022) | 13.3 (8/17/2017) | (3.7 - 13.3)/(37 - 19) | -0.533333 |
| 3.4 (4/7/2022) | 13.3 (8/17/2017) | (3.4 - 13.3)/(38 - 19) | -0.521053 |
| 6.4 (8/3/2022) | 13.3 (8/17/2017) | (6.4 - 13.3)/(39 - 19) | -0.345 |
| 4.5 (11/16/2022) | 13.3 (8/17/2017) | (4.5 - 13.3)/(40 - 19) | -0.419048 |
| 2.9 (2/13/2023) | 13.3 (8/17/2017) | (2.9 - 13.3)/(41 - 19) | -0.472727 |
| 4.6 (5/24/2023) | 13.3 (8/17/2017) | (4.6 - 13.3)/(42 - 19) | -0.378261 |
| 5.2 (8/7/2023) | 13.3 (8/17/2017) | (5.2 - 13.3)/(43 - 19) | -0.3375 |
| ND<2.5 U (12/12/2023) | 13.3 (8/17/2017) | (2.5 - 13.3)/(44 - 19) | -0.432 |
| 5.6 (1/10/2024) | 13.3 (8/17/2017) | (5.6 - 13.3)/(45 - 19) | -0.296154 |
| 9.8 (5/20/2024) | 13.3 (8/17/2017) | (9.8 - 13.3)/(46 - 19) | -0.12963 |
| 2.7 (9/16/2024) | 13.3 (8/17/2017) | (2.7 - 13.3)/(47 - 19) | -0.378571 |
| 7.07 (12/11/2024) | 13.3 (8/17/2017) | (7.07 - 13.3)/(48 - 19) | -0.214828 |
| 4.2 (2/18/2025) | 13.3 (8/17/2017) | (4.2 - 13.3)/(49 - 19) | -0.303333 |
| | | | |
| 4.2 (3/27/2018) | 7.8 (10/26/2017) | (4.2 - 7.8)/(21 - 20) | -3.6 |
| 13.2 (6/26/2018) | 7.8 (10/26/2017) | (13.2 - 7.8)/(22 - 20) | 2.7 |
| 43.8 (8/1/2018) | 7.8 (10/26/2017) | (43.8 - 7.8)/(23 - 20) | 12 |
| 4.3 (12/11/2018) | 7.8 (10/26/2017) | (4.3 - 7.8)/(24 - 20) | -0.875 |
| 4 (4/17/2019) | 7.8 (10/26/2017) | (4 - 7.8)/(25 - 20) | -0.76 |
| 8.2 (6/11/2019) | 7.8 (10/26/2017) | (8.2 - 7.8)/(26 - 20) | 0.0666667 |
| 9.4 (8/28/2019) | 7.8 (10/26/2017) | (9.4 - 7.8)/(27 - 20) | 0.228571 |
| 12.3 (10/28/2019) | 7.8 (10/26/2017) | (12.3 - 7.8)/(28 - 20) | 0.5625 |
| 143 (3/31/2020) | 7.8 (10/26/2017) | (143 - 7.8)/(29 - 20) | 15.0222 |
| 11.4 (6/10/2020) | 7.8 (10/26/2017) | (11.4 - 7.8)/(30 - 20) | 0.36 |

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|---|---|---|---|
| 11.4 (6/10/2020) | 7.8 (10/26/2017) | (11.4 - 7.8)/(30 - 20) | 0.36 |
| 7.6 (9/21/2020) | 7.8 (10/26/2017) | (7.6 - 7.8)/(31 - 20) | -0.0181818 |
| 3.7 (12/17/2020) | 7.8 (10/26/2017) | (3.7 - 7.8)/(32 - 20) | -0.341667 |
| 17.6 (3/18/2021) | 7.8 (10/26/2017) | (17.6 - 7.8)/(33 - 20) | 0.753846 |
| 16.4 (5/5/2021) | 7.8 (10/26/2017) | (16.4 - 7.8)/(34 - 20) | 0.614286 |
| 3.5 (9/2/2021) | 7.8 (10/26/2017) | (3.5 - 7.8)/(35 - 20) | -0.286667 |
| 2.8 (11/23/2021) | 7.8 (10/26/2017) | (2.8 - 7.8)/(36 - 20) | -0.3125 |
| 3.7 (1/10/2022) | 7.8 (10/26/2017) | (3.7 - 7.8)/(37 - 20) | -0.241176 |
| 3.4 (4/7/2022) | 7.8 (10/26/2017) | (3.4 - 7.8)/(38 - 20) | -0.244444 |
| 6.4 (8/3/2022) | 7.8 (10/26/2017) | (6.4 - 7.8)/(39 - 20) | -0.0736842 |
| 4.5 (11/16/2022) | 7.8 (10/26/2017) | (4.5 - 7.8)/(40 - 20) | -0.165 |
| 2.9 (2/13/2023) | 7.8 (10/26/2017) | (2.9 - 7.8)/(41 - 20) | -0.233333 |
| 4.6 (5/24/2023) | 7.8 (10/26/2017) | (4.6 - 7.8)/(42 - 20) | -0.145455 |
| 5.2 (8/7/2023) | 7.8 (10/26/2017) | (5.2 - 7.8)/(43 - 20) | -0.113043 |
| ND<2.5 U (12/12/2023) | 7.8 (10/26/2017) | (2.5 - 7.8)/(44 - 20) | -0.220833 |
| 5.6 (1/10/2024) | 7.8 (10/26/2017) | (5.6 - 7.8)/(45 - 20) | -0.088 |
| 9.8 (5/20/2024) | 7.8 (10/26/2017) | (9.8 - 7.8)/(46 - 20) | 0.0769231 |
| 2.7 (9/16/2024) | 7.8 (10/26/2017) | (2.7 - 7.8)/(47 - 20) | -0.188889 |
| 7.07 (12/11/2024) | 7.8 (10/26/2017) | (7.07 - 7.8)/(48 - 20) | -0.0260714 |
| 4.2 (2/18/2025) | 7.8 (10/26/2017) | (4.2 - 7.8)/(49 - 20) | -0.124138 |
| | | | |
| 13.2 (6/26/2018) | 4.2 (3/27/2018) | (13.2 - 4.2)/(22 - 21) | 9 |
| 43.8 (8/1/2018) | 4.2 (3/27/2018) | (43.8 - 4.2)/(23 - 21) | 19.8 |
| 4.3 (12/11/2018) | 4.2 (3/27/2018) | (4.3 - 4.2)/(24 - 21) | 0.0333333 |
| 4 (4/17/2019) | 4.2 (3/27/2018) | (4 - 4.2)/(25 - 21) | -0.05 |
| 8.2 (6/11/2019) | 4.2 (3/27/2018) | (8.2 - 4.2)/(26 - 21) | 0.8 |
| 9.4 (8/28/2019) | 4.2 (3/27/2018) | (9.4 - 4.2)/(27 - 21) | 0.866667 |
| 12.3 (10/28/2019) | 4.2 (3/27/2018) | (12.3 - 4.2)/(28 - 21) | 1.15714 |
| 143 (3/31/2020) | 4.2 (3/27/2018) | (143 - 4.2)/(29 - 21) | 17.35 |
| 11.4 (6/10/2020) | 4.2 (3/27/2018) | (11.4 - 4.2)/(30 - 21) | 0.8 |
| 11.4 (6/10/2020) | 4.2 (3/27/2018) | (11.4 - 4.2)/(30 - 21) | 0.8 |
| 7.6 (9/21/2020) | 4.2 (3/27/2018) | (7.6 - 4.2)/(31 - 21) | 0.34 |
| 3.7 (12/17/2020) | 4.2 (3/27/2018) | (3.7 - 4.2)/(32 - 21) | -0.0454545 |
| 17.6 (3/18/2021) | 4.2 (3/27/2018) | (17.6 - 4.2)/(33 - 21) | 1.11667 |
| 16.4 (5/5/2021) | 4.2 (3/27/2018) | (16.4 - 4.2)/(34 - 21) | 0.938462 |
| 3.5 (9/2/2021) | 4.2 (3/27/2018) | (3.5 - 4.2)/(35 - 21) | -0.05 |
| 2.8 (11/23/2021) | 4.2 (3/27/2018) | (2.8 - 4.2)/(36 - 21) | -0.0933333 |
| 3.7 (1/10/2022) | 4.2 (3/27/2018) | (3.7 - 4.2)/(37 - 21) | -0.03125 |
| 3.4 (4/7/2022) | 4.2 (3/27/2018) | (3.4 - 4.2)/(38 - 21) | -0.0470588 |
| 6.4 (8/3/2022) | 4.2 (3/27/2018) | (6.4 - 4.2)/(39 - 21) | 0.122222 |
| 4.5 (11/16/2022) | 4.2 (3/27/2018) | (4.5 - 4.2)/(40 - 21) | 0.0157895 |
| 2.9 (2/13/2023) | 4.2 (3/27/2018) | (2.9 - 4.2)/(41 - 21) | -0.065 |
| 4.6 (5/24/2023) | 4.2 (3/27/2018) | (4.6 - 4.2)/(42 - 21) | 0.0190476 |
| 5.2 (8/7/2023) | 4.2 (3/27/2018) | (5.2 - 4.2)/(43 - 21) | 0.0454545 |
| ND<2.5 U (12/12/2023) | 4.2 (3/27/2018) | (2.5 - 4.2)/(44 - 21) | -0.073913 |
| 5.6 (1/10/2024) | 4.2 (3/27/2018) | (5.6 - 4.2)/(45 - 21) | 0.0583333 |
| 9.8 (5/20/2024) | 4.2 (3/27/2018) | (9.8 - 4.2)/(46 - 21) | 0.224 |
| 2.7 (9/16/2024) | 4.2 (3/27/2018) | (2.7 - 4.2)/(47 - 21) | -0.0576923 |
| 7.07 (12/11/2024) | 4.2 (3/27/2018) | (7.07 - 4.2)/(48 - 21) | 0.106296 |
| 4.2 (2/18/2025) | 4.2 (3/27/2018) | (4.2 - 4.2)/(49 - 21) | 0 |
| | | | |
| 43.8 (8/1/2018) | 13.2 (6/26/2018) | (43.8 - 13.2)/(23 - 22) | 30.6 |
| 4.3 (12/11/2018) | 13.2 (6/26/2018) | (4.3 - 13.2)/(24 - 22) | -4.45 |
| 4 (4/17/2019) | 13.2 (6/26/2018) | (4 - 13.2)/(25 - 22) | -3.06667 |
| 8.2 (6/11/2019) | 13.2 (6/26/2018) | (8.2 - 13.2)/(26 - 22) | -1.25 |
| 9.4 (8/28/2019) | 13.2 (6/26/2018) | (9.4 - 13.2)/(27 - 22) | -0.76 |
| 12.3 (10/28/2019) | 13.2 (6/26/2018) | (12.3 - 13.2)/(28 - 22) | -0.15 |

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|---|---|---|---|
| 143 (3/31/2020) | 13.2 (6/26/2018) | (143 - 13.2)/(29 - 22) | 18.5429 |
| 11.4 (6/10/2020) | 13.2 (6/26/2018) | (11.4 - 13.2)/(30 - 22) | -0.225 |
| 11.4 (6/10/2020) | 13.2 (6/26/2018) | (11.4 - 13.2)/(30 - 22) | -0.225 |
| 7.6 (9/21/2020) | 13.2 (6/26/2018) | (7.6 - 13.2)/(31 - 22) | -0.622222 |
| 3.7 (12/17/2020) | 13.2 (6/26/2018) | (3.7 - 13.2)/(32 - 22) | -0.95 |
| 17.6 (3/18/2021) | 13.2 (6/26/2018) | (17.6 - 13.2)/(33 - 22) | 0.4 |
| 16.4 (5/5/2021) | 13.2 (6/26/2018) | (16.4 - 13.2)/(34 - 22) | 0.266667 |
| 3.5 (9/2/2021) | 13.2 (6/26/2018) | (3.5 - 13.2)/(35 - 22) | -0.746154 |
| 2.8 (11/23/2021) | 13.2 (6/26/2018) | (2.8 - 13.2)/(36 - 22) | -0.742857 |
| 3.7 (1/10/2022) | 13.2 (6/26/2018) | (3.7 - 13.2)/(37 - 22) | -0.633333 |
| 3.4 (4/7/2022) | 13.2 (6/26/2018) | (3.4 - 13.2)/(38 - 22) | -0.6125 |
| 6.4 (8/3/2022) | 13.2 (6/26/2018) | (6.4 - 13.2)/(39 - 22) | -0.4 |
| 4.5 (11/16/2022) | 13.2 (6/26/2018) | (4.5 - 13.2)/(40 - 22) | -0.483333 |
| 2.9 (2/13/2023) | 13.2 (6/26/2018) | (2.9 - 13.2)/(41 - 22) | -0.542105 |
| 4.6 (5/24/2023) | 13.2 (6/26/2018) | (4.6 - 13.2)/(42 - 22) | -0.43 |
| 5.2 (8/7/2023) | 13.2 (6/26/2018) | (5.2 - 13.2)/(43 - 22) | -0.380952 |
| ND<2.5 U (12/12/2023) | 13.2 (6/26/2018) | (2.5 - 13.2)/(44 - 22) | -0.486364 |
| 5.6 (1/10/2024) | 13.2 (6/26/2018) | (5.6 - 13.2)/(45 - 22) | -0.330435 |
| 9.8 (5/20/2024) | 13.2 (6/26/2018) | (9.8 - 13.2)/(46 - 22) | -0.141667 |
| 2.7 (9/16/2024) | 13.2 (6/26/2018) | (2.7 - 13.2)/(47 - 22) | -0.42 |
| 7.07 (12/11/2024) | 13.2 (6/26/2018) | (7.07 - 13.2)/(48 - 22) | -0.235769 |
| 4.2 (2/18/2025) | 13.2 (6/26/2018) | (4.2 - 13.2)/(49 - 22) | -0.333333 |
| | | | |
| 4.3 (12/11/2018) | 43.8 (8/1/2018) | (4.3 - 43.8)/(24 - 23) | -39.5 |
| 4 (4/17/2019) | 43.8 (8/1/2018) | (4 - 43.8)/(25 - 23) | -19.9 |
| 8.2 (6/11/2019) | 43.8 (8/1/2018) | (8.2 - 43.8)/(26 - 23) | -11.8667 |
| 9.4 (8/28/2019) | 43.8 (8/1/2018) | (9.4 - 43.8)/(27 - 23) | -8.6 |
| 12.3 (10/28/2019) | 43.8 (8/1/2018) | (12.3 - 43.8)/(28 - 23) | -6.3 |
| 143 (3/31/2020) | 43.8 (8/1/2018) | (143 - 43.8)/(29 - 23) | 16.5333 |
| 11.4 (6/10/2020) | 43.8 (8/1/2018) | (11.4 - 43.8)/(30 - 23) | -4.62857 |
| 11.4 (6/10/2020) | 43.8 (8/1/2018) | (11.4 - 43.8)/(30 - 23) | -4.62857 |
| 7.6 (9/21/2020) | 43.8 (8/1/2018) | (7.6 - 43.8)/(31 - 23) | -4.525 |
| 3.7 (12/17/2020) | 43.8 (8/1/2018) | (3.7 - 43.8)/(32 - 23) | -4.45556 |
| 17.6 (3/18/2021) | 43.8 (8/1/2018) | (17.6 - 43.8)/(33 - 23) | -2.62 |
| 16.4 (5/5/2021) | 43.8 (8/1/2018) | (16.4 - 43.8)/(34 - 23) | -2.49091 |
| 3.5 (9/2/2021) | 43.8 (8/1/2018) | (3.5 - 43.8)/(35 - 23) | -3.35833 |
| 2.8 (11/23/2021) | 43.8 (8/1/2018) | (2.8 - 43.8)/(36 - 23) | -3.15385 |
| 3.7 (1/10/2022) | 43.8 (8/1/2018) | (3.7 - 43.8)/(37 - 23) | -2.86429 |
| 3.4 (4/7/2022) | 43.8 (8/1/2018) | (3.4 - 43.8)/(38 - 23) | -2.69333 |
| 6.4 (8/3/2022) | 43.8 (8/1/2018) | (6.4 - 43.8)/(39 - 23) | -2.3375 |
| 4.5 (11/16/2022) | 43.8 (8/1/2018) | (4.5 - 43.8)/(40 - 23) | -2.31176 |
| 2.9 (2/13/2023) | 43.8 (8/1/2018) | (2.9 - 43.8)/(41 - 23) | -2.27222 |
| 4.6 (5/24/2023) | 43.8 (8/1/2018) | (4.6 - 43.8)/(42 - 23) | -2.06316 |
| 5.2 (8/7/2023) | 43.8 (8/1/2018) | (5.2 - 43.8)/(43 - 23) | -1.93 |
| ND<2.5 U (12/12/2023) | 43.8 (8/1/2018) | (2.5 - 43.8)/(44 - 23) | -1.96667 |
| 5.6 (1/10/2024) | 43.8 (8/1/2018) | (5.6 - 43.8)/(45 - 23) | -1.73636 |
| 9.8 (5/20/2024) | 43.8 (8/1/2018) | (9.8 - 43.8)/(46 - 23) | -1.47826 |
| 2.7 (9/16/2024) | 43.8 (8/1/2018) | (2.7 - 43.8)/(47 - 23) | -1.7125 |
| 7.07 (12/11/2024) | 43.8 (8/1/2018) | (7.07 - 43.8)/(48 - 23) | -1.4692 |
| 4.2 (2/18/2025) | 43.8 (8/1/2018) | (4.2 - 43.8)/(49 - 23) | -1.52308 |
| | | | |
| 4 (4/17/2019) | 4.3 (12/11/2018) | (4 - 4.3)/(25 - 24) | -0.3 |
| 8.2 (6/11/2019) | 4.3 (12/11/2018) | (8.2 - 4.3)/(26 - 24) | 1.95 |
| 9.4 (8/28/2019) | 4.3 (12/11/2018) | (9.4 - 4.3)/(27 - 24) | 1.7 |
| 12.3 (10/28/2019) | 4.3 (12/11/2018) | (12.3 - 4.3)/(28 - 24) | 2 |
| 143 (3/31/2020) | 4.3 (12/11/2018) | (143 - 4.3)/(29 - 24) | 27.74 |
| 11.4 (6/10/2020) | 4.3 (12/11/2018) | (11.4 - 4.3)/(30 - 24) | 1.18333 |

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|---|---|---|---|
| 11.4 (6/10/2020) | 4.3 (12/11/2018) | (11.4 - 4.3)/(30 - 24) | 1.18333 |
| 7.6 (9/21/2020) | 4.3 (12/11/2018) | (7.6 - 4.3)/(31 - 24) | 0.471429 |
| 3.7 (12/17/2020) | 4.3 (12/11/2018) | (3.7 - 4.3)/(32 - 24) | -0.075 |
| 17.6 (3/18/2021) | 4.3 (12/11/2018) | (17.6 - 4.3)/(33 - 24) | 1.47778 |
| 16.4 (5/5/2021) | 4.3 (12/11/2018) | (16.4 - 4.3)/(34 - 24) | 1.21 |
| 3.5 (9/2/2021) | 4.3 (12/11/2018) | (3.5 - 4.3)/(35 - 24) | -0.0727273 |
| 2.8 (11/23/2021) | 4.3 (12/11/2018) | (2.8 - 4.3)/(36 - 24) | -0.125 |
| 3.7 (1/10/2022) | 4.3 (12/11/2018) | (3.7 - 4.3)/(37 - 24) | -0.0461538 |
| 3.4 (4/7/2022) | 4.3 (12/11/2018) | (3.4 - 4.3)/(38 - 24) | -0.0642857 |
| 6.4 (8/3/2022) | 4.3 (12/11/2018) | (6.4 - 4.3)/(39 - 24) | 0.14 |
| 4.5 (11/16/2022) | 4.3 (12/11/2018) | (4.5 - 4.3)/(40 - 24) | 0.0125 |
| 2.9 (2/13/2023) | 4.3 (12/11/2018) | (2.9 - 4.3)/(41 - 24) | -0.0823529 |
| 4.6 (5/24/2023) | 4.3 (12/11/2018) | (4.6 - 4.3)/(42 - 24) | 0.0166667 |
| 5.2 (8/7/2023) | 4.3 (12/11/2018) | (5.2 - 4.3)/(43 - 24) | 0.0473684 |
| ND<2.5 U (12/12/2023) | 4.3 (12/11/2018) | (2.5 - 4.3)/(44 - 24) | -0.09 |
| 5.6 (1/10/2024) | 4.3 (12/11/2018) | (5.6 - 4.3)/(45 - 24) | 0.0619048 |
| 9.8 (5/20/2024) | 4.3 (12/11/2018) | (9.8 - 4.3)/(46 - 24) | 0.25 |
| 2.7 (9/16/2024) | 4.3 (12/11/2018) | (2.7 - 4.3)/(47 - 24) | -0.0695652 |
| 7.07 (12/11/2024) | 4.3 (12/11/2018) | (7.07 - 4.3)/(48 - 24) | 0.115417 |
| 4.2 (2/18/2025) | 4.3 (12/11/2018) | (4.2 - 4.3)/(49 - 24) | -0.004 |
| | | | |
| 8.2 (6/11/2019) | 4 (4/17/2019) | (8.2 - 4)/(26 - 25) | 4.2 |
| 9.4 (8/28/2019) | 4 (4/17/2019) | (9.4 - 4)/(27 - 25) | 2.7 |
| 12.3 (10/28/2019) | 4 (4/17/2019) | (12.3 - 4)/(28 - 25) | 2.76667 |
| 143 (3/31/2020) | 4 (4/17/2019) | (143 - 4)/(29 - 25) | 34.75 |
| 11.4 (6/10/2020) | 4 (4/17/2019) | (11.4 - 4)/(30 - 25) | 1.48 |
| 11.4 (6/10/2020) | 4 (4/17/2019) | (11.4 - 4)/(30 - 25) | 1.48 |
| 7.6 (9/21/2020) | 4 (4/17/2019) | (7.6 - 4)/(31 - 25) | 0.6 |
| 3.7 (12/17/2020) | 4 (4/17/2019) | (3.7 - 4)/(32 - 25) | -0.0428571 |
| 17.6 (3/18/2021) | 4 (4/17/2019) | (17.6 - 4)/(33 - 25) | 1.7 |
| 16.4 (5/5/2021) | 4 (4/17/2019) | (16.4 - 4)/(34 - 25) | 1.37778 |
| 3.5 (9/2/2021) | 4 (4/17/2019) | (3.5 - 4)/(35 - 25) | -0.05 |
| 2.8 (11/23/2021) | 4 (4/17/2019) | (2.8 - 4)/(36 - 25) | -0.109091 |
| 3.7 (1/10/2022) | 4 (4/17/2019) | (3.7 - 4)/(37 - 25) | -0.025 |
| 3.4 (4/7/2022) | 4 (4/17/2019) | (3.4 - 4)/(38 - 25) | -0.0461538 |
| 6.4 (8/3/2022) | 4 (4/17/2019) | (6.4 - 4)/(39 - 25) | 0.171429 |
| 4.5 (11/16/2022) | 4 (4/17/2019) | (4.5 - 4)/(40 - 25) | 0.0333333 |
| 2.9 (2/13/2023) | 4 (4/17/2019) | (2.9 - 4)/(41 - 25) | -0.06875 |
| 4.6 (5/24/2023) | 4 (4/17/2019) | (4.6 - 4)/(42 - 25) | 0.0352941 |
| 5.2 (8/7/2023) | 4 (4/17/2019) | (5.2 - 4)/(43 - 25) | 0.0666667 |
| ND<2.5 U (12/12/2023) | 4 (4/17/2019) | (2.5 - 4)/(44 - 25) | -0.0789474 |
| 5.6 (1/10/2024) | 4 (4/17/2019) | (5.6 - 4)/(45 - 25) | 0.08 |
| 9.8 (5/20/2024) | 4 (4/17/2019) | (9.8 - 4)/(46 - 25) | 0.27619 |
| 2.7 (9/16/2024) | 4 (4/17/2019) | (2.7 - 4)/(47 - 25) | -0.0590909 |
| 7.07 (12/11/2024) | 4 (4/17/2019) | (7.07 - 4)/(48 - 25) | 0.133478 |
| 4.2 (2/18/2025) | 4 (4/17/2019) | (4.2 - 4)/(49 - 25) | 0.00833333 |
| | | | |
| 9.4 (8/28/2019) | 8.2 (6/11/2019) | (9.4 - 8.2)/(27 - 26) | 1.2 |
| 12.3 (10/28/2019) | 8.2 (6/11/2019) | (12.3 - 8.2)/(28 - 26) | 2.05 |
| 143 (3/31/2020) | 8.2 (6/11/2019) | (143 - 8.2)/(29 - 26) | 44.9333 |
| 11.4 (6/10/2020) | 8.2 (6/11/2019) | (11.4 - 8.2)/(30 - 26) | 0.8 |
| 11.4 (6/10/2020) | 8.2 (6/11/2019) | (11.4 - 8.2)/(30 - 26) | 0.8 |
| 7.6 (9/21/2020) | 8.2 (6/11/2019) | (7.6 - 8.2)/(31 - 26) | -0.12 |
| 3.7 (12/17/2020) | 8.2 (6/11/2019) | (3.7 - 8.2)/(32 - 26) | -0.75 |
| 17.6 (3/18/2021) | 8.2 (6/11/2019) | (17.6 - 8.2)/(33 - 26) | 1.34286 |
| 16.4 (5/5/2021) | 8.2 (6/11/2019) | (16.4 - 8.2)/(34 - 26) | 1.025 |
| 3.5 (9/2/2021) | 8.2 (6/11/2019) | (3.5 - 8.2)/(35 - 26) | -0.522222 |

| | | | |
|---|---|---|---|
| 2.8 (11/23/2021) | 8.2 (6/11/2019) | (2.8 - 8.2)/(36 - 26) | -0.54 |
| 3.7 (1/10/2022) | 8.2 (6/11/2019) | (3.7 - 8.2)/(37 - 26) | -0.409091 |
| 3.4 (4/7/2022) | 8.2 (6/11/2019) | (3.4 - 8.2)/(38 - 26) | -0.4 |
| 6.4 (8/3/2022) | 8.2 (6/11/2019) | (6.4 - 8.2)/(39 - 26) | -0.138462 |
| 4.5 (11/16/2022) | 8.2 (6/11/2019) | (4.5 - 8.2)/(40 - 26) | -0.264286 |
| 2.9 (2/13/2023) | 8.2 (6/11/2019) | (2.9 - 8.2)/(41 - 26) | -0.353333 |
| 4.6 (5/24/2023) | 8.2 (6/11/2019) | (4.6 - 8.2)/(42 - 26) | -0.225 |
| 5.2 (8/7/2023) | 8.2 (6/11/2019) | (5.2 - 8.2)/(43 - 26) | -0.176471 |
| ND<2.5 U (12/12/2023) | 8.2 (6/11/2019) | (2.5 - 8.2)/(44 - 26) | -0.316667 |
| 5.6 (1/10/2024) | 8.2 (6/11/2019) | (5.6 - 8.2)/(45 - 26) | -0.136842 |
| 9.8 (5/20/2024) | 8.2 (6/11/2019) | (9.8 - 8.2)/(46 - 26) | 0.08 |
| 2.7 (9/16/2024) | 8.2 (6/11/2019) | (2.7 - 8.2)/(47 - 26) | -0.261905 |
| 7.07 (12/11/2024) | 8.2 (6/11/2019) | (7.07 - 8.2)/(48 - 26) | -0.0513636 |
| 4.2 (2/18/2025) | 8.2 (6/11/2019) | (4.2 - 8.2)/(49 - 26) | -0.173913 |
| | | | |
| 12.3 (10/28/2019) | 9.4 (8/28/2019) | (12.3 - 9.4)/(28 - 27) | 2.9 |
| 143 (3/31/2020) | 9.4 (8/28/2019) | (143 - 9.4)/(29 - 27) | 66.8 |
| 11.4 (6/10/2020) | 9.4 (8/28/2019) | (11.4 - 9.4)/(30 - 27) | 0.666667 |
| 11.4 (6/10/2020) | 9.4 (8/28/2019) | (11.4 - 9.4)/(30 - 27) | 0.666667 |
| 7.6 (9/21/2020) | 9.4 (8/28/2019) | (7.6 - 9.4)/(31 - 27) | -0.45 |
| 3.7 (12/17/2020) | 9.4 (8/28/2019) | (3.7 - 9.4)/(32 - 27) | -1.14 |
| 17.6 (3/18/2021) | 9.4 (8/28/2019) | (17.6 - 9.4)/(33 - 27) | 1.36667 |
| 16.4 (5/5/2021) | 9.4 (8/28/2019) | (16.4 - 9.4)/(34 - 27) | 1 |
| 3.5 (9/2/2021) | 9.4 (8/28/2019) | (3.5 - 9.4)/(35 - 27) | -0.7375 |
| 2.8 (11/23/2021) | 9.4 (8/28/2019) | (2.8 - 9.4)/(36 - 27) | -0.733333 |
| 3.7 (1/10/2022) | 9.4 (8/28/2019) | (3.7 - 9.4)/(37 - 27) | -0.57 |
| 3.4 (4/7/2022) | 9.4 (8/28/2019) | (3.4 - 9.4)/(38 - 27) | -0.545455 |
| 6.4 (8/3/2022) | 9.4 (8/28/2019) | (6.4 - 9.4)/(39 - 27) | -0.25 |
| 4.5 (11/16/2022) | 9.4 (8/28/2019) | (4.5 - 9.4)/(40 - 27) | -0.376923 |
| 2.9 (2/13/2023) | 9.4 (8/28/2019) | (2.9 - 9.4)/(41 - 27) | -0.464286 |
| 4.6 (5/24/2023) | 9.4 (8/28/2019) | (4.6 - 9.4)/(42 - 27) | -0.32 |
| 5.2 (8/7/2023) | 9.4 (8/28/2019) | (5.2 - 9.4)/(43 - 27) | -0.2625 |
| ND<2.5 U (12/12/2023) | 9.4 (8/28/2019) | (2.5 - 9.4)/(44 - 27) | -0.405882 |
| 5.6 (1/10/2024) | 9.4 (8/28/2019) | (5.6 - 9.4)/(45 - 27) | -0.211111 |
| 9.8 (5/20/2024) | 9.4 (8/28/2019) | (9.8 - 9.4)/(46 - 27) | 0.0210526 |
| 2.7 (9/16/2024) | 9.4 (8/28/2019) | (2.7 - 9.4)/(47 - 27) | -0.335 |
| 7.07 (12/11/2024) | 9.4 (8/28/2019) | (7.07 - 9.4)/(48 - 27) | -0.110952 |
| 4.2 (2/18/2025) | 9.4 (8/28/2019) | (4.2 - 9.4)/(49 - 27) | -0.236364 |
| | | | |
| 143 (3/31/2020) | 12.3 (10/28/2019) | (143 - 12.3)/(29 - 28) | 130.7 |
| 11.4 (6/10/2020) | 12.3 (10/28/2019) | (11.4 - 12.3)/(30 - 28) | -0.45 |
| 11.4 (6/10/2020) | 12.3 (10/28/2019) | (11.4 - 12.3)/(30 - 28) | -0.45 |
| 7.6 (9/21/2020) | 12.3 (10/28/2019) | (7.6 - 12.3)/(31 - 28) | -1.56667 |
| 3.7 (12/17/2020) | 12.3 (10/28/2019) | (3.7 - 12.3)/(32 - 28) | -2.15 |
| 17.6 (3/18/2021) | 12.3 (10/28/2019) | (17.6 - 12.3)/(33 - 28) | 1.06 |
| 16.4 (5/5/2021) | 12.3 (10/28/2019) | (16.4 - 12.3)/(34 - 28) | 0.683333 |
| 3.5 (9/2/2021) | 12.3 (10/28/2019) | (3.5 - 12.3)/(35 - 28) | -1.25714 |
| 2.8 (11/23/2021) | 12.3 (10/28/2019) | (2.8 - 12.3)/(36 - 28) | -1.1875 |
| 3.7 (1/10/2022) | 12.3 (10/28/2019) | (3.7 - 12.3)/(37 - 28) | -0.955556 |
| 3.4 (4/7/2022) | 12.3 (10/28/2019) | (3.4 - 12.3)/(38 - 28) | -0.89 |
| 6.4 (8/3/2022) | 12.3 (10/28/2019) | (6.4 - 12.3)/(39 - 28) | -0.536364 |
| 4.5 (11/16/2022) | 12.3 (10/28/2019) | (4.5 - 12.3)/(40 - 28) | -0.65 |
| 2.9 (2/13/2023) | 12.3 (10/28/2019) | (2.9 - 12.3)/(41 - 28) | -0.723077 |
| 4.6 (5/24/2023) | 12.3 (10/28/2019) | (4.6 - 12.3)/(42 - 28) | -0.55 |
| 5.2 (8/7/2023) | 12.3 (10/28/2019) | (5.2 - 12.3)/(43 - 28) | -0.473333 |
| ND<2.5 U (12/12/2023) | 12.3 (10/28/2019) | (2.5 - 12.3)/(44 - 28) | -0.6125 |
| 5.6 (1/10/2024) | 12.3 (10/28/2019) | (5.6 - 12.3)/(45 - 28) | -0.394118 |

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| 9.8 (5/20/2024) | 12.3 (10/28/2019) | (9.8 - 12.3)/(46 - 28) | -0.138889 |
| 2.7 (9/16/2024) | 12.3 (10/28/2019) | (2.7 - 12.3)/(47 - 28) | -0.505263 |
| 7.07 (12/11/2024) | 12.3 (10/28/2019) | (7.07 - 12.3)/(48 - 28) | -0.2615 |
| 4.2 (2/18/2025) | 12.3 (10/28/2019) | (4.2 - 12.3)/(49 - 28) | -0.385714 |
| | | | |
| 11.4 (6/10/2020) | 143 (3/31/2020) | (11.4 - 143)/(30 - 29) | -131.6 |
| 11.4 (6/10/2020) | 143 (3/31/2020) | (11.4 - 143)/(30 - 29) | -131.6 |
| 7.6 (9/21/2020) | 143 (3/31/2020) | (7.6 - 143)/(31 - 29) | -67.7 |
| 3.7 (12/17/2020) | 143 (3/31/2020) | (3.7 - 143)/(32 - 29) | -46.4333 |
| 17.6 (3/18/2021) | 143 (3/31/2020) | (17.6 - 143)/(33 - 29) | -31.35 |
| 16.4 (5/5/2021) | 143 (3/31/2020) | (16.4 - 143)/(34 - 29) | -25.32 |
| 3.5 (9/2/2021) | 143 (3/31/2020) | (3.5 - 143)/(35 - 29) | -23.25 |
| 2.8 (11/23/2021) | 143 (3/31/2020) | (2.8 - 143)/(36 - 29) | -20.0286 |
| 3.7 (1/10/2022) | 143 (3/31/2020) | (3.7 - 143)/(37 - 29) | -17.4125 |
| 3.4 (4/7/2022) | 143 (3/31/2020) | (3.4 - 143)/(38 - 29) | -15.5111 |
| 6.4 (8/3/2022) | 143 (3/31/2020) | (6.4 - 143)/(39 - 29) | -13.66 |
| 4.5 (11/16/2022) | 143 (3/31/2020) | (4.5 - 143)/(40 - 29) | -12.5909 |
| 2.9 (2/13/2023) | 143 (3/31/2020) | (2.9 - 143)/(41 - 29) | -11.675 |
| 4.6 (5/24/2023) | 143 (3/31/2020) | (4.6 - 143)/(42 - 29) | -10.6462 |
| 5.2 (8/7/2023) | 143 (3/31/2020) | (5.2 - 143)/(43 - 29) | -9.84286 |
| ND<2.5 U (12/12/2023) | 143 (3/31/2020) | (2.5 - 143)/(44 - 29) | -9.36667 |
| 5.6 (1/10/2024) | 143 (3/31/2020) | (5.6 - 143)/(45 - 29) | -8.5875 |
| 9.8 (5/20/2024) | 143 (3/31/2020) | (9.8 - 143)/(46 - 29) | -7.83529 |
| 2.7 (9/16/2024) | 143 (3/31/2020) | (2.7 - 143)/(47 - 29) | -7.79444 |
| 7.07 (12/11/2024) | 143 (3/31/2020) | (7.07 - 143)/(48 - 29) | -7.15421 |
| 4.2 (2/18/2025) | 143 (3/31/2020) | (4.2 - 143)/(49 - 29) | -6.94 |
| | | | |
| 11.4 (6/10/2020) | 11.4 (6/10/2020) | (11.4 - 11.4)/(30 - 30) | Same Date |
| 7.6 (9/21/2020) | 11.4 (6/10/2020) | (7.6 - 11.4)/(31 - 30) | -3.8 |
| 3.7 (12/17/2020) | 11.4 (6/10/2020) | (3.7 - 11.4)/(32 - 30) | -3.85 |
| 17.6 (3/18/2021) | 11.4 (6/10/2020) | (17.6 - 11.4)/(33 - 30) | 2.06667 |
| 16.4 (5/5/2021) | 11.4 (6/10/2020) | (16.4 - 11.4)/(34 - 30) | 1.25 |
| 3.5 (9/2/2021) | 11.4 (6/10/2020) | (3.5 - 11.4)/(35 - 30) | -1.58 |
| 2.8 (11/23/2021) | 11.4 (6/10/2020) | (2.8 - 11.4)/(36 - 30) | -1.43333 |
| 3.7 (1/10/2022) | 11.4 (6/10/2020) | (3.7 - 11.4)/(37 - 30) | -1.1 |
| 3.4 (4/7/2022) | 11.4 (6/10/2020) | (3.4 - 11.4)/(38 - 30) | -1 |
| 6.4 (8/3/2022) | 11.4 (6/10/2020) | (6.4 - 11.4)/(39 - 30) | -0.555556 |
| 4.5 (11/16/2022) | 11.4 (6/10/2020) | (4.5 - 11.4)/(40 - 30) | -0.69 |
| 2.9 (2/13/2023) | 11.4 (6/10/2020) | (2.9 - 11.4)/(41 - 30) | -0.772727 |
| 4.6 (5/24/2023) | 11.4 (6/10/2020) | (4.6 - 11.4)/(42 - 30) | -0.566667 |
| 5.2 (8/7/2023) | 11.4 (6/10/2020) | (5.2 - 11.4)/(43 - 30) | -0.476923 |
| ND<2.5 U (12/12/2023) | 11.4 (6/10/2020) | (2.5 - 11.4)/(44 - 30) | -0.635714 |
| 5.6 (1/10/2024) | 11.4 (6/10/2020) | (5.6 - 11.4)/(45 - 30) | -0.386667 |
| 9.8 (5/20/2024) | 11.4 (6/10/2020) | (9.8 - 11.4)/(46 - 30) | -0.1 |
| 2.7 (9/16/2024) | 11.4 (6/10/2020) | (2.7 - 11.4)/(47 - 30) | -0.511765 |
| 7.07 (12/11/2024) | 11.4 (6/10/2020) | (7.07 - 11.4)/(48 - 30) | -0.240556 |
| 4.2 (2/18/2025) | 11.4 (6/10/2020) | (4.2 - 11.4)/(49 - 30) | -0.378947 |
| | | | |
| 7.6 (9/21/2020) | 11.4 (6/10/2020) | (7.6 - 11.4)/(31 - 30) | -3.8 |
| 3.7 (12/17/2020) | 11.4 (6/10/2020) | (3.7 - 11.4)/(32 - 30) | -3.85 |
| 17.6 (3/18/2021) | 11.4 (6/10/2020) | (17.6 - 11.4)/(33 - 30) | 2.06667 |
| 16.4 (5/5/2021) | 11.4 (6/10/2020) | (16.4 - 11.4)/(34 - 30) | 1.25 |
| 3.5 (9/2/2021) | 11.4 (6/10/2020) | (3.5 - 11.4)/(35 - 30) | -1.58 |
| 2.8 (11/23/2021) | 11.4 (6/10/2020) | (2.8 - 11.4)/(36 - 30) | -1.43333 |
| 3.7 (1/10/2022) | 11.4 (6/10/2020) | (3.7 - 11.4)/(37 - 30) | -1.1 |
| 3.4 (4/7/2022) | 11.4 (6/10/2020) | (3.4 - 11.4)/(38 - 30) | -1 |
| 6.4 (8/3/2022) | 11.4 (6/10/2020) | (6.4 - 11.4)/(39 - 30) | -0.555556 |

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|---|---|---|---|
| 4.5 (11/16/2022) | 11.4 (6/10/2020) | (4.5 - 11.4)/(40 - 30) | -0.69 |
| 2.9 (2/13/2023) | 11.4 (6/10/2020) | (2.9 - 11.4)/(41 - 30) | -0.772727 |
| 4.6 (5/24/2023) | 11.4 (6/10/2020) | (4.6 - 11.4)/(42 - 30) | -0.566667 |
| 5.2 (8/7/2023) | 11.4 (6/10/2020) | (5.2 - 11.4)/(43 - 30) | -0.476923 |
| ND<2.5 U (12/12/2023) | 11.4 (6/10/2020) | (2.5 - 11.4)/(44 - 30) | -0.635714 |
| 5.6 (1/10/2024) | 11.4 (6/10/2020) | (5.6 - 11.4)/(45 - 30) | -0.386667 |
| 9.8 (5/20/2024) | 11.4 (6/10/2020) | (9.8 - 11.4)/(46 - 30) | -0.1 |
| 2.7 (9/16/2024) | 11.4 (6/10/2020) | (2.7 - 11.4)/(47 - 30) | -0.511765 |
| 7.07 (12/11/2024) | 11.4 (6/10/2020) | (7.07 - 11.4)/(48 - 30) | -0.240556 |
| 4.2 (2/18/2025) | 11.4 (6/10/2020) | (4.2 - 11.4)/(49 - 30) | -0.378947 |
| | | | |
| 3.7 (12/17/2020) | 7.6 (9/21/2020) | (3.7 - 7.6)/(32 - 31) | -3.9 |
| 17.6 (3/18/2021) | 7.6 (9/21/2020) | (17.6 - 7.6)/(33 - 31) | 5 |
| 16.4 (5/5/2021) | 7.6 (9/21/2020) | (16.4 - 7.6)/(34 - 31) | 2.93333 |
| 3.5 (9/2/2021) | 7.6 (9/21/2020) | (3.5 - 7.6)/(35 - 31) | -1.025 |
| 2.8 (11/23/2021) | 7.6 (9/21/2020) | (2.8 - 7.6)/(36 - 31) | -0.96 |
| 3.7 (1/10/2022) | 7.6 (9/21/2020) | (3.7 - 7.6)/(37 - 31) | -0.65 |
| 3.4 (4/7/2022) | 7.6 (9/21/2020) | (3.4 - 7.6)/(38 - 31) | -0.6 |
| 6.4 (8/3/2022) | 7.6 (9/21/2020) | (6.4 - 7.6)/(39 - 31) | -0.15 |
| 4.5 (11/16/2022) | 7.6 (9/21/2020) | (4.5 - 7.6)/(40 - 31) | -0.344444 |
| 2.9 (2/13/2023) | 7.6 (9/21/2020) | (2.9 - 7.6)/(41 - 31) | -0.47 |
| 4.6 (5/24/2023) | 7.6 (9/21/2020) | (4.6 - 7.6)/(42 - 31) | -0.272727 |
| 5.2 (8/7/2023) | 7.6 (9/21/2020) | (5.2 - 7.6)/(43 - 31) | -0.2 |
| ND<2.5 U (12/12/2023) | 7.6 (9/21/2020) | (2.5 - 7.6)/(44 - 31) | -0.392308 |
| 5.6 (1/10/2024) | 7.6 (9/21/2020) | (5.6 - 7.6)/(45 - 31) | -0.142857 |
| 9.8 (5/20/2024) | 7.6 (9/21/2020) | (9.8 - 7.6)/(46 - 31) | 0.146667 |
| 2.7 (9/16/2024) | 7.6 (9/21/2020) | (2.7 - 7.6)/(47 - 31) | -0.30625 |
| 7.07 (12/11/2024) | 7.6 (9/21/2020) | (7.07 - 7.6)/(48 - 31) | -0.0311765 |
| 4.2 (2/18/2025) | 7.6 (9/21/2020) | (4.2 - 7.6)/(49 - 31) | -0.188889 |
| | | | |
| 17.6 (3/18/2021) | 3.7 (12/17/2020) | (17.6 - 3.7)/(33 - 32) | 13.9 |
| 16.4 (5/5/2021) | 3.7 (12/17/2020) | (16.4 - 3.7)/(34 - 32) | 6.35 |
| 3.5 (9/2/2021) | 3.7 (12/17/2020) | (3.5 - 3.7)/(35 - 32) | -0.0666667 |
| 2.8 (11/23/2021) | 3.7 (12/17/2020) | (2.8 - 3.7)/(36 - 32) | -0.225 |
| 3.7 (1/10/2022) | 3.7 (12/17/2020) | (3.7 - 3.7)/(37 - 32) | 0 |
| 3.4 (4/7/2022) | 3.7 (12/17/2020) | (3.4 - 3.7)/(38 - 32) | -0.05 |
| 6.4 (8/3/2022) | 3.7 (12/17/2020) | (6.4 - 3.7)/(39 - 32) | 0.385714 |
| 4.5 (11/16/2022) | 3.7 (12/17/2020) | (4.5 - 3.7)/(40 - 32) | 0.1 |
| 2.9 (2/13/2023) | 3.7 (12/17/2020) | (2.9 - 3.7)/(41 - 32) | -0.0888889 |
| 4.6 (5/24/2023) | 3.7 (12/17/2020) | (4.6 - 3.7)/(42 - 32) | 0.09 |
| 5.2 (8/7/2023) | 3.7 (12/17/2020) | (5.2 - 3.7)/(43 - 32) | 0.136364 |
| ND<2.5 U (12/12/2023) | 3.7 (12/17/2020) | (2.5 - 3.7)/(44 - 32) | -0.1 |
| 5.6 (1/10/2024) | 3.7 (12/17/2020) | (5.6 - 3.7)/(45 - 32) | 0.146154 |
| 9.8 (5/20/2024) | 3.7 (12/17/2020) | (9.8 - 3.7)/(46 - 32) | 0.435714 |
| 2.7 (9/16/2024) | 3.7 (12/17/2020) | (2.7 - 3.7)/(47 - 32) | -0.0666667 |
| 7.07 (12/11/2024) | 3.7 (12/17/2020) | (7.07 - 3.7)/(48 - 32) | 0.210625 |
| 4.2 (2/18/2025) | 3.7 (12/17/2020) | (4.2 - 3.7)/(49 - 32) | 0.0294118 |
| | | | |
| 16.4 (5/5/2021) | 17.6 (3/18/2021) | (16.4 - 17.6)/(34 - 33) | -1.2 |
| 3.5 (9/2/2021) | 17.6 (3/18/2021) | (3.5 - 17.6)/(35 - 33) | -7.05 |
| 2.8 (11/23/2021) | 17.6 (3/18/2021) | (2.8 - 17.6)/(36 - 33) | -4.93333 |
| 3.7 (1/10/2022) | 17.6 (3/18/2021) | (3.7 - 17.6)/(37 - 33) | -3.475 |
| 3.4 (4/7/2022) | 17.6 (3/18/2021) | (3.4 - 17.6)/(38 - 33) | -2.84 |
| 6.4 (8/3/2022) | 17.6 (3/18/2021) | (6.4 - 17.6)/(39 - 33) | -1.86667 |
| 4.5 (11/16/2022) | 17.6 (3/18/2021) | (4.5 - 17.6)/(40 - 33) | -1.87143 |
| 2.9 (2/13/2023) | 17.6 (3/18/2021) | (2.9 - 17.6)/(41 - 33) | -1.8375 |
| 4.6 (5/24/2023) | 17.6 (3/18/2021) | (4.6 - 17.6)/(42 - 33) | -1.44444 |

| | | | |
|---|---|---|---|
| 5.2 (8/7/2023) | 17.6 (3/18/2021) | (5.2 - 17.6)/(43 - 33) | -1.24 |
| ND<2.5 U (12/12/2023) | 17.6 (3/18/2021) | (2.5 - 17.6)/(44 - 33) | -1.37273 |
| 5.6 (1/10/2024) | 17.6 (3/18/2021) | (5.6 - 17.6)/(45 - 33) | -1 |
| 9.8 (5/20/2024) | 17.6 (3/18/2021) | (9.8 - 17.6)/(46 - 33) | -0.6 |
| 2.7 (9/16/2024) | 17.6 (3/18/2021) | (2.7 - 17.6)/(47 - 33) | -1.06429 |
| 7.07 (12/11/2024) | 17.6 (3/18/2021) | (7.07 - 17.6)/(48 - 33) | -0.702 |
| 4.2 (2/18/2025) | 17.6 (3/18/2021) | (4.2 - 17.6)/(49 - 33) | -0.8375 |
| | | | |
| 3.5 (9/2/2021) | 16.4 (5/5/2021) | (3.5 - 16.4)/(35 - 34) | -12.9 |
| 2.8 (11/23/2021) | 16.4 (5/5/2021) | (2.8 - 16.4)/(36 - 34) | -6.8 |
| 3.7 (1/10/2022) | 16.4 (5/5/2021) | (3.7 - 16.4)/(37 - 34) | -4.23333 |
| 3.4 (4/7/2022) | 16.4 (5/5/2021) | (3.4 - 16.4)/(38 - 34) | -3.25 |
| 6.4 (8/3/2022) | 16.4 (5/5/2021) | (6.4 - 16.4)/(39 - 34) | -2 |
| 4.5 (11/16/2022) | 16.4 (5/5/2021) | (4.5 - 16.4)/(40 - 34) | -1.98333 |
| 2.9 (2/13/2023) | 16.4 (5/5/2021) | (2.9 - 16.4)/(41 - 34) | -1.92857 |
| 4.6 (5/24/2023) | 16.4 (5/5/2021) | (4.6 - 16.4)/(42 - 34) | -1.475 |
| 5.2 (8/7/2023) | 16.4 (5/5/2021) | (5.2 - 16.4)/(43 - 34) | -1.24444 |
| ND<2.5 U (12/12/2023) | 16.4 (5/5/2021) | (2.5 - 16.4)/(44 - 34) | -1.39 |
| 5.6 (1/10/2024) | 16.4 (5/5/2021) | (5.6 - 16.4)/(45 - 34) | -0.981818 |
| 9.8 (5/20/2024) | 16.4 (5/5/2021) | (9.8 - 16.4)/(46 - 34) | -0.55 |
| 2.7 (9/16/2024) | 16.4 (5/5/2021) | (2.7 - 16.4)/(47 - 34) | -1.05385 |
| 7.07 (12/11/2024) | 16.4 (5/5/2021) | (7.07 - 16.4)/(48 - 34) | -0.666429 |
| 4.2 (2/18/2025) | 16.4 (5/5/2021) | (4.2 - 16.4)/(49 - 34) | -0.813333 |
| | | | |
| 2.8 (11/23/2021) | 3.5 (9/2/2021) | (2.8 - 3.5)/(36 - 35) | -0.7 |
| 3.7 (1/10/2022) | 3.5 (9/2/2021) | (3.7 - 3.5)/(37 - 35) | 0.1 |
| 3.4 (4/7/2022) | 3.5 (9/2/2021) | (3.4 - 3.5)/(38 - 35) | -0.0333333 |
| 6.4 (8/3/2022) | 3.5 (9/2/2021) | (6.4 - 3.5)/(39 - 35) | 0.725 |
| 4.5 (11/16/2022) | 3.5 (9/2/2021) | (4.5 - 3.5)/(40 - 35) | 0.2 |
| 2.9 (2/13/2023) | 3.5 (9/2/2021) | (2.9 - 3.5)/(41 - 35) | -0.1 |
| 4.6 (5/24/2023) | 3.5 (9/2/2021) | (4.6 - 3.5)/(42 - 35) | 0.157143 |
| 5.2 (8/7/2023) | 3.5 (9/2/2021) | (5.2 - 3.5)/(43 - 35) | 0.2125 |
| ND<2.5 U (12/12/2023) | 3.5 (9/2/2021) | (2.5 - 3.5)/(44 - 35) | -0.111111 |
| 5.6 (1/10/2024) | 3.5 (9/2/2021) | (5.6 - 3.5)/(45 - 35) | 0.21 |
| 9.8 (5/20/2024) | 3.5 (9/2/2021) | (9.8 - 3.5)/(46 - 35) | 0.572727 |
| 2.7 (9/16/2024) | 3.5 (9/2/2021) | (2.7 - 3.5)/(47 - 35) | -0.0666667 |
| 7.07 (12/11/2024) | 3.5 (9/2/2021) | (7.07 - 3.5)/(48 - 35) | 0.274615 |
| 4.2 (2/18/2025) | 3.5 (9/2/2021) | (4.2 - 3.5)/(49 - 35) | 0.05 |
| | | | |
| 3.7 (1/10/2022) | 2.8 (11/23/2021) | (3.7 - 2.8)/(37 - 36) | 0.9 |
| 3.4 (4/7/2022) | 2.8 (11/23/2021) | (3.4 - 2.8)/(38 - 36) | 0.3 |
| 6.4 (8/3/2022) | 2.8 (11/23/2021) | (6.4 - 2.8)/(39 - 36) | 1.2 |
| 4.5 (11/16/2022) | 2.8 (11/23/2021) | (4.5 - 2.8)/(40 - 36) | 0.425 |
| 2.9 (2/13/2023) | 2.8 (11/23/2021) | (2.9 - 2.8)/(41 - 36) | 0.02 |
| 4.6 (5/24/2023) | 2.8 (11/23/2021) | (4.6 - 2.8)/(42 - 36) | 0.3 |
| 5.2 (8/7/2023) | 2.8 (11/23/2021) | (5.2 - 2.8)/(43 - 36) | 0.342857 |
| ND<2.5 U (12/12/2023) | 2.8 (11/23/2021) | (2.5 - 2.8)/(44 - 36) | -0.0375 |
| 5.6 (1/10/2024) | 2.8 (11/23/2021) | (5.6 - 2.8)/(45 - 36) | 0.311111 |
| 9.8 (5/20/2024) | 2.8 (11/23/2021) | (9.8 - 2.8)/(46 - 36) | 0.7 |
| 2.7 (9/16/2024) | 2.8 (11/23/2021) | (2.7 - 2.8)/(47 - 36) | -0.00909091 |
| 7.07 (12/11/2024) | 2.8 (11/23/2021) | (7.07 - 2.8)/(48 - 36) | 0.355833 |
| 4.2 (2/18/2025) | 2.8 (11/23/2021) | (4.2 - 2.8)/(49 - 36) | 0.107692 |
| | | | |
| 3.4 (4/7/2022) | 3.7 (1/10/2022) | (3.4 - 3.7)/(38 - 37) | -0.3 |
| 6.4 (8/3/2022) | 3.7 (1/10/2022) | (6.4 - 3.7)/(39 - 37) | 1.35 |
| 4.5 (11/16/2022) | 3.7 (1/10/2022) | (4.5 - 3.7)/(40 - 37) | 0.266667 |
| 2.9 (2/13/2023) | 3.7 (1/10/2022) | (2.9 - 3.7)/(41 - 37) | -0.2 |

| | | | |
|---|---|---|---|
| 4.6 (5/24/2023) | 3.7 (1/10/2022) | (4.6 - 3.7)/(42 - 37) | 0.18 |
| 5.2 (8/7/2023) | 3.7 (1/10/2022) | (5.2 - 3.7)/(43 - 37) | 0.25 |
| ND<2.5 U (12/12/2023) | 3.7 (1/10/2022) | (2.5 - 3.7)/(44 - 37) | -0.171429 |
| 5.6 (1/10/2024) | 3.7 (1/10/2022) | (5.6 - 3.7)/(45 - 37) | 0.2375 |
| 9.8 (5/20/2024) | 3.7 (1/10/2022) | (9.8 - 3.7)/(46 - 37) | 0.677778 |
| 2.7 (9/16/2024) | 3.7 (1/10/2022) | (2.7 - 3.7)/(47 - 37) | -0.1 |
| 7.07 (12/11/2024) | 3.7 (1/10/2022) | (7.07 - 3.7)/(48 - 37) | 0.306364 |
| 4.2 (2/18/2025) | 3.7 (1/10/2022) | (4.2 - 3.7)/(49 - 37) | 0.0416667 |
| | | | |
| 6.4 (8/3/2022) | 3.4 (4/7/2022) | (6.4 - 3.4)/(39 - 38) | 3 |
| 4.5 (11/16/2022) | 3.4 (4/7/2022) | (4.5 - 3.4)/(40 - 38) | 0.55 |
| 2.9 (2/13/2023) | 3.4 (4/7/2022) | (2.9 - 3.4)/(41 - 38) | -0.166667 |
| 4.6 (5/24/2023) | 3.4 (4/7/2022) | (4.6 - 3.4)/(42 - 38) | 0.3 |
| 5.2 (8/7/2023) | 3.4 (4/7/2022) | (5.2 - 3.4)/(43 - 38) | 0.36 |
| ND<2.5 U (12/12/2023) | 3.4 (4/7/2022) | (2.5 - 3.4)/(44 - 38) | -0.15 |
| 5.6 (1/10/2024) | 3.4 (4/7/2022) | (5.6 - 3.4)/(45 - 38) | 0.314286 |
| 9.8 (5/20/2024) | 3.4 (4/7/2022) | (9.8 - 3.4)/(46 - 38) | 0.8 |
| 2.7 (9/16/2024) | 3.4 (4/7/2022) | (2.7 - 3.4)/(47 - 38) | -0.0777778 |
| 7.07 (12/11/2024) | 3.4 (4/7/2022) | (7.07 - 3.4)/(48 - 38) | 0.367 |
| 4.2 (2/18/2025) | 3.4 (4/7/2022) | (4.2 - 3.4)/(49 - 38) | 0.0727273 |
| | | | |
| 4.5 (11/16/2022) | 6.4 (8/3/2022) | (4.5 - 6.4)/(40 - 39) | -1.9 |
| 2.9 (2/13/2023) | 6.4 (8/3/2022) | (2.9 - 6.4)/(41 - 39) | -1.75 |
| 4.6 (5/24/2023) | 6.4 (8/3/2022) | (4.6 - 6.4)/(42 - 39) | -0.6 |
| 5.2 (8/7/2023) | 6.4 (8/3/2022) | (5.2 - 6.4)/(43 - 39) | -0.3 |
| ND<2.5 U (12/12/2023) | 6.4 (8/3/2022) | (2.5 - 6.4)/(44 - 39) | -0.78 |
| 5.6 (1/10/2024) | 6.4 (8/3/2022) | (5.6 - 6.4)/(45 - 39) | -0.133333 |
| 9.8 (5/20/2024) | 6.4 (8/3/2022) | (9.8 - 6.4)/(46 - 39) | 0.485714 |
| 2.7 (9/16/2024) | 6.4 (8/3/2022) | (2.7 - 6.4)/(47 - 39) | -0.4625 |
| 7.07 (12/11/2024) | 6.4 (8/3/2022) | (7.07 - 6.4)/(48 - 39) | 0.0744444 |
| 4.2 (2/18/2025) | 6.4 (8/3/2022) | (4.2 - 6.4)/(49 - 39) | -0.22 |
| | | | |
| 2.9 (2/13/2023) | 4.5 (11/16/2022) | (2.9 - 4.5)/(41 - 40) | -1.6 |
| 4.6 (5/24/2023) | 4.5 (11/16/2022) | (4.6 - 4.5)/(42 - 40) | 0.05 |
| 5.2 (8/7/2023) | 4.5 (11/16/2022) | (5.2 - 4.5)/(43 - 40) | 0.233333 |
| ND<2.5 U (12/12/2023) | 4.5 (11/16/2022) | (2.5 - 4.5)/(44 - 40) | -0.5 |
| 5.6 (1/10/2024) | 4.5 (11/16/2022) | (5.6 - 4.5)/(45 - 40) | 0.22 |
| 9.8 (5/20/2024) | 4.5 (11/16/2022) | (9.8 - 4.5)/(46 - 40) | 0.883333 |
| 2.7 (9/16/2024) | 4.5 (11/16/2022) | (2.7 - 4.5)/(47 - 40) | -0.257143 |
| 7.07 (12/11/2024) | 4.5 (11/16/2022) | (7.07 - 4.5)/(48 - 40) | 0.32125 |
| 4.2 (2/18/2025) | 4.5 (11/16/2022) | (4.2 - 4.5)/(49 - 40) | -0.0333333 |
| | | | |
| 4.6 (5/24/2023) | 2.9 (2/13/2023) | (4.6 - 2.9)/(42 - 41) | 1.7 |
| 5.2 (8/7/2023) | 2.9 (2/13/2023) | (5.2 - 2.9)/(43 - 41) | 1.15 |
| ND<2.5 U (12/12/2023) | 2.9 (2/13/2023) | (2.5 - 2.9)/(44 - 41) | -0.133333 |
| 5.6 (1/10/2024) | 2.9 (2/13/2023) | (5.6 - 2.9)/(45 - 41) | 0.675 |
| 9.8 (5/20/2024) | 2.9 (2/13/2023) | (9.8 - 2.9)/(46 - 41) | 1.38 |
| 2.7 (9/16/2024) | 2.9 (2/13/2023) | (2.7 - 2.9)/(47 - 41) | -0.0333333 |
| 7.07 (12/11/2024) | 2.9 (2/13/2023) | (7.07 - 2.9)/(48 - 41) | 0.595714 |
| 4.2 (2/18/2025) | 2.9 (2/13/2023) | (4.2 - 2.9)/(49 - 41) | 0.1625 |
| | | | |
| 5.2 (8/7/2023) | 4.6 (5/24/2023) | (5.2 - 4.6)/(43 - 42) | 0.6 |
| ND<2.5 U (12/12/2023) | 4.6 (5/24/2023) | (2.5 - 4.6)/(44 - 42) | -1.05 |
| 5.6 (1/10/2024) | 4.6 (5/24/2023) | (5.6 - 4.6)/(45 - 42) | 0.333333 |
| 9.8 (5/20/2024) | 4.6 (5/24/2023) | (9.8 - 4.6)/(46 - 42) | 1.3 |
| 2.7 (9/16/2024) | 4.6 (5/24/2023) | (2.7 - 4.6)/(47 - 42) | -0.38 |
| 7.07 (12/11/2024) | 4.6 (5/24/2023) | (7.07 - 4.6)/(48 - 42) | 0.411667 |

| | | | |
|---|---|---|---|
| 4.2 (2/18/2025) | 4.6 (5/24/2023) | (4.2 - 4.6)/(49 - 42) | -0.0571429 |
| | | | |
| ND<2.5 U (12/12/2023) | 5.2 (8/7/2023) | (2.5 - 5.2)/(44 - 43) | -2.7 |
| 5.6 (1/10/2024) | 5.2 (8/7/2023) | (5.6 - 5.2)/(45 - 43) | 0.2 |
| 9.8 (5/20/2024) | 5.2 (8/7/2023) | (9.8 - 5.2)/(46 - 43) | 1.53333 |
| 2.7 (9/16/2024) | 5.2 (8/7/2023) | (2.7 - 5.2)/(47 - 43) | -0.625 |
| 7.07 (12/11/2024) | 5.2 (8/7/2023) | (7.07 - 5.2)/(48 - 43) | 0.374 |
| 4.2 (2/18/2025) | 5.2 (8/7/2023) | (4.2 - 5.2)/(49 - 43) | -0.166667 |
| | | | |
| 5.6 (1/10/2024) | ND<2.5 U (12/12/2023) | (5.6 - 2.5)/(45 - 44) | 3.1 |
| 9.8 (5/20/2024) | ND<2.5 U (12/12/2023) | (9.8 - 2.5)/(46 - 44) | 3.65 |
| 2.7 (9/16/2024) | ND<2.5 U (12/12/2023) | (2.7 - 2.5)/(47 - 44) | 0.0666667 |
| 7.07 (12/11/2024) | ND<2.5 U (12/12/2023) | (7.07 - 2.5)/(48 - 44) | 1.1425 |
| 4.2 (2/18/2025) | ND<2.5 U (12/12/2023) | (4.2 - 2.5)/(49 - 44) | 0.34 |
| | | | |
| 9.8 (5/20/2024) | 5.6 (1/10/2024) | (9.8 - 5.6)/(46 - 45) | 4.2 |
| 2.7 (9/16/2024) | 5.6 (1/10/2024) | (2.7 - 5.6)/(47 - 45) | -1.45 |
| 7.07 (12/11/2024) | 5.6 (1/10/2024) | (7.07 - 5.6)/(48 - 45) | 0.49 |
| 4.2 (2/18/2025) | 5.6 (1/10/2024) | (4.2 - 5.6)/(49 - 45) | -0.35 |
| | | | |
| 2.7 (9/16/2024) | 9.8 (5/20/2024) | (2.7 - 9.8)/(47 - 46) | -7.1 |
| 7.07 (12/11/2024) | 9.8 (5/20/2024) | (7.07 - 9.8)/(48 - 46) | -1.365 |
| 4.2 (2/18/2025) | 9.8 (5/20/2024) | (4.2 - 9.8)/(49 - 46) | -1.86667 |
| | | | |
| 7.07 (12/11/2024) | 2.7 (9/16/2024) | (7.07 - 2.7)/(48 - 47) | 4.37 |
| 4.2 (2/18/2025) | 2.7 (9/16/2024) | (4.2 - 2.7)/(49 - 47) | 0.75 |
| | | | |
| 4.2 (2/18/2025) | 7.07 (12/11/2024) | (4.2 - 7.07)/(49 - 48) | -2.87 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -131.6 |
| 2 | -131.6 |
| 3 | -67.7 |
| 4 | -46.4333 |
| 5 | -39.5 |
| 6 | -31.35 |
| 7 | -25.32 |
| 8 | -23.25 |
| 9 | -21 |
| 10 | -20.0286 |
| 11 | -19.9 |
| 12 | -17.4125 |
| 13 | -15.5111 |
| 14 | -13.66 |
| 15 | -12.9 |
| 16 | -12.7 |
| 17 | -12.5909 |
| 18 | -11.8667 |
| 19 | -11.675 |
| 20 | -10.6462 |
| 21 | -9.84286 |
| 22 | -9.36667 |
| 23 | -9.3 |

| | |
|---|---|
| 24 | -8.6 |
| 25 | -8.5875 |
| 26 | -7.96667 |
| 27 | -7.83529 |
| 28 | -7.79444 |
| 29 | -7.4 |
| 30 | -7.15421 |
| 31 | -7.1 |
| 32 | -7.05 |
| 33 | -6.94 |
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| 751 | 0.01175 |
| 752 | 0.0125 |
| 753 | 0.0136364 |
| 754 | 0.0142857 |
| 755 | 0.015 |
| 756 | 0.0153846 |
| 757 | 0.0153846 |
| 758 | 0.0157895 |
| 759 | 0.0166667 |
| 760 | 0.0166667 |
| 761 | 0.0166667 |
| 762 | 0.0170732 |
| 763 | 0.0171429 |
| 764 | 0.0173913 |

| | |
|---|---|
| 765 | 0.0173913 |
| 766 | 0.0173913 |
| 767 | 0.0186047 |
| 768 | 0.01875 |
| 769 | 0.01875 |
| 770 | 0.0189189 |
| 771 | 0.0190476 |
| 772 | 0.02 |
| 773 | 0.02 |
| 774 | 0.0208333 |
| 775 | 0.0210526 |
| 776 | 0.0210526 |
| 777 | 0.0214286 |
| 778 | 0.0230769 |
| 779 | 0.0265909 |
| 780 | 0.0291667 |
| 781 | 0.0294118 |
| 782 | 0.0309524 |
| 783 | 0.03125 |
| 784 | 0.0312903 |
| 785 | 0.0333333 |
| 786 | 0.0333333 |
| 787 | 0.0342105 |
| 788 | 0.0352941 |
| 789 | 0.0371429 |
| 790 | 0.0375 |
| 791 | 0.0386364 |
| 792 | 0.04 |
| 793 | 0.0416667 |
| 794 | 0.0425 |
| 795 | 0.0434783 |
| 796 | 0.0444444 |
| 797 | 0.0454545 |
| 798 | 0.0459459 |
| 799 | 0.0473684 |
| 800 | 0.05 |
| 801 | 0.05 |
| 802 | 0.0522727 |
| 803 | 0.0533333 |
| 804 | 0.0551724 |
| 805 | 0.05625 |
| 806 | 0.0583333 |
| 807 | 0.0583333 |
| 808 | 0.0619048 |
| 809 | 0.0619048 |
| 810 | 0.062963 |
| 811 | 0.0657895 |
| 812 | 0.0666667 |
| 813 | 0.0666667 |
| 814 | 0.0666667 |
| 815 | 0.0674468 |
| 816 | 0.0692308 |
| 817 | 0.0705714 |
| 818 | 0.0722222 |
| 819 | 0.0727273 |
| 820 | 0.0735294 |
| 821 | 0.0737209 |

| | |
|---|---|
| 822 | 0.0744444 |
| 823 | 0.076 |
| 824 | 0.0769231 |
| 825 | 0.08 |
| 826 | 0.08 |
| 827 | 0.0842105 |
| 828 | 0.0857143 |
| 829 | 0.0875 |
| 830 | 0.0888889 |
| 831 | 0.0888889 |
| 832 | 0.0888889 |
| 833 | 0.09 |
| 834 | 0.0928571 |
| 835 | 0.0959375 |
| 836 | 0.1 |
| 837 | 0.1 |
| 838 | 0.1 |
| 839 | 0.1 |
| 840 | 0.104348 |
| 841 | 0.104545 |
| 842 | 0.106296 |
| 843 | 0.107143 |
| 844 | 0.107692 |
| 845 | 0.111111 |
| 846 | 0.115417 |
| 847 | 0.11875 |
| 848 | 0.12 |
| 849 | 0.122222 |
| 850 | 0.123333 |
| 851 | 0.127586 |
| 852 | 0.131111 |
| 853 | 0.132 |
| 854 | 0.133478 |
| 855 | 0.136364 |
| 856 | 0.1375 |
| 857 | 0.139286 |
| 858 | 0.139286 |
| 859 | 0.14 |
| 860 | 0.142308 |
| 861 | 0.142857 |
| 862 | 0.143902 |
| 863 | 0.146154 |
| 864 | 0.146667 |
| 865 | 0.146667 |
| 866 | 0.147368 |
| 867 | 0.15 |
| 868 | 0.152174 |
| 869 | 0.152632 |
| 870 | 0.152632 |
| 871 | 0.156522 |
| 872 | 0.157143 |
| 873 | 0.157143 |
| 874 | 0.157143 |
| 875 | 0.157576 |
| 876 | 0.1625 |
| 877 | 0.163158 |
| 878 | 0.166667 |

| | |
|---|---|
| 879 | 0.171429 |
| 880 | 0.172 |
| 881 | 0.175 |
| 882 | 0.18 |
| 883 | 0.183333 |
| 884 | 0.184615 |
| 885 | 0.185714 |
| 886 | 0.191667 |
| 887 | 0.193333 |
| 888 | 0.2 |
| 889 | 0.2 |
| 890 | 0.2 |
| 891 | 0.2 |
| 892 | 0.2 |
| 893 | 0.2 |
| 894 | 0.204762 |
| 895 | 0.205263 |
| 896 | 0.206667 |
| 897 | 0.21 |
| 898 | 0.210625 |
| 899 | 0.211538 |
| 900 | 0.211538 |
| 901 | 0.211538 |
| 902 | 0.2125 |
| 903 | 0.218182 |
| 904 | 0.218182 |
| 905 | 0.22 |
| 906 | 0.22 |
| 907 | 0.221053 |
| 908 | 0.221053 |
| 909 | 0.223529 |
| 910 | 0.224 |
| 911 | 0.228571 |
| 912 | 0.233333 |
| 913 | 0.233333 |
| 914 | 0.2375 |
| 915 | 0.23871 |
| 916 | 0.238889 |
| 917 | 0.24 |
| 918 | 0.25 |
| 919 | 0.25 |
| 920 | 0.25 |
| 921 | 0.253846 |
| 922 | 0.258621 |
| 923 | 0.258621 |
| 924 | 0.26 |
| 925 | 0.26 |
| 926 | 0.266667 |
| 927 | 0.266667 |
| 928 | 0.266667 |
| 929 | 0.266667 |
| 930 | 0.26875 |
| 931 | 0.272727 |
| 932 | 0.274615 |
| 933 | 0.27619 |
| 934 | 0.276923 |
| 935 | 0.278125 |

| | |
|---|---|
| 936 | 0.285 |
| 937 | 0.285 |
| 938 | 0.286667 |
| 939 | 0.2875 |
| 940 | 0.294737 |
| 941 | 0.3 |
| 942 | 0.3 |
| 943 | 0.3 |
| 944 | 0.3 |
| 945 | 0.3 |
| 946 | 0.306364 |
| 947 | 0.307143 |
| 948 | 0.311111 |
| 949 | 0.311111 |
| 950 | 0.314286 |
| 951 | 0.32125 |
| 952 | 0.325806 |
| 953 | 0.33 |
| 954 | 0.332 |
| 955 | 0.333333 |
| 956 | 0.333333 |
| 957 | 0.34 |
| 958 | 0.34 |
| 959 | 0.341176 |
| 960 | 0.342857 |
| 961 | 0.342857 |
| 962 | 0.343478 |
| 963 | 0.35 |
| 964 | 0.35 |
| 965 | 0.355833 |
| 966 | 0.358333 |
| 967 | 0.36 |
| 968 | 0.36 |
| 969 | 0.36 |
| 970 | 0.365217 |
| 971 | 0.367 |
| 972 | 0.371429 |
| 973 | 0.374 |
| 974 | 0.375 |
| 975 | 0.375 |
| 976 | 0.376923 |
| 977 | 0.378788 |
| 978 | 0.385714 |
| 979 | 0.385714 |
| 980 | 0.392308 |
| 981 | 0.395833 |
| 982 | 0.4 |
| 983 | 0.4 |
| 984 | 0.4 |
| 985 | 0.403448 |
| 986 | 0.405556 |
| 987 | 0.407692 |
| 988 | 0.407692 |
| 989 | 0.411667 |
| 990 | 0.413636 |
| 991 | 0.42 |
| 992 | 0.425 |

| | |
|---|---|
| 993 | 0.427273 |
| 994 | 0.428125 |
| 995 | 0.431034 |
| 996 | 0.433333 |
| 997 | 0.435714 |
| 998 | 0.44 |
| 999 | 0.44 |
| 1000 | 0.442857 |
| 1001 | 0.446154 |
| 1002 | 0.45 |
| 1003 | 0.457143 |
| 1004 | 0.46 |
| 1005 | 0.471429 |
| 1006 | 0.471429 |
| 1007 | 0.485714 |
| 1008 | 0.489286 |
| 1009 | 0.49 |
| 1010 | 0.490909 |
| 1011 | 0.493333 |
| 1012 | 0.5 |
| 1013 | 0.513333 |
| 1014 | 0.52 |
| 1015 | 0.52 |
| 1016 | 0.522222 |
| 1017 | 0.525 |
| 1018 | 0.527273 |
| 1019 | 0.528571 |
| 1020 | 0.528571 |
| 1021 | 0.547059 |
| 1022 | 0.55 |
| 1023 | 0.561905 |
| 1024 | 0.5625 |
| 1025 | 0.563636 |
| 1026 | 0.566667 |
| 1027 | 0.572727 |
| 1028 | 0.58125 |
| 1029 | 0.595714 |
| 1030 | 0.6 |
| 1031 | 0.6 |
| 1032 | 0.6 |
| 1033 | 0.605882 |
| 1034 | 0.609091 |
| 1035 | 0.61 |
| 1036 | 0.614286 |
| 1037 | 0.623077 |
| 1038 | 0.633333 |
| 1039 | 0.65 |
| 1040 | 0.666667 |
| 1041 | 0.666667 |
| 1042 | 0.666667 |
| 1043 | 0.671429 |
| 1044 | 0.671429 |
| 1045 | 0.672727 |
| 1046 | 0.675 |
| 1047 | 0.677778 |
| 1048 | 0.683333 |
| 1049 | 0.688889 |

| | |
|---|---|
| 1050 | 0.691667 |
| 1051 | 0.694118 |
| 1052 | 0.7 |
| 1053 | 0.7 |
| 1054 | 0.714286 |
| 1055 | 0.71875 |
| 1056 | 0.725 |
| 1057 | 0.736364 |
| 1058 | 0.75 |
| 1059 | 0.753846 |
| 1060 | 0.758824 |
| 1061 | 0.7625 |
| 1062 | 0.766667 |
| 1063 | 0.778571 |
| 1064 | 0.78 |
| 1065 | 0.8 |
| 1066 | 0.8 |
| 1067 | 0.8 |
| 1068 | 0.8 |
| 1069 | 0.8 |
| 1070 | 0.8 |
| 1071 | 0.8 |
| 1072 | 0.8 |
| 1073 | 0.8125 |
| 1074 | 0.866667 |
| 1075 | 0.866667 |
| 1076 | 0.883333 |
| 1077 | 0.9 |
| 1078 | 0.9 |
| 1079 | 0.9 |
| 1080 | 0.9 |
| 1081 | 0.938462 |
| 1082 | 0.94 |
| 1083 | 0.95 |
| 1084 | 0.955556 |
| 1085 | 0.957143 |
| 1086 | 0.966667 |
| 1087 | 0.992308 |
| 1088 | 1 |
| 1089 | 1 |
| 1090 | 1.02 |
| 1091 | 1.025 |
| 1092 | 1.05 |
| 1093 | 1.06 |
| 1094 | 1.11667 |
| 1095 | 1.12222 |
| 1096 | 1.1425 |
| 1097 | 1.15 |
| 1098 | 1.15714 |
| 1099 | 1.15714 |
| 1100 | 1.16667 |
| 1101 | 1.16667 |
| 1102 | 1.18333 |
| 1103 | 1.18333 |
| 1104 | 1.18333 |
| 1105 | 1.18571 |
| 1106 | 1.2 |

| | |
|---|---|
| 1107 | 1.2 |
| 1108 | 1.2 |
| 1109 | 1.2 |
| 1110 | 1.21 |
| 1111 | 1.25 |
| 1112 | 1.25 |
| 1113 | 1.3 |
| 1114 | 1.3 |
| 1115 | 1.3 |
| 1116 | 1.34286 |
| 1117 | 1.35 |
| 1118 | 1.35 |
| 1119 | 1.35 |
| 1120 | 1.36667 |
| 1121 | 1.37778 |
| 1122 | 1.38 |
| 1123 | 1.42 |
| 1124 | 1.45 |
| 1125 | 1.47778 |
| 1126 | 1.48 |
| 1127 | 1.48 |
| 1128 | 1.5 |
| 1129 | 1.5 |
| 1130 | 1.53333 |
| 1131 | 1.53333 |
| 1132 | 1.7 |
| 1133 | 1.7 |
| 1134 | 1.7 |
| 1135 | 1.7 |
| 1136 | 1.72857 |
| 1137 | 1.74 |
| 1138 | 1.81364 |
| 1139 | 1.95 |
| 1140 | 1.99474 |
| 1141 | 2 |
| 1142 | 2.02 |
| 1143 | 2.05 |
| 1144 | 2.05 |
| 1145 | 2.06667 |
| 1146 | 2.06667 |
| 1147 | 2.1 |
| 1148 | 2.21667 |
| 1149 | 2.29231 |
| 1150 | 2.44 |
| 1151 | 2.48 |
| 1152 | 2.55 |
| 1153 | 2.55 |
| 1154 | 2.7 |
| 1155 | 2.7 |
| 1156 | 2.76667 |
| 1157 | 2.89091 |
| 1158 | 2.9 |
| 1159 | 2.93333 |
| 1160 | 2.94167 |
| 1161 | 3 |
| 1162 | 3.1 |
| 1163 | 3.1 |

| | |
|---|---|
| 1164 | 3.5 |
| 1165 | 3.53333 |
| 1166 | 3.55 |
| 1167 | 3.6 |
| 1168 | 3.6 |
| 1169 | 3.65 |
| 1170 | 3.7 |
| 1171 | 3.8125 |
| 1172 | 3.92 |
| 1173 | 4.2 |
| 1174 | 4.2 |
| 1175 | 4.35 |
| 1176 | 4.37 |
| 1177 | 4.82609 |
| 1178 | 4.96786 |
| 1179 | 5 |
| 1180 | 5.01852 |
| 1181 | 5.15385 |
| 1182 | 5.4 |
| 1183 | 5.484 |
| 1184 | 5.62 |
| 1185 | 5.68571 |
| 1186 | 5.79583 |
| 1187 | 5.9 |
| 1188 | 6 |
| 1189 | 6.125 |
| 1190 | 6.28333 |
| 1191 | 6.35 |
| 1192 | 6.4 |
| 1193 | 6.49524 |
| 1194 | 6.745 |
| 1195 | 6.78947 |
| 1196 | 7.4 |
| 1197 | 7.47222 |
| 1198 | 7.625 |
| 1199 | 7.66667 |
| 1200 | 7.70588 |
| 1201 | 8.65 |
| 1202 | 8.73333 |
| 1203 | 9 |
| 1204 | 9.26429 |
| 1205 | 10.6923 |
| 1206 | 10.7 |
| 1207 | 11.4083 |
| 1208 | 11.4727 |
| 1209 | 12 |
| 1210 | 12.97 |
| 1211 | 13.05 |
| 1212 | 13.9 |
| 1213 | 15.0222 |
| 1214 | 16.5333 |
| 1215 | 17.35 |
| 1216 | 18.5429 |
| 1217 | 19.8 |
| 1218 | 27.74 |
| 1219 | 28.1 |
| 1220 | 30.6 |

| | |
|---|---|
| 1221 | 34.75 |
| 1222 | 44.9333 |
| 1223 | 66.8 |
| 1224 | 130.7 |

Sen's Estimator (Median Q) is -0.0747093

| Tied Group | Value | Members |
|---|---|---|
| 1 | 3.9 | 2 |
| 2 | 12 | 2 |
| 3 | 4.6 | 2 |
| 4 | 13.3 | 2 |
| 5 | 4 | 2 |
| 6 | 4.2 | 2 |
| 7 | 11.4 | 2 |
| 8 | 3.7 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |

| | |
|---|---|
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 1 time periods with multiple data

---

A = 144
B = 18
C = 0
D = 0
E = 16
F = 2
a = 257250
b = 1.0584e+06
c = 4900
Group Variance = 14282.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 196.577
M1 = (1224 - 196.577)/2.0 = 513.712
M2 = (1224 + 196.577)/2.0 + 1 = 711.288
Lower limit is -0.145 = Q(514)
Upper limit is -0.0227273 = Q(711)
**-0.0227273 < 0 indicating a  downward trend in data.**

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: GD 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 8.3 (5/8/2013) | 5.8 (3/12/2013) | (8.3 - 5.8)/(2 - 1) | 2.5 |
| 5.8 (9/23/2013) | 5.8 (3/12/2013) | (5.8 - 5.8)/(3 - 1) | 0 |
| 8.6 (12/10/2013) | 5.8 (3/12/2013) | (8.6 - 5.8)/(4 - 1) | 0.933333 |
| 5.5 (2/6/2014) | 5.8 (3/12/2013) | (5.5 - 5.8)/(5 - 1) | -0.075 |
| 7 (6/26/2014) | 5.8 (3/12/2013) | (7 - 5.8)/(6 - 1) | 0.24 |
| 7 (9/30/2014) | 5.8 (3/12/2013) | (7 - 5.8)/(7 - 1) | 0.2 |
| 9.8 (11/19/2014) | 5.8 (3/12/2013) | (9.8 - 5.8)/(8 - 1) | 0.571429 |
| 8.2 (3/23/2015) | 5.8 (3/12/2013) | (8.2 - 5.8)/(9 - 1) | 0.3 |
| 8 (4/22/2015) | 5.8 (3/12/2013) | (8 - 5.8)/(10 - 1) | 0.244444 |
| 12.4 (9/30/2015) | 5.8 (3/12/2013) | (12.4 - 5.8)/(11 - 1) | 0.66 |
| 16 (11/19/2015) | 5.8 (3/12/2013) | (16 - 5.8)/(12 - 1) | 0.927273 |
| 7.9 (3/15/2016) | 5.8 (3/12/2013) | (7.9 - 5.8)/(13 - 1) | 0.175 |
| 11.2 (6/29/2016) | 5.8 (3/12/2013) | (11.2 - 5.8)/(14 - 1) | 0.415385 |
| 10.3 (8/9/2016) | 5.8 (3/12/2013) | (10.3 - 5.8)/(15 - 1) | 0.321429 |
| 7.5 (12/7/2016) | 5.8 (3/12/2013) | (7.5 - 5.8)/(16 - 1) | 0.113333 |
| 9 (3/2/2017) | 5.8 (3/12/2013) | (9 - 5.8)/(17 - 1) | 0.2 |
| 21 (6/21/2017) | 5.8 (3/12/2013) | (21 - 5.8)/(18 - 1) | 0.894118 |
| 13.2 (8/17/2017) | 5.8 (3/12/2013) | (13.2 - 5.8)/(19 - 1) | 0.411111 |
| 12 (10/26/2017) | 5.8 (3/12/2013) | (12 - 5.8)/(20 - 1) | 0.326316 |
| 10.9 (3/27/2018) | 5.8 (3/12/2013) | (10.9 - 5.8)/(21 - 1) | 0.255 |
| 9.6 (6/26/2018) | 5.8 (3/12/2013) | (9.6 - 5.8)/(22 - 1) | 0.180952 |
| 21.9 (8/1/2018) | 5.8 (3/12/2013) | (21.9 - 5.8)/(23 - 1) | 0.731818 |
| 5.8 (12/11/2018) | 5.8 (3/12/2013) | (5.8 - 5.8)/(24 - 1) | 0 |
| 9.6 (4/17/2019) | 5.8 (3/12/2013) | (9.6 - 5.8)/(25 - 1) | 0.158333 |
| 12.4 (6/11/2019) | 5.8 (3/12/2013) | (12.4 - 5.8)/(26 - 1) | 0.264 |
| 6.5 (8/28/2019) | 5.8 (3/12/2013) | (6.5 - 5.8)/(27 - 1) | 0.0269231 |
| 9.9 (10/28/2019) | 5.8 (3/12/2013) | (9.9 - 5.8)/(28 - 1) | 0.151852 |
| 8.4 (3/31/2020) | 5.8 (3/12/2013) | (8.4 - 5.8)/(29 - 1) | 0.0928571 |
| 10.4 (6/10/2020) | 5.8 (3/12/2013) | (10.4 - 5.8)/(30 - 1) | 0.158621 |
| 8.6 (9/21/2020) | 5.8 (3/12/2013) | (8.6 - 5.8)/(31 - 1) | 0.0933333 |
| 7.4 (12/17/2020) | 5.8 (3/12/2013) | (7.4 - 5.8)/(32 - 1) | 0.0516129 |
| 31.6 (3/18/2021) | 5.8 (3/12/2013) | (31.6 - 5.8)/(33 - 1) | 0.80625 |
| 12.3 (5/5/2021) | 5.8 (3/12/2013) | (12.3 - 5.8)/(34 - 1) | 0.19697 |
| 25.4 (9/2/2021) | 5.8 (3/12/2013) | (25.4 - 5.8)/(35 - 1) | 0.576471 |
| 8.5 (11/23/2021) | 5.8 (3/12/2013) | (8.5 - 5.8)/(36 - 1) | 0.0771429 |
| 10.2 (1/10/2022) | 5.8 (3/12/2013) | (10.2 - 5.8)/(37 - 1) | 0.122222 |
| 9.9 (4/7/2022) | 5.8 (3/12/2013) | (9.9 - 5.8)/(38 - 1) | 0.110811 |
| 5.3 (8/3/2022) | 5.8 (3/12/2013) | (5.3 - 5.8)/(39 - 1) | -0.0131579 |
| 7.5 (11/16/2022) | 5.8 (3/12/2013) | (7.5 - 5.8)/(40 - 1) | 0.0435897 |
| 7.1 (2/13/2023) | 5.8 (3/12/2013) | (7.1 - 5.8)/(41 - 1) | 0.0325 |
| | | | |
| 5.8 (9/23/2013) | 8.3 (5/8/2013) | (5.8 - 8.3)/(3 - 2) | -2.5 |
| 8.6 (12/10/2013) | 8.3 (5/8/2013) | (8.6 - 8.3)/(4 - 2) | 0.15 |
| 5.5 (2/6/2014) | 8.3 (5/8/2013) | (5.5 - 8.3)/(5 - 2) | -0.933333 |
| 7 (6/26/2014) | 8.3 (5/8/2013) | (7 - 8.3)/(6 - 2) | -0.325 |
| 7 (9/30/2014) | 8.3 (5/8/2013) | (7 - 8.3)/(7 - 2) | -0.26 |
| 9.8 (11/19/2014) | 8.3 (5/8/2013) | (9.8 - 8.3)/(8 - 2) | 0.25 |
| 8.2 (3/23/2015) | 8.3 (5/8/2013) | (8.2 - 8.3)/(9 - 2) | -0.0142857 |

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| 8 (4/22/2015) | 8.3 (5/8/2013) | (8 - 8.3)/(10 - 2) | -0.0375 |
| 12.4 (9/30/2015) | 8.3 (5/8/2013) | (12.4 - 8.3)/(11 - 2) | 0.455556 |
| 16 (11/19/2015) | 8.3 (5/8/2013) | (16 - 8.3)/(12 - 2) | 0.77 |
| 7.9 (3/15/2016) | 8.3 (5/8/2013) | (7.9 - 8.3)/(13 - 2) | -0.0363636 |
| 11.2 (6/29/2016) | 8.3 (5/8/2013) | (11.2 - 8.3)/(14 - 2) | 0.241667 |
| 10.3 (8/9/2016) | 8.3 (5/8/2013) | (10.3 - 8.3)/(15 - 2) | 0.153846 |
| 7.5 (12/7/2016) | 8.3 (5/8/2013) | (7.5 - 8.3)/(16 - 2) | -0.0571429 |
| 9 (3/2/2017) | 8.3 (5/8/2013) | (9 - 8.3)/(17 - 2) | 0.0466667 |
| 21 (6/21/2017) | 8.3 (5/8/2013) | (21 - 8.3)/(18 - 2) | 0.79375 |
| 13.2 (8/17/2017) | 8.3 (5/8/2013) | (13.2 - 8.3)/(19 - 2) | 0.288235 |
| 12 (10/26/2017) | 8.3 (5/8/2013) | (12 - 8.3)/(20 - 2) | 0.205556 |
| 10.9 (3/27/2018) | 8.3 (5/8/2013) | (10.9 - 8.3)/(21 - 2) | 0.136842 |
| 9.6 (6/26/2018) | 8.3 (5/8/2013) | (9.6 - 8.3)/(22 - 2) | 0.065 |
| 21.9 (8/1/2018) | 8.3 (5/8/2013) | (21.9 - 8.3)/(23 - 2) | 0.647619 |
| 5.8 (12/11/2018) | 8.3 (5/8/2013) | (5.8 - 8.3)/(24 - 2) | -0.113636 |
| 9.6 (4/17/2019) | 8.3 (5/8/2013) | (9.6 - 8.3)/(25 - 2) | 0.0565217 |
| 12.4 (6/11/2019) | 8.3 (5/8/2013) | (12.4 - 8.3)/(26 - 2) | 0.170833 |
| 6.5 (8/28/2019) | 8.3 (5/8/2013) | (6.5 - 8.3)/(27 - 2) | -0.072 |
| 9.9 (10/28/2019) | 8.3 (5/8/2013) | (9.9 - 8.3)/(28 - 2) | 0.0615385 |
| 8.4 (3/31/2020) | 8.3 (5/8/2013) | (8.4 - 8.3)/(29 - 2) | 0.0037037 |
| 10.4 (6/10/2020) | 8.3 (5/8/2013) | (10.4 - 8.3)/(30 - 2) | 0.075 |
| 8.6 (9/21/2020) | 8.3 (5/8/2013) | (8.6 - 8.3)/(31 - 2) | 0.0103448 |
| 7.4 (12/17/2020) | 8.3 (5/8/2013) | (7.4 - 8.3)/(32 - 2) | -0.03 |
| 31.6 (3/18/2021) | 8.3 (5/8/2013) | (31.6 - 8.3)/(33 - 2) | 0.751613 |
| 12.3 (5/5/2021) | 8.3 (5/8/2013) | (12.3 - 8.3)/(34 - 2) | 0.125 |
| 25.4 (9/2/2021) | 8.3 (5/8/2013) | (25.4 - 8.3)/(35 - 2) | 0.518182 |
| 8.5 (11/23/2021) | 8.3 (5/8/2013) | (8.5 - 8.3)/(36 - 2) | 0.00588235 |
| 10.2 (1/10/2022) | 8.3 (5/8/2013) | (10.2 - 8.3)/(37 - 2) | 0.0542857 |
| 9.9 (4/7/2022) | 8.3 (5/8/2013) | (9.9 - 8.3)/(38 - 2) | 0.0444444 |
| 5.3 (8/3/2022) | 8.3 (5/8/2013) | (5.3 - 8.3)/(39 - 2) | -0.0810811 |
| 7.5 (11/16/2022) | 8.3 (5/8/2013) | (7.5 - 8.3)/(40 - 2) | -0.0210526 |
| 7.1 (2/13/2023) | 8.3 (5/8/2013) | (7.1 - 8.3)/(41 - 2) | -0.0307692 |
| | | | |
| 8.6 (12/10/2013) | 5.8 (9/23/2013) | (8.6 - 5.8)/(4 - 3) | 2.8 |
| 5.5 (2/6/2014) | 5.8 (9/23/2013) | (5.5 - 5.8)/(5 - 3) | -0.15 |
| 7 (6/26/2014) | 5.8 (9/23/2013) | (7 - 5.8)/(6 - 3) | 0.4 |
| 7 (9/30/2014) | 5.8 (9/23/2013) | (7 - 5.8)/(7 - 3) | 0.3 |
| 9.8 (11/19/2014) | 5.8 (9/23/2013) | (9.8 - 5.8)/(8 - 3) | 0.8 |
| 8.2 (3/23/2015) | 5.8 (9/23/2013) | (8.2 - 5.8)/(9 - 3) | 0.4 |
| 8 (4/22/2015) | 5.8 (9/23/2013) | (8 - 5.8)/(10 - 3) | 0.314286 |
| 12.4 (9/30/2015) | 5.8 (9/23/2013) | (12.4 - 5.8)/(11 - 3) | 0.825 |
| 16 (11/19/2015) | 5.8 (9/23/2013) | (16 - 5.8)/(12 - 3) | 1.13333 |
| 7.9 (3/15/2016) | 5.8 (9/23/2013) | (7.9 - 5.8)/(13 - 3) | 0.21 |
| 11.2 (6/29/2016) | 5.8 (9/23/2013) | (11.2 - 5.8)/(14 - 3) | 0.490909 |
| 10.3 (8/9/2016) | 5.8 (9/23/2013) | (10.3 - 5.8)/(15 - 3) | 0.375 |
| 7.5 (12/7/2016) | 5.8 (9/23/2013) | (7.5 - 5.8)/(16 - 3) | 0.130769 |
| 9 (3/2/2017) | 5.8 (9/23/2013) | (9 - 5.8)/(17 - 3) | 0.228571 |
| 21 (6/21/2017) | 5.8 (9/23/2013) | (21 - 5.8)/(18 - 3) | 1.01333 |
| 13.2 (8/17/2017) | 5.8 (9/23/2013) | (13.2 - 5.8)/(19 - 3) | 0.4625 |
| 12 (10/26/2017) | 5.8 (9/23/2013) | (12 - 5.8)/(20 - 3) | 0.364706 |
| 10.9 (3/27/2018) | 5.8 (9/23/2013) | (10.9 - 5.8)/(21 - 3) | 0.283333 |
| 9.6 (6/26/2018) | 5.8 (9/23/2013) | (9.6 - 5.8)/(22 - 3) | 0.2 |
| 21.9 (8/1/2018) | 5.8 (9/23/2013) | (21.9 - 5.8)/(23 - 3) | 0.805 |
| 5.8 (12/11/2018) | 5.8 (9/23/2013) | (5.8 - 5.8)/(24 - 3) | 0 |
| 9.6 (4/17/2019) | 5.8 (9/23/2013) | (9.6 - 5.8)/(25 - 3) | 0.172727 |
| 12.4 (6/11/2019) | 5.8 (9/23/2013) | (12.4 - 5.8)/(26 - 3) | 0.286957 |
| 6.5 (8/28/2019) | 5.8 (9/23/2013) | (6.5 - 5.8)/(27 - 3) | 0.0291667 |

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| 9.9 (10/28/2019) | 5.8 (9/23/2013) | (9.9 - 5.8)/(28 - 3) | 0.164 |
| 8.4 (3/31/2020) | 5.8 (9/23/2013) | (8.4 - 5.8)/(29 - 3) | 0.1 |
| 10.4 (6/10/2020) | 5.8 (9/23/2013) | (10.4 - 5.8)/(30 - 3) | 0.17037 |
| 8.6 (9/21/2020) | 5.8 (9/23/2013) | (8.6 - 5.8)/(31 - 3) | 0.1 |
| 7.4 (12/17/2020) | 5.8 (9/23/2013) | (7.4 - 5.8)/(32 - 3) | 0.0551724 |
| 31.6 (3/18/2021) | 5.8 (9/23/2013) | (31.6 - 5.8)/(33 - 3) | 0.86 |
| 12.3 (5/5/2021) | 5.8 (9/23/2013) | (12.3 - 5.8)/(34 - 3) | 0.209677 |
| 25.4 (9/2/2021) | 5.8 (9/23/2013) | (25.4 - 5.8)/(35 - 3) | 0.6125 |
| 8.5 (11/23/2021) | 5.8 (9/23/2013) | (8.5 - 5.8)/(36 - 3) | 0.0818182 |
| 10.2 (1/10/2022) | 5.8 (9/23/2013) | (10.2 - 5.8)/(37 - 3) | 0.129412 |
| 9.9 (4/7/2022) | 5.8 (9/23/2013) | (9.9 - 5.8)/(38 - 3) | 0.117143 |
| 5.3 (8/3/2022) | 5.8 (9/23/2013) | (5.3 - 5.8)/(39 - 3) | -0.0138889 |
| 7.5 (11/16/2022) | 5.8 (9/23/2013) | (7.5 - 5.8)/(40 - 3) | 0.0459459 |
| 7.1 (2/13/2023) | 5.8 (9/23/2013) | (7.1 - 5.8)/(41 - 3) | 0.0342105 |
| | | | |
| 5.5 (2/6/2014) | 8.6 (12/10/2013) | (5.5 - 8.6)/(5 - 4) | -3.1 |
| 7 (6/26/2014) | 8.6 (12/10/2013) | (7 - 8.6)/(6 - 4) | -0.8 |
| 7 (9/30/2014) | 8.6 (12/10/2013) | (7 - 8.6)/(7 - 4) | -0.533333 |
| 9.8 (11/19/2014) | 8.6 (12/10/2013) | (9.8 - 8.6)/(8 - 4) | 0.3 |
| 8.2 (3/23/2015) | 8.6 (12/10/2013) | (8.2 - 8.6)/(9 - 4) | -0.08 |
| 8 (4/22/2015) | 8.6 (12/10/2013) | (8 - 8.6)/(10 - 4) | -0.1 |
| 12.4 (9/30/2015) | 8.6 (12/10/2013) | (12.4 - 8.6)/(11 - 4) | 0.542857 |
| 16 (11/19/2015) | 8.6 (12/10/2013) | (16 - 8.6)/(12 - 4) | 0.925 |
| 7.9 (3/15/2016) | 8.6 (12/10/2013) | (7.9 - 8.6)/(13 - 4) | -0.0777778 |
| 11.2 (6/29/2016) | 8.6 (12/10/2013) | (11.2 - 8.6)/(14 - 4) | 0.26 |
| 10.3 (8/9/2016) | 8.6 (12/10/2013) | (10.3 - 8.6)/(15 - 4) | 0.154545 |
| 7.5 (12/7/2016) | 8.6 (12/10/2013) | (7.5 - 8.6)/(16 - 4) | -0.0916667 |
| 9 (3/2/2017) | 8.6 (12/10/2013) | (9 - 8.6)/(17 - 4) | 0.0307692 |
| 21 (6/21/2017) | 8.6 (12/10/2013) | (21 - 8.6)/(18 - 4) | 0.885714 |
| 13.2 (8/17/2017) | 8.6 (12/10/2013) | (13.2 - 8.6)/(19 - 4) | 0.306667 |
| 12 (10/26/2017) | 8.6 (12/10/2013) | (12 - 8.6)/(20 - 4) | 0.2125 |
| 10.9 (3/27/2018) | 8.6 (12/10/2013) | (10.9 - 8.6)/(21 - 4) | 0.135294 |
| 9.6 (6/26/2018) | 8.6 (12/10/2013) | (9.6 - 8.6)/(22 - 4) | 0.0555556 |
| 21.9 (8/1/2018) | 8.6 (12/10/2013) | (21.9 - 8.6)/(23 - 4) | 0.7 |
| 5.8 (12/11/2018) | 8.6 (12/10/2013) | (5.8 - 8.6)/(24 - 4) | -0.14 |
| 9.6 (4/17/2019) | 8.6 (12/10/2013) | (9.6 - 8.6)/(25 - 4) | 0.047619 |
| 12.4 (6/11/2019) | 8.6 (12/10/2013) | (12.4 - 8.6)/(26 - 4) | 0.172727 |
| 6.5 (8/28/2019) | 8.6 (12/10/2013) | (6.5 - 8.6)/(27 - 4) | -0.0913043 |
| 9.9 (10/28/2019) | 8.6 (12/10/2013) | (9.9 - 8.6)/(28 - 4) | 0.0541667 |
| 8.4 (3/31/2020) | 8.6 (12/10/2013) | (8.4 - 8.6)/(29 - 4) | -0.008 |
| 10.4 (6/10/2020) | 8.6 (12/10/2013) | (10.4 - 8.6)/(30 - 4) | 0.0692308 |
| 8.6 (9/21/2020) | 8.6 (12/10/2013) | (8.6 - 8.6)/(31 - 4) | 0 |
| 7.4 (12/17/2020) | 8.6 (12/10/2013) | (7.4 - 8.6)/(32 - 4) | -0.0428571 |
| 31.6 (3/18/2021) | 8.6 (12/10/2013) | (31.6 - 8.6)/(33 - 4) | 0.793103 |
| 12.3 (5/5/2021) | 8.6 (12/10/2013) | (12.3 - 8.6)/(34 - 4) | 0.123333 |
| 25.4 (9/2/2021) | 8.6 (12/10/2013) | (25.4 - 8.6)/(35 - 4) | 0.541935 |
| 8.5 (11/23/2021) | 8.6 (12/10/2013) | (8.5 - 8.6)/(36 - 4) | -0.003125 |
| 10.2 (1/10/2022) | 8.6 (12/10/2013) | (10.2 - 8.6)/(37 - 4) | 0.0484848 |
| 9.9 (4/7/2022) | 8.6 (12/10/2013) | (9.9 - 8.6)/(38 - 4) | 0.0382353 |
| 5.3 (8/3/2022) | 8.6 (12/10/2013) | (5.3 - 8.6)/(39 - 4) | -0.0942857 |
| 7.5 (11/16/2022) | 8.6 (12/10/2013) | (7.5 - 8.6)/(40 - 4) | -0.0305556 |
| 7.1 (2/13/2023) | 8.6 (12/10/2013) | (7.1 - 8.6)/(41 - 4) | -0.0405405 |
| | | | |
| 7 (6/26/2014) | 5.5 (2/6/2014) | (7 - 5.5)/(6 - 5) | 1.5 |
| 7 (9/30/2014) | 5.5 (2/6/2014) | (7 - 5.5)/(7 - 5) | 0.75 |
| 9.8 (11/19/2014) | 5.5 (2/6/2014) | (9.8 - 5.5)/(8 - 5) | 1.43333 |
| 8.2 (3/23/2015) | 5.5 (2/6/2014) | (8.2 - 5.5)/(9 - 5) | 0.675 |

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| 8 (4/22/2015) | 5.5 (2/6/2014) | (8 - 5.5)/(10 - 5) | 0.5 |
| 12.4 (9/30/2015) | 5.5 (2/6/2014) | (12.4 - 5.5)/(11 - 5) | 1.15 |
| 16 (11/19/2015) | 5.5 (2/6/2014) | (16 - 5.5)/(12 - 5) | 1.5 |
| 7.9 (3/15/2016) | 5.5 (2/6/2014) | (7.9 - 5.5)/(13 - 5) | 0.3 |
| 11.2 (6/29/2016) | 5.5 (2/6/2014) | (11.2 - 5.5)/(14 - 5) | 0.633333 |
| 10.3 (8/9/2016) | 5.5 (2/6/2014) | (10.3 - 5.5)/(15 - 5) | 0.48 |
| 7.5 (12/7/2016) | 5.5 (2/6/2014) | (7.5 - 5.5)/(16 - 5) | 0.181818 |
| 9 (3/2/2017) | 5.5 (2/6/2014) | (9 - 5.5)/(17 - 5) | 0.291667 |
| 21 (6/21/2017) | 5.5 (2/6/2014) | (21 - 5.5)/(18 - 5) | 1.19231 |
| 13.2 (8/17/2017) | 5.5 (2/6/2014) | (13.2 - 5.5)/(19 - 5) | 0.55 |
| 12 (10/26/2017) | 5.5 (2/6/2014) | (12 - 5.5)/(20 - 5) | 0.433333 |
| 10.9 (3/27/2018) | 5.5 (2/6/2014) | (10.9 - 5.5)/(21 - 5) | 0.3375 |
| 9.6 (6/26/2018) | 5.5 (2/6/2014) | (9.6 - 5.5)/(22 - 5) | 0.241176 |
| 21.9 (8/1/2018) | 5.5 (2/6/2014) | (21.9 - 5.5)/(23 - 5) | 0.911111 |
| 5.8 (12/11/2018) | 5.5 (2/6/2014) | (5.8 - 5.5)/(24 - 5) | 0.0157895 |
| 9.6 (4/17/2019) | 5.5 (2/6/2014) | (9.6 - 5.5)/(25 - 5) | 0.205 |
| 12.4 (6/11/2019) | 5.5 (2/6/2014) | (12.4 - 5.5)/(26 - 5) | 0.328571 |
| 6.5 (8/28/2019) | 5.5 (2/6/2014) | (6.5 - 5.5)/(27 - 5) | 0.0454545 |
| 9.9 (10/28/2019) | 5.5 (2/6/2014) | (9.9 - 5.5)/(28 - 5) | 0.191304 |
| 8.4 (3/31/2020) | 5.5 (2/6/2014) | (8.4 - 5.5)/(29 - 5) | 0.120833 |
| 10.4 (6/10/2020) | 5.5 (2/6/2014) | (10.4 - 5.5)/(30 - 5) | 0.196 |
| 8.6 (9/21/2020) | 5.5 (2/6/2014) | (8.6 - 5.5)/(31 - 5) | 0.119231 |
| 7.4 (12/17/2020) | 5.5 (2/6/2014) | (7.4 - 5.5)/(32 - 5) | 0.0703704 |
| 31.6 (3/18/2021) | 5.5 (2/6/2014) | (31.6 - 5.5)/(33 - 5) | 0.932143 |
| 12.3 (5/5/2021) | 5.5 (2/6/2014) | (12.3 - 5.5)/(34 - 5) | 0.234483 |
| 25.4 (9/2/2021) | 5.5 (2/6/2014) | (25.4 - 5.5)/(35 - 5) | 0.663333 |
| 8.5 (11/23/2021) | 5.5 (2/6/2014) | (8.5 - 5.5)/(36 - 5) | 0.0967742 |
| 10.2 (1/10/2022) | 5.5 (2/6/2014) | (10.2 - 5.5)/(37 - 5) | 0.146875 |
| 9.9 (4/7/2022) | 5.5 (2/6/2014) | (9.9 - 5.5)/(38 - 5) | 0.133333 |
| 5.3 (8/3/2022) | 5.5 (2/6/2014) | (5.3 - 5.5)/(39 - 5) | -0.00588235 |
| 7.5 (11/16/2022) | 5.5 (2/6/2014) | (7.5 - 5.5)/(40 - 5) | 0.0571429 |
| 7.1 (2/13/2023) | 5.5 (2/6/2014) | (7.1 - 5.5)/(41 - 5) | 0.0444444 |

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|---|---|---|---|
| 7 (9/30/2014) | 7 (6/26/2014) | (7 - 7)/(7 - 6) | 0 |
| 9.8 (11/19/2014) | 7 (6/26/2014) | (9.8 - 7)/(8 - 6) | 1.4 |
| 8.2 (3/23/2015) | 7 (6/26/2014) | (8.2 - 7)/(9 - 6) | 0.4 |
| 8 (4/22/2015) | 7 (6/26/2014) | (8 - 7)/(10 - 6) | 0.25 |
| 12.4 (9/30/2015) | 7 (6/26/2014) | (12.4 - 7)/(11 - 6) | 1.08 |
| 16 (11/19/2015) | 7 (6/26/2014) | (16 - 7)/(12 - 6) | 1.5 |
| 7.9 (3/15/2016) | 7 (6/26/2014) | (7.9 - 7)/(13 - 6) | 0.128571 |
| 11.2 (6/29/2016) | 7 (6/26/2014) | (11.2 - 7)/(14 - 6) | 0.525 |
| 10.3 (8/9/2016) | 7 (6/26/2014) | (10.3 - 7)/(15 - 6) | 0.366667 |
| 7.5 (12/7/2016) | 7 (6/26/2014) | (7.5 - 7)/(16 - 6) | 0.05 |
| 9 (3/2/2017) | 7 (6/26/2014) | (9 - 7)/(17 - 6) | 0.181818 |
| 21 (6/21/2017) | 7 (6/26/2014) | (21 - 7)/(18 - 6) | 1.16667 |
| 13.2 (8/17/2017) | 7 (6/26/2014) | (13.2 - 7)/(19 - 6) | 0.476923 |
| 12 (10/26/2017) | 7 (6/26/2014) | (12 - 7)/(20 - 6) | 0.357143 |
| 10.9 (3/27/2018) | 7 (6/26/2014) | (10.9 - 7)/(21 - 6) | 0.26 |
| 9.6 (6/26/2018) | 7 (6/26/2014) | (9.6 - 7)/(22 - 6) | 0.1625 |
| 21.9 (8/1/2018) | 7 (6/26/2014) | (21.9 - 7)/(23 - 6) | 0.876471 |
| 5.8 (12/11/2018) | 7 (6/26/2014) | (5.8 - 7)/(24 - 6) | -0.0666667 |
| 9.6 (4/17/2019) | 7 (6/26/2014) | (9.6 - 7)/(25 - 6) | 0.136842 |
| 12.4 (6/11/2019) | 7 (6/26/2014) | (12.4 - 7)/(26 - 6) | 0.27 |
| 6.5 (8/28/2019) | 7 (6/26/2014) | (6.5 - 7)/(27 - 6) | -0.0238095 |
| 9.9 (10/28/2019) | 7 (6/26/2014) | (9.9 - 7)/(28 - 6) | 0.131818 |
| 8.4 (3/31/2020) | 7 (6/26/2014) | (8.4 - 7)/(29 - 6) | 0.0608696 |
| 10.4 (6/10/2020) | 7 (6/26/2014) | (10.4 - 7)/(30 - 6) | 0.141667 |

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| 8.6 (9/21/2020) | 7 (6/26/2014) | (8.6 - 7)/(31 - 6) | 0.064 |
| 7.4 (12/17/2020) | 7 (6/26/2014) | (7.4 - 7)/(32 - 6) | 0.0153846 |
| 31.6 (3/18/2021) | 7 (6/26/2014) | (31.6 - 7)/(33 - 6) | 0.911111 |
| 12.3 (5/5/2021) | 7 (6/26/2014) | (12.3 - 7)/(34 - 6) | 0.189286 |
| 25.4 (9/2/2021) | 7 (6/26/2014) | (25.4 - 7)/(35 - 6) | 0.634483 |
| 8.5 (11/23/2021) | 7 (6/26/2014) | (8.5 - 7)/(36 - 6) | 0.05 |
| 10.2 (1/10/2022) | 7 (6/26/2014) | (10.2 - 7)/(37 - 6) | 0.103226 |
| 9.9 (4/7/2022) | 7 (6/26/2014) | (9.9 - 7)/(38 - 6) | 0.090625 |
| 5.3 (8/3/2022) | 7 (6/26/2014) | (5.3 - 7)/(39 - 6) | -0.0515152 |
| 7.5 (11/16/2022) | 7 (6/26/2014) | (7.5 - 7)/(40 - 6) | 0.0147059 |
| 7.1 (2/13/2023) | 7 (6/26/2014) | (7.1 - 7)/(41 - 6) | 0.00285714 |
| | | | |
| 9.8 (11/19/2014) | 7 (9/30/2014) | (9.8 - 7)/(8 - 7) | 2.8 |
| 8.2 (3/23/2015) | 7 (9/30/2014) | (8.2 - 7)/(9 - 7) | 0.6 |
| 8 (4/22/2015) | 7 (9/30/2014) | (8 - 7)/(10 - 7) | 0.333333 |
| 12.4 (9/30/2015) | 7 (9/30/2014) | (12.4 - 7)/(11 - 7) | 1.35 |
| 16 (11/19/2015) | 7 (9/30/2014) | (16 - 7)/(12 - 7) | 1.8 |
| 7.9 (3/15/2016) | 7 (9/30/2014) | (7.9 - 7)/(13 - 7) | 0.15 |
| 11.2 (6/29/2016) | 7 (9/30/2014) | (11.2 - 7)/(14 - 7) | 0.6 |
| 10.3 (8/9/2016) | 7 (9/30/2014) | (10.3 - 7)/(15 - 7) | 0.4125 |
| 7.5 (12/7/2016) | 7 (9/30/2014) | (7.5 - 7)/(16 - 7) | 0.0555556 |
| 9 (3/2/2017) | 7 (9/30/2014) | (9 - 7)/(17 - 7) | 0.2 |
| 21 (6/21/2017) | 7 (9/30/2014) | (21 - 7)/(18 - 7) | 1.27273 |
| 13.2 (8/17/2017) | 7 (9/30/2014) | (13.2 - 7)/(19 - 7) | 0.516667 |
| 12 (10/26/2017) | 7 (9/30/2014) | (12 - 7)/(20 - 7) | 0.384615 |
| 10.9 (3/27/2018) | 7 (9/30/2014) | (10.9 - 7)/(21 - 7) | 0.278571 |
| 9.6 (6/26/2018) | 7 (9/30/2014) | (9.6 - 7)/(22 - 7) | 0.173333 |
| 21.9 (8/1/2018) | 7 (9/30/2014) | (21.9 - 7)/(23 - 7) | 0.93125 |
| 5.8 (12/11/2018) | 7 (9/30/2014) | (5.8 - 7)/(24 - 7) | -0.0705882 |
| 9.6 (4/17/2019) | 7 (9/30/2014) | (9.6 - 7)/(25 - 7) | 0.144444 |
| 12.4 (6/11/2019) | 7 (9/30/2014) | (12.4 - 7)/(26 - 7) | 0.284211 |
| 6.5 (8/28/2019) | 7 (9/30/2014) | (6.5 - 7)/(27 - 7) | -0.025 |
| 9.9 (10/28/2019) | 7 (9/30/2014) | (9.9 - 7)/(28 - 7) | 0.138095 |
| 8.4 (3/31/2020) | 7 (9/30/2014) | (8.4 - 7)/(29 - 7) | 0.0636364 |
| 10.4 (6/10/2020) | 7 (9/30/2014) | (10.4 - 7)/(30 - 7) | 0.147826 |
| 8.6 (9/21/2020) | 7 (9/30/2014) | (8.6 - 7)/(31 - 7) | 0.0666667 |
| 7.4 (12/17/2020) | 7 (9/30/2014) | (7.4 - 7)/(32 - 7) | 0.016 |
| 31.6 (3/18/2021) | 7 (9/30/2014) | (31.6 - 7)/(33 - 7) | 0.946154 |
| 12.3 (5/5/2021) | 7 (9/30/2014) | (12.3 - 7)/(34 - 7) | 0.196296 |
| 25.4 (9/2/2021) | 7 (9/30/2014) | (25.4 - 7)/(35 - 7) | 0.657143 |
| 8.5 (11/23/2021) | 7 (9/30/2014) | (8.5 - 7)/(36 - 7) | 0.0517241 |
| 10.2 (1/10/2022) | 7 (9/30/2014) | (10.2 - 7)/(37 - 7) | 0.106667 |
| 9.9 (4/7/2022) | 7 (9/30/2014) | (9.9 - 7)/(38 - 7) | 0.0935484 |
| 5.3 (8/3/2022) | 7 (9/30/2014) | (5.3 - 7)/(39 - 7) | -0.053125 |
| 7.5 (11/16/2022) | 7 (9/30/2014) | (7.5 - 7)/(40 - 7) | 0.0151515 |
| 7.1 (2/13/2023) | 7 (9/30/2014) | (7.1 - 7)/(41 - 7) | 0.00294118 |
| | | | |
| 8.2 (3/23/2015) | 9.8 (11/19/2014) | (8.2 - 9.8)/(9 - 8) | -1.6 |
| 8 (4/22/2015) | 9.8 (11/19/2014) | (8 - 9.8)/(10 - 8) | -0.9 |
| 12.4 (9/30/2015) | 9.8 (11/19/2014) | (12.4 - 9.8)/(11 - 8) | 0.866667 |
| 16 (11/19/2015) | 9.8 (11/19/2014) | (16 - 9.8)/(12 - 8) | 1.55 |
| 7.9 (3/15/2016) | 9.8 (11/19/2014) | (7.9 - 9.8)/(13 - 8) | -0.38 |
| 11.2 (6/29/2016) | 9.8 (11/19/2014) | (11.2 - 9.8)/(14 - 8) | 0.233333 |
| 10.3 (8/9/2016) | 9.8 (11/19/2014) | (10.3 - 9.8)/(15 - 8) | 0.0714286 |
| 7.5 (12/7/2016) | 9.8 (11/19/2014) | (7.5 - 9.8)/(16 - 8) | -0.2875 |
| 9 (3/2/2017) | 9.8 (11/19/2014) | (9 - 9.8)/(17 - 8) | -0.0888889 |
| 21 (6/21/2017) | 9.8 (11/19/2014) | (21 - 9.8)/(18 - 8) | 1.12 |

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|---|---|---|---|
| 13.2 (8/17/2017) | 9.8 (11/19/2014) | (13.2 - 9.8)/(19 - 8) | 0.309091 |
| 12 (10/26/2017) | 9.8 (11/19/2014) | (12 - 9.8)/(20 - 8) | 0.183333 |
| 10.9 (3/27/2018) | 9.8 (11/19/2014) | (10.9 - 9.8)/(21 - 8) | 0.0846154 |
| 9.6 (6/26/2018) | 9.8 (11/19/2014) | (9.6 - 9.8)/(22 - 8) | -0.0142857 |
| 21.9 (8/1/2018) | 9.8 (11/19/2014) | (21.9 - 9.8)/(23 - 8) | 0.806667 |
| 5.8 (12/11/2018) | 9.8 (11/19/2014) | (5.8 - 9.8)/(24 - 8) | -0.25 |
| 9.6 (4/17/2019) | 9.8 (11/19/2014) | (9.6 - 9.8)/(25 - 8) | -0.0117647 |
| 12.4 (6/11/2019) | 9.8 (11/19/2014) | (12.4 - 9.8)/(26 - 8) | 0.144444 |
| 6.5 (8/28/2019) | 9.8 (11/19/2014) | (6.5 - 9.8)/(27 - 8) | -0.173684 |
| 9.9 (10/28/2019) | 9.8 (11/19/2014) | (9.9 - 9.8)/(28 - 8) | 0.005 |
| 8.4 (3/31/2020) | 9.8 (11/19/2014) | (8.4 - 9.8)/(29 - 8) | -0.0666667 |
| 10.4 (6/10/2020) | 9.8 (11/19/2014) | (10.4 - 9.8)/(30 - 8) | 0.0272727 |
| 8.6 (9/21/2020) | 9.8 (11/19/2014) | (8.6 - 9.8)/(31 - 8) | -0.0521739 |
| 7.4 (12/17/2020) | 9.8 (11/19/2014) | (7.4 - 9.8)/(32 - 8) | -0.1 |
| 31.6 (3/18/2021) | 9.8 (11/19/2014) | (31.6 - 9.8)/(33 - 8) | 0.872 |
| 12.3 (5/5/2021) | 9.8 (11/19/2014) | (12.3 - 9.8)/(34 - 8) | 0.0961538 |
| 25.4 (9/2/2021) | 9.8 (11/19/2014) | (25.4 - 9.8)/(35 - 8) | 0.577778 |
| 8.5 (11/23/2021) | 9.8 (11/19/2014) | (8.5 - 9.8)/(36 - 8) | -0.0464286 |
| 10.2 (1/10/2022) | 9.8 (11/19/2014) | (10.2 - 9.8)/(37 - 8) | 0.0137931 |
| 9.9 (4/7/2022) | 9.8 (11/19/2014) | (9.9 - 9.8)/(38 - 8) | 0.00333333 |
| 5.3 (8/3/2022) | 9.8 (11/19/2014) | (5.3 - 9.8)/(39 - 8) | -0.145161 |
| 7.5 (11/16/2022) | 9.8 (11/19/2014) | (7.5 - 9.8)/(40 - 8) | -0.071875 |
| 7.1 (2/13/2023) | 9.8 (11/19/2014) | (7.1 - 9.8)/(41 - 8) | -0.0818182 |
| | | | |
| 8 (4/22/2015) | 8.2 (3/23/2015) | (8 - 8.2)/(10 - 9) | -0.2 |
| 12.4 (9/30/2015) | 8.2 (3/23/2015) | (12.4 - 8.2)/(11 - 9) | 2.1 |
| 16 (11/19/2015) | 8.2 (3/23/2015) | (16 - 8.2)/(12 - 9) | 2.6 |
| 7.9 (3/15/2016) | 8.2 (3/23/2015) | (7.9 - 8.2)/(13 - 9) | -0.075 |
| 11.2 (6/29/2016) | 8.2 (3/23/2015) | (11.2 - 8.2)/(14 - 9) | 0.6 |
| 10.3 (8/9/2016) | 8.2 (3/23/2015) | (10.3 - 8.2)/(15 - 9) | 0.35 |
| 7.5 (12/7/2016) | 8.2 (3/23/2015) | (7.5 - 8.2)/(16 - 9) | -0.1 |
| 9 (3/2/2017) | 8.2 (3/23/2015) | (9 - 8.2)/(17 - 9) | 0.1 |
| 21 (6/21/2017) | 8.2 (3/23/2015) | (21 - 8.2)/(18 - 9) | 1.42222 |
| 13.2 (8/17/2017) | 8.2 (3/23/2015) | (13.2 - 8.2)/(19 - 9) | 0.5 |
| 12 (10/26/2017) | 8.2 (3/23/2015) | (12 - 8.2)/(20 - 9) | 0.345455 |
| 10.9 (3/27/2018) | 8.2 (3/23/2015) | (10.9 - 8.2)/(21 - 9) | 0.225 |
| 9.6 (6/26/2018) | 8.2 (3/23/2015) | (9.6 - 8.2)/(22 - 9) | 0.107692 |
| 21.9 (8/1/2018) | 8.2 (3/23/2015) | (21.9 - 8.2)/(23 - 9) | 0.978571 |
| 5.8 (12/11/2018) | 8.2 (3/23/2015) | (5.8 - 8.2)/(24 - 9) | -0.16 |
| 9.6 (4/17/2019) | 8.2 (3/23/2015) | (9.6 - 8.2)/(25 - 9) | 0.0875 |
| 12.4 (6/11/2019) | 8.2 (3/23/2015) | (12.4 - 8.2)/(26 - 9) | 0.247059 |
| 6.5 (8/28/2019) | 8.2 (3/23/2015) | (6.5 - 8.2)/(27 - 9) | -0.0944444 |
| 9.9 (10/28/2019) | 8.2 (3/23/2015) | (9.9 - 8.2)/(28 - 9) | 0.0894737 |
| 8.4 (3/31/2020) | 8.2 (3/23/2015) | (8.4 - 8.2)/(29 - 9) | 0.01 |
| 10.4 (6/10/2020) | 8.2 (3/23/2015) | (10.4 - 8.2)/(30 - 9) | 0.104762 |
| 8.6 (9/21/2020) | 8.2 (3/23/2015) | (8.6 - 8.2)/(31 - 9) | 0.0181818 |
| 7.4 (12/17/2020) | 8.2 (3/23/2015) | (7.4 - 8.2)/(32 - 9) | -0.0347826 |
| 31.6 (3/18/2021) | 8.2 (3/23/2015) | (31.6 - 8.2)/(33 - 9) | 0.975 |
| 12.3 (5/5/2021) | 8.2 (3/23/2015) | (12.3 - 8.2)/(34 - 9) | 0.164 |
| 25.4 (9/2/2021) | 8.2 (3/23/2015) | (25.4 - 8.2)/(35 - 9) | 0.661538 |
| 8.5 (11/23/2021) | 8.2 (3/23/2015) | (8.5 - 8.2)/(36 - 9) | 0.0111111 |
| 10.2 (1/10/2022) | 8.2 (3/23/2015) | (10.2 - 8.2)/(37 - 9) | 0.0714286 |
| 9.9 (4/7/2022) | 8.2 (3/23/2015) | (9.9 - 8.2)/(38 - 9) | 0.0586207 |
| 5.3 (8/3/2022) | 8.2 (3/23/2015) | (5.3 - 8.2)/(39 - 9) | -0.0966667 |
| 7.5 (11/16/2022) | 8.2 (3/23/2015) | (7.5 - 8.2)/(40 - 9) | -0.0225806 |
| 7.1 (2/13/2023) | 8.2 (3/23/2015) | (7.1 - 8.2)/(41 - 9) | -0.034375 |

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|---|---|---|---|
| 12.4 (9/30/2015) | 8 (4/22/2015) | (12.4 - 8)/(11 - 10) | 4.4 |
| 16 (11/19/2015) | 8 (4/22/2015) | (16 - 8)/(12 - 10) | 4 |
| 7.9 (3/15/2016) | 8 (4/22/2015) | (7.9 - 8)/(13 - 10) | -0.0333333 |
| 11.2 (6/29/2016) | 8 (4/22/2015) | (11.2 - 8)/(14 - 10) | 0.8 |
| 10.3 (8/9/2016) | 8 (4/22/2015) | (10.3 - 8)/(15 - 10) | 0.46 |
| 7.5 (12/7/2016) | 8 (4/22/2015) | (7.5 - 8)/(16 - 10) | -0.0833333 |
| 9 (3/2/2017) | 8 (4/22/2015) | (9 - 8)/(17 - 10) | 0.142857 |
| 21 (6/21/2017) | 8 (4/22/2015) | (21 - 8)/(18 - 10) | 1.625 |
| 13.2 (8/17/2017) | 8 (4/22/2015) | (13.2 - 8)/(19 - 10) | 0.577778 |
| 12 (10/26/2017) | 8 (4/22/2015) | (12 - 8)/(20 - 10) | 0.4 |
| 10.9 (3/27/2018) | 8 (4/22/2015) | (10.9 - 8)/(21 - 10) | 0.263636 |
| 9.6 (6/26/2018) | 8 (4/22/2015) | (9.6 - 8)/(22 - 10) | 0.133333 |
| 21.9 (8/1/2018) | 8 (4/22/2015) | (21.9 - 8)/(23 - 10) | 1.06923 |
| 5.8 (12/11/2018) | 8 (4/22/2015) | (5.8 - 8)/(24 - 10) | -0.157143 |
| 9.6 (4/17/2019) | 8 (4/22/2015) | (9.6 - 8)/(25 - 10) | 0.106667 |
| 12.4 (6/11/2019) | 8 (4/22/2015) | (12.4 - 8)/(26 - 10) | 0.275 |
| 6.5 (8/28/2019) | 8 (4/22/2015) | (6.5 - 8)/(27 - 10) | -0.0882353 |
| 9.9 (10/28/2019) | 8 (4/22/2015) | (9.9 - 8)/(28 - 10) | 0.105556 |
| 8.4 (3/31/2020) | 8 (4/22/2015) | (8.4 - 8)/(29 - 10) | 0.0210526 |
| 10.4 (6/10/2020) | 8 (4/22/2015) | (10.4 - 8)/(30 - 10) | 0.12 |
| 8.6 (9/21/2020) | 8 (4/22/2015) | (8.6 - 8)/(31 - 10) | 0.0285714 |
| 7.4 (12/17/2020) | 8 (4/22/2015) | (7.4 - 8)/(32 - 10) | -0.0272727 |
| 31.6 (3/18/2021) | 8 (4/22/2015) | (31.6 - 8)/(33 - 10) | 1.02609 |
| 12.3 (5/5/2021) | 8 (4/22/2015) | (12.3 - 8)/(34 - 10) | 0.179167 |
| 25.4 (9/2/2021) | 8 (4/22/2015) | (25.4 - 8)/(35 - 10) | 0.696 |
| 8.5 (11/23/2021) | 8 (4/22/2015) | (8.5 - 8)/(36 - 10) | 0.0192308 |
| 10.2 (1/10/2022) | 8 (4/22/2015) | (10.2 - 8)/(37 - 10) | 0.0814815 |
| 9.9 (4/7/2022) | 8 (4/22/2015) | (9.9 - 8)/(38 - 10) | 0.0678571 |
| 5.3 (8/3/2022) | 8 (4/22/2015) | (5.3 - 8)/(39 - 10) | -0.0931034 |
| 7.5 (11/16/2022) | 8 (4/22/2015) | (7.5 - 8)/(40 - 10) | -0.0166667 |
| 7.1 (2/13/2023) | 8 (4/22/2015) | (7.1 - 8)/(41 - 10) | -0.0290323 |

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|---|---|---|---|
| 16 (11/19/2015) | 12.4 (9/30/2015) | (16 - 12.4)/(12 - 11) | 3.6 |
| 7.9 (3/15/2016) | 12.4 (9/30/2015) | (7.9 - 12.4)/(13 - 11) | -2.25 |
| 11.2 (6/29/2016) | 12.4 (9/30/2015) | (11.2 - 12.4)/(14 - 11) | -0.4 |
| 10.3 (8/9/2016) | 12.4 (9/30/2015) | (10.3 - 12.4)/(15 - 11) | -0.525 |
| 7.5 (12/7/2016) | 12.4 (9/30/2015) | (7.5 - 12.4)/(16 - 11) | -0.98 |
| 9 (3/2/2017) | 12.4 (9/30/2015) | (9 - 12.4)/(17 - 11) | -0.566667 |
| 21 (6/21/2017) | 12.4 (9/30/2015) | (21 - 12.4)/(18 - 11) | 1.22857 |
| 13.2 (8/17/2017) | 12.4 (9/30/2015) | (13.2 - 12.4)/(19 - 11) | 0.1 |
| 12 (10/26/2017) | 12.4 (9/30/2015) | (12 - 12.4)/(20 - 11) | -0.0444444 |
| 10.9 (3/27/2018) | 12.4 (9/30/2015) | (10.9 - 12.4)/(21 - 11) | -0.15 |
| 9.6 (6/26/2018) | 12.4 (9/30/2015) | (9.6 - 12.4)/(22 - 11) | -0.254545 |
| 21.9 (8/1/2018) | 12.4 (9/30/2015) | (21.9 - 12.4)/(23 - 11) | 0.791667 |
| 5.8 (12/11/2018) | 12.4 (9/30/2015) | (5.8 - 12.4)/(24 - 11) | -0.507692 |
| 9.6 (4/17/2019) | 12.4 (9/30/2015) | (9.6 - 12.4)/(25 - 11) | -0.2 |
| 12.4 (6/11/2019) | 12.4 (9/30/2015) | (12.4 - 12.4)/(26 - 11) | 0 |
| 6.5 (8/28/2019) | 12.4 (9/30/2015) | (6.5 - 12.4)/(27 - 11) | -0.36875 |
| 9.9 (10/28/2019) | 12.4 (9/30/2015) | (9.9 - 12.4)/(28 - 11) | -0.147059 |
| 8.4 (3/31/2020) | 12.4 (9/30/2015) | (8.4 - 12.4)/(29 - 11) | -0.222222 |
| 10.4 (6/10/2020) | 12.4 (9/30/2015) | (10.4 - 12.4)/(30 - 11) | -0.105263 |
| 8.6 (9/21/2020) | 12.4 (9/30/2015) | (8.6 - 12.4)/(31 - 11) | -0.19 |
| 7.4 (12/17/2020) | 12.4 (9/30/2015) | (7.4 - 12.4)/(32 - 11) | -0.238095 |
| 31.6 (3/18/2021) | 12.4 (9/30/2015) | (31.6 - 12.4)/(33 - 11) | 0.872727 |
| 12.3 (5/5/2021) | 12.4 (9/30/2015) | (12.3 - 12.4)/(34 - 11) | -0.00434783 |
| 25.4 (9/2/2021) | 12.4 (9/30/2015) | (25.4 - 12.4)/(35 - 11) | 0.541667 |
| 8.5 (11/23/2021) | 12.4 (9/30/2015) | (8.5 - 12.4)/(36 - 11) | -0.156 |

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|---|---|---|---|
| 10.2 (1/10/2022) | 12.4 (9/30/2015) | (10.2 - 12.4)/(37 - 11) | -0.0846154 |
| 9.9 (4/7/2022) | 12.4 (9/30/2015) | (9.9 - 12.4)/(38 - 11) | -0.0925926 |
| 5.3 (8/3/2022) | 12.4 (9/30/2015) | (5.3 - 12.4)/(39 - 11) | -0.253571 |
| 7.5 (11/16/2022) | 12.4 (9/30/2015) | (7.5 - 12.4)/(40 - 11) | -0.168966 |
| 7.1 (2/13/2023) | 12.4 (9/30/2015) | (7.1 - 12.4)/(41 - 11) | -0.176667 |
| | | | |
| 7.9 (3/15/2016) | 16 (11/19/2015) | (7.9 - 16)/(13 - 12) | -8.1 |
| 11.2 (6/29/2016) | 16 (11/19/2015) | (11.2 - 16)/(14 - 12) | -2.4 |
| 10.3 (8/9/2016) | 16 (11/19/2015) | (10.3 - 16)/(15 - 12) | -1.9 |
| 7.5 (12/7/2016) | 16 (11/19/2015) | (7.5 - 16)/(16 - 12) | -2.125 |
| 9 (3/2/2017) | 16 (11/19/2015) | (9 - 16)/(17 - 12) | -1.4 |
| 21 (6/21/2017) | 16 (11/19/2015) | (21 - 16)/(18 - 12) | 0.833333 |
| 13.2 (8/17/2017) | 16 (11/19/2015) | (13.2 - 16)/(19 - 12) | -0.4 |
| 12 (10/26/2017) | 16 (11/19/2015) | (12 - 16)/(20 - 12) | -0.5 |
| 10.9 (3/27/2018) | 16 (11/19/2015) | (10.9 - 16)/(21 - 12) | -0.566667 |
| 9.6 (6/26/2018) | 16 (11/19/2015) | (9.6 - 16)/(22 - 12) | -0.64 |
| 21.9 (8/1/2018) | 16 (11/19/2015) | (21.9 - 16)/(23 - 12) | 0.536364 |
| 5.8 (12/11/2018) | 16 (11/19/2015) | (5.8 - 16)/(24 - 12) | -0.85 |
| 9.6 (4/17/2019) | 16 (11/19/2015) | (9.6 - 16)/(25 - 12) | -0.492308 |
| 12.4 (6/11/2019) | 16 (11/19/2015) | (12.4 - 16)/(26 - 12) | -0.257143 |
| 6.5 (8/28/2019) | 16 (11/19/2015) | (6.5 - 16)/(27 - 12) | -0.633333 |
| 9.9 (10/28/2019) | 16 (11/19/2015) | (9.9 - 16)/(28 - 12) | -0.38125 |
| 8.4 (3/31/2020) | 16 (11/19/2015) | (8.4 - 16)/(29 - 12) | -0.447059 |
| 10.4 (6/10/2020) | 16 (11/19/2015) | (10.4 - 16)/(30 - 12) | -0.311111 |
| 8.6 (9/21/2020) | 16 (11/19/2015) | (8.6 - 16)/(31 - 12) | -0.389474 |
| 7.4 (12/17/2020) | 16 (11/19/2015) | (7.4 - 16)/(32 - 12) | -0.43 |
| 31.6 (3/18/2021) | 16 (11/19/2015) | (31.6 - 16)/(33 - 12) | 0.742857 |
| 12.3 (5/5/2021) | 16 (11/19/2015) | (12.3 - 16)/(34 - 12) | -0.168182 |
| 25.4 (9/2/2021) | 16 (11/19/2015) | (25.4 - 16)/(35 - 12) | 0.408696 |
| 8.5 (11/23/2021) | 16 (11/19/2015) | (8.5 - 16)/(36 - 12) | -0.3125 |
| 10.2 (1/10/2022) | 16 (11/19/2015) | (10.2 - 16)/(37 - 12) | -0.232 |
| 9.9 (4/7/2022) | 16 (11/19/2015) | (9.9 - 16)/(38 - 12) | -0.234615 |
| 5.3 (8/3/2022) | 16 (11/19/2015) | (5.3 - 16)/(39 - 12) | -0.396296 |
| 7.5 (11/16/2022) | 16 (11/19/2015) | (7.5 - 16)/(40 - 12) | -0.303571 |
| 7.1 (2/13/2023) | 16 (11/19/2015) | (7.1 - 16)/(41 - 12) | -0.306897 |
| | | | |
| 11.2 (6/29/2016) | 7.9 (3/15/2016) | (11.2 - 7.9)/(14 - 13) | 3.3 |
| 10.3 (8/9/2016) | 7.9 (3/15/2016) | (10.3 - 7.9)/(15 - 13) | 1.2 |
| 7.5 (12/7/2016) | 7.9 (3/15/2016) | (7.5 - 7.9)/(16 - 13) | -0.133333 |
| 9 (3/2/2017) | 7.9 (3/15/2016) | (9 - 7.9)/(17 - 13) | 0.275 |
| 21 (6/21/2017) | 7.9 (3/15/2016) | (21 - 7.9)/(18 - 13) | 2.62 |
| 13.2 (8/17/2017) | 7.9 (3/15/2016) | (13.2 - 7.9)/(19 - 13) | 0.883333 |
| 12 (10/26/2017) | 7.9 (3/15/2016) | (12 - 7.9)/(20 - 13) | 0.585714 |
| 10.9 (3/27/2018) | 7.9 (3/15/2016) | (10.9 - 7.9)/(21 - 13) | 0.375 |
| 9.6 (6/26/2018) | 7.9 (3/15/2016) | (9.6 - 7.9)/(22 - 13) | 0.188889 |
| 21.9 (8/1/2018) | 7.9 (3/15/2016) | (21.9 - 7.9)/(23 - 13) | 1.4 |
| 5.8 (12/11/2018) | 7.9 (3/15/2016) | (5.8 - 7.9)/(24 - 13) | -0.190909 |
| 9.6 (4/17/2019) | 7.9 (3/15/2016) | (9.6 - 7.9)/(25 - 13) | 0.141667 |
| 12.4 (6/11/2019) | 7.9 (3/15/2016) | (12.4 - 7.9)/(26 - 13) | 0.346154 |
| 6.5 (8/28/2019) | 7.9 (3/15/2016) | (6.5 - 7.9)/(27 - 13) | -0.1 |
| 9.9 (10/28/2019) | 7.9 (3/15/2016) | (9.9 - 7.9)/(28 - 13) | 0.133333 |
| 8.4 (3/31/2020) | 7.9 (3/15/2016) | (8.4 - 7.9)/(29 - 13) | 0.03125 |
| 10.4 (6/10/2020) | 7.9 (3/15/2016) | (10.4 - 7.9)/(30 - 13) | 0.147059 |
| 8.6 (9/21/2020) | 7.9 (3/15/2016) | (8.6 - 7.9)/(31 - 13) | 0.0388889 |
| 7.4 (12/17/2020) | 7.9 (3/15/2016) | (7.4 - 7.9)/(32 - 13) | -0.0263158 |
| 31.6 (3/18/2021) | 7.9 (3/15/2016) | (31.6 - 7.9)/(33 - 13) | 1.185 |
| 12.3 (5/5/2021) | 7.9 (3/15/2016) | (12.3 - 7.9)/(34 - 13) | 0.209524 |

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| 25.4 (9/2/2021) | 7.9 (3/15/2016) | (25.4 - 7.9)/(35 - 13) | 0.795455 |
| 8.5 (11/23/2021) | 7.9 (3/15/2016) | (8.5 - 7.9)/(36 - 13) | 0.026087 |
| 10.2 (1/10/2022) | 7.9 (3/15/2016) | (10.2 - 7.9)/(37 - 13) | 0.0958333 |
| 9.9 (4/7/2022) | 7.9 (3/15/2016) | (9.9 - 7.9)/(38 - 13) | 0.08 |
| 5.3 (8/3/2022) | 7.9 (3/15/2016) | (5.3 - 7.9)/(39 - 13) | -0.1 |
| 7.5 (11/16/2022) | 7.9 (3/15/2016) | (7.5 - 7.9)/(40 - 13) | -0.0148148 |
| 7.1 (2/13/2023) | 7.9 (3/15/2016) | (7.1 - 7.9)/(41 - 13) | -0.0285714 |
| | | | |
| 10.3 (8/9/2016) | 11.2 (6/29/2016) | (10.3 - 11.2)/(15 - 14) | -0.9 |
| 7.5 (12/7/2016) | 11.2 (6/29/2016) | (7.5 - 11.2)/(16 - 14) | -1.85 |
| 9 (3/2/2017) | 11.2 (6/29/2016) | (9 - 11.2)/(17 - 14) | -0.733333 |
| 21 (6/21/2017) | 11.2 (6/29/2016) | (21 - 11.2)/(18 - 14) | 2.45 |
| 13.2 (8/17/2017) | 11.2 (6/29/2016) | (13.2 - 11.2)/(19 - 14) | 0.4 |
| 12 (10/26/2017) | 11.2 (6/29/2016) | (12 - 11.2)/(20 - 14) | 0.133333 |
| 10.9 (3/27/2018) | 11.2 (6/29/2016) | (10.9 - 11.2)/(21 - 14) | -0.0428571 |
| 9.6 (6/26/2018) | 11.2 (6/29/2016) | (9.6 - 11.2)/(22 - 14) | -0.2 |
| 21.9 (8/1/2018) | 11.2 (6/29/2016) | (21.9 - 11.2)/(23 - 14) | 1.18889 |
| 5.8 (12/11/2018) | 11.2 (6/29/2016) | (5.8 - 11.2)/(24 - 14) | -0.54 |
| 9.6 (4/17/2019) | 11.2 (6/29/2016) | (9.6 - 11.2)/(25 - 14) | -0.145455 |
| 12.4 (6/11/2019) | 11.2 (6/29/2016) | (12.4 - 11.2)/(26 - 14) | 0.1 |
| 6.5 (8/28/2019) | 11.2 (6/29/2016) | (6.5 - 11.2)/(27 - 14) | -0.361538 |
| 9.9 (10/28/2019) | 11.2 (6/29/2016) | (9.9 - 11.2)/(28 - 14) | -0.0928571 |
| 8.4 (3/31/2020) | 11.2 (6/29/2016) | (8.4 - 11.2)/(29 - 14) | -0.186667 |
| 10.4 (6/10/2020) | 11.2 (6/29/2016) | (10.4 - 11.2)/(30 - 14) | -0.05 |
| 8.6 (9/21/2020) | 11.2 (6/29/2016) | (8.6 - 11.2)/(31 - 14) | -0.152941 |
| 7.4 (12/17/2020) | 11.2 (6/29/2016) | (7.4 - 11.2)/(32 - 14) | -0.211111 |
| 31.6 (3/18/2021) | 11.2 (6/29/2016) | (31.6 - 11.2)/(33 - 14) | 1.07368 |
| 12.3 (5/5/2021) | 11.2 (6/29/2016) | (12.3 - 11.2)/(34 - 14) | 0.055 |
| 25.4 (9/2/2021) | 11.2 (6/29/2016) | (25.4 - 11.2)/(35 - 14) | 0.67619 |
| 8.5 (11/23/2021) | 11.2 (6/29/2016) | (8.5 - 11.2)/(36 - 14) | -0.122727 |
| 10.2 (1/10/2022) | 11.2 (6/29/2016) | (10.2 - 11.2)/(37 - 14) | -0.0434783 |
| 9.9 (4/7/2022) | 11.2 (6/29/2016) | (9.9 - 11.2)/(38 - 14) | -0.0541667 |
| 5.3 (8/3/2022) | 11.2 (6/29/2016) | (5.3 - 11.2)/(39 - 14) | -0.236 |
| 7.5 (11/16/2022) | 11.2 (6/29/2016) | (7.5 - 11.2)/(40 - 14) | -0.142308 |
| 7.1 (2/13/2023) | 11.2 (6/29/2016) | (7.1 - 11.2)/(41 - 14) | -0.151852 |
| | | | |
| 7.5 (12/7/2016) | 10.3 (8/9/2016) | (7.5 - 10.3)/(16 - 15) | -2.8 |
| 9 (3/2/2017) | 10.3 (8/9/2016) | (9 - 10.3)/(17 - 15) | -0.65 |
| 21 (6/21/2017) | 10.3 (8/9/2016) | (21 - 10.3)/(18 - 15) | 3.56667 |
| 13.2 (8/17/2017) | 10.3 (8/9/2016) | (13.2 - 10.3)/(19 - 15) | 0.725 |
| 12 (10/26/2017) | 10.3 (8/9/2016) | (12 - 10.3)/(20 - 15) | 0.34 |
| 10.9 (3/27/2018) | 10.3 (8/9/2016) | (10.9 - 10.3)/(21 - 15) | 0.1 |
| 9.6 (6/26/2018) | 10.3 (8/9/2016) | (9.6 - 10.3)/(22 - 15) | -0.1 |
| 21.9 (8/1/2018) | 10.3 (8/9/2016) | (21.9 - 10.3)/(23 - 15) | 1.45 |
| 5.8 (12/11/2018) | 10.3 (8/9/2016) | (5.8 - 10.3)/(24 - 15) | -0.5 |
| 9.6 (4/17/2019) | 10.3 (8/9/2016) | (9.6 - 10.3)/(25 - 15) | -0.07 |
| 12.4 (6/11/2019) | 10.3 (8/9/2016) | (12.4 - 10.3)/(26 - 15) | 0.190909 |
| 6.5 (8/28/2019) | 10.3 (8/9/2016) | (6.5 - 10.3)/(27 - 15) | -0.316667 |
| 9.9 (10/28/2019) | 10.3 (8/9/2016) | (9.9 - 10.3)/(28 - 15) | -0.0307692 |
| 8.4 (3/31/2020) | 10.3 (8/9/2016) | (8.4 - 10.3)/(29 - 15) | -0.135714 |
| 10.4 (6/10/2020) | 10.3 (8/9/2016) | (10.4 - 10.3)/(30 - 15) | 0.00666667 |
| 8.6 (9/21/2020) | 10.3 (8/9/2016) | (8.6 - 10.3)/(31 - 15) | -0.10625 |
| 7.4 (12/17/2020) | 10.3 (8/9/2016) | (7.4 - 10.3)/(32 - 15) | -0.170588 |
| 31.6 (3/18/2021) | 10.3 (8/9/2016) | (31.6 - 10.3)/(33 - 15) | 1.18333 |
| 12.3 (5/5/2021) | 10.3 (8/9/2016) | (12.3 - 10.3)/(34 - 15) | 0.105263 |
| 25.4 (9/2/2021) | 10.3 (8/9/2016) | (25.4 - 10.3)/(35 - 15) | 0.755 |
| 8.5 (11/23/2021) | 10.3 (8/9/2016) | (8.5 - 10.3)/(36 - 15) | -0.0857143 |

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| 10.2 (1/10/2022) | 10.3 (8/9/2016) | (10.2 - 10.3)/(37 - 15) | -0.00454545 |
| 9.9 (4/7/2022) | 10.3 (8/9/2016) | (9.9 - 10.3)/(38 - 15) | -0.0173913 |
| 5.3 (8/3/2022) | 10.3 (8/9/2016) | (5.3 - 10.3)/(39 - 15) | -0.208333 |
| 7.5 (11/16/2022) | 10.3 (8/9/2016) | (7.5 - 10.3)/(40 - 15) | -0.112 |
| 7.1 (2/13/2023) | 10.3 (8/9/2016) | (7.1 - 10.3)/(41 - 15) | -0.123077 |
| | | | |
| 9 (3/2/2017) | 7.5 (12/7/2016) | (9 - 7.5)/(17 - 16) | 1.5 |
| 21 (6/21/2017) | 7.5 (12/7/2016) | (21 - 7.5)/(18 - 16) | 6.75 |
| 13.2 (8/17/2017) | 7.5 (12/7/2016) | (13.2 - 7.5)/(19 - 16) | 1.9 |
| 12 (10/26/2017) | 7.5 (12/7/2016) | (12 - 7.5)/(20 - 16) | 1.125 |
| 10.9 (3/27/2018) | 7.5 (12/7/2016) | (10.9 - 7.5)/(21 - 16) | 0.68 |
| 9.6 (6/26/2018) | 7.5 (12/7/2016) | (9.6 - 7.5)/(22 - 16) | 0.35 |
| 21.9 (8/1/2018) | 7.5 (12/7/2016) | (21.9 - 7.5)/(23 - 16) | 2.05714 |
| 5.8 (12/11/2018) | 7.5 (12/7/2016) | (5.8 - 7.5)/(24 - 16) | -0.2125 |
| 9.6 (4/17/2019) | 7.5 (12/7/2016) | (9.6 - 7.5)/(25 - 16) | 0.233333 |
| 12.4 (6/11/2019) | 7.5 (12/7/2016) | (12.4 - 7.5)/(26 - 16) | 0.49 |
| 6.5 (8/28/2019) | 7.5 (12/7/2016) | (6.5 - 7.5)/(27 - 16) | -0.0909091 |
| 9.9 (10/28/2019) | 7.5 (12/7/2016) | (9.9 - 7.5)/(28 - 16) | 0.2 |
| 8.4 (3/31/2020) | 7.5 (12/7/2016) | (8.4 - 7.5)/(29 - 16) | 0.0692308 |
| 10.4 (6/10/2020) | 7.5 (12/7/2016) | (10.4 - 7.5)/(30 - 16) | 0.207143 |
| 8.6 (9/21/2020) | 7.5 (12/7/2016) | (8.6 - 7.5)/(31 - 16) | 0.0733333 |
| 7.4 (12/17/2020) | 7.5 (12/7/2016) | (7.4 - 7.5)/(32 - 16) | -0.00625 |
| 31.6 (3/18/2021) | 7.5 (12/7/2016) | (31.6 - 7.5)/(33 - 16) | 1.41765 |
| 12.3 (5/5/2021) | 7.5 (12/7/2016) | (12.3 - 7.5)/(34 - 16) | 0.266667 |
| 25.4 (9/2/2021) | 7.5 (12/7/2016) | (25.4 - 7.5)/(35 - 16) | 0.942105 |
| 8.5 (11/23/2021) | 7.5 (12/7/2016) | (8.5 - 7.5)/(36 - 16) | 0.05 |
| 10.2 (1/10/2022) | 7.5 (12/7/2016) | (10.2 - 7.5)/(37 - 16) | 0.128571 |
| 9.9 (4/7/2022) | 7.5 (12/7/2016) | (9.9 - 7.5)/(38 - 16) | 0.109091 |
| 5.3 (8/3/2022) | 7.5 (12/7/2016) | (5.3 - 7.5)/(39 - 16) | -0.0956522 |
| 7.5 (11/16/2022) | 7.5 (12/7/2016) | (7.5 - 7.5)/(40 - 16) | 0 |
| 7.1 (2/13/2023) | 7.5 (12/7/2016) | (7.1 - 7.5)/(41 - 16) | -0.016 |
| | | | |
| 21 (6/21/2017) | 9 (3/2/2017) | (21 - 9)/(18 - 17) | 12 |
| 13.2 (8/17/2017) | 9 (3/2/2017) | (13.2 - 9)/(19 - 17) | 2.1 |
| 12 (10/26/2017) | 9 (3/2/2017) | (12 - 9)/(20 - 17) | 1 |
| 10.9 (3/27/2018) | 9 (3/2/2017) | (10.9 - 9)/(21 - 17) | 0.475 |
| 9.6 (6/26/2018) | 9 (3/2/2017) | (9.6 - 9)/(22 - 17) | 0.12 |
| 21.9 (8/1/2018) | 9 (3/2/2017) | (21.9 - 9)/(23 - 17) | 2.15 |
| 5.8 (12/11/2018) | 9 (3/2/2017) | (5.8 - 9)/(24 - 17) | -0.457143 |
| 9.6 (4/17/2019) | 9 (3/2/2017) | (9.6 - 9)/(25 - 17) | 0.075 |
| 12.4 (6/11/2019) | 9 (3/2/2017) | (12.4 - 9)/(26 - 17) | 0.377778 |
| 6.5 (8/28/2019) | 9 (3/2/2017) | (6.5 - 9)/(27 - 17) | -0.25 |
| 9.9 (10/28/2019) | 9 (3/2/2017) | (9.9 - 9)/(28 - 17) | 0.0818182 |
| 8.4 (3/31/2020) | 9 (3/2/2017) | (8.4 - 9)/(29 - 17) | -0.05 |
| 10.4 (6/10/2020) | 9 (3/2/2017) | (10.4 - 9)/(30 - 17) | 0.107692 |
| 8.6 (9/21/2020) | 9 (3/2/2017) | (8.6 - 9)/(31 - 17) | -0.0285714 |
| 7.4 (12/17/2020) | 9 (3/2/2017) | (7.4 - 9)/(32 - 17) | -0.106667 |
| 31.6 (3/18/2021) | 9 (3/2/2017) | (31.6 - 9)/(33 - 17) | 1.4125 |
| 12.3 (5/5/2021) | 9 (3/2/2017) | (12.3 - 9)/(34 - 17) | 0.194118 |
| 25.4 (9/2/2021) | 9 (3/2/2017) | (25.4 - 9)/(35 - 17) | 0.911111 |
| 8.5 (11/23/2021) | 9 (3/2/2017) | (8.5 - 9)/(36 - 17) | -0.0263158 |
| 10.2 (1/10/2022) | 9 (3/2/2017) | (10.2 - 9)/(37 - 17) | 0.06 |
| 9.9 (4/7/2022) | 9 (3/2/2017) | (9.9 - 9)/(38 - 17) | 0.0428571 |
| 5.3 (8/3/2022) | 9 (3/2/2017) | (5.3 - 9)/(39 - 17) | -0.168182 |
| 7.5 (11/16/2022) | 9 (3/2/2017) | (7.5 - 9)/(40 - 17) | -0.0652174 |
| 7.1 (2/13/2023) | 9 (3/2/2017) | (7.1 - 9)/(41 - 17) | -0.0791667 |

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| 13.2 (8/17/2017) | 21 (6/21/2017) | (13.2 - 21)/(19 - 18) | -7.8 |
| 12 (10/26/2017) | 21 (6/21/2017) | (12 - 21)/(20 - 18) | -4.5 |
| 10.9 (3/27/2018) | 21 (6/21/2017) | (10.9 - 21)/(21 - 18) | -3.36667 |
| 9.6 (6/26/2018) | 21 (6/21/2017) | (9.6 - 21)/(22 - 18) | -2.85 |
| 21.9 (8/1/2018) | 21 (6/21/2017) | (21.9 - 21)/(23 - 18) | 0.18 |
| 5.8 (12/11/2018) | 21 (6/21/2017) | (5.8 - 21)/(24 - 18) | -2.53333 |
| 9.6 (4/17/2019) | 21 (6/21/2017) | (9.6 - 21)/(25 - 18) | -1.62857 |
| 12.4 (6/11/2019) | 21 (6/21/2017) | (12.4 - 21)/(26 - 18) | -1.075 |
| 6.5 (8/28/2019) | 21 (6/21/2017) | (6.5 - 21)/(27 - 18) | -1.61111 |
| 9.9 (10/28/2019) | 21 (6/21/2017) | (9.9 - 21)/(28 - 18) | -1.11 |
| 8.4 (3/31/2020) | 21 (6/21/2017) | (8.4 - 21)/(29 - 18) | -1.14545 |
| 10.4 (6/10/2020) | 21 (6/21/2017) | (10.4 - 21)/(30 - 18) | -0.883333 |
| 8.6 (9/21/2020) | 21 (6/21/2017) | (8.6 - 21)/(31 - 18) | -0.953846 |
| 7.4 (12/17/2020) | 21 (6/21/2017) | (7.4 - 21)/(32 - 18) | -0.971429 |
| 31.6 (3/18/2021) | 21 (6/21/2017) | (31.6 - 21)/(33 - 18) | 0.706667 |
| 12.3 (5/5/2021) | 21 (6/21/2017) | (12.3 - 21)/(34 - 18) | -0.54375 |
| 25.4 (9/2/2021) | 21 (6/21/2017) | (25.4 - 21)/(35 - 18) | 0.258824 |
| 8.5 (11/23/2021) | 21 (6/21/2017) | (8.5 - 21)/(36 - 18) | -0.694444 |
| 10.2 (1/10/2022) | 21 (6/21/2017) | (10.2 - 21)/(37 - 18) | -0.568421 |
| 9.9 (4/7/2022) | 21 (6/21/2017) | (9.9 - 21)/(38 - 18) | -0.555 |
| 5.3 (8/3/2022) | 21 (6/21/2017) | (5.3 - 21)/(39 - 18) | -0.747619 |
| 7.5 (11/16/2022) | 21 (6/21/2017) | (7.5 - 21)/(40 - 18) | -0.613636 |
| 7.1 (2/13/2023) | 21 (6/21/2017) | (7.1 - 21)/(41 - 18) | -0.604348 |
| | | | |
| 12 (10/26/2017) | 13.2 (8/17/2017) | (12 - 13.2)/(20 - 19) | -1.2 |
| 10.9 (3/27/2018) | 13.2 (8/17/2017) | (10.9 - 13.2)/(21 - 19) | -1.15 |
| 9.6 (6/26/2018) | 13.2 (8/17/2017) | (9.6 - 13.2)/(22 - 19) | -1.2 |
| 21.9 (8/1/2018) | 13.2 (8/17/2017) | (21.9 - 13.2)/(23 - 19) | 2.175 |
| 5.8 (12/11/2018) | 13.2 (8/17/2017) | (5.8 - 13.2)/(24 - 19) | -1.48 |
| 9.6 (4/17/2019) | 13.2 (8/17/2017) | (9.6 - 13.2)/(25 - 19) | -0.6 |
| 12.4 (6/11/2019) | 13.2 (8/17/2017) | (12.4 - 13.2)/(26 - 19) | -0.114286 |
| 6.5 (8/28/2019) | 13.2 (8/17/2017) | (6.5 - 13.2)/(27 - 19) | -0.8375 |
| 9.9 (10/28/2019) | 13.2 (8/17/2017) | (9.9 - 13.2)/(28 - 19) | -0.366667 |
| 8.4 (3/31/2020) | 13.2 (8/17/2017) | (8.4 - 13.2)/(29 - 19) | -0.48 |
| 10.4 (6/10/2020) | 13.2 (8/17/2017) | (10.4 - 13.2)/(30 - 19) | -0.254545 |
| 8.6 (9/21/2020) | 13.2 (8/17/2017) | (8.6 - 13.2)/(31 - 19) | -0.383333 |
| 7.4 (12/17/2020) | 13.2 (8/17/2017) | (7.4 - 13.2)/(32 - 19) | -0.446154 |
| 31.6 (3/18/2021) | 13.2 (8/17/2017) | (31.6 - 13.2)/(33 - 19) | 1.31429 |
| 12.3 (5/5/2021) | 13.2 (8/17/2017) | (12.3 - 13.2)/(34 - 19) | -0.06 |
| 25.4 (9/2/2021) | 13.2 (8/17/2017) | (25.4 - 13.2)/(35 - 19) | 0.7625 |
| 8.5 (11/23/2021) | 13.2 (8/17/2017) | (8.5 - 13.2)/(36 - 19) | -0.276471 |
| 10.2 (1/10/2022) | 13.2 (8/17/2017) | (10.2 - 13.2)/(37 - 19) | -0.166667 |
| 9.9 (4/7/2022) | 13.2 (8/17/2017) | (9.9 - 13.2)/(38 - 19) | -0.173684 |
| 5.3 (8/3/2022) | 13.2 (8/17/2017) | (5.3 - 13.2)/(39 - 19) | -0.395 |
| 7.5 (11/16/2022) | 13.2 (8/17/2017) | (7.5 - 13.2)/(40 - 19) | -0.271429 |
| 7.1 (2/13/2023) | 13.2 (8/17/2017) | (7.1 - 13.2)/(41 - 19) | -0.277273 |
| | | | |
| 10.9 (3/27/2018) | 12 (10/26/2017) | (10.9 - 12)/(21 - 20) | -1.1 |
| 9.6 (6/26/2018) | 12 (10/26/2017) | (9.6 - 12)/(22 - 20) | -1.2 |
| 21.9 (8/1/2018) | 12 (10/26/2017) | (21.9 - 12)/(23 - 20) | 3.3 |
| 5.8 (12/11/2018) | 12 (10/26/2017) | (5.8 - 12)/(24 - 20) | -1.55 |
| 9.6 (4/17/2019) | 12 (10/26/2017) | (9.6 - 12)/(25 - 20) | -0.48 |
| 12.4 (6/11/2019) | 12 (10/26/2017) | (12.4 - 12)/(26 - 20) | 0.0666667 |
| 6.5 (8/28/2019) | 12 (10/26/2017) | (6.5 - 12)/(27 - 20) | -0.785714 |
| 9.9 (10/28/2019) | 12 (10/26/2017) | (9.9 - 12)/(28 - 20) | -0.2625 |
| 8.4 (3/31/2020) | 12 (10/26/2017) | (8.4 - 12)/(29 - 20) | -0.4 |
| 10.4 (6/10/2020) | 12 (10/26/2017) | (10.4 - 12)/(30 - 20) | -0.16 |

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| 8.6 (9/21/2020) | 12 (10/26/2017) | (8.6 - 12)/(31 - 20) | -0.309091 |
| 7.4 (12/17/2020) | 12 (10/26/2017) | (7.4 - 12)/(32 - 20) | -0.383333 |
| 31.6 (3/18/2021) | 12 (10/26/2017) | (31.6 - 12)/(33 - 20) | 1.50769 |
| 12.3 (5/5/2021) | 12 (10/26/2017) | (12.3 - 12)/(34 - 20) | 0.0214286 |
| 25.4 (9/2/2021) | 12 (10/26/2017) | (25.4 - 12)/(35 - 20) | 0.893333 |
| 8.5 (11/23/2021) | 12 (10/26/2017) | (8.5 - 12)/(36 - 20) | -0.21875 |
| 10.2 (1/10/2022) | 12 (10/26/2017) | (10.2 - 12)/(37 - 20) | -0.105882 |
| 9.9 (4/7/2022) | 12 (10/26/2017) | (9.9 - 12)/(38 - 20) | -0.116667 |
| 5.3 (8/3/2022) | 12 (10/26/2017) | (5.3 - 12)/(39 - 20) | -0.352632 |
| 7.5 (11/16/2022) | 12 (10/26/2017) | (7.5 - 12)/(40 - 20) | -0.225 |
| 7.1 (2/13/2023) | 12 (10/26/2017) | (7.1 - 12)/(41 - 20) | -0.233333 |
| | | | |
| 9.6 (6/26/2018) | 10.9 (3/27/2018) | (9.6 - 10.9)/(22 - 21) | -1.3 |
| 21.9 (8/1/2018) | 10.9 (3/27/2018) | (21.9 - 10.9)/(23 - 21) | 5.5 |
| 5.8 (12/11/2018) | 10.9 (3/27/2018) | (5.8 - 10.9)/(24 - 21) | -1.7 |
| 9.6 (4/17/2019) | 10.9 (3/27/2018) | (9.6 - 10.9)/(25 - 21) | -0.325 |
| 12.4 (6/11/2019) | 10.9 (3/27/2018) | (12.4 - 10.9)/(26 - 21) | 0.3 |
| 6.5 (8/28/2019) | 10.9 (3/27/2018) | (6.5 - 10.9)/(27 - 21) | -0.733333 |
| 9.9 (10/28/2019) | 10.9 (3/27/2018) | (9.9 - 10.9)/(28 - 21) | -0.142857 |
| 8.4 (3/31/2020) | 10.9 (3/27/2018) | (8.4 - 10.9)/(29 - 21) | -0.3125 |
| 10.4 (6/10/2020) | 10.9 (3/27/2018) | (10.4 - 10.9)/(30 - 21) | -0.0555556 |
| 8.6 (9/21/2020) | 10.9 (3/27/2018) | (8.6 - 10.9)/(31 - 21) | -0.23 |
| 7.4 (12/17/2020) | 10.9 (3/27/2018) | (7.4 - 10.9)/(32 - 21) | -0.318182 |
| 31.6 (3/18/2021) | 10.9 (3/27/2018) | (31.6 - 10.9)/(33 - 21) | 1.725 |
| 12.3 (5/5/2021) | 10.9 (3/27/2018) | (12.3 - 10.9)/(34 - 21) | 0.107692 |
| 25.4 (9/2/2021) | 10.9 (3/27/2018) | (25.4 - 10.9)/(35 - 21) | 1.03571 |
| 8.5 (11/23/2021) | 10.9 (3/27/2018) | (8.5 - 10.9)/(36 - 21) | -0.16 |
| 10.2 (1/10/2022) | 10.9 (3/27/2018) | (10.2 - 10.9)/(37 - 21) | -0.04375 |
| 9.9 (4/7/2022) | 10.9 (3/27/2018) | (9.9 - 10.9)/(38 - 21) | -0.0588235 |
| 5.3 (8/3/2022) | 10.9 (3/27/2018) | (5.3 - 10.9)/(39 - 21) | -0.311111 |
| 7.5 (11/16/2022) | 10.9 (3/27/2018) | (7.5 - 10.9)/(40 - 21) | -0.178947 |
| 7.1 (2/13/2023) | 10.9 (3/27/2018) | (7.1 - 10.9)/(41 - 21) | -0.19 |
| | | | |
| 21.9 (8/1/2018) | 9.6 (6/26/2018) | (21.9 - 9.6)/(23 - 22) | 12.3 |
| 5.8 (12/11/2018) | 9.6 (6/26/2018) | (5.8 - 9.6)/(24 - 22) | -1.9 |
| 9.6 (4/17/2019) | 9.6 (6/26/2018) | (9.6 - 9.6)/(25 - 22) | 0 |
| 12.4 (6/11/2019) | 9.6 (6/26/2018) | (12.4 - 9.6)/(26 - 22) | 0.7 |
| 6.5 (8/28/2019) | 9.6 (6/26/2018) | (6.5 - 9.6)/(27 - 22) | -0.62 |
| 9.9 (10/28/2019) | 9.6 (6/26/2018) | (9.9 - 9.6)/(28 - 22) | 0.05 |
| 8.4 (3/31/2020) | 9.6 (6/26/2018) | (8.4 - 9.6)/(29 - 22) | -0.171429 |
| 10.4 (6/10/2020) | 9.6 (6/26/2018) | (10.4 - 9.6)/(30 - 22) | 0.1 |
| 8.6 (9/21/2020) | 9.6 (6/26/2018) | (8.6 - 9.6)/(31 - 22) | -0.111111 |
| 7.4 (12/17/2020) | 9.6 (6/26/2018) | (7.4 - 9.6)/(32 - 22) | -0.22 |
| 31.6 (3/18/2021) | 9.6 (6/26/2018) | (31.6 - 9.6)/(33 - 22) | 2 |
| 12.3 (5/5/2021) | 9.6 (6/26/2018) | (12.3 - 9.6)/(34 - 22) | 0.225 |
| 25.4 (9/2/2021) | 9.6 (6/26/2018) | (25.4 - 9.6)/(35 - 22) | 1.21538 |
| 8.5 (11/23/2021) | 9.6 (6/26/2018) | (8.5 - 9.6)/(36 - 22) | -0.0785714 |
| 10.2 (1/10/2022) | 9.6 (6/26/2018) | (10.2 - 9.6)/(37 - 22) | 0.04 |
| 9.9 (4/7/2022) | 9.6 (6/26/2018) | (9.9 - 9.6)/(38 - 22) | 0.01875 |
| 5.3 (8/3/2022) | 9.6 (6/26/2018) | (5.3 - 9.6)/(39 - 22) | -0.252941 |
| 7.5 (11/16/2022) | 9.6 (6/26/2018) | (7.5 - 9.6)/(40 - 22) | -0.116667 |
| 7.1 (2/13/2023) | 9.6 (6/26/2018) | (7.1 - 9.6)/(41 - 22) | -0.131579 |
| | | | |
| 5.8 (12/11/2018) | 21.9 (8/1/2018) | (5.8 - 21.9)/(24 - 23) | -16.1 |
| 9.6 (4/17/2019) | 21.9 (8/1/2018) | (9.6 - 21.9)/(25 - 23) | -6.15 |
| 12.4 (6/11/2019) | 21.9 (8/1/2018) | (12.4 - 21.9)/(26 - 23) | -3.16667 |
| 6.5 (8/28/2019) | 21.9 (8/1/2018) | (6.5 - 21.9)/(27 - 23) | -3.85 |

| | | | |
|---|---|---|---|
| 9.9 (10/28/2019) | 21.9 (8/1/2018) | (9.9 - 21.9)/(28 - 23) | -2.4 |
| 8.4 (3/31/2020) | 21.9 (8/1/2018) | (8.4 - 21.9)/(29 - 23) | -2.25 |
| 10.4 (6/10/2020) | 21.9 (8/1/2018) | (10.4 - 21.9)/(30 - 23) | -1.64286 |
| 8.6 (9/21/2020) | 21.9 (8/1/2018) | (8.6 - 21.9)/(31 - 23) | -1.6625 |
| 7.4 (12/17/2020) | 21.9 (8/1/2018) | (7.4 - 21.9)/(32 - 23) | -1.61111 |
| 31.6 (3/18/2021) | 21.9 (8/1/2018) | (31.6 - 21.9)/(33 - 23) | 0.97 |
| 12.3 (5/5/2021) | 21.9 (8/1/2018) | (12.3 - 21.9)/(34 - 23) | -0.872727 |
| 25.4 (9/2/2021) | 21.9 (8/1/2018) | (25.4 - 21.9)/(35 - 23) | 0.291667 |
| 8.5 (11/23/2021) | 21.9 (8/1/2018) | (8.5 - 21.9)/(36 - 23) | -1.03077 |
| 10.2 (1/10/2022) | 21.9 (8/1/2018) | (10.2 - 21.9)/(37 - 23) | -0.835714 |
| 9.9 (4/7/2022) | 21.9 (8/1/2018) | (9.9 - 21.9)/(38 - 23) | -0.8 |
| 5.3 (8/3/2022) | 21.9 (8/1/2018) | (5.3 - 21.9)/(39 - 23) | -1.0375 |
| 7.5 (11/16/2022) | 21.9 (8/1/2018) | (7.5 - 21.9)/(40 - 23) | -0.847059 |
| 7.1 (2/13/2023) | 21.9 (8/1/2018) | (7.1 - 21.9)/(41 - 23) | -0.822222 |
| | | | |
| 9.6 (4/17/2019) | 5.8 (12/11/2018) | (9.6 - 5.8)/(25 - 24) | 3.8 |
| 12.4 (6/11/2019) | 5.8 (12/11/2018) | (12.4 - 5.8)/(26 - 24) | 3.3 |
| 6.5 (8/28/2019) | 5.8 (12/11/2018) | (6.5 - 5.8)/(27 - 24) | 0.233333 |
| 9.9 (10/28/2019) | 5.8 (12/11/2018) | (9.9 - 5.8)/(28 - 24) | 1.025 |
| 8.4 (3/31/2020) | 5.8 (12/11/2018) | (8.4 - 5.8)/(29 - 24) | 0.52 |
| 10.4 (6/10/2020) | 5.8 (12/11/2018) | (10.4 - 5.8)/(30 - 24) | 0.766667 |
| 8.6 (9/21/2020) | 5.8 (12/11/2018) | (8.6 - 5.8)/(31 - 24) | 0.4 |
| 7.4 (12/17/2020) | 5.8 (12/11/2018) | (7.4 - 5.8)/(32 - 24) | 0.2 |
| 31.6 (3/18/2021) | 5.8 (12/11/2018) | (31.6 - 5.8)/(33 - 24) | 2.86667 |
| 12.3 (5/5/2021) | 5.8 (12/11/2018) | (12.3 - 5.8)/(34 - 24) | 0.65 |
| 25.4 (9/2/2021) | 5.8 (12/11/2018) | (25.4 - 5.8)/(35 - 24) | 1.78182 |
| 8.5 (11/23/2021) | 5.8 (12/11/2018) | (8.5 - 5.8)/(36 - 24) | 0.225 |
| 10.2 (1/10/2022) | 5.8 (12/11/2018) | (10.2 - 5.8)/(37 - 24) | 0.338462 |
| 9.9 (4/7/2022) | 5.8 (12/11/2018) | (9.9 - 5.8)/(38 - 24) | 0.292857 |
| 5.3 (8/3/2022) | 5.8 (12/11/2018) | (5.3 - 5.8)/(39 - 24) | -0.0333333 |
| 7.5 (11/16/2022) | 5.8 (12/11/2018) | (7.5 - 5.8)/(40 - 24) | 0.10625 |
| 7.1 (2/13/2023) | 5.8 (12/11/2018) | (7.1 - 5.8)/(41 - 24) | 0.0764706 |
| | | | |
| 12.4 (6/11/2019) | 9.6 (4/17/2019) | (12.4 - 9.6)/(26 - 25) | 2.8 |
| 6.5 (8/28/2019) | 9.6 (4/17/2019) | (6.5 - 9.6)/(27 - 25) | -1.55 |
| 9.9 (10/28/2019) | 9.6 (4/17/2019) | (9.9 - 9.6)/(28 - 25) | 0.1 |
| 8.4 (3/31/2020) | 9.6 (4/17/2019) | (8.4 - 9.6)/(29 - 25) | -0.3 |
| 10.4 (6/10/2020) | 9.6 (4/17/2019) | (10.4 - 9.6)/(30 - 25) | 0.16 |
| 8.6 (9/21/2020) | 9.6 (4/17/2019) | (8.6 - 9.6)/(31 - 25) | -0.166667 |
| 7.4 (12/17/2020) | 9.6 (4/17/2019) | (7.4 - 9.6)/(32 - 25) | -0.314286 |
| 31.6 (3/18/2021) | 9.6 (4/17/2019) | (31.6 - 9.6)/(33 - 25) | 2.75 |
| 12.3 (5/5/2021) | 9.6 (4/17/2019) | (12.3 - 9.6)/(34 - 25) | 0.3 |
| 25.4 (9/2/2021) | 9.6 (4/17/2019) | (25.4 - 9.6)/(35 - 25) | 1.58 |
| 8.5 (11/23/2021) | 9.6 (4/17/2019) | (8.5 - 9.6)/(36 - 25) | -0.1 |
| 10.2 (1/10/2022) | 9.6 (4/17/2019) | (10.2 - 9.6)/(37 - 25) | 0.05 |
| 9.9 (4/7/2022) | 9.6 (4/17/2019) | (9.9 - 9.6)/(38 - 25) | 0.0230769 |
| 5.3 (8/3/2022) | 9.6 (4/17/2019) | (5.3 - 9.6)/(39 - 25) | -0.307143 |
| 7.5 (11/16/2022) | 9.6 (4/17/2019) | (7.5 - 9.6)/(40 - 25) | -0.14 |
| 7.1 (2/13/2023) | 9.6 (4/17/2019) | (7.1 - 9.6)/(41 - 25) | -0.15625 |
| | | | |
| 6.5 (8/28/2019) | 12.4 (6/11/2019) | (6.5 - 12.4)/(27 - 26) | -5.9 |
| 9.9 (10/28/2019) | 12.4 (6/11/2019) | (9.9 - 12.4)/(28 - 26) | -1.25 |
| 8.4 (3/31/2020) | 12.4 (6/11/2019) | (8.4 - 12.4)/(29 - 26) | -1.33333 |
| 10.4 (6/10/2020) | 12.4 (6/11/2019) | (10.4 - 12.4)/(30 - 26) | -0.5 |
| 8.6 (9/21/2020) | 12.4 (6/11/2019) | (8.6 - 12.4)/(31 - 26) | -0.76 |
| 7.4 (12/17/2020) | 12.4 (6/11/2019) | (7.4 - 12.4)/(32 - 26) | -0.833333 |
| 31.6 (3/18/2021) | 12.4 (6/11/2019) | (31.6 - 12.4)/(33 - 26) | 2.74286 |

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|---|---|---|---|
| 12.3 (5/5/2021) | 12.4 (6/11/2019) | (12.3 - 12.4)/(34 - 26) | -0.0125 |
| 25.4 (9/2/2021) | 12.4 (6/11/2019) | (25.4 - 12.4)/(35 - 26) | 1.44444 |
| 8.5 (11/23/2021) | 12.4 (6/11/2019) | (8.5 - 12.4)/(36 - 26) | -0.39 |
| 10.2 (1/10/2022) | 12.4 (6/11/2019) | (10.2 - 12.4)/(37 - 26) | -0.2 |
| 9.9 (4/7/2022) | 12.4 (6/11/2019) | (9.9 - 12.4)/(38 - 26) | -0.208333 |
| 5.3 (8/3/2022) | 12.4 (6/11/2019) | (5.3 - 12.4)/(39 - 26) | -0.546154 |
| 7.5 (11/16/2022) | 12.4 (6/11/2019) | (7.5 - 12.4)/(40 - 26) | -0.35 |
| 7.1 (2/13/2023) | 12.4 (6/11/2019) | (7.1 - 12.4)/(41 - 26) | -0.353333 |
| | | | |
| 9.9 (10/28/2019) | 6.5 (8/28/2019) | (9.9 - 6.5)/(28 - 27) | 3.4 |
| 8.4 (3/31/2020) | 6.5 (8/28/2019) | (8.4 - 6.5)/(29 - 27) | 0.95 |
| 10.4 (6/10/2020) | 6.5 (8/28/2019) | (10.4 - 6.5)/(30 - 27) | 1.3 |
| 8.6 (9/21/2020) | 6.5 (8/28/2019) | (8.6 - 6.5)/(31 - 27) | 0.525 |
| 7.4 (12/17/2020) | 6.5 (8/28/2019) | (7.4 - 6.5)/(32 - 27) | 0.18 |
| 31.6 (3/18/2021) | 6.5 (8/28/2019) | (31.6 - 6.5)/(33 - 27) | 4.18333 |
| 12.3 (5/5/2021) | 6.5 (8/28/2019) | (12.3 - 6.5)/(34 - 27) | 0.828571 |
| 25.4 (9/2/2021) | 6.5 (8/28/2019) | (25.4 - 6.5)/(35 - 27) | 2.3625 |
| 8.5 (11/23/2021) | 6.5 (8/28/2019) | (8.5 - 6.5)/(36 - 27) | 0.222222 |
| 10.2 (1/10/2022) | 6.5 (8/28/2019) | (10.2 - 6.5)/(37 - 27) | 0.37 |
| 9.9 (4/7/2022) | 6.5 (8/28/2019) | (9.9 - 6.5)/(38 - 27) | 0.309091 |
| 5.3 (8/3/2022) | 6.5 (8/28/2019) | (5.3 - 6.5)/(39 - 27) | -0.1 |
| 7.5 (11/16/2022) | 6.5 (8/28/2019) | (7.5 - 6.5)/(40 - 27) | 0.0769231 |
| 7.1 (2/13/2023) | 6.5 (8/28/2019) | (7.1 - 6.5)/(41 - 27) | 0.0428571 |
| | | | |
| 8.4 (3/31/2020) | 9.9 (10/28/2019) | (8.4 - 9.9)/(29 - 28) | -1.5 |
| 10.4 (6/10/2020) | 9.9 (10/28/2019) | (10.4 - 9.9)/(30 - 28) | 0.25 |
| 8.6 (9/21/2020) | 9.9 (10/28/2019) | (8.6 - 9.9)/(31 - 28) | -0.433333 |
| 7.4 (12/17/2020) | 9.9 (10/28/2019) | (7.4 - 9.9)/(32 - 28) | -0.625 |
| 31.6 (3/18/2021) | 9.9 (10/28/2019) | (31.6 - 9.9)/(33 - 28) | 4.34 |
| 12.3 (5/5/2021) | 9.9 (10/28/2019) | (12.3 - 9.9)/(34 - 28) | 0.4 |
| 25.4 (9/2/2021) | 9.9 (10/28/2019) | (25.4 - 9.9)/(35 - 28) | 2.21429 |
| 8.5 (11/23/2021) | 9.9 (10/28/2019) | (8.5 - 9.9)/(36 - 28) | -0.175 |
| 10.2 (1/10/2022) | 9.9 (10/28/2019) | (10.2 - 9.9)/(37 - 28) | 0.0333333 |
| 9.9 (4/7/2022) | 9.9 (10/28/2019) | (9.9 - 9.9)/(38 - 28) | 0 |
| 5.3 (8/3/2022) | 9.9 (10/28/2019) | (5.3 - 9.9)/(39 - 28) | -0.418182 |
| 7.5 (11/16/2022) | 9.9 (10/28/2019) | (7.5 - 9.9)/(40 - 28) | -0.2 |
| 7.1 (2/13/2023) | 9.9 (10/28/2019) | (7.1 - 9.9)/(41 - 28) | -0.215385 |
| | | | |
| 10.4 (6/10/2020) | 8.4 (3/31/2020) | (10.4 - 8.4)/(30 - 29) | 2 |
| 8.6 (9/21/2020) | 8.4 (3/31/2020) | (8.6 - 8.4)/(31 - 29) | 0.1 |
| 7.4 (12/17/2020) | 8.4 (3/31/2020) | (7.4 - 8.4)/(32 - 29) | -0.333333 |
| 31.6 (3/18/2021) | 8.4 (3/31/2020) | (31.6 - 8.4)/(33 - 29) | 5.8 |
| 12.3 (5/5/2021) | 8.4 (3/31/2020) | (12.3 - 8.4)/(34 - 29) | 0.78 |
| 25.4 (9/2/2021) | 8.4 (3/31/2020) | (25.4 - 8.4)/(35 - 29) | 2.83333 |
| 8.5 (11/23/2021) | 8.4 (3/31/2020) | (8.5 - 8.4)/(36 - 29) | 0.0142857 |
| 10.2 (1/10/2022) | 8.4 (3/31/2020) | (10.2 - 8.4)/(37 - 29) | 0.225 |
| 9.9 (4/7/2022) | 8.4 (3/31/2020) | (9.9 - 8.4)/(38 - 29) | 0.166667 |
| 5.3 (8/3/2022) | 8.4 (3/31/2020) | (5.3 - 8.4)/(39 - 29) | -0.31 |
| 7.5 (11/16/2022) | 8.4 (3/31/2020) | (7.5 - 8.4)/(40 - 29) | -0.0818182 |
| 7.1 (2/13/2023) | 8.4 (3/31/2020) | (7.1 - 8.4)/(41 - 29) | -0.108333 |
| | | | |
| 8.6 (9/21/2020) | 10.4 (6/10/2020) | (8.6 - 10.4)/(31 - 30) | -1.8 |
| 7.4 (12/17/2020) | 10.4 (6/10/2020) | (7.4 - 10.4)/(32 - 30) | -1.5 |
| 31.6 (3/18/2021) | 10.4 (6/10/2020) | (31.6 - 10.4)/(33 - 30) | 7.06667 |
| 12.3 (5/5/2021) | 10.4 (6/10/2020) | (12.3 - 10.4)/(34 - 30) | 0.475 |
| 25.4 (9/2/2021) | 10.4 (6/10/2020) | (25.4 - 10.4)/(35 - 30) | 3 |
| 8.5 (11/23/2021) | 10.4 (6/10/2020) | (8.5 - 10.4)/(36 - 30) | -0.316667 |

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|---|---|---|---|
| 10.2 (1/10/2022) | 10.4 (6/10/2020) | (10.2 - 10.4)/(37 - 30) | -0.0285714 |
| 9.9 (4/7/2022) | 10.4 (6/10/2020) | (9.9 - 10.4)/(38 - 30) | -0.0625 |
| 5.3 (8/3/2022) | 10.4 (6/10/2020) | (5.3 - 10.4)/(39 - 30) | -0.566667 |
| 7.5 (11/16/2022) | 10.4 (6/10/2020) | (7.5 - 10.4)/(40 - 30) | -0.29 |
| 7.1 (2/13/2023) | 10.4 (6/10/2020) | (7.1 - 10.4)/(41 - 30) | -0.3 |
| | | | |
| 7.4 (12/17/2020) | 8.6 (9/21/2020) | (7.4 - 8.6)/(32 - 31) | -1.2 |
| 31.6 (3/18/2021) | 8.6 (9/21/2020) | (31.6 - 8.6)/(33 - 31) | 11.5 |
| 12.3 (5/5/2021) | 8.6 (9/21/2020) | (12.3 - 8.6)/(34 - 31) | 1.23333 |
| 25.4 (9/2/2021) | 8.6 (9/21/2020) | (25.4 - 8.6)/(35 - 31) | 4.2 |
| 8.5 (11/23/2021) | 8.6 (9/21/2020) | (8.5 - 8.6)/(36 - 31) | -0.02 |
| 10.2 (1/10/2022) | 8.6 (9/21/2020) | (10.2 - 8.6)/(37 - 31) | 0.266667 |
| 9.9 (4/7/2022) | 8.6 (9/21/2020) | (9.9 - 8.6)/(38 - 31) | 0.185714 |
| 5.3 (8/3/2022) | 8.6 (9/21/2020) | (5.3 - 8.6)/(39 - 31) | -0.4125 |
| 7.5 (11/16/2022) | 8.6 (9/21/2020) | (7.5 - 8.6)/(40 - 31) | -0.122222 |
| 7.1 (2/13/2023) | 8.6 (9/21/2020) | (7.1 - 8.6)/(41 - 31) | -0.15 |
| | | | |
| 31.6 (3/18/2021) | 7.4 (12/17/2020) | (31.6 - 7.4)/(33 - 32) | 24.2 |
| 12.3 (5/5/2021) | 7.4 (12/17/2020) | (12.3 - 7.4)/(34 - 32) | 2.45 |
| 25.4 (9/2/2021) | 7.4 (12/17/2020) | (25.4 - 7.4)/(35 - 32) | 6 |
| 8.5 (11/23/2021) | 7.4 (12/17/2020) | (8.5 - 7.4)/(36 - 32) | 0.275 |
| 10.2 (1/10/2022) | 7.4 (12/17/2020) | (10.2 - 7.4)/(37 - 32) | 0.56 |
| 9.9 (4/7/2022) | 7.4 (12/17/2020) | (9.9 - 7.4)/(38 - 32) | 0.416667 |
| 5.3 (8/3/2022) | 7.4 (12/17/2020) | (5.3 - 7.4)/(39 - 32) | -0.3 |
| 7.5 (11/16/2022) | 7.4 (12/17/2020) | (7.5 - 7.4)/(40 - 32) | 0.0125 |
| 7.1 (2/13/2023) | 7.4 (12/17/2020) | (7.1 - 7.4)/(41 - 32) | -0.0333333 |
| | | | |
| 12.3 (5/5/2021) | 31.6 (3/18/2021) | (12.3 - 31.6)/(34 - 33) | -19.3 |
| 25.4 (9/2/2021) | 31.6 (3/18/2021) | (25.4 - 31.6)/(35 - 33) | -3.1 |
| 8.5 (11/23/2021) | 31.6 (3/18/2021) | (8.5 - 31.6)/(36 - 33) | -7.7 |
| 10.2 (1/10/2022) | 31.6 (3/18/2021) | (10.2 - 31.6)/(37 - 33) | -5.35 |
| 9.9 (4/7/2022) | 31.6 (3/18/2021) | (9.9 - 31.6)/(38 - 33) | -4.34 |
| 5.3 (8/3/2022) | 31.6 (3/18/2021) | (5.3 - 31.6)/(39 - 33) | -4.38333 |
| 7.5 (11/16/2022) | 31.6 (3/18/2021) | (7.5 - 31.6)/(40 - 33) | -3.44286 |
| 7.1 (2/13/2023) | 31.6 (3/18/2021) | (7.1 - 31.6)/(41 - 33) | -3.0625 |
| | | | |
| 25.4 (9/2/2021) | 12.3 (5/5/2021) | (25.4 - 12.3)/(35 - 34) | 13.1 |
| 8.5 (11/23/2021) | 12.3 (5/5/2021) | (8.5 - 12.3)/(36 - 34) | -1.9 |
| 10.2 (1/10/2022) | 12.3 (5/5/2021) | (10.2 - 12.3)/(37 - 34) | -0.7 |
| 9.9 (4/7/2022) | 12.3 (5/5/2021) | (9.9 - 12.3)/(38 - 34) | -0.6 |
| 5.3 (8/3/2022) | 12.3 (5/5/2021) | (5.3 - 12.3)/(39 - 34) | -1.4 |
| 7.5 (11/16/2022) | 12.3 (5/5/2021) | (7.5 - 12.3)/(40 - 34) | -0.8 |
| 7.1 (2/13/2023) | 12.3 (5/5/2021) | (7.1 - 12.3)/(41 - 34) | -0.742857 |
| | | | |
| 8.5 (11/23/2021) | 25.4 (9/2/2021) | (8.5 - 25.4)/(36 - 35) | -16.9 |
| 10.2 (1/10/2022) | 25.4 (9/2/2021) | (10.2 - 25.4)/(37 - 35) | -7.6 |
| 9.9 (4/7/2022) | 25.4 (9/2/2021) | (9.9 - 25.4)/(38 - 35) | -5.16667 |
| 5.3 (8/3/2022) | 25.4 (9/2/2021) | (5.3 - 25.4)/(39 - 35) | -5.025 |
| 7.5 (11/16/2022) | 25.4 (9/2/2021) | (7.5 - 25.4)/(40 - 35) | -3.58 |
| 7.1 (2/13/2023) | 25.4 (9/2/2021) | (7.1 - 25.4)/(41 - 35) | -3.05 |
| | | | |
| 10.2 (1/10/2022) | 8.5 (11/23/2021) | (10.2 - 8.5)/(37 - 36) | 1.7 |
| 9.9 (4/7/2022) | 8.5 (11/23/2021) | (9.9 - 8.5)/(38 - 36) | 0.7 |
| 5.3 (8/3/2022) | 8.5 (11/23/2021) | (5.3 - 8.5)/(39 - 36) | -1.06667 |
| 7.5 (11/16/2022) | 8.5 (11/23/2021) | (7.5 - 8.5)/(40 - 36) | -0.25 |
| 7.1 (2/13/2023) | 8.5 (11/23/2021) | (7.1 - 8.5)/(41 - 36) | -0.28 |

| | | | |
|---|---|---|---|
| 9.9 (4/7/2022) | 10.2 (1/10/2022) | (9.9 - 10.2)/(38 - 37) | -0.3 |
| 5.3 (8/3/2022) | 10.2 (1/10/2022) | (5.3 - 10.2)/(39 - 37) | -2.45 |
| 7.5 (11/16/2022) | 10.2 (1/10/2022) | (7.5 - 10.2)/(40 - 37) | -0.9 |
| 7.1 (2/13/2023) | 10.2 (1/10/2022) | (7.1 - 10.2)/(41 - 37) | -0.775 |
| | | | |
| 5.3 (8/3/2022) | 9.9 (4/7/2022) | (5.3 - 9.9)/(39 - 38) | -4.6 |
| 7.5 (11/16/2022) | 9.9 (4/7/2022) | (7.5 - 9.9)/(40 - 38) | -1.2 |
| 7.1 (2/13/2023) | 9.9 (4/7/2022) | (7.1 - 9.9)/(41 - 38) | -0.933333 |
| | | | |
| 7.5 (11/16/2022) | 5.3 (8/3/2022) | (7.5 - 5.3)/(40 - 39) | 2.2 |
| 7.1 (2/13/2023) | 5.3 (8/3/2022) | (7.1 - 5.3)/(41 - 39) | 0.9 |
| | | | |
| 7.1 (2/13/2023) | 7.5 (11/16/2022) | (7.1 - 7.5)/(41 - 40) | -0.4 |

Number of Q values = 820

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -19.3 |
| 2 | -16.9 |
| 3 | -16.1 |
| 4 | -8.1 |
| 5 | -7.8 |
| 6 | -7.7 |
| 7 | -7.6 |
| 8 | -6.15 |
| 9 | -5.9 |
| 10 | -5.35 |
| 11 | -5.16667 |
| 12 | -5.025 |
| 13 | -4.6 |
| 14 | -4.5 |
| 15 | -4.38333 |
| 16 | -4.34 |
| 17 | -3.85 |
| 18 | -3.58 |
| 19 | -3.44286 |
| 20 | -3.36667 |
| 21 | -3.16667 |
| 22 | -3.1 |
| 23 | -3.1 |
| 24 | -3.0625 |
| 25 | -3.05 |
| 26 | -2.85 |
| 27 | -2.8 |
| 28 | -2.53333 |
| 29 | -2.5 |
| 30 | -2.45 |
| 31 | -2.4 |
| 32 | -2.4 |
| 33 | -2.25 |
| 34 | -2.25 |
| 35 | -2.125 |
| 36 | -1.9 |
| 37 | -1.9 |
| 38 | -1.9 |

| | |
|---|---|
| 39 | -1.85 |
| 40 | -1.8 |
| 41 | -1.7 |
| 42 | -1.6625 |
| 43 | -1.64286 |
| 44 | -1.62857 |
| 45 | -1.61111 |
| 46 | -1.61111 |
| 47 | -1.6 |
| 48 | -1.55 |
| 49 | -1.55 |
| 50 | -1.5 |
| 51 | -1.5 |
| 52 | -1.48 |
| 53 | -1.4 |
| 54 | -1.4 |
| 55 | -1.33333 |
| 56 | -1.3 |
| 57 | -1.25 |
| 58 | -1.2 |
| 59 | -1.2 |
| 60 | -1.2 |
| 61 | -1.2 |
| 62 | -1.2 |
| 63 | -1.15 |
| 64 | -1.14545 |
| 65 | -1.11 |
| 66 | -1.1 |
| 67 | -1.075 |
| 68 | -1.06667 |
| 69 | -1.0375 |
| 70 | -1.03077 |
| 71 | -0.98 |
| 72 | -0.971429 |
| 73 | -0.953846 |
| 74 | -0.933333 |
| 75 | -0.933333 |
| 76 | -0.9 |
| 77 | -0.9 |
| 78 | -0.9 |
| 79 | -0.883333 |
| 80 | -0.872727 |
| 81 | -0.85 |
| 82 | -0.847059 |
| 83 | -0.8375 |
| 84 | -0.835714 |
| 85 | -0.833333 |
| 86 | -0.822222 |
| 87 | -0.8 |
| 88 | -0.8 |
| 89 | -0.8 |
| 90 | -0.785714 |
| 91 | -0.775 |
| 92 | -0.76 |
| 93 | -0.747619 |
| 94 | -0.742857 |
| 95 | -0.733333 |

| | |
|---|---|
| 96 | -0.733333 |
| 97 | -0.7 |
| 98 | -0.694444 |
| 99 | -0.65 |
| 100 | -0.64 |
| 101 | -0.633333 |
| 102 | -0.625 |
| 103 | -0.62 |
| 104 | -0.613636 |
| 105 | -0.604348 |
| 106 | -0.6 |
| 107 | -0.6 |
| 108 | -0.568421 |
| 109 | -0.566667 |
| 110 | -0.566667 |
| 111 | -0.566667 |
| 112 | -0.555 |
| 113 | -0.546154 |
| 114 | -0.54375 |
| 115 | -0.54 |
| 116 | -0.533333 |
| 117 | -0.525 |
| 118 | -0.507692 |
| 119 | -0.5 |
| 120 | -0.5 |
| 121 | -0.5 |
| 122 | -0.492308 |
| 123 | -0.48 |
| 124 | -0.48 |
| 125 | -0.457143 |
| 126 | -0.447059 |
| 127 | -0.446154 |
| 128 | -0.433333 |
| 129 | -0.43 |
| 130 | -0.418182 |
| 131 | -0.4125 |
| 132 | -0.4 |
| 133 | -0.4 |
| 134 | -0.4 |
| 135 | -0.4 |
| 136 | -0.396296 |
| 137 | -0.395 |
| 138 | -0.39 |
| 139 | -0.389474 |
| 140 | -0.383333 |
| 141 | -0.383333 |
| 142 | -0.38125 |
| 143 | -0.38 |
| 144 | -0.36875 |
| 145 | -0.366667 |
| 146 | -0.361538 |
| 147 | -0.353333 |
| 148 | -0.352632 |
| 149 | -0.35 |
| 150 | -0.333333 |
| 151 | -0.325 |
| 152 | -0.325 |

| | |
|---|---|
| 153 | -0.318182 |
| 154 | -0.316667 |
| 155 | -0.316667 |
| 156 | -0.314286 |
| 157 | -0.3125 |
| 158 | -0.3125 |
| 159 | -0.311111 |
| 160 | -0.311111 |
| 161 | -0.31 |
| 162 | -0.309091 |
| 163 | -0.307143 |
| 164 | -0.306897 |
| 165 | -0.303571 |
| 166 | -0.3 |
| 167 | -0.3 |
| 168 | -0.3 |
| 169 | -0.3 |
| 170 | -0.29 |
| 171 | -0.2875 |
| 172 | -0.28 |
| 173 | -0.277273 |
| 174 | -0.276471 |
| 175 | -0.271429 |
| 176 | -0.2625 |
| 177 | -0.26 |
| 178 | -0.257143 |
| 179 | -0.254545 |
| 180 | -0.254545 |
| 181 | -0.253571 |
| 182 | -0.252941 |
| 183 | -0.25 |
| 184 | -0.25 |
| 185 | -0.25 |
| 186 | -0.238095 |
| 187 | -0.236 |
| 188 | -0.234615 |
| 189 | -0.233333 |
| 190 | -0.232 |
| 191 | -0.23 |
| 192 | -0.225 |
| 193 | -0.222222 |
| 194 | -0.22 |
| 195 | -0.21875 |
| 196 | -0.215385 |
| 197 | -0.2125 |
| 198 | -0.211111 |
| 199 | -0.208333 |
| 200 | -0.208333 |
| 201 | -0.2 |
| 202 | -0.2 |
| 203 | -0.2 |
| 204 | -0.2 |
| 205 | -0.2 |
| 206 | -0.190909 |
| 207 | -0.19 |
| 208 | -0.19 |
| 209 | -0.186667 |

| | |
|---|---|
| 210 | -0.178947 |
| 211 | -0.176667 |
| 212 | -0.175 |
| 213 | -0.173684 |
| 214 | -0.173684 |
| 215 | -0.171429 |
| 216 | -0.170588 |
| 217 | -0.168966 |
| 218 | -0.168182 |
| 219 | -0.168182 |
| 220 | -0.166667 |
| 221 | -0.166667 |
| 222 | -0.16 |
| 223 | -0.16 |
| 224 | -0.16 |
| 225 | -0.157143 |
| 226 | -0.15625 |
| 227 | -0.156 |
| 228 | -0.152941 |
| 229 | -0.151852 |
| 230 | -0.15 |
| 231 | -0.15 |
| 232 | -0.15 |
| 233 | -0.147059 |
| 234 | -0.145455 |
| 235 | -0.145161 |
| 236 | -0.142857 |
| 237 | -0.142308 |
| 238 | -0.14 |
| 239 | -0.14 |
| 240 | -0.135714 |
| 241 | -0.133333 |
| 242 | -0.131579 |
| 243 | -0.123077 |
| 244 | -0.122727 |
| 245 | -0.122222 |
| 246 | -0.116667 |
| 247 | -0.116667 |
| 248 | -0.114286 |
| 249 | -0.113636 |
| 250 | -0.112 |
| 251 | -0.111111 |
| 252 | -0.108333 |
| 253 | -0.106667 |
| 254 | -0.10625 |
| 255 | -0.105882 |
| 256 | -0.105263 |
| 257 | -0.1 |
| 258 | -0.1 |
| 259 | -0.1 |
| 260 | -0.1 |
| 261 | -0.1 |
| 262 | -0.1 |
| 263 | -0.1 |
| 264 | -0.1 |
| 265 | -0.0966667 |
| 266 | -0.0956522 |

| | |
|---|---|
| 267 | -0.0944444 |
| 268 | -0.0942857 |
| 269 | -0.0931034 |
| 270 | -0.0928571 |
| 271 | -0.0925926 |
| 272 | -0.0916667 |
| 273 | -0.0913043 |
| 274 | -0.0909091 |
| 275 | -0.0888889 |
| 276 | -0.0882353 |
| 277 | -0.0857143 |
| 278 | -0.0846154 |
| 279 | -0.0833333 |
| 280 | -0.0818182 |
| 281 | -0.0818182 |
| 282 | -0.0810811 |
| 283 | -0.08 |
| 284 | -0.0791667 |
| 285 | -0.0785714 |
| 286 | -0.0777778 |
| 287 | -0.075 |
| 288 | -0.075 |
| 289 | -0.072 |
| 290 | -0.071875 |
| 291 | -0.0705882 |
| 292 | -0.07 |
| 293 | -0.0666667 |
| 294 | -0.0666667 |
| 295 | -0.0652174 |
| 296 | -0.0625 |
| 297 | -0.06 |
| 298 | -0.0588235 |
| 299 | -0.0571429 |
| 300 | -0.0555556 |
| 301 | -0.0541667 |
| 302 | -0.053125 |
| 303 | -0.0521739 |
| 304 | -0.0515152 |
| 305 | -0.05 |
| 306 | -0.05 |
| 307 | -0.0464286 |
| 308 | -0.0444444 |
| 309 | -0.04375 |
| 310 | -0.0434783 |
| 311 | -0.0428571 |
| 312 | -0.0428571 |
| 313 | -0.0405405 |
| 314 | -0.0375 |
| 315 | -0.0363636 |
| 316 | -0.0347826 |
| 317 | -0.034375 |
| 318 | -0.0333333 |
| 319 | -0.0333333 |
| 320 | -0.0333333 |
| 321 | -0.0307692 |
| 322 | -0.0307692 |
| 323 | -0.0305556 |

| | |
|---|---|
| 324 | -0.03 |
| 325 | -0.0290323 |
| 326 | -0.0285714 |
| 327 | -0.0285714 |
| 328 | -0.0285714 |
| 329 | -0.0272727 |
| 330 | -0.0263158 |
| 331 | -0.0263158 |
| 332 | -0.025 |
| 333 | -0.0238095 |
| 334 | -0.0225806 |
| 335 | -0.0210526 |
| 336 | -0.02 |
| 337 | -0.0173913 |
| 338 | -0.0166667 |
| 339 | -0.016 |
| 340 | -0.0148148 |
| 341 | -0.0142857 |
| 342 | -0.0142857 |
| 343 | -0.0138889 |
| 344 | -0.0131579 |
| 345 | -0.0125 |
| 346 | -0.0117647 |
| 347 | -0.008 |
| 348 | -0.00625 |
| 349 | -0.00588235 |
| 350 | -0.00454545 |
| 351 | -0.00434783 |
| 352 | -0.003125 |
| 353 | 0 |
| 354 | 0 |
| 355 | 0 |
| 356 | 0 |
| 357 | 0 |
| 358 | 0 |
| 359 | 0 |
| 360 | 0 |
| 361 | 0 |
| 362 | 0.00285714 |
| 363 | 0.00294118 |
| 364 | 0.00333333 |
| 365 | 0.0037037 |
| 366 | 0.005 |
| 367 | 0.00588235 |
| 368 | 0.00666667 |
| 369 | 0.01 |
| 370 | 0.0103448 |
| 371 | 0.0111111 |
| 372 | 0.0125 |
| 373 | 0.0137931 |
| 374 | 0.0142857 |
| 375 | 0.0147059 |
| 376 | 0.0151515 |
| 377 | 0.0153846 |
| 378 | 0.0157895 |
| 379 | 0.016 |
| 380 | 0.0181818 |

| | |
|---|---|
| 381 | 0.01875 |
| 382 | 0.0192308 |
| 383 | 0.0210526 |
| 384 | 0.0214286 |
| 385 | 0.0230769 |
| 386 | 0.026087 |
| 387 | 0.0269231 |
| 388 | 0.0272727 |
| 389 | 0.0285714 |
| 390 | 0.0291667 |
| 391 | 0.0307692 |
| 392 | 0.03125 |
| 393 | 0.0325 |
| 394 | 0.0333333 |
| 395 | 0.0342105 |
| 396 | 0.0382353 |
| 397 | 0.0388889 |
| 398 | 0.04 |
| 399 | 0.0428571 |
| 400 | 0.0428571 |
| 401 | 0.0435897 |
| 402 | 0.0444444 |
| 403 | 0.0444444 |
| 404 | 0.0454545 |
| 405 | 0.0459459 |
| 406 | 0.0466667 |
| 407 | 0.047619 |
| 408 | 0.0484848 |
| 409 | 0.05 |
| 410 | 0.05 |
| 411 | 0.05 |
| 412 | 0.05 |
| 413 | 0.05 |
| 414 | 0.0516129 |
| 415 | 0.0517241 |
| 416 | 0.0541667 |
| 417 | 0.0542857 |
| 418 | 0.055 |
| 419 | 0.0551724 |
| 420 | 0.0555556 |
| 421 | 0.0555556 |
| 422 | 0.0565217 |
| 423 | 0.0571429 |
| 424 | 0.0586207 |
| 425 | 0.06 |
| 426 | 0.0608696 |
| 427 | 0.0615385 |
| 428 | 0.0636364 |
| 429 | 0.064 |
| 430 | 0.065 |
| 431 | 0.0666667 |
| 432 | 0.0666667 |
| 433 | 0.0678571 |
| 434 | 0.0692308 |
| 435 | 0.0692308 |
| 436 | 0.0703704 |
| 437 | 0.0714286 |

| | |
|---|---|
| 438 | 0.0714286 |
| 439 | 0.0733333 |
| 440 | 0.075 |
| 441 | 0.075 |
| 442 | 0.0764706 |
| 443 | 0.0769231 |
| 444 | 0.0771429 |
| 445 | 0.08 |
| 446 | 0.0814815 |
| 447 | 0.0818182 |
| 448 | 0.0818182 |
| 449 | 0.0846154 |
| 450 | 0.0875 |
| 451 | 0.0894737 |
| 452 | 0.090625 |
| 453 | 0.0928571 |
| 454 | 0.0933333 |
| 455 | 0.0935484 |
| 456 | 0.0958333 |
| 457 | 0.0961538 |
| 458 | 0.0967742 |
| 459 | 0.1 |
| 460 | 0.1 |
| 461 | 0.1 |
| 462 | 0.1 |
| 463 | 0.1 |
| 464 | 0.1 |
| 465 | 0.1 |
| 466 | 0.1 |
| 467 | 0.1 |
| 468 | 0.103226 |
| 469 | 0.104762 |
| 470 | 0.105263 |
| 471 | 0.105556 |
| 472 | 0.10625 |
| 473 | 0.106667 |
| 474 | 0.106667 |
| 475 | 0.107692 |
| 476 | 0.107692 |
| 477 | 0.107692 |
| 478 | 0.109091 |
| 479 | 0.110811 |
| 480 | 0.113333 |
| 481 | 0.117143 |
| 482 | 0.119231 |
| 483 | 0.12 |
| 484 | 0.12 |
| 485 | 0.120833 |
| 486 | 0.122222 |
| 487 | 0.123333 |
| 488 | 0.125 |
| 489 | 0.128571 |
| 490 | 0.128571 |
| 491 | 0.129412 |
| 492 | 0.130769 |
| 493 | 0.131818 |
| 494 | 0.133333 |

| | |
|---|---|
| 495 | 0.133333 |
| 496 | 0.133333 |
| 497 | 0.133333 |
| 498 | 0.135294 |
| 499 | 0.136842 |
| 500 | 0.136842 |
| 501 | 0.138095 |
| 502 | 0.141667 |
| 503 | 0.141667 |
| 504 | 0.142857 |
| 505 | 0.144444 |
| 506 | 0.144444 |
| 507 | 0.146875 |
| 508 | 0.147059 |
| 509 | 0.147826 |
| 510 | 0.15 |
| 511 | 0.15 |
| 512 | 0.151852 |
| 513 | 0.153846 |
| 514 | 0.154545 |
| 515 | 0.158333 |
| 516 | 0.158621 |
| 517 | 0.16 |
| 518 | 0.1625 |
| 519 | 0.164 |
| 520 | 0.164 |
| 521 | 0.166667 |
| 522 | 0.17037 |
| 523 | 0.170833 |
| 524 | 0.172727 |
| 525 | 0.172727 |
| 526 | 0.173333 |
| 527 | 0.175 |
| 528 | 0.179167 |
| 529 | 0.18 |
| 530 | 0.18 |
| 531 | 0.180952 |
| 532 | 0.181818 |
| 533 | 0.181818 |
| 534 | 0.183333 |
| 535 | 0.185714 |
| 536 | 0.188889 |
| 537 | 0.189286 |
| 538 | 0.190909 |
| 539 | 0.191304 |
| 540 | 0.194118 |
| 541 | 0.196 |
| 542 | 0.196296 |
| 543 | 0.19697 |
| 544 | 0.2 |
| 545 | 0.2 |
| 546 | 0.2 |
| 547 | 0.2 |
| 548 | 0.2 |
| 549 | 0.2 |
| 550 | 0.205 |
| 551 | 0.205556 |

| | |
|---|---|
| 552 | 0.207143 |
| 553 | 0.209524 |
| 554 | 0.209677 |
| 555 | 0.21 |
| 556 | 0.2125 |
| 557 | 0.222222 |
| 558 | 0.225 |
| 559 | 0.225 |
| 560 | 0.225 |
| 561 | 0.225 |
| 562 | 0.228571 |
| 563 | 0.233333 |
| 564 | 0.233333 |
| 565 | 0.233333 |
| 566 | 0.234483 |
| 567 | 0.24 |
| 568 | 0.241176 |
| 569 | 0.241667 |
| 570 | 0.244444 |
| 571 | 0.247059 |
| 572 | 0.25 |
| 573 | 0.25 |
| 574 | 0.25 |
| 575 | 0.255 |
| 576 | 0.258824 |
| 577 | 0.26 |
| 578 | 0.26 |
| 579 | 0.263636 |
| 580 | 0.264 |
| 581 | 0.266667 |
| 582 | 0.266667 |
| 583 | 0.27 |
| 584 | 0.275 |
| 585 | 0.275 |
| 586 | 0.275 |
| 587 | 0.278571 |
| 588 | 0.283333 |
| 589 | 0.284211 |
| 590 | 0.286957 |
| 591 | 0.288235 |
| 592 | 0.291667 |
| 593 | 0.291667 |
| 594 | 0.292857 |
| 595 | 0.3 |
| 596 | 0.3 |
| 597 | 0.3 |
| 598 | 0.3 |
| 599 | 0.3 |
| 600 | 0.3 |
| 601 | 0.306667 |
| 602 | 0.309091 |
| 603 | 0.309091 |
| 604 | 0.314286 |
| 605 | 0.321429 |
| 606 | 0.326316 |
| 607 | 0.328571 |
| 608 | 0.333333 |

| | |
|---|---|
| 609 | 0.3375 |
| 610 | 0.338462 |
| 611 | 0.34 |
| 612 | 0.345455 |
| 613 | 0.346154 |
| 614 | 0.35 |
| 615 | 0.35 |
| 616 | 0.357143 |
| 617 | 0.364706 |
| 618 | 0.366667 |
| 619 | 0.37 |
| 620 | 0.375 |
| 621 | 0.375 |
| 622 | 0.377778 |
| 623 | 0.384615 |
| 624 | 0.4 |
| 625 | 0.4 |
| 626 | 0.4 |
| 627 | 0.4 |
| 628 | 0.4 |
| 629 | 0.4 |
| 630 | 0.4 |
| 631 | 0.408696 |
| 632 | 0.411111 |
| 633 | 0.4125 |
| 634 | 0.415385 |
| 635 | 0.416667 |
| 636 | 0.433333 |
| 637 | 0.455556 |
| 638 | 0.46 |
| 639 | 0.4625 |
| 640 | 0.475 |
| 641 | 0.475 |
| 642 | 0.476923 |
| 643 | 0.48 |
| 644 | 0.49 |
| 645 | 0.490909 |
| 646 | 0.5 |
| 647 | 0.5 |
| 648 | 0.516667 |
| 649 | 0.518182 |
| 650 | 0.52 |
| 651 | 0.525 |
| 652 | 0.525 |
| 653 | 0.536364 |
| 654 | 0.541667 |
| 655 | 0.541935 |
| 656 | 0.542857 |
| 657 | 0.55 |
| 658 | 0.56 |
| 659 | 0.571429 |
| 660 | 0.576471 |
| 661 | 0.577778 |
| 662 | 0.577778 |
| 663 | 0.585714 |
| 664 | 0.6 |
| 665 | 0.6 |

| | |
|---|---|
| 666 | 0.6 |
| 667 | 0.6125 |
| 668 | 0.633333 |
| 669 | 0.634483 |
| 670 | 0.647619 |
| 671 | 0.65 |
| 672 | 0.657143 |
| 673 | 0.66 |
| 674 | 0.661538 |
| 675 | 0.663333 |
| 676 | 0.675 |
| 677 | 0.67619 |
| 678 | 0.68 |
| 679 | 0.696 |
| 680 | 0.7 |
| 681 | 0.7 |
| 682 | 0.7 |
| 683 | 0.706667 |
| 684 | 0.725 |
| 685 | 0.731818 |
| 686 | 0.742857 |
| 687 | 0.75 |
| 688 | 0.751613 |
| 689 | 0.755 |
| 690 | 0.7625 |
| 691 | 0.766667 |
| 692 | 0.77 |
| 693 | 0.78 |
| 694 | 0.791667 |
| 695 | 0.793103 |
| 696 | 0.79375 |
| 697 | 0.795455 |
| 698 | 0.8 |
| 699 | 0.8 |
| 700 | 0.805 |
| 701 | 0.80625 |
| 702 | 0.806667 |
| 703 | 0.825 |
| 704 | 0.828571 |
| 705 | 0.833333 |
| 706 | 0.86 |
| 707 | 0.866667 |
| 708 | 0.872 |
| 709 | 0.872727 |
| 710 | 0.876471 |
| 711 | 0.883333 |
| 712 | 0.885714 |
| 713 | 0.893333 |
| 714 | 0.894118 |
| 715 | 0.9 |
| 716 | 0.911111 |
| 717 | 0.911111 |
| 718 | 0.911111 |
| 719 | 0.925 |
| 720 | 0.927273 |
| 721 | 0.93125 |
| 722 | 0.932143 |

| | |
|---|---|
| 723 | 0.933333 |
| 724 | 0.942105 |
| 725 | 0.946154 |
| 726 | 0.95 |
| 727 | 0.97 |
| 728 | 0.975 |
| 729 | 0.978571 |
| 730 | 1 |
| 731 | 1.01333 |
| 732 | 1.025 |
| 733 | 1.02609 |
| 734 | 1.03571 |
| 735 | 1.06923 |
| 736 | 1.07368 |
| 737 | 1.08 |
| 738 | 1.12 |
| 739 | 1.125 |
| 740 | 1.13333 |
| 741 | 1.15 |
| 742 | 1.16667 |
| 743 | 1.18333 |
| 744 | 1.185 |
| 745 | 1.18889 |
| 746 | 1.19231 |
| 747 | 1.2 |
| 748 | 1.21538 |
| 749 | 1.22857 |
| 750 | 1.23333 |
| 751 | 1.27273 |
| 752 | 1.3 |
| 753 | 1.31429 |
| 754 | 1.35 |
| 755 | 1.4 |
| 756 | 1.4 |
| 757 | 1.4125 |
| 758 | 1.41765 |
| 759 | 1.42222 |
| 760 | 1.43333 |
| 761 | 1.44444 |
| 762 | 1.45 |
| 763 | 1.5 |
| 764 | 1.5 |
| 765 | 1.5 |
| 766 | 1.5 |
| 767 | 1.50769 |
| 768 | 1.55 |
| 769 | 1.58 |
| 770 | 1.625 |
| 771 | 1.7 |
| 772 | 1.725 |
| 773 | 1.78182 |
| 774 | 1.8 |
| 775 | 1.9 |
| 776 | 2 |
| 777 | 2 |
| 778 | 2.05714 |
| 779 | 2.1 |

| | |
|---|---|
| 780 | 2.1 |
| 781 | 2.15 |
| 782 | 2.175 |
| 783 | 2.2 |
| 784 | 2.21429 |
| 785 | 2.3625 |
| 786 | 2.45 |
| 787 | 2.45 |
| 788 | 2.5 |
| 789 | 2.6 |
| 790 | 2.62 |
| 791 | 2.74286 |
| 792 | 2.75 |
| 793 | 2.8 |
| 794 | 2.8 |
| 795 | 2.8 |
| 796 | 2.83333 |
| 797 | 2.86667 |
| 798 | 3 |
| 799 | 3.3 |
| 800 | 3.3 |
| 801 | 3.3 |
| 802 | 3.4 |
| 803 | 3.56667 |
| 804 | 3.6 |
| 805 | 3.8 |
| 806 | 4 |
| 807 | 4.18333 |
| 808 | 4.2 |
| 809 | 4.34 |
| 810 | 4.4 |
| 811 | 5.5 |
| 812 | 5.8 |
| 813 | 6 |
| 814 | 6.75 |
| 815 | 7.06667 |
| 816 | 11.5 |
| 817 | 12 |
| 818 | 12.3 |
| 819 | 13.1 |
| 820 | 24.2 |

Sen's Estimator (Median Q) is 0.05

| Tied Group | Value | Members |
|---|---|---|
| 1 | 5.8 | 3 |
| 2 | 8.6 | 2 |
| 3 | 7 | 2 |
| 4 | 12.4 | 2 |
| 5 | 7.5 | 2 |
| 6 | 9.6 | 2 |
| 7 | 9.9 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |

| | |
|---|---|
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |

There are 0 time periods with multiple data

---

A = 174
B = 0
C = 6
D = 0
E = 18
F = 0
a = 142680
b = 575640
c = 3280
Group Variance = 7917
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 146.355
M1 = (820 - 146.355)/2.0 = 336.823
M2 = (820 + 146.355)/2.0 + 1 = 484.177
Lower limit is -0.0173913 = Q(337)
Upper limit is 0.12 = Q(484)
-0.0173913 < 0 < 0.12 indicating no trend in data.

## Sen's Slope Analysis

### Parameter: Total Suspended Solids

### Location: HB 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 17 (5/20/2013) | 49 (3/12/2013) | (17 - 49)/(2 - 1) | -32 |
| 19 (9/23/2013) | 49 (3/12/2013) | (19 - 49)/(3 - 1) | -15 |
| 20 (12/10/2013) | 49 (3/12/2013) | (20 - 49)/(4 - 1) | -9.66667 |
| 13 (2/6/2014) | 49 (3/12/2013) | (13 - 49)/(5 - 1) | -9 |
| 12 (6/26/2014) | 49 (3/12/2013) | (12 - 49)/(6 - 1) | -7.4 |
| 30 (9/30/2014) | 49 (3/12/2013) | (30 - 49)/(7 - 1) | -3.16667 |
| 51 (11/19/2014) | 49 (3/12/2013) | (51 - 49)/(8 - 1) | 0.285714 |
| 35 (3/23/2015) | 49 (3/12/2013) | (35 - 49)/(9 - 1) | -1.75 |
| 22 (4/22/2015) | 49 (3/12/2013) | (22 - 49)/(10 - 1) | -3 |
| 23 (9/30/2015) | 49 (3/12/2013) | (23 - 49)/(11 - 1) | -2.6 |
| 30.2 (11/19/2015) | 49 (3/12/2013) | (30.2 - 49)/(12 - 1) | -1.70909 |
| 23.8 (3/15/2016) | 49 (3/12/2013) | (23.8 - 49)/(13 - 1) | -2.1 |
| 20.9 (6/29/2016) | 49 (3/12/2013) | (20.9 - 49)/(14 - 1) | -2.16154 |
| 14.3 (8/9/2016) | 49 (3/12/2013) | (14.3 - 49)/(15 - 1) | -2.47857 |
| 17 (12/7/2016) | 49 (3/12/2013) | (17 - 49)/(16 - 1) | -2.13333 |
| 57.1 (3/2/2017) | 49 (3/12/2013) | (57.1 - 49)/(17 - 1) | 0.50625 |
| 28.5 (7/5/2017) | 49 (3/12/2013) | (28.5 - 49)/(18 - 1) | -1.20588 |
| 12.7 (8/16/2017) | 49 (3/12/2013) | (12.7 - 49)/(19 - 1) | -2.01667 |
| 20.4 (10/25/2017) | 49 (3/12/2013) | (20.4 - 49)/(20 - 1) | -1.50526 |
| 20.2 (3/28/2018) | 49 (3/12/2013) | (20.2 - 49)/(21 - 1) | -1.44 |
| 18.2 (6/29/2018) | 49 (3/12/2013) | (18.2 - 49)/(22 - 1) | -1.46667 |
| 35.3 (8/2/2018) | 49 (3/12/2013) | (35.3 - 49)/(23 - 1) | -0.622727 |
| 27.6 (12/10/2018) | 49 (3/12/2013) | (27.6 - 49)/(24 - 1) | -0.930435 |
| 35.5 (4/15/2019) | 49 (3/12/2013) | (35.5 - 49)/(25 - 1) | -0.5625 |
| 52.3 (6/12/2019) | 49 (3/12/2013) | (52.3 - 49)/(26 - 1) | 0.132 |
| 7.3 (8/27/2019) | 49 (3/12/2013) | (7.3 - 49)/(27 - 1) | -1.60385 |
| 17.6 (10/29/2019) | 49 (3/12/2013) | (17.6 - 49)/(28 - 1) | -1.16296 |
| 19 (3/30/2020) | 49 (3/12/2013) | (19 - 49)/(29 - 1) | -1.07143 |
| 14.6 (6/16/2020) | 49 (3/12/2013) | (14.6 - 49)/(30 - 1) | -1.18621 |
| 8.3 (9/21/2020) | 49 (3/12/2013) | (8.3 - 49)/(31 - 1) | -1.35667 |
| 20.4 (12/17/2020) | 49 (3/12/2013) | (20.4 - 49)/(32 - 1) | -0.922581 |
| 23 (3/18/2021) | 49 (3/12/2013) | (23 - 49)/(33 - 1) | -0.8125 |
| 35.1 (5/5/2021) | 49 (3/12/2013) | (35.1 - 49)/(34 - 1) | -0.421212 |
| 23.6 (9/2/2021) | 49 (3/12/2013) | (23.6 - 49)/(35 - 1) | -0.747059 |
| 10.5 (11/23/2021) | 49 (3/12/2013) | (10.5 - 49)/(36 - 1) | -1.1 |
| 23.6 (1/11/2022) | 49 (3/12/2013) | (23.6 - 49)/(37 - 1) | -0.705556 |
| 21 (4/7/2022) | 49 (3/12/2013) | (21 - 49)/(38 - 1) | -0.756757 |
| 33.7 (8/2/2022) | 49 (3/12/2013) | (33.7 - 49)/(39 - 1) | -0.402632 |
| 7.4 (11/16/2022) | 49 (3/12/2013) | (7.4 - 49)/(40 - 1) | -1.06667 |
| 11.6 (2/14/2023) | 49 (3/12/2013) | (11.6 - 49)/(41 - 1) | -0.935 |
| 21.7 (5/25/2023) | 49 (3/12/2013) | (21.7 - 49)/(42 - 1) | -0.665854 |
| 6.8 (8/7/2023) | 49 (3/12/2013) | (6.8 - 49)/(43 - 1) | -1.00476 |
| 36.8 (12/12/2023) | 49 (3/12/2013) | (36.8 - 49)/(44 - 1) | -0.283721 |
| 31.7 (1/10/2024) | 49 (3/12/2013) | (31.7 - 49)/(45 - 1) | -0.393182 |
| 28.6 (5/21/2024) | 49 (3/12/2013) | (28.6 - 49)/(46 - 1) | -0.453333 |
| 12.2 (9/16/2024) | 49 (3/12/2013) | (12.2 - 49)/(47 - 1) | -0.8 |
| 30 (12/11/2024) | 49 (3/12/2013) | (30 - 49)/(48 - 1) | -0.404255 |
| 45.7 (2/18/2025) | 49 (3/12/2013) | (45.7 - 49)/(49 - 1) | -0.06875 |

| | | | |
|---|---|---|---|
| 19 (9/23/2013) | 17 (5/20/2013) | (19 - 17)/(3 - 2) | 2 |
| 20 (12/10/2013) | 17 (5/20/2013) | (20 - 17)/(4 - 2) | 1.5 |
| 13 (2/6/2014) | 17 (5/20/2013) | (13 - 17)/(5 - 2) | -1.33333 |
| 12 (6/26/2014) | 17 (5/20/2013) | (12 - 17)/(6 - 2) | -1.25 |
| 30 (9/30/2014) | 17 (5/20/2013) | (30 - 17)/(7 - 2) | 2.6 |
| 51 (11/19/2014) | 17 (5/20/2013) | (51 - 17)/(8 - 2) | 5.66667 |
| 35 (3/23/2015) | 17 (5/20/2013) | (35 - 17)/(9 - 2) | 2.57143 |
| 22 (4/22/2015) | 17 (5/20/2013) | (22 - 17)/(10 - 2) | 0.625 |
| 23 (9/30/2015) | 17 (5/20/2013) | (23 - 17)/(11 - 2) | 0.666667 |
| 30.2 (11/19/2015) | 17 (5/20/2013) | (30.2 - 17)/(12 - 2) | 1.32 |
| 23.8 (3/15/2016) | 17 (5/20/2013) | (23.8 - 17)/(13 - 2) | 0.618182 |
| 20.9 (6/29/2016) | 17 (5/20/2013) | (20.9 - 17)/(14 - 2) | 0.325 |
| 14.3 (8/9/2016) | 17 (5/20/2013) | (14.3 - 17)/(15 - 2) | -0.207692 |
| 17 (12/7/2016) | 17 (5/20/2013) | (17 - 17)/(16 - 2) | 0 |
| 57.1 (3/2/2017) | 17 (5/20/2013) | (57.1 - 17)/(17 - 2) | 2.67333 |
| 28.5 (7/5/2017) | 17 (5/20/2013) | (28.5 - 17)/(18 - 2) | 0.71875 |
| 12.7 (8/16/2017) | 17 (5/20/2013) | (12.7 - 17)/(19 - 2) | -0.252941 |
| 20.4 (10/25/2017) | 17 (5/20/2013) | (20.4 - 17)/(20 - 2) | 0.188889 |
| 20.2 (3/28/2018) | 17 (5/20/2013) | (20.2 - 17)/(21 - 2) | 0.168421 |
| 18.2 (6/29/2018) | 17 (5/20/2013) | (18.2 - 17)/(22 - 2) | 0.06 |
| 35.3 (8/2/2018) | 17 (5/20/2013) | (35.3 - 17)/(23 - 2) | 0.871429 |
| 27.6 (12/10/2018) | 17 (5/20/2013) | (27.6 - 17)/(24 - 2) | 0.481818 |
| 35.5 (4/15/2019) | 17 (5/20/2013) | (35.5 - 17)/(25 - 2) | 0.804348 |
| 52.3 (6/12/2019) | 17 (5/20/2013) | (52.3 - 17)/(26 - 2) | 1.47083 |
| 7.3 (8/27/2019) | 17 (5/20/2013) | (7.3 - 17)/(27 - 2) | -0.388 |
| 17.6 (10/29/2019) | 17 (5/20/2013) | (17.6 - 17)/(28 - 2) | 0.0230769 |
| 19 (3/30/2020) | 17 (5/20/2013) | (19 - 17)/(29 - 2) | 0.0740741 |
| 14.6 (6/16/2020) | 17 (5/20/2013) | (14.6 - 17)/(30 - 2) | -0.0857143 |
| 8.3 (9/21/2020) | 17 (5/20/2013) | (8.3 - 17)/(31 - 2) | -0.3 |
| 20.4 (12/17/2020) | 17 (5/20/2013) | (20.4 - 17)/(32 - 2) | 0.113333 |
| 23 (3/18/2021) | 17 (5/20/2013) | (23 - 17)/(33 - 2) | 0.193548 |
| 35.1 (5/5/2021) | 17 (5/20/2013) | (35.1 - 17)/(34 - 2) | 0.565625 |
| 23.6 (9/2/2021) | 17 (5/20/2013) | (23.6 - 17)/(35 - 2) | 0.2 |
| 10.5 (11/23/2021) | 17 (5/20/2013) | (10.5 - 17)/(36 - 2) | -0.191176 |
| 23.6 (1/11/2022) | 17 (5/20/2013) | (23.6 - 17)/(37 - 2) | 0.188571 |
| 21 (4/7/2022) | 17 (5/20/2013) | (21 - 17)/(38 - 2) | 0.111111 |
| 33.7 (8/2/2022) | 17 (5/20/2013) | (33.7 - 17)/(39 - 2) | 0.451351 |
| 7.4 (11/16/2022) | 17 (5/20/2013) | (7.4 - 17)/(40 - 2) | -0.252632 |
| 11.6 (2/14/2023) | 17 (5/20/2013) | (11.6 - 17)/(41 - 2) | -0.138462 |
| 21.7 (5/25/2023) | 17 (5/20/2013) | (21.7 - 17)/(42 - 2) | 0.1175 |
| 6.8 (8/7/2023) | 17 (5/20/2013) | (6.8 - 17)/(43 - 2) | -0.24878 |
| 36.8 (12/12/2023) | 17 (5/20/2013) | (36.8 - 17)/(44 - 2) | 0.471429 |
| 31.7 (1/10/2024) | 17 (5/20/2013) | (31.7 - 17)/(45 - 2) | 0.34186 |
| 28.6 (5/21/2024) | 17 (5/20/2013) | (28.6 - 17)/(46 - 2) | 0.263636 |
| 12.2 (9/16/2024) | 17 (5/20/2013) | (12.2 - 17)/(47 - 2) | -0.106667 |
| 30 (12/11/2024) | 17 (5/20/2013) | (30 - 17)/(48 - 2) | 0.282609 |
| 45.7 (2/18/2025) | 17 (5/20/2013) | (45.7 - 17)/(49 - 2) | 0.610638 |
| | | | |
| 20 (12/10/2013) | 19 (9/23/2013) | (20 - 19)/(4 - 3) | 1 |
| 13 (2/6/2014) | 19 (9/23/2013) | (13 - 19)/(5 - 3) | -3 |
| 12 (6/26/2014) | 19 (9/23/2013) | (12 - 19)/(6 - 3) | -2.33333 |
| 30 (9/30/2014) | 19 (9/23/2013) | (30 - 19)/(7 - 3) | 2.75 |
| 51 (11/19/2014) | 19 (9/23/2013) | (51 - 19)/(8 - 3) | 6.4 |
| 35 (3/23/2015) | 19 (9/23/2013) | (35 - 19)/(9 - 3) | 2.66667 |
| 22 (4/22/2015) | 19 (9/23/2013) | (22 - 19)/(10 - 3) | 0.428571 |
| 23 (9/30/2015) | 19 (9/23/2013) | (23 - 19)/(11 - 3) | 0.5 |

| | | | |
|---|---|---|---|
| 30.2 (11/19/2015) | 19 (9/23/2013) | (30.2 - 19)/(12 - 3) | 1.24444 |
| 23.8 (3/15/2016) | 19 (9/23/2013) | (23.8 - 19)/(13 - 3) | 0.48 |
| 20.9 (6/29/2016) | 19 (9/23/2013) | (20.9 - 19)/(14 - 3) | 0.172727 |
| 14.3 (8/9/2016) | 19 (9/23/2013) | (14.3 - 19)/(15 - 3) | -0.391667 |
| 17 (12/7/2016) | 19 (9/23/2013) | (17 - 19)/(16 - 3) | -0.153846 |
| 57.1 (3/2/2017) | 19 (9/23/2013) | (57.1 - 19)/(17 - 3) | 2.72143 |
| 28.5 (7/5/2017) | 19 (9/23/2013) | (28.5 - 19)/(18 - 3) | 0.633333 |
| 12.7 (8/16/2017) | 19 (9/23/2013) | (12.7 - 19)/(19 - 3) | -0.39375 |
| 20.4 (10/25/2017) | 19 (9/23/2013) | (20.4 - 19)/(20 - 3) | 0.0823529 |
| 20.2 (3/28/2018) | 19 (9/23/2013) | (20.2 - 19)/(21 - 3) | 0.0666667 |
| 18.2 (6/29/2018) | 19 (9/23/2013) | (18.2 - 19)/(22 - 3) | -0.0421053 |
| 35.3 (8/2/2018) | 19 (9/23/2013) | (35.3 - 19)/(23 - 3) | 0.815 |
| 27.6 (12/10/2018) | 19 (9/23/2013) | (27.6 - 19)/(24 - 3) | 0.409524 |
| 35.5 (4/15/2019) | 19 (9/23/2013) | (35.5 - 19)/(25 - 3) | 0.75 |
| 52.3 (6/12/2019) | 19 (9/23/2013) | (52.3 - 19)/(26 - 3) | 1.44783 |
| 7.3 (8/27/2019) | 19 (9/23/2013) | (7.3 - 19)/(27 - 3) | -0.4875 |
| 17.6 (10/29/2019) | 19 (9/23/2013) | (17.6 - 19)/(28 - 3) | -0.056 |
| 19 (3/30/2020) | 19 (9/23/2013) | (19 - 19)/(29 - 3) | 0 |
| 14.6 (6/16/2020) | 19 (9/23/2013) | (14.6 - 19)/(30 - 3) | -0.162963 |
| 8.3 (9/21/2020) | 19 (9/23/2013) | (8.3 - 19)/(31 - 3) | -0.382143 |
| 20.4 (12/17/2020) | 19 (9/23/2013) | (20.4 - 19)/(32 - 3) | 0.0482759 |
| 23 (3/18/2021) | 19 (9/23/2013) | (23 - 19)/(33 - 3) | 0.133333 |
| 35.1 (5/5/2021) | 19 (9/23/2013) | (35.1 - 19)/(34 - 3) | 0.519355 |
| 23.6 (9/2/2021) | 19 (9/23/2013) | (23.6 - 19)/(35 - 3) | 0.14375 |
| 10.5 (11/23/2021) | 19 (9/23/2013) | (10.5 - 19)/(36 - 3) | -0.257576 |
| 23.6 (1/11/2022) | 19 (9/23/2013) | (23.6 - 19)/(37 - 3) | 0.135294 |
| 21 (4/7/2022) | 19 (9/23/2013) | (21 - 19)/(38 - 3) | 0.0571429 |
| 33.7 (8/2/2022) | 19 (9/23/2013) | (33.7 - 19)/(39 - 3) | 0.408333 |
| 7.4 (11/16/2022) | 19 (9/23/2013) | (7.4 - 19)/(40 - 3) | -0.313514 |
| 11.6 (2/14/2023) | 19 (9/23/2013) | (11.6 - 19)/(41 - 3) | -0.194737 |
| 21.7 (5/25/2023) | 19 (9/23/2013) | (21.7 - 19)/(42 - 3) | 0.0692308 |
| 6.8 (8/7/2023) | 19 (9/23/2013) | (6.8 - 19)/(43 - 3) | -0.305 |
| 36.8 (12/12/2023) | 19 (9/23/2013) | (36.8 - 19)/(44 - 3) | 0.434146 |
| 31.7 (1/10/2024) | 19 (9/23/2013) | (31.7 - 19)/(45 - 3) | 0.302381 |
| 28.6 (5/21/2024) | 19 (9/23/2013) | (28.6 - 19)/(46 - 3) | 0.223256 |
| 12.2 (9/16/2024) | 19 (9/23/2013) | (12.2 - 19)/(47 - 3) | -0.154545 |
| 30 (12/11/2024) | 19 (9/23/2013) | (30 - 19)/(48 - 3) | 0.244444 |
| 45.7 (2/18/2025) | 19 (9/23/2013) | (45.7 - 19)/(49 - 3) | 0.580435 |
| | | | |
| 13 (2/6/2014) | 20 (12/10/2013) | (13 - 20)/(5 - 4) | -7 |
| 12 (6/26/2014) | 20 (12/10/2013) | (12 - 20)/(6 - 4) | -4 |
| 30 (9/30/2014) | 20 (12/10/2013) | (30 - 20)/(7 - 4) | 3.33333 |
| 51 (11/19/2014) | 20 (12/10/2013) | (51 - 20)/(8 - 4) | 7.75 |
| 35 (3/23/2015) | 20 (12/10/2013) | (35 - 20)/(9 - 4) | 3 |
| 22 (4/22/2015) | 20 (12/10/2013) | (22 - 20)/(10 - 4) | 0.333333 |
| 23 (9/30/2015) | 20 (12/10/2013) | (23 - 20)/(11 - 4) | 0.428571 |
| 30.2 (11/19/2015) | 20 (12/10/2013) | (30.2 - 20)/(12 - 4) | 1.275 |
| 23.8 (3/15/2016) | 20 (12/10/2013) | (23.8 - 20)/(13 - 4) | 0.422222 |
| 20.9 (6/29/2016) | 20 (12/10/2013) | (20.9 - 20)/(14 - 4) | 0.09 |
| 14.3 (8/9/2016) | 20 (12/10/2013) | (14.3 - 20)/(15 - 4) | -0.518182 |
| 17 (12/7/2016) | 20 (12/10/2013) | (17 - 20)/(16 - 4) | -0.25 |
| 57.1 (3/2/2017) | 20 (12/10/2013) | (57.1 - 20)/(17 - 4) | 2.85385 |
| 28.5 (7/5/2017) | 20 (12/10/2013) | (28.5 - 20)/(18 - 4) | 0.607143 |
| 12.7 (8/16/2017) | 20 (12/10/2013) | (12.7 - 20)/(19 - 4) | -0.486667 |
| 20.4 (10/25/2017) | 20 (12/10/2013) | (20.4 - 20)/(20 - 4) | 0.025 |
| 20.2 (3/28/2018) | 20 (12/10/2013) | (20.2 - 20)/(21 - 4) | 0.0117647 |
| 18.2 (6/29/2018) | 20 (12/10/2013) | (18.2 - 20)/(22 - 4) | -0.1 |

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|---|---|---|---|
| 35.3 (8/2/2018) | 20 (12/10/2013) | (35.3 - 20)/(23 - 4) | 0.805263 |
| 27.6 (12/10/2018) | 20 (12/10/2013) | (27.6 - 20)/(24 - 4) | 0.38 |
| 35.5 (4/15/2019) | 20 (12/10/2013) | (35.5 - 20)/(25 - 4) | 0.738095 |
| 52.3 (6/12/2019) | 20 (12/10/2013) | (52.3 - 20)/(26 - 4) | 1.46818 |
| 7.3 (8/27/2019) | 20 (12/10/2013) | (7.3 - 20)/(27 - 4) | -0.552174 |
| 17.6 (10/29/2019) | 20 (12/10/2013) | (17.6 - 20)/(28 - 4) | -0.1 |
| 19 (3/30/2020) | 20 (12/10/2013) | (19 - 20)/(29 - 4) | -0.04 |
| 14.6 (6/16/2020) | 20 (12/10/2013) | (14.6 - 20)/(30 - 4) | -0.207692 |
| 8.3 (9/21/2020) | 20 (12/10/2013) | (8.3 - 20)/(31 - 4) | -0.433333 |
| 20.4 (12/17/2020) | 20 (12/10/2013) | (20.4 - 20)/(32 - 4) | 0.0142857 |
| 23 (3/18/2021) | 20 (12/10/2013) | (23 - 20)/(33 - 4) | 0.103448 |
| 35.1 (5/5/2021) | 20 (12/10/2013) | (35.1 - 20)/(34 - 4) | 0.503333 |
| 23.6 (9/2/2021) | 20 (12/10/2013) | (23.6 - 20)/(35 - 4) | 0.116129 |
| 10.5 (11/23/2021) | 20 (12/10/2013) | (10.5 - 20)/(36 - 4) | -0.296875 |
| 23.6 (1/11/2022) | 20 (12/10/2013) | (23.6 - 20)/(37 - 4) | 0.109091 |
| 21 (4/7/2022) | 20 (12/10/2013) | (21 - 20)/(38 - 4) | 0.0294118 |
| 33.7 (8/2/2022) | 20 (12/10/2013) | (33.7 - 20)/(39 - 4) | 0.391429 |
| 7.4 (11/16/2022) | 20 (12/10/2013) | (7.4 - 20)/(40 - 4) | -0.35 |
| 11.6 (2/14/2023) | 20 (12/10/2013) | (11.6 - 20)/(41 - 4) | -0.227027 |
| 21.7 (5/25/2023) | 20 (12/10/2013) | (21.7 - 20)/(42 - 4) | 0.0447368 |
| 6.8 (8/7/2023) | 20 (12/10/2013) | (6.8 - 20)/(43 - 4) | -0.338462 |
| 36.8 (12/12/2023) | 20 (12/10/2013) | (36.8 - 20)/(44 - 4) | 0.42 |
| 31.7 (1/10/2024) | 20 (12/10/2013) | (31.7 - 20)/(45 - 4) | 0.285366 |
| 28.6 (5/21/2024) | 20 (12/10/2013) | (28.6 - 20)/(46 - 4) | 0.204762 |
| 12.2 (9/16/2024) | 20 (12/10/2013) | (12.2 - 20)/(47 - 4) | -0.181395 |
| 30 (12/11/2024) | 20 (12/10/2013) | (30 - 20)/(48 - 4) | 0.227273 |
| 45.7 (2/18/2025) | 20 (12/10/2013) | (45.7 - 20)/(49 - 4) | 0.571111 |
| | | | |
| 12 (6/26/2014) | 13 (2/6/2014) | (12 - 13)/(6 - 5) | -1 |
| 30 (9/30/2014) | 13 (2/6/2014) | (30 - 13)/(7 - 5) | 8.5 |
| 51 (11/19/2014) | 13 (2/6/2014) | (51 - 13)/(8 - 5) | 12.6667 |
| 35 (3/23/2015) | 13 (2/6/2014) | (35 - 13)/(9 - 5) | 5.5 |
| 22 (4/22/2015) | 13 (2/6/2014) | (22 - 13)/(10 - 5) | 1.8 |
| 23 (9/30/2015) | 13 (2/6/2014) | (23 - 13)/(11 - 5) | 1.66667 |
| 30.2 (11/19/2015) | 13 (2/6/2014) | (30.2 - 13)/(12 - 5) | 2.45714 |
| 23.8 (3/15/2016) | 13 (2/6/2014) | (23.8 - 13)/(13 - 5) | 1.35 |
| 20.9 (6/29/2016) | 13 (2/6/2014) | (20.9 - 13)/(14 - 5) | 0.877778 |
| 14.3 (8/9/2016) | 13 (2/6/2014) | (14.3 - 13)/(15 - 5) | 0.13 |
| 17 (12/7/2016) | 13 (2/6/2014) | (17 - 13)/(16 - 5) | 0.363636 |
| 57.1 (3/2/2017) | 13 (2/6/2014) | (57.1 - 13)/(17 - 5) | 3.675 |
| 28.5 (7/5/2017) | 13 (2/6/2014) | (28.5 - 13)/(18 - 5) | 1.19231 |
| 12.7 (8/16/2017) | 13 (2/6/2014) | (12.7 - 13)/(19 - 5) | -0.0214286 |
| 20.4 (10/25/2017) | 13 (2/6/2014) | (20.4 - 13)/(20 - 5) | 0.493333 |
| 20.2 (3/28/2018) | 13 (2/6/2014) | (20.2 - 13)/(21 - 5) | 0.45 |
| 18.2 (6/29/2018) | 13 (2/6/2014) | (18.2 - 13)/(22 - 5) | 0.305882 |
| 35.3 (8/2/2018) | 13 (2/6/2014) | (35.3 - 13)/(23 - 5) | 1.23889 |
| 27.6 (12/10/2018) | 13 (2/6/2014) | (27.6 - 13)/(24 - 5) | 0.768421 |
| 35.5 (4/15/2019) | 13 (2/6/2014) | (35.5 - 13)/(25 - 5) | 1.125 |
| 52.3 (6/12/2019) | 13 (2/6/2014) | (52.3 - 13)/(26 - 5) | 1.87143 |
| 7.3 (8/27/2019) | 13 (2/6/2014) | (7.3 - 13)/(27 - 5) | -0.259091 |
| 17.6 (10/29/2019) | 13 (2/6/2014) | (17.6 - 13)/(28 - 5) | 0.2 |
| 19 (3/30/2020) | 13 (2/6/2014) | (19 - 13)/(29 - 5) | 0.25 |
| 14.6 (6/16/2020) | 13 (2/6/2014) | (14.6 - 13)/(30 - 5) | 0.064 |
| 8.3 (9/21/2020) | 13 (2/6/2014) | (8.3 - 13)/(31 - 5) | -0.180769 |
| 20.4 (12/17/2020) | 13 (2/6/2014) | (20.4 - 13)/(32 - 5) | 0.274074 |
| 23 (3/18/2021) | 13 (2/6/2014) | (23 - 13)/(33 - 5) | 0.357143 |
| 35.1 (5/5/2021) | 13 (2/6/2014) | (35.1 - 13)/(34 - 5) | 0.762069 |

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|---|---|---|---|
| 23.6 (9/2/2021) | 13 (2/6/2014) | (23.6 - 13)/(35 - 5) | 0.353333 |
| 10.5 (11/23/2021) | 13 (2/6/2014) | (10.5 - 13)/(36 - 5) | -0.0806452 |
| 23.6 (1/11/2022) | 13 (2/6/2014) | (23.6 - 13)/(37 - 5) | 0.33125 |
| 21 (4/7/2022) | 13 (2/6/2014) | (21 - 13)/(38 - 5) | 0.242424 |
| 33.7 (8/2/2022) | 13 (2/6/2014) | (33.7 - 13)/(39 - 5) | 0.608824 |
| 7.4 (11/16/2022) | 13 (2/6/2014) | (7.4 - 13)/(40 - 5) | -0.16 |
| 11.6 (2/14/2023) | 13 (2/6/2014) | (11.6 - 13)/(41 - 5) | -0.0388889 |
| 21.7 (5/25/2023) | 13 (2/6/2014) | (21.7 - 13)/(42 - 5) | 0.235135 |
| 6.8 (8/7/2023) | 13 (2/6/2014) | (6.8 - 13)/(43 - 5) | -0.163158 |
| 36.8 (12/12/2023) | 13 (2/6/2014) | (36.8 - 13)/(44 - 5) | 0.610256 |
| 31.7 (1/10/2024) | 13 (2/6/2014) | (31.7 - 13)/(45 - 5) | 0.4675 |
| 28.6 (5/21/2024) | 13 (2/6/2014) | (28.6 - 13)/(46 - 5) | 0.380488 |
| 12.2 (9/16/2024) | 13 (2/6/2014) | (12.2 - 13)/(47 - 5) | -0.0190476 |
| 30 (12/11/2024) | 13 (2/6/2014) | (30 - 13)/(48 - 5) | 0.395349 |
| 45.7 (2/18/2025) | 13 (2/6/2014) | (45.7 - 13)/(49 - 5) | 0.743182 |
| | | | |
| 30 (9/30/2014) | 12 (6/26/2014) | (30 - 12)/(7 - 6) | 18 |
| 51 (11/19/2014) | 12 (6/26/2014) | (51 - 12)/(8 - 6) | 19.5 |
| 35 (3/23/2015) | 12 (6/26/2014) | (35 - 12)/(9 - 6) | 7.66667 |
| 22 (4/22/2015) | 12 (6/26/2014) | (22 - 12)/(10 - 6) | 2.5 |
| 23 (9/30/2015) | 12 (6/26/2014) | (23 - 12)/(11 - 6) | 2.2 |
| 30.2 (11/19/2015) | 12 (6/26/2014) | (30.2 - 12)/(12 - 6) | 3.03333 |
| 23.8 (3/15/2016) | 12 (6/26/2014) | (23.8 - 12)/(13 - 6) | 1.68571 |
| 20.9 (6/29/2016) | 12 (6/26/2014) | (20.9 - 12)/(14 - 6) | 1.1125 |
| 14.3 (8/9/2016) | 12 (6/26/2014) | (14.3 - 12)/(15 - 6) | 0.255556 |
| 17 (12/7/2016) | 12 (6/26/2014) | (17 - 12)/(16 - 6) | 0.5 |
| 57.1 (3/2/2017) | 12 (6/26/2014) | (57.1 - 12)/(17 - 6) | 4.1 |
| 28.5 (7/5/2017) | 12 (6/26/2014) | (28.5 - 12)/(18 - 6) | 1.375 |
| 12.7 (8/16/2017) | 12 (6/26/2014) | (12.7 - 12)/(19 - 6) | 0.0538462 |
| 20.4 (10/25/2017) | 12 (6/26/2014) | (20.4 - 12)/(20 - 6) | 0.6 |
| 20.2 (3/28/2018) | 12 (6/26/2014) | (20.2 - 12)/(21 - 6) | 0.546667 |
| 18.2 (6/29/2018) | 12 (6/26/2014) | (18.2 - 12)/(22 - 6) | 0.3875 |
| 35.3 (8/2/2018) | 12 (6/26/2014) | (35.3 - 12)/(23 - 6) | 1.37059 |
| 27.6 (12/10/2018) | 12 (6/26/2014) | (27.6 - 12)/(24 - 6) | 0.866667 |
| 35.5 (4/15/2019) | 12 (6/26/2014) | (35.5 - 12)/(25 - 6) | 1.23684 |
| 52.3 (6/12/2019) | 12 (6/26/2014) | (52.3 - 12)/(26 - 6) | 2.015 |
| 7.3 (8/27/2019) | 12 (6/26/2014) | (7.3 - 12)/(27 - 6) | -0.22381 |
| 17.6 (10/29/2019) | 12 (6/26/2014) | (17.6 - 12)/(28 - 6) | 0.254545 |
| 19 (3/30/2020) | 12 (6/26/2014) | (19 - 12)/(29 - 6) | 0.304348 |
| 14.6 (6/16/2020) | 12 (6/26/2014) | (14.6 - 12)/(30 - 6) | 0.108333 |
| 8.3 (9/21/2020) | 12 (6/26/2014) | (8.3 - 12)/(31 - 6) | -0.148 |
| 20.4 (12/17/2020) | 12 (6/26/2014) | (20.4 - 12)/(32 - 6) | 0.323077 |
| 23 (3/18/2021) | 12 (6/26/2014) | (23 - 12)/(33 - 6) | 0.407407 |
| 35.1 (5/5/2021) | 12 (6/26/2014) | (35.1 - 12)/(34 - 6) | 0.825 |
| 23.6 (9/2/2021) | 12 (6/26/2014) | (23.6 - 12)/(35 - 6) | 0.4 |
| 10.5 (11/23/2021) | 12 (6/26/2014) | (10.5 - 12)/(36 - 6) | -0.05 |
| 23.6 (1/11/2022) | 12 (6/26/2014) | (23.6 - 12)/(37 - 6) | 0.374194 |
| 21 (4/7/2022) | 12 (6/26/2014) | (21 - 12)/(38 - 6) | 0.28125 |
| 33.7 (8/2/2022) | 12 (6/26/2014) | (33.7 - 12)/(39 - 6) | 0.657576 |
| 7.4 (11/16/2022) | 12 (6/26/2014) | (7.4 - 12)/(40 - 6) | -0.135294 |
| 11.6 (2/14/2023) | 12 (6/26/2014) | (11.6 - 12)/(41 - 6) | -0.0114286 |
| 21.7 (5/25/2023) | 12 (6/26/2014) | (21.7 - 12)/(42 - 6) | 0.269444 |
| 6.8 (8/7/2023) | 12 (6/26/2014) | (6.8 - 12)/(43 - 6) | -0.140541 |
| 36.8 (12/12/2023) | 12 (6/26/2014) | (36.8 - 12)/(44 - 6) | 0.652632 |
| 31.7 (1/10/2024) | 12 (6/26/2014) | (31.7 - 12)/(45 - 6) | 0.505128 |
| 28.6 (5/21/2024) | 12 (6/26/2014) | (28.6 - 12)/(46 - 6) | 0.415 |
| 12.2 (9/16/2024) | 12 (6/26/2014) | (12.2 - 12)/(47 - 6) | 0.00487805 |

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|---|---|---|---|
| 30 (12/11/2024) | 12 (6/26/2014) | (30 - 12)/(48 - 6) | 0.428571 |
| 45.7 (2/18/2025) | 12 (6/26/2014) | (45.7 - 12)/(49 - 6) | 0.783721 |
| | | | |
| 51 (11/19/2014) | 30 (9/30/2014) | (51 - 30)/(8 - 7) | 21 |
| 35 (3/23/2015) | 30 (9/30/2014) | (35 - 30)/(9 - 7) | 2.5 |
| 22 (4/22/2015) | 30 (9/30/2014) | (22 - 30)/(10 - 7) | -2.66667 |
| 23 (9/30/2015) | 30 (9/30/2014) | (23 - 30)/(11 - 7) | -1.75 |
| 30.2 (11/19/2015) | 30 (9/30/2014) | (30.2 - 30)/(12 - 7) | 0.04 |
| 23.8 (3/15/2016) | 30 (9/30/2014) | (23.8 - 30)/(13 - 7) | -1.03333 |
| 20.9 (6/29/2016) | 30 (9/30/2014) | (20.9 - 30)/(14 - 7) | -1.3 |
| 14.3 (8/9/2016) | 30 (9/30/2014) | (14.3 - 30)/(15 - 7) | -1.9625 |
| 17 (12/7/2016) | 30 (9/30/2014) | (17 - 30)/(16 - 7) | -1.44444 |
| 57.1 (3/2/2017) | 30 (9/30/2014) | (57.1 - 30)/(17 - 7) | 2.71 |
| 28.5 (7/5/2017) | 30 (9/30/2014) | (28.5 - 30)/(18 - 7) | -0.136364 |
| 12.7 (8/16/2017) | 30 (9/30/2014) | (12.7 - 30)/(19 - 7) | -1.44167 |
| 20.4 (10/25/2017) | 30 (9/30/2014) | (20.4 - 30)/(20 - 7) | -0.738462 |
| 20.2 (3/28/2018) | 30 (9/30/2014) | (20.2 - 30)/(21 - 7) | -0.7 |
| 18.2 (6/29/2018) | 30 (9/30/2014) | (18.2 - 30)/(22 - 7) | -0.786667 |
| 35.3 (8/2/2018) | 30 (9/30/2014) | (35.3 - 30)/(23 - 7) | 0.33125 |
| 27.6 (12/10/2018) | 30 (9/30/2014) | (27.6 - 30)/(24 - 7) | -0.141176 |
| 35.5 (4/15/2019) | 30 (9/30/2014) | (35.5 - 30)/(25 - 7) | 0.305556 |
| 52.3 (6/12/2019) | 30 (9/30/2014) | (52.3 - 30)/(26 - 7) | 1.17368 |
| 7.3 (8/27/2019) | 30 (9/30/2014) | (7.3 - 30)/(27 - 7) | -1.135 |
| 17.6 (10/29/2019) | 30 (9/30/2014) | (17.6 - 30)/(28 - 7) | -0.590476 |
| 19 (3/30/2020) | 30 (9/30/2014) | (19 - 30)/(29 - 7) | -0.5 |
| 14.6 (6/16/2020) | 30 (9/30/2014) | (14.6 - 30)/(30 - 7) | -0.669565 |
| 8.3 (9/21/2020) | 30 (9/30/2014) | (8.3 - 30)/(31 - 7) | -0.904167 |
| 20.4 (12/17/2020) | 30 (9/30/2014) | (20.4 - 30)/(32 - 7) | -0.384 |
| 23 (3/18/2021) | 30 (9/30/2014) | (23 - 30)/(33 - 7) | -0.269231 |
| 35.1 (5/5/2021) | 30 (9/30/2014) | (35.1 - 30)/(34 - 7) | 0.188889 |
| 23.6 (9/2/2021) | 30 (9/30/2014) | (23.6 - 30)/(35 - 7) | -0.228571 |
| 10.5 (11/23/2021) | 30 (9/30/2014) | (10.5 - 30)/(36 - 7) | -0.672414 |
| 23.6 (1/11/2022) | 30 (9/30/2014) | (23.6 - 30)/(37 - 7) | -0.213333 |
| 21 (4/7/2022) | 30 (9/30/2014) | (21 - 30)/(38 - 7) | -0.290323 |
| 33.7 (8/2/2022) | 30 (9/30/2014) | (33.7 - 30)/(39 - 7) | 0.115625 |
| 7.4 (11/16/2022) | 30 (9/30/2014) | (7.4 - 30)/(40 - 7) | -0.684848 |
| 11.6 (2/14/2023) | 30 (9/30/2014) | (11.6 - 30)/(41 - 7) | -0.541176 |
| 21.7 (5/25/2023) | 30 (9/30/2014) | (21.7 - 30)/(42 - 7) | -0.237143 |
| 6.8 (8/7/2023) | 30 (9/30/2014) | (6.8 - 30)/(43 - 7) | -0.644444 |
| 36.8 (12/12/2023) | 30 (9/30/2014) | (36.8 - 30)/(44 - 7) | 0.183784 |
| 31.7 (1/10/2024) | 30 (9/30/2014) | (31.7 - 30)/(45 - 7) | 0.0447368 |
| 28.6 (5/21/2024) | 30 (9/30/2014) | (28.6 - 30)/(46 - 7) | -0.0358974 |
| 12.2 (9/16/2024) | 30 (9/30/2014) | (12.2 - 30)/(47 - 7) | -0.445 |
| 30 (12/11/2024) | 30 (9/30/2014) | (30 - 30)/(48 - 7) | 0 |
| 45.7 (2/18/2025) | 30 (9/30/2014) | (45.7 - 30)/(49 - 7) | 0.37381 |
| | | | |
| 35 (3/23/2015) | 51 (11/19/2014) | (35 - 51)/(9 - 8) | -16 |
| 22 (4/22/2015) | 51 (11/19/2014) | (22 - 51)/(10 - 8) | -14.5 |
| 23 (9/30/2015) | 51 (11/19/2014) | (23 - 51)/(11 - 8) | -9.33333 |
| 30.2 (11/19/2015) | 51 (11/19/2014) | (30.2 - 51)/(12 - 8) | -5.2 |
| 23.8 (3/15/2016) | 51 (11/19/2014) | (23.8 - 51)/(13 - 8) | -5.44 |
| 20.9 (6/29/2016) | 51 (11/19/2014) | (20.9 - 51)/(14 - 8) | -5.01667 |
| 14.3 (8/9/2016) | 51 (11/19/2014) | (14.3 - 51)/(15 - 8) | -5.24286 |
| 17 (12/7/2016) | 51 (11/19/2014) | (17 - 51)/(16 - 8) | -4.25 |
| 57.1 (3/2/2017) | 51 (11/19/2014) | (57.1 - 51)/(17 - 8) | 0.677778 |
| 28.5 (7/5/2017) | 51 (11/19/2014) | (28.5 - 51)/(18 - 8) | -2.25 |
| 12.7 (8/16/2017) | 51 (11/19/2014) | (12.7 - 51)/(19 - 8) | -3.48182 |

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|---|---|---|---|
| 20.4 (10/25/2017) | 51 (11/19/2014) | (20.4 - 51)/(20 - 8) | -2.55 |
| 20.2 (3/28/2018) | 51 (11/19/2014) | (20.2 - 51)/(21 - 8) | -2.36923 |
| 18.2 (6/29/2018) | 51 (11/19/2014) | (18.2 - 51)/(22 - 8) | -2.34286 |
| 35.3 (8/2/2018) | 51 (11/19/2014) | (35.3 - 51)/(23 - 8) | -1.04667 |
| 27.6 (12/10/2018) | 51 (11/19/2014) | (27.6 - 51)/(24 - 8) | -1.4625 |
| 35.5 (4/15/2019) | 51 (11/19/2014) | (35.5 - 51)/(25 - 8) | -0.911765 |
| 52.3 (6/12/2019) | 51 (11/19/2014) | (52.3 - 51)/(26 - 8) | 0.0722222 |
| 7.3 (8/27/2019) | 51 (11/19/2014) | (7.3 - 51)/(27 - 8) | -2.3 |
| 17.6 (10/29/2019) | 51 (11/19/2014) | (17.6 - 51)/(28 - 8) | -1.67 |
| 19 (3/30/2020) | 51 (11/19/2014) | (19 - 51)/(29 - 8) | -1.52381 |
| 14.6 (6/16/2020) | 51 (11/19/2014) | (14.6 - 51)/(30 - 8) | -1.65455 |
| 8.3 (9/21/2020) | 51 (11/19/2014) | (8.3 - 51)/(31 - 8) | -1.85652 |
| 20.4 (12/17/2020) | 51 (11/19/2014) | (20.4 - 51)/(32 - 8) | -1.275 |
| 23 (3/18/2021) | 51 (11/19/2014) | (23 - 51)/(33 - 8) | -1.12 |
| 35.1 (5/5/2021) | 51 (11/19/2014) | (35.1 - 51)/(34 - 8) | -0.611538 |
| 23.6 (9/2/2021) | 51 (11/19/2014) | (23.6 - 51)/(35 - 8) | -1.01481 |
| 10.5 (11/23/2021) | 51 (11/19/2014) | (10.5 - 51)/(36 - 8) | -1.44643 |
| 23.6 (1/11/2022) | 51 (11/19/2014) | (23.6 - 51)/(37 - 8) | -0.944828 |
| 21 (4/7/2022) | 51 (11/19/2014) | (21 - 51)/(38 - 8) | -1 |
| 33.7 (8/2/2022) | 51 (11/19/2014) | (33.7 - 51)/(39 - 8) | -0.558065 |
| 7.4 (11/16/2022) | 51 (11/19/2014) | (7.4 - 51)/(40 - 8) | -1.3625 |
| 11.6 (2/14/2023) | 51 (11/19/2014) | (11.6 - 51)/(41 - 8) | -1.19394 |
| 21.7 (5/25/2023) | 51 (11/19/2014) | (21.7 - 51)/(42 - 8) | -0.861765 |
| 6.8 (8/7/2023) | 51 (11/19/2014) | (6.8 - 51)/(43 - 8) | -1.26286 |
| 36.8 (12/12/2023) | 51 (11/19/2014) | (36.8 - 51)/(44 - 8) | -0.394444 |
| 31.7 (1/10/2024) | 51 (11/19/2014) | (31.7 - 51)/(45 - 8) | -0.521622 |
| 28.6 (5/21/2024) | 51 (11/19/2014) | (28.6 - 51)/(46 - 8) | -0.589474 |
| 12.2 (9/16/2024) | 51 (11/19/2014) | (12.2 - 51)/(47 - 8) | -0.994872 |
| 30 (12/11/2024) | 51 (11/19/2014) | (30 - 51)/(48 - 8) | -0.525 |
| 45.7 (2/18/2025) | 51 (11/19/2014) | (45.7 - 51)/(49 - 8) | -0.129268 |

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|---|---|---|---|
| 22 (4/22/2015) | 35 (3/23/2015) | (22 - 35)/(10 - 9) | -13 |
| 23 (9/30/2015) | 35 (3/23/2015) | (23 - 35)/(11 - 9) | -6 |
| 30.2 (11/19/2015) | 35 (3/23/2015) | (30.2 - 35)/(12 - 9) | -1.6 |
| 23.8 (3/15/2016) | 35 (3/23/2015) | (23.8 - 35)/(13 - 9) | -2.8 |
| 20.9 (6/29/2016) | 35 (3/23/2015) | (20.9 - 35)/(14 - 9) | -2.82 |
| 14.3 (8/9/2016) | 35 (3/23/2015) | (14.3 - 35)/(15 - 9) | -3.45 |
| 17 (12/7/2016) | 35 (3/23/2015) | (17 - 35)/(16 - 9) | -2.57143 |
| 57.1 (3/2/2017) | 35 (3/23/2015) | (57.1 - 35)/(17 - 9) | 2.7625 |
| 28.5 (7/5/2017) | 35 (3/23/2015) | (28.5 - 35)/(18 - 9) | -0.722222 |
| 12.7 (8/16/2017) | 35 (3/23/2015) | (12.7 - 35)/(19 - 9) | -2.23 |
| 20.4 (10/25/2017) | 35 (3/23/2015) | (20.4 - 35)/(20 - 9) | -1.32727 |
| 20.2 (3/28/2018) | 35 (3/23/2015) | (20.2 - 35)/(21 - 9) | -1.23333 |
| 18.2 (6/29/2018) | 35 (3/23/2015) | (18.2 - 35)/(22 - 9) | -1.29231 |
| 35.3 (8/2/2018) | 35 (3/23/2015) | (35.3 - 35)/(23 - 9) | 0.0214286 |
| 27.6 (12/10/2018) | 35 (3/23/2015) | (27.6 - 35)/(24 - 9) | -0.493333 |
| 35.5 (4/15/2019) | 35 (3/23/2015) | (35.5 - 35)/(25 - 9) | 0.03125 |
| 52.3 (6/12/2019) | 35 (3/23/2015) | (52.3 - 35)/(26 - 9) | 1.01765 |
| 7.3 (8/27/2019) | 35 (3/23/2015) | (7.3 - 35)/(27 - 9) | -1.53889 |
| 17.6 (10/29/2019) | 35 (3/23/2015) | (17.6 - 35)/(28 - 9) | -0.915789 |
| 19 (3/30/2020) | 35 (3/23/2015) | (19 - 35)/(29 - 9) | -0.8 |
| 14.6 (6/16/2020) | 35 (3/23/2015) | (14.6 - 35)/(30 - 9) | -0.971429 |
| 8.3 (9/21/2020) | 35 (3/23/2015) | (8.3 - 35)/(31 - 9) | -1.21364 |
| 20.4 (12/17/2020) | 35 (3/23/2015) | (20.4 - 35)/(32 - 9) | -0.634783 |
| 23 (3/18/2021) | 35 (3/23/2015) | (23 - 35)/(33 - 9) | -0.5 |
| 35.1 (5/5/2021) | 35 (3/23/2015) | (35.1 - 35)/(34 - 9) | 0.004 |
| 23.6 (9/2/2021) | 35 (3/23/2015) | (23.6 - 35)/(35 - 9) | -0.438462 |

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| 10.5 (11/23/2021) | 35 (3/23/2015) | (10.5 - 35)/(36 - 9) | -0.907407 |
| 23.6 (1/11/2022) | 35 (3/23/2015) | (23.6 - 35)/(37 - 9) | -0.407143 |
| 21 (4/7/2022) | 35 (3/23/2015) | (21 - 35)/(38 - 9) | -0.482759 |
| 33.7 (8/2/2022) | 35 (3/23/2015) | (33.7 - 35)/(39 - 9) | -0.0433333 |
| 7.4 (11/16/2022) | 35 (3/23/2015) | (7.4 - 35)/(40 - 9) | -0.890323 |
| 11.6 (2/14/2023) | 35 (3/23/2015) | (11.6 - 35)/(41 - 9) | -0.73125 |
| 21.7 (5/25/2023) | 35 (3/23/2015) | (21.7 - 35)/(42 - 9) | -0.40303 |
| 6.8 (8/7/2023) | 35 (3/23/2015) | (6.8 - 35)/(43 - 9) | -0.829412 |
| 36.8 (12/12/2023) | 35 (3/23/2015) | (36.8 - 35)/(44 - 9) | 0.0514286 |
| 31.7 (1/10/2024) | 35 (3/23/2015) | (31.7 - 35)/(45 - 9) | -0.0916667 |
| 28.6 (5/21/2024) | 35 (3/23/2015) | (28.6 - 35)/(46 - 9) | -0.172973 |
| 12.2 (9/16/2024) | 35 (3/23/2015) | (12.2 - 35)/(47 - 9) | -0.6 |
| 30 (12/11/2024) | 35 (3/23/2015) | (30 - 35)/(48 - 9) | -0.128205 |
| 45.7 (2/18/2025) | 35 (3/23/2015) | (45.7 - 35)/(49 - 9) | 0.2675 |
| | | | |
| 23 (9/30/2015) | 22 (4/22/2015) | (23 - 22)/(11 - 10) | 1 |
| 30.2 (11/19/2015) | 22 (4/22/2015) | (30.2 - 22)/(12 - 10) | 4.1 |
| 23.8 (3/15/2016) | 22 (4/22/2015) | (23.8 - 22)/(13 - 10) | 0.6 |
| 20.9 (6/29/2016) | 22 (4/22/2015) | (20.9 - 22)/(14 - 10) | -0.275 |
| 14.3 (8/9/2016) | 22 (4/22/2015) | (14.3 - 22)/(15 - 10) | -1.54 |
| 17 (12/7/2016) | 22 (4/22/2015) | (17 - 22)/(16 - 10) | -0.833333 |
| 57.1 (3/2/2017) | 22 (4/22/2015) | (57.1 - 22)/(17 - 10) | 5.01429 |
| 28.5 (7/5/2017) | 22 (4/22/2015) | (28.5 - 22)/(18 - 10) | 0.8125 |
| 12.7 (8/16/2017) | 22 (4/22/2015) | (12.7 - 22)/(19 - 10) | -1.03333 |
| 20.4 (10/25/2017) | 22 (4/22/2015) | (20.4 - 22)/(20 - 10) | -0.16 |
| 20.2 (3/28/2018) | 22 (4/22/2015) | (20.2 - 22)/(21 - 10) | -0.163636 |
| 18.2 (6/29/2018) | 22 (4/22/2015) | (18.2 - 22)/(22 - 10) | -0.316667 |
| 35.3 (8/2/2018) | 22 (4/22/2015) | (35.3 - 22)/(23 - 10) | 1.02308 |
| 27.6 (12/10/2018) | 22 (4/22/2015) | (27.6 - 22)/(24 - 10) | 0.4 |
| 35.5 (4/15/2019) | 22 (4/22/2015) | (35.5 - 22)/(25 - 10) | 0.9 |
| 52.3 (6/12/2019) | 22 (4/22/2015) | (52.3 - 22)/(26 - 10) | 1.89375 |
| 7.3 (8/27/2019) | 22 (4/22/2015) | (7.3 - 22)/(27 - 10) | -0.864706 |
| 17.6 (10/29/2019) | 22 (4/22/2015) | (17.6 - 22)/(28 - 10) | -0.244444 |
| 19 (3/30/2020) | 22 (4/22/2015) | (19 - 22)/(29 - 10) | -0.157895 |
| 14.6 (6/16/2020) | 22 (4/22/2015) | (14.6 - 22)/(30 - 10) | -0.37 |
| 8.3 (9/21/2020) | 22 (4/22/2015) | (8.3 - 22)/(31 - 10) | -0.652381 |
| 20.4 (12/17/2020) | 22 (4/22/2015) | (20.4 - 22)/(32 - 10) | -0.0727273 |
| 23 (3/18/2021) | 22 (4/22/2015) | (23 - 22)/(33 - 10) | 0.0434783 |
| 35.1 (5/5/2021) | 22 (4/22/2015) | (35.1 - 22)/(34 - 10) | 0.545833 |
| 23.6 (9/2/2021) | 22 (4/22/2015) | (23.6 - 22)/(35 - 10) | 0.064 |
| 10.5 (11/23/2021) | 22 (4/22/2015) | (10.5 - 22)/(36 - 10) | -0.442308 |
| 23.6 (1/11/2022) | 22 (4/22/2015) | (23.6 - 22)/(37 - 10) | 0.0592593 |
| 21 (4/7/2022) | 22 (4/22/2015) | (21 - 22)/(38 - 10) | -0.0357143 |
| 33.7 (8/2/2022) | 22 (4/22/2015) | (33.7 - 22)/(39 - 10) | 0.403448 |
| 7.4 (11/16/2022) | 22 (4/22/2015) | (7.4 - 22)/(40 - 10) | -0.486667 |
| 11.6 (2/14/2023) | 22 (4/22/2015) | (11.6 - 22)/(41 - 10) | -0.335484 |
| 21.7 (5/25/2023) | 22 (4/22/2015) | (21.7 - 22)/(42 - 10) | -0.009375 |
| 6.8 (8/7/2023) | 22 (4/22/2015) | (6.8 - 22)/(43 - 10) | -0.460606 |
| 36.8 (12/12/2023) | 22 (4/22/2015) | (36.8 - 22)/(44 - 10) | 0.435294 |
| 31.7 (1/10/2024) | 22 (4/22/2015) | (31.7 - 22)/(45 - 10) | 0.277143 |
| 28.6 (5/21/2024) | 22 (4/22/2015) | (28.6 - 22)/(46 - 10) | 0.183333 |
| 12.2 (9/16/2024) | 22 (4/22/2015) | (12.2 - 22)/(47 - 10) | -0.264865 |
| 30 (12/11/2024) | 22 (4/22/2015) | (30 - 22)/(48 - 10) | 0.210526 |
| 45.7 (2/18/2025) | 22 (4/22/2015) | (45.7 - 22)/(49 - 10) | 0.607692 |
| | | | |
| 30.2 (11/19/2015) | 23 (9/30/2015) | (30.2 - 23)/(12 - 11) | 7.2 |
| 23.8 (3/15/2016) | 23 (9/30/2015) | (23.8 - 23)/(13 - 11) | 0.4 |

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| 20.9 (6/29/2016) | 23 (9/30/2015) | (20.9 - 23)/(14 - 11) | -0.7 |
| 14.3 (8/9/2016) | 23 (9/30/2015) | (14.3 - 23)/(15 - 11) | -2.175 |
| 17 (12/7/2016) | 23 (9/30/2015) | (17 - 23)/(16 - 11) | -1.2 |
| 57.1 (3/2/2017) | 23 (9/30/2015) | (57.1 - 23)/(17 - 11) | 5.68333 |
| 28.5 (7/5/2017) | 23 (9/30/2015) | (28.5 - 23)/(18 - 11) | 0.785714 |
| 12.7 (8/16/2017) | 23 (9/30/2015) | (12.7 - 23)/(19 - 11) | -1.2875 |
| 20.4 (10/25/2017) | 23 (9/30/2015) | (20.4 - 23)/(20 - 11) | -0.288889 |
| 20.2 (3/28/2018) | 23 (9/30/2015) | (20.2 - 23)/(21 - 11) | -0.28 |
| 18.2 (6/29/2018) | 23 (9/30/2015) | (18.2 - 23)/(22 - 11) | -0.436364 |
| 35.3 (8/2/2018) | 23 (9/30/2015) | (35.3 - 23)/(23 - 11) | 1.025 |
| 27.6 (12/10/2018) | 23 (9/30/2015) | (27.6 - 23)/(24 - 11) | 0.353846 |
| 35.5 (4/15/2019) | 23 (9/30/2015) | (35.5 - 23)/(25 - 11) | 0.892857 |
| 52.3 (6/12/2019) | 23 (9/30/2015) | (52.3 - 23)/(26 - 11) | 1.95333 |
| 7.3 (8/27/2019) | 23 (9/30/2015) | (7.3 - 23)/(27 - 11) | -0.98125 |
| 17.6 (10/29/2019) | 23 (9/30/2015) | (17.6 - 23)/(28 - 11) | -0.317647 |
| 19 (3/30/2020) | 23 (9/30/2015) | (19 - 23)/(29 - 11) | -0.222222 |
| 14.6 (6/16/2020) | 23 (9/30/2015) | (14.6 - 23)/(30 - 11) | -0.442105 |
| 8.3 (9/21/2020) | 23 (9/30/2015) | (8.3 - 23)/(31 - 11) | -0.735 |
| 20.4 (12/17/2020) | 23 (9/30/2015) | (20.4 - 23)/(32 - 11) | -0.12381 |
| 23 (3/18/2021) | 23 (9/30/2015) | (23 - 23)/(33 - 11) | 0 |
| 35.1 (5/5/2021) | 23 (9/30/2015) | (35.1 - 23)/(34 - 11) | 0.526087 |
| 23.6 (9/2/2021) | 23 (9/30/2015) | (23.6 - 23)/(35 - 11) | 0.025 |
| 10.5 (11/23/2021) | 23 (9/30/2015) | (10.5 - 23)/(36 - 11) | -0.5 |
| 23.6 (1/11/2022) | 23 (9/30/2015) | (23.6 - 23)/(37 - 11) | 0.0230769 |
| 21 (4/7/2022) | 23 (9/30/2015) | (21 - 23)/(38 - 11) | -0.0740741 |
| 33.7 (8/2/2022) | 23 (9/30/2015) | (33.7 - 23)/(39 - 11) | 0.382143 |
| 7.4 (11/16/2022) | 23 (9/30/2015) | (7.4 - 23)/(40 - 11) | -0.537931 |
| 11.6 (2/14/2023) | 23 (9/30/2015) | (11.6 - 23)/(41 - 11) | -0.38 |
| 21.7 (5/25/2023) | 23 (9/30/2015) | (21.7 - 23)/(42 - 11) | -0.0419355 |
| 6.8 (8/7/2023) | 23 (9/30/2015) | (6.8 - 23)/(43 - 11) | -0.50625 |
| 36.8 (12/12/2023) | 23 (9/30/2015) | (36.8 - 23)/(44 - 11) | 0.418182 |
| 31.7 (1/10/2024) | 23 (9/30/2015) | (31.7 - 23)/(45 - 11) | 0.255882 |
| 28.6 (5/21/2024) | 23 (9/30/2015) | (28.6 - 23)/(46 - 11) | 0.16 |
| 12.2 (9/16/2024) | 23 (9/30/2015) | (12.2 - 23)/(47 - 11) | -0.3 |
| 30 (12/11/2024) | 23 (9/30/2015) | (30 - 23)/(48 - 11) | 0.189189 |
| 45.7 (2/18/2025) | 23 (9/30/2015) | (45.7 - 23)/(49 - 11) | 0.597368 |
| | | | |
| 23.8 (3/15/2016) | 30.2 (11/19/2015) | (23.8 - 30.2)/(13 - 12) | -6.4 |
| 20.9 (6/29/2016) | 30.2 (11/19/2015) | (20.9 - 30.2)/(14 - 12) | -4.65 |
| 14.3 (8/9/2016) | 30.2 (11/19/2015) | (14.3 - 30.2)/(15 - 12) | -5.3 |
| 17 (12/7/2016) | 30.2 (11/19/2015) | (17 - 30.2)/(16 - 12) | -3.3 |
| 57.1 (3/2/2017) | 30.2 (11/19/2015) | (57.1 - 30.2)/(17 - 12) | 5.38 |
| 28.5 (7/5/2017) | 30.2 (11/19/2015) | (28.5 - 30.2)/(18 - 12) | -0.283333 |
| 12.7 (8/16/2017) | 30.2 (11/19/2015) | (12.7 - 30.2)/(19 - 12) | -2.5 |
| 20.4 (10/25/2017) | 30.2 (11/19/2015) | (20.4 - 30.2)/(20 - 12) | -1.225 |
| 20.2 (3/28/2018) | 30.2 (11/19/2015) | (20.2 - 30.2)/(21 - 12) | -1.11111 |
| 18.2 (6/29/2018) | 30.2 (11/19/2015) | (18.2 - 30.2)/(22 - 12) | -1.2 |
| 35.3 (8/2/2018) | 30.2 (11/19/2015) | (35.3 - 30.2)/(23 - 12) | 0.463636 |
| 27.6 (12/10/2018) | 30.2 (11/19/2015) | (27.6 - 30.2)/(24 - 12) | -0.216667 |
| 35.5 (4/15/2019) | 30.2 (11/19/2015) | (35.5 - 30.2)/(25 - 12) | 0.407692 |
| 52.3 (6/12/2019) | 30.2 (11/19/2015) | (52.3 - 30.2)/(26 - 12) | 1.57857 |
| 7.3 (8/27/2019) | 30.2 (11/19/2015) | (7.3 - 30.2)/(27 - 12) | -1.52667 |
| 17.6 (10/29/2019) | 30.2 (11/19/2015) | (17.6 - 30.2)/(28 - 12) | -0.7875 |
| 19 (3/30/2020) | 30.2 (11/19/2015) | (19 - 30.2)/(29 - 12) | -0.658824 |
| 14.6 (6/16/2020) | 30.2 (11/19/2015) | (14.6 - 30.2)/(30 - 12) | -0.866667 |
| 8.3 (9/21/2020) | 30.2 (11/19/2015) | (8.3 - 30.2)/(31 - 12) | -1.15263 |
| 20.4 (12/17/2020) | 30.2 (11/19/2015) | (20.4 - 30.2)/(32 - 12) | -0.49 |

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| 23 (3/18/2021) | 30.2 (11/19/2015) | (23 - 30.2)/(33 - 12) | -0.342857 |
| 35.1 (5/5/2021) | 30.2 (11/19/2015) | (35.1 - 30.2)/(34 - 12) | 0.222727 |
| 23.6 (9/2/2021) | 30.2 (11/19/2015) | (23.6 - 30.2)/(35 - 12) | -0.286957 |
| 10.5 (11/23/2021) | 30.2 (11/19/2015) | (10.5 - 30.2)/(36 - 12) | -0.820833 |
| 23.6 (1/11/2022) | 30.2 (11/19/2015) | (23.6 - 30.2)/(37 - 12) | -0.264 |
| 21 (4/7/2022) | 30.2 (11/19/2015) | (21 - 30.2)/(38 - 12) | -0.353846 |
| 33.7 (8/2/2022) | 30.2 (11/19/2015) | (33.7 - 30.2)/(39 - 12) | 0.12963 |
| 7.4 (11/16/2022) | 30.2 (11/19/2015) | (7.4 - 30.2)/(40 - 12) | -0.814286 |
| 11.6 (2/14/2023) | 30.2 (11/19/2015) | (11.6 - 30.2)/(41 - 12) | -0.641379 |
| 21.7 (5/25/2023) | 30.2 (11/19/2015) | (21.7 - 30.2)/(42 - 12) | -0.283333 |
| 6.8 (8/7/2023) | 30.2 (11/19/2015) | (6.8 - 30.2)/(43 - 12) | -0.754839 |
| 36.8 (12/12/2023) | 30.2 (11/19/2015) | (36.8 - 30.2)/(44 - 12) | 0.20625 |
| 31.7 (1/10/2024) | 30.2 (11/19/2015) | (31.7 - 30.2)/(45 - 12) | 0.0454545 |
| 28.6 (5/21/2024) | 30.2 (11/19/2015) | (28.6 - 30.2)/(46 - 12) | -0.0470588 |
| 12.2 (9/16/2024) | 30.2 (11/19/2015) | (12.2 - 30.2)/(47 - 12) | -0.514286 |
| 30 (12/11/2024) | 30.2 (11/19/2015) | (30 - 30.2)/(48 - 12) | -0.00555556 |
| 45.7 (2/18/2025) | 30.2 (11/19/2015) | (45.7 - 30.2)/(49 - 12) | 0.418919 |
| | | | |
| 20.9 (6/29/2016) | 23.8 (3/15/2016) | (20.9 - 23.8)/(14 - 13) | -2.9 |
| 14.3 (8/9/2016) | 23.8 (3/15/2016) | (14.3 - 23.8)/(15 - 13) | -4.75 |
| 17 (12/7/2016) | 23.8 (3/15/2016) | (17 - 23.8)/(16 - 13) | -2.26667 |
| 57.1 (3/2/2017) | 23.8 (3/15/2016) | (57.1 - 23.8)/(17 - 13) | 8.325 |
| 28.5 (7/5/2017) | 23.8 (3/15/2016) | (28.5 - 23.8)/(18 - 13) | 0.94 |
| 12.7 (8/16/2017) | 23.8 (3/15/2016) | (12.7 - 23.8)/(19 - 13) | -1.85 |
| 20.4 (10/25/2017) | 23.8 (3/15/2016) | (20.4 - 23.8)/(20 - 13) | -0.485714 |
| 20.2 (3/28/2018) | 23.8 (3/15/2016) | (20.2 - 23.8)/(21 - 13) | -0.45 |
| 18.2 (6/29/2018) | 23.8 (3/15/2016) | (18.2 - 23.8)/(22 - 13) | -0.622222 |
| 35.3 (8/2/2018) | 23.8 (3/15/2016) | (35.3 - 23.8)/(23 - 13) | 1.15 |
| 27.6 (12/10/2018) | 23.8 (3/15/2016) | (27.6 - 23.8)/(24 - 13) | 0.345455 |
| 35.5 (4/15/2019) | 23.8 (3/15/2016) | (35.5 - 23.8)/(25 - 13) | 0.975 |
| 52.3 (6/12/2019) | 23.8 (3/15/2016) | (52.3 - 23.8)/(26 - 13) | 2.19231 |
| 7.3 (8/27/2019) | 23.8 (3/15/2016) | (7.3 - 23.8)/(27 - 13) | -1.17857 |
| 17.6 (10/29/2019) | 23.8 (3/15/2016) | (17.6 - 23.8)/(28 - 13) | -0.413333 |
| 19 (3/30/2020) | 23.8 (3/15/2016) | (19 - 23.8)/(29 - 13) | -0.3 |
| 14.6 (6/16/2020) | 23.8 (3/15/2016) | (14.6 - 23.8)/(30 - 13) | -0.541176 |
| 8.3 (9/21/2020) | 23.8 (3/15/2016) | (8.3 - 23.8)/(31 - 13) | -0.861111 |
| 20.4 (12/17/2020) | 23.8 (3/15/2016) | (20.4 - 23.8)/(32 - 13) | -0.178947 |
| 23 (3/18/2021) | 23.8 (3/15/2016) | (23 - 23.8)/(33 - 13) | -0.04 |
| 35.1 (5/5/2021) | 23.8 (3/15/2016) | (35.1 - 23.8)/(34 - 13) | 0.538095 |
| 23.6 (9/2/2021) | 23.8 (3/15/2016) | (23.6 - 23.8)/(35 - 13) | -0.00909091 |
| 10.5 (11/23/2021) | 23.8 (3/15/2016) | (10.5 - 23.8)/(36 - 13) | -0.578261 |
| 23.6 (1/11/2022) | 23.8 (3/15/2016) | (23.6 - 23.8)/(37 - 13) | -0.00833333 |
| 21 (4/7/2022) | 23.8 (3/15/2016) | (21 - 23.8)/(38 - 13) | -0.112 |
| 33.7 (8/2/2022) | 23.8 (3/15/2016) | (33.7 - 23.8)/(39 - 13) | 0.380769 |
| 7.4 (11/16/2022) | 23.8 (3/15/2016) | (7.4 - 23.8)/(40 - 13) | -0.607407 |
| 11.6 (2/14/2023) | 23.8 (3/15/2016) | (11.6 - 23.8)/(41 - 13) | -0.435714 |
| 21.7 (5/25/2023) | 23.8 (3/15/2016) | (21.7 - 23.8)/(42 - 13) | -0.0724138 |
| 6.8 (8/7/2023) | 23.8 (3/15/2016) | (6.8 - 23.8)/(43 - 13) | -0.566667 |
| 36.8 (12/12/2023) | 23.8 (3/15/2016) | (36.8 - 23.8)/(44 - 13) | 0.419355 |
| 31.7 (1/10/2024) | 23.8 (3/15/2016) | (31.7 - 23.8)/(45 - 13) | 0.246875 |
| 28.6 (5/21/2024) | 23.8 (3/15/2016) | (28.6 - 23.8)/(46 - 13) | 0.145455 |
| 12.2 (9/16/2024) | 23.8 (3/15/2016) | (12.2 - 23.8)/(47 - 13) | -0.341176 |
| 30 (12/11/2024) | 23.8 (3/15/2016) | (30 - 23.8)/(48 - 13) | 0.177143 |
| 45.7 (2/18/2025) | 23.8 (3/15/2016) | (45.7 - 23.8)/(49 - 13) | 0.608333 |
| | | | |
| 14.3 (8/9/2016) | 20.9 (6/29/2016) | (14.3 - 20.9)/(15 - 14) | -6.6 |
| 17 (12/7/2016) | 20.9 (6/29/2016) | (17 - 20.9)/(16 - 14) | -1.95 |

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|---|---|---|---|
| 57.1 (3/2/2017) | 20.9 (6/29/2016) | (57.1 - 20.9)/(17 - 14) | 12.0667 |
| 28.5 (7/5/2017) | 20.9 (6/29/2016) | (28.5 - 20.9)/(18 - 14) | 1.9 |
| 12.7 (8/16/2017) | 20.9 (6/29/2016) | (12.7 - 20.9)/(19 - 14) | -1.64 |
| 20.4 (10/25/2017) | 20.9 (6/29/2016) | (20.4 - 20.9)/(20 - 14) | -0.0833333 |
| 20.2 (3/28/2018) | 20.9 (6/29/2016) | (20.2 - 20.9)/(21 - 14) | -0.1 |
| 18.2 (6/29/2018) | 20.9 (6/29/2016) | (18.2 - 20.9)/(22 - 14) | -0.3375 |
| 35.3 (8/2/2018) | 20.9 (6/29/2016) | (35.3 - 20.9)/(23 - 14) | 1.6 |
| 27.6 (12/10/2018) | 20.9 (6/29/2016) | (27.6 - 20.9)/(24 - 14) | 0.67 |
| 35.5 (4/15/2019) | 20.9 (6/29/2016) | (35.5 - 20.9)/(25 - 14) | 1.32727 |
| 52.3 (6/12/2019) | 20.9 (6/29/2016) | (52.3 - 20.9)/(26 - 14) | 2.61667 |
| 7.3 (8/27/2019) | 20.9 (6/29/2016) | (7.3 - 20.9)/(27 - 14) | -1.04615 |
| 17.6 (10/29/2019) | 20.9 (6/29/2016) | (17.6 - 20.9)/(28 - 14) | -0.235714 |
| 19 (3/30/2020) | 20.9 (6/29/2016) | (19 - 20.9)/(29 - 14) | -0.126667 |
| 14.6 (6/16/2020) | 20.9 (6/29/2016) | (14.6 - 20.9)/(30 - 14) | -0.39375 |
| 8.3 (9/21/2020) | 20.9 (6/29/2016) | (8.3 - 20.9)/(31 - 14) | -0.741176 |
| 20.4 (12/17/2020) | 20.9 (6/29/2016) | (20.4 - 20.9)/(32 - 14) | -0.0277778 |
| 23 (3/18/2021) | 20.9 (6/29/2016) | (23 - 20.9)/(33 - 14) | 0.110526 |
| 35.1 (5/5/2021) | 20.9 (6/29/2016) | (35.1 - 20.9)/(34 - 14) | 0.71 |
| 23.6 (9/2/2021) | 20.9 (6/29/2016) | (23.6 - 20.9)/(35 - 14) | 0.128571 |
| 10.5 (11/23/2021) | 20.9 (6/29/2016) | (10.5 - 20.9)/(36 - 14) | -0.472727 |
| 23.6 (1/11/2022) | 20.9 (6/29/2016) | (23.6 - 20.9)/(37 - 14) | 0.117391 |
| 21 (4/7/2022) | 20.9 (6/29/2016) | (21 - 20.9)/(38 - 14) | 0.00416667 |
| 33.7 (8/2/2022) | 20.9 (6/29/2016) | (33.7 - 20.9)/(39 - 14) | 0.512 |
| 7.4 (11/16/2022) | 20.9 (6/29/2016) | (7.4 - 20.9)/(40 - 14) | -0.519231 |
| 11.6 (2/14/2023) | 20.9 (6/29/2016) | (11.6 - 20.9)/(41 - 14) | -0.344444 |
| 21.7 (5/25/2023) | 20.9 (6/29/2016) | (21.7 - 20.9)/(42 - 14) | 0.0285714 |
| 6.8 (8/7/2023) | 20.9 (6/29/2016) | (6.8 - 20.9)/(43 - 14) | -0.486207 |
| 36.8 (12/12/2023) | 20.9 (6/29/2016) | (36.8 - 20.9)/(44 - 14) | 0.53 |
| 31.7 (1/10/2024) | 20.9 (6/29/2016) | (31.7 - 20.9)/(45 - 14) | 0.348387 |
| 28.6 (5/21/2024) | 20.9 (6/29/2016) | (28.6 - 20.9)/(46 - 14) | 0.240625 |
| 12.2 (9/16/2024) | 20.9 (6/29/2016) | (12.2 - 20.9)/(47 - 14) | -0.263636 |
| 30 (12/11/2024) | 20.9 (6/29/2016) | (30 - 20.9)/(48 - 14) | 0.267647 |
| 45.7 (2/18/2025) | 20.9 (6/29/2016) | (45.7 - 20.9)/(49 - 14) | 0.708571 |
| | | | |
| 17 (12/7/2016) | 14.3 (8/9/2016) | (17 - 14.3)/(16 - 15) | 2.7 |
| 57.1 (3/2/2017) | 14.3 (8/9/2016) | (57.1 - 14.3)/(17 - 15) | 21.4 |
| 28.5 (7/5/2017) | 14.3 (8/9/2016) | (28.5 - 14.3)/(18 - 15) | 4.73333 |
| 12.7 (8/16/2017) | 14.3 (8/9/2016) | (12.7 - 14.3)/(19 - 15) | -0.4 |
| 20.4 (10/25/2017) | 14.3 (8/9/2016) | (20.4 - 14.3)/(20 - 15) | 1.22 |
| 20.2 (3/28/2018) | 14.3 (8/9/2016) | (20.2 - 14.3)/(21 - 15) | 0.983333 |
| 18.2 (6/29/2018) | 14.3 (8/9/2016) | (18.2 - 14.3)/(22 - 15) | 0.557143 |
| 35.3 (8/2/2018) | 14.3 (8/9/2016) | (35.3 - 14.3)/(23 - 15) | 2.625 |
| 27.6 (12/10/2018) | 14.3 (8/9/2016) | (27.6 - 14.3)/(24 - 15) | 1.47778 |
| 35.5 (4/15/2019) | 14.3 (8/9/2016) | (35.5 - 14.3)/(25 - 15) | 2.12 |
| 52.3 (6/12/2019) | 14.3 (8/9/2016) | (52.3 - 14.3)/(26 - 15) | 3.45455 |
| 7.3 (8/27/2019) | 14.3 (8/9/2016) | (7.3 - 14.3)/(27 - 15) | -0.583333 |
| 17.6 (10/29/2019) | 14.3 (8/9/2016) | (17.6 - 14.3)/(28 - 15) | 0.253846 |
| 19 (3/30/2020) | 14.3 (8/9/2016) | (19 - 14.3)/(29 - 15) | 0.335714 |
| 14.6 (6/16/2020) | 14.3 (8/9/2016) | (14.6 - 14.3)/(30 - 15) | 0.02 |
| 8.3 (9/21/2020) | 14.3 (8/9/2016) | (8.3 - 14.3)/(31 - 15) | -0.375 |
| 20.4 (12/17/2020) | 14.3 (8/9/2016) | (20.4 - 14.3)/(32 - 15) | 0.358824 |
| 23 (3/18/2021) | 14.3 (8/9/2016) | (23 - 14.3)/(33 - 15) | 0.483333 |
| 35.1 (5/5/2021) | 14.3 (8/9/2016) | (35.1 - 14.3)/(34 - 15) | 1.09474 |
| 23.6 (9/2/2021) | 14.3 (8/9/2016) | (23.6 - 14.3)/(35 - 15) | 0.465 |
| 10.5 (11/23/2021) | 14.3 (8/9/2016) | (10.5 - 14.3)/(36 - 15) | -0.180952 |
| 23.6 (1/11/2022) | 14.3 (8/9/2016) | (23.6 - 14.3)/(37 - 15) | 0.422727 |
| 21 (4/7/2022) | 14.3 (8/9/2016) | (21 - 14.3)/(38 - 15) | 0.291304 |

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|---|---|---|---|
| 33.7 (8/2/2022) | 14.3 (8/9/2016) | (33.7 - 14.3)/(39 - 15) | 0.808333 |
| 7.4 (11/16/2022) | 14.3 (8/9/2016) | (7.4 - 14.3)/(40 - 15) | -0.276 |
| 11.6 (2/14/2023) | 14.3 (8/9/2016) | (11.6 - 14.3)/(41 - 15) | -0.103846 |
| 21.7 (5/25/2023) | 14.3 (8/9/2016) | (21.7 - 14.3)/(42 - 15) | 0.274074 |
| 6.8 (8/7/2023) | 14.3 (8/9/2016) | (6.8 - 14.3)/(43 - 15) | -0.267857 |
| 36.8 (12/12/2023) | 14.3 (8/9/2016) | (36.8 - 14.3)/(44 - 15) | 0.775862 |
| 31.7 (1/10/2024) | 14.3 (8/9/2016) | (31.7 - 14.3)/(45 - 15) | 0.58 |
| 28.6 (5/21/2024) | 14.3 (8/9/2016) | (28.6 - 14.3)/(46 - 15) | 0.46129 |
| 12.2 (9/16/2024) | 14.3 (8/9/2016) | (12.2 - 14.3)/(47 - 15) | -0.065625 |
| 30 (12/11/2024) | 14.3 (8/9/2016) | (30 - 14.3)/(48 - 15) | 0.475758 |
| 45.7 (2/18/2025) | 14.3 (8/9/2016) | (45.7 - 14.3)/(49 - 15) | 0.923529 |
| | | | |
| 57.1 (3/2/2017) | 17 (12/7/2016) | (57.1 - 17)/(17 - 16) | 40.1 |
| 28.5 (7/5/2017) | 17 (12/7/2016) | (28.5 - 17)/(18 - 16) | 5.75 |
| 12.7 (8/16/2017) | 17 (12/7/2016) | (12.7 - 17)/(19 - 16) | -1.43333 |
| 20.4 (10/25/2017) | 17 (12/7/2016) | (20.4 - 17)/(20 - 16) | 0.85 |
| 20.2 (3/28/2018) | 17 (12/7/2016) | (20.2 - 17)/(21 - 16) | 0.64 |
| 18.2 (6/29/2018) | 17 (12/7/2016) | (18.2 - 17)/(22 - 16) | 0.2 |
| 35.3 (8/2/2018) | 17 (12/7/2016) | (35.3 - 17)/(23 - 16) | 2.61429 |
| 27.6 (12/10/2018) | 17 (12/7/2016) | (27.6 - 17)/(24 - 16) | 1.325 |
| 35.5 (4/15/2019) | 17 (12/7/2016) | (35.5 - 17)/(25 - 16) | 2.05556 |
| 52.3 (6/12/2019) | 17 (12/7/2016) | (52.3 - 17)/(26 - 16) | 3.53 |
| 7.3 (8/27/2019) | 17 (12/7/2016) | (7.3 - 17)/(27 - 16) | -0.881818 |
| 17.6 (10/29/2019) | 17 (12/7/2016) | (17.6 - 17)/(28 - 16) | 0.05 |
| 19 (3/30/2020) | 17 (12/7/2016) | (19 - 17)/(29 - 16) | 0.153846 |
| 14.6 (6/16/2020) | 17 (12/7/2016) | (14.6 - 17)/(30 - 16) | -0.171429 |
| 8.3 (9/21/2020) | 17 (12/7/2016) | (8.3 - 17)/(31 - 16) | -0.58 |
| 20.4 (12/17/2020) | 17 (12/7/2016) | (20.4 - 17)/(32 - 16) | 0.2125 |
| 23 (3/18/2021) | 17 (12/7/2016) | (23 - 17)/(33 - 16) | 0.352941 |
| 35.1 (5/5/2021) | 17 (12/7/2016) | (35.1 - 17)/(34 - 16) | 1.00556 |
| 23.6 (9/2/2021) | 17 (12/7/2016) | (23.6 - 17)/(35 - 16) | 0.347368 |
| 10.5 (11/23/2021) | 17 (12/7/2016) | (10.5 - 17)/(36 - 16) | -0.325 |
| 23.6 (1/11/2022) | 17 (12/7/2016) | (23.6 - 17)/(37 - 16) | 0.314286 |
| 21 (4/7/2022) | 17 (12/7/2016) | (21 - 17)/(38 - 16) | 0.181818 |
| 33.7 (8/2/2022) | 17 (12/7/2016) | (33.7 - 17)/(39 - 16) | 0.726087 |
| 7.4 (11/16/2022) | 17 (12/7/2016) | (7.4 - 17)/(40 - 16) | -0.4 |
| 11.6 (2/14/2023) | 17 (12/7/2016) | (11.6 - 17)/(41 - 16) | -0.216 |
| 21.7 (5/25/2023) | 17 (12/7/2016) | (21.7 - 17)/(42 - 16) | 0.180769 |
| 6.8 (8/7/2023) | 17 (12/7/2016) | (6.8 - 17)/(43 - 16) | -0.377778 |
| 36.8 (12/12/2023) | 17 (12/7/2016) | (36.8 - 17)/(44 - 16) | 0.707143 |
| 31.7 (1/10/2024) | 17 (12/7/2016) | (31.7 - 17)/(45 - 16) | 0.506897 |
| 28.6 (5/21/2024) | 17 (12/7/2016) | (28.6 - 17)/(46 - 16) | 0.386667 |
| 12.2 (9/16/2024) | 17 (12/7/2016) | (12.2 - 17)/(47 - 16) | -0.154839 |
| 30 (12/11/2024) | 17 (12/7/2016) | (30 - 17)/(48 - 16) | 0.40625 |
| 45.7 (2/18/2025) | 17 (12/7/2016) | (45.7 - 17)/(49 - 16) | 0.869697 |
| | | | |
| 28.5 (7/5/2017) | 57.1 (3/2/2017) | (28.5 - 57.1)/(18 - 17) | -28.6 |
| 12.7 (8/16/2017) | 57.1 (3/2/2017) | (12.7 - 57.1)/(19 - 17) | -22.2 |
| 20.4 (10/25/2017) | 57.1 (3/2/2017) | (20.4 - 57.1)/(20 - 17) | -12.2333 |
| 20.2 (3/28/2018) | 57.1 (3/2/2017) | (20.2 - 57.1)/(21 - 17) | -9.225 |
| 18.2 (6/29/2018) | 57.1 (3/2/2017) | (18.2 - 57.1)/(22 - 17) | -7.78 |
| 35.3 (8/2/2018) | 57.1 (3/2/2017) | (35.3 - 57.1)/(23 - 17) | -3.63333 |
| 27.6 (12/10/2018) | 57.1 (3/2/2017) | (27.6 - 57.1)/(24 - 17) | -4.21429 |
| 35.5 (4/15/2019) | 57.1 (3/2/2017) | (35.5 - 57.1)/(25 - 17) | -2.7 |
| 52.3 (6/12/2019) | 57.1 (3/2/2017) | (52.3 - 57.1)/(26 - 17) | -0.533333 |
| 7.3 (8/27/2019) | 57.1 (3/2/2017) | (7.3 - 57.1)/(27 - 17) | -4.98 |
| 17.6 (10/29/2019) | 57.1 (3/2/2017) | (17.6 - 57.1)/(28 - 17) | -3.59091 |

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|---|---|---|---|
| 19 (3/30/2020) | 57.1 (3/2/2017) | (19 - 57.1)/(29 - 17) | -3.175 |
| 14.6 (6/16/2020) | 57.1 (3/2/2017) | (14.6 - 57.1)/(30 - 17) | -3.26923 |
| 8.3 (9/21/2020) | 57.1 (3/2/2017) | (8.3 - 57.1)/(31 - 17) | -3.48571 |
| 20.4 (12/17/2020) | 57.1 (3/2/2017) | (20.4 - 57.1)/(32 - 17) | -2.44667 |
| 23 (3/18/2021) | 57.1 (3/2/2017) | (23 - 57.1)/(33 - 17) | -2.13125 |
| 35.1 (5/5/2021) | 57.1 (3/2/2017) | (35.1 - 57.1)/(34 - 17) | -1.29412 |
| 23.6 (9/2/2021) | 57.1 (3/2/2017) | (23.6 - 57.1)/(35 - 17) | -1.86111 |
| 10.5 (11/23/2021) | 57.1 (3/2/2017) | (10.5 - 57.1)/(36 - 17) | -2.45263 |
| 23.6 (1/11/2022) | 57.1 (3/2/2017) | (23.6 - 57.1)/(37 - 17) | -1.675 |
| 21 (4/7/2022) | 57.1 (3/2/2017) | (21 - 57.1)/(38 - 17) | -1.71905 |
| 33.7 (8/2/2022) | 57.1 (3/2/2017) | (33.7 - 57.1)/(39 - 17) | -1.06364 |
| 7.4 (11/16/2022) | 57.1 (3/2/2017) | (7.4 - 57.1)/(40 - 17) | -2.16087 |
| 11.6 (2/14/2023) | 57.1 (3/2/2017) | (11.6 - 57.1)/(41 - 17) | -1.89583 |
| 21.7 (5/25/2023) | 57.1 (3/2/2017) | (21.7 - 57.1)/(42 - 17) | -1.416 |
| 6.8 (8/7/2023) | 57.1 (3/2/2017) | (6.8 - 57.1)/(43 - 17) | -1.93462 |
| 36.8 (12/12/2023) | 57.1 (3/2/2017) | (36.8 - 57.1)/(44 - 17) | -0.751852 |
| 31.7 (1/10/2024) | 57.1 (3/2/2017) | (31.7 - 57.1)/(45 - 17) | -0.907143 |
| 28.6 (5/21/2024) | 57.1 (3/2/2017) | (28.6 - 57.1)/(46 - 17) | -0.982759 |
| 12.2 (9/16/2024) | 57.1 (3/2/2017) | (12.2 - 57.1)/(47 - 17) | -1.49667 |
| 30 (12/11/2024) | 57.1 (3/2/2017) | (30 - 57.1)/(48 - 17) | -0.874194 |
| 45.7 (2/18/2025) | 57.1 (3/2/2017) | (45.7 - 57.1)/(49 - 17) | -0.35625 |
| | | | |
| 12.7 (8/16/2017) | 28.5 (7/5/2017) | (12.7 - 28.5)/(19 - 18) | -15.8 |
| 20.4 (10/25/2017) | 28.5 (7/5/2017) | (20.4 - 28.5)/(20 - 18) | -4.05 |
| 20.2 (3/28/2018) | 28.5 (7/5/2017) | (20.2 - 28.5)/(21 - 18) | -2.76667 |
| 18.2 (6/29/2018) | 28.5 (7/5/2017) | (18.2 - 28.5)/(22 - 18) | -2.575 |
| 35.3 (8/2/2018) | 28.5 (7/5/2017) | (35.3 - 28.5)/(23 - 18) | 1.36 |
| 27.6 (12/10/2018) | 28.5 (7/5/2017) | (27.6 - 28.5)/(24 - 18) | -0.15 |
| 35.5 (4/15/2019) | 28.5 (7/5/2017) | (35.5 - 28.5)/(25 - 18) | 1 |
| 52.3 (6/12/2019) | 28.5 (7/5/2017) | (52.3 - 28.5)/(26 - 18) | 2.975 |
| 7.3 (8/27/2019) | 28.5 (7/5/2017) | (7.3 - 28.5)/(27 - 18) | -2.35556 |
| 17.6 (10/29/2019) | 28.5 (7/5/2017) | (17.6 - 28.5)/(28 - 18) | -1.09 |
| 19 (3/30/2020) | 28.5 (7/5/2017) | (19 - 28.5)/(29 - 18) | -0.863636 |
| 14.6 (6/16/2020) | 28.5 (7/5/2017) | (14.6 - 28.5)/(30 - 18) | -1.15833 |
| 8.3 (9/21/2020) | 28.5 (7/5/2017) | (8.3 - 28.5)/(31 - 18) | -1.55385 |
| 20.4 (12/17/2020) | 28.5 (7/5/2017) | (20.4 - 28.5)/(32 - 18) | -0.578571 |
| 23 (3/18/2021) | 28.5 (7/5/2017) | (23 - 28.5)/(33 - 18) | -0.366667 |
| 35.1 (5/5/2021) | 28.5 (7/5/2017) | (35.1 - 28.5)/(34 - 18) | 0.4125 |
| 23.6 (9/2/2021) | 28.5 (7/5/2017) | (23.6 - 28.5)/(35 - 18) | -0.288235 |
| 10.5 (11/23/2021) | 28.5 (7/5/2017) | (10.5 - 28.5)/(36 - 18) | -1 |
| 23.6 (1/11/2022) | 28.5 (7/5/2017) | (23.6 - 28.5)/(37 - 18) | -0.257895 |
| 21 (4/7/2022) | 28.5 (7/5/2017) | (21 - 28.5)/(38 - 18) | -0.375 |
| 33.7 (8/2/2022) | 28.5 (7/5/2017) | (33.7 - 28.5)/(39 - 18) | 0.247619 |
| 7.4 (11/16/2022) | 28.5 (7/5/2017) | (7.4 - 28.5)/(40 - 18) | -0.959091 |
| 11.6 (2/14/2023) | 28.5 (7/5/2017) | (11.6 - 28.5)/(41 - 18) | -0.734783 |
| 21.7 (5/25/2023) | 28.5 (7/5/2017) | (21.7 - 28.5)/(42 - 18) | -0.283333 |
| 6.8 (8/7/2023) | 28.5 (7/5/2017) | (6.8 - 28.5)/(43 - 18) | -0.868 |
| 36.8 (12/12/2023) | 28.5 (7/5/2017) | (36.8 - 28.5)/(44 - 18) | 0.319231 |
| 31.7 (1/10/2024) | 28.5 (7/5/2017) | (31.7 - 28.5)/(45 - 18) | 0.118519 |
| 28.6 (5/21/2024) | 28.5 (7/5/2017) | (28.6 - 28.5)/(46 - 18) | 0.00357143 |
| 12.2 (9/16/2024) | 28.5 (7/5/2017) | (12.2 - 28.5)/(47 - 18) | -0.562069 |
| 30 (12/11/2024) | 28.5 (7/5/2017) | (30 - 28.5)/(48 - 18) | 0.05 |
| 45.7 (2/18/2025) | 28.5 (7/5/2017) | (45.7 - 28.5)/(49 - 18) | 0.554839 |
| | | | |
| 20.4 (10/25/2017) | 12.7 (8/16/2017) | (20.4 - 12.7)/(20 - 19) | 7.7 |
| 20.2 (3/28/2018) | 12.7 (8/16/2017) | (20.2 - 12.7)/(21 - 19) | 3.75 |
| 18.2 (6/29/2018) | 12.7 (8/16/2017) | (18.2 - 12.7)/(22 - 19) | 1.83333 |

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|---|---|---|---|
| 35.3 (8/2/2018) | 12.7 (8/16/2017) | (35.3 - 12.7)/(23 - 19) | 5.65 |
| 27.6 (12/10/2018) | 12.7 (8/16/2017) | (27.6 - 12.7)/(24 - 19) | 2.98 |
| 35.5 (4/15/2019) | 12.7 (8/16/2017) | (35.5 - 12.7)/(25 - 19) | 3.8 |
| 52.3 (6/12/2019) | 12.7 (8/16/2017) | (52.3 - 12.7)/(26 - 19) | 5.65714 |
| 7.3 (8/27/2019) | 12.7 (8/16/2017) | (7.3 - 12.7)/(27 - 19) | -0.675 |
| 17.6 (10/29/2019) | 12.7 (8/16/2017) | (17.6 - 12.7)/(28 - 19) | 0.544444 |
| 19 (3/30/2020) | 12.7 (8/16/2017) | (19 - 12.7)/(29 - 19) | 0.63 |
| 14.6 (6/16/2020) | 12.7 (8/16/2017) | (14.6 - 12.7)/(30 - 19) | 0.172727 |
| 8.3 (9/21/2020) | 12.7 (8/16/2017) | (8.3 - 12.7)/(31 - 19) | -0.366667 |
| 20.4 (12/17/2020) | 12.7 (8/16/2017) | (20.4 - 12.7)/(32 - 19) | 0.592308 |
| 23 (3/18/2021) | 12.7 (8/16/2017) | (23 - 12.7)/(33 - 19) | 0.735714 |
| 35.1 (5/5/2021) | 12.7 (8/16/2017) | (35.1 - 12.7)/(34 - 19) | 1.49333 |
| 23.6 (9/2/2021) | 12.7 (8/16/2017) | (23.6 - 12.7)/(35 - 19) | 0.68125 |
| 10.5 (11/23/2021) | 12.7 (8/16/2017) | (10.5 - 12.7)/(36 - 19) | -0.129412 |
| 23.6 (1/11/2022) | 12.7 (8/16/2017) | (23.6 - 12.7)/(37 - 19) | 0.605556 |
| 21 (4/7/2022) | 12.7 (8/16/2017) | (21 - 12.7)/(38 - 19) | 0.436842 |
| 33.7 (8/2/2022) | 12.7 (8/16/2017) | (33.7 - 12.7)/(39 - 19) | 1.05 |
| 7.4 (11/16/2022) | 12.7 (8/16/2017) | (7.4 - 12.7)/(40 - 19) | -0.252381 |
| 11.6 (2/14/2023) | 12.7 (8/16/2017) | (11.6 - 12.7)/(41 - 19) | -0.05 |
| 21.7 (5/25/2023) | 12.7 (8/16/2017) | (21.7 - 12.7)/(42 - 19) | 0.391304 |
| 6.8 (8/7/2023) | 12.7 (8/16/2017) | (6.8 - 12.7)/(43 - 19) | -0.245833 |
| 36.8 (12/12/2023) | 12.7 (8/16/2017) | (36.8 - 12.7)/(44 - 19) | 0.964 |
| 31.7 (1/10/2024) | 12.7 (8/16/2017) | (31.7 - 12.7)/(45 - 19) | 0.730769 |
| 28.6 (5/21/2024) | 12.7 (8/16/2017) | (28.6 - 12.7)/(46 - 19) | 0.588889 |
| 12.2 (9/16/2024) | 12.7 (8/16/2017) | (12.2 - 12.7)/(47 - 19) | -0.0178571 |
| 30 (12/11/2024) | 12.7 (8/16/2017) | (30 - 12.7)/(48 - 19) | 0.596552 |
| 45.7 (2/18/2025) | 12.7 (8/16/2017) | (45.7 - 12.7)/(49 - 19) | 1.1 |
| | | | |
| 20.2 (3/28/2018) | 20.4 (10/25/2017) | (20.2 - 20.4)/(21 - 20) | -0.2 |
| 18.2 (6/29/2018) | 20.4 (10/25/2017) | (18.2 - 20.4)/(22 - 20) | -1.1 |
| 35.3 (8/2/2018) | 20.4 (10/25/2017) | (35.3 - 20.4)/(23 - 20) | 4.96667 |
| 27.6 (12/10/2018) | 20.4 (10/25/2017) | (27.6 - 20.4)/(24 - 20) | 1.8 |
| 35.5 (4/15/2019) | 20.4 (10/25/2017) | (35.5 - 20.4)/(25 - 20) | 3.02 |
| 52.3 (6/12/2019) | 20.4 (10/25/2017) | (52.3 - 20.4)/(26 - 20) | 5.31667 |
| 7.3 (8/27/2019) | 20.4 (10/25/2017) | (7.3 - 20.4)/(27 - 20) | -1.87143 |
| 17.6 (10/29/2019) | 20.4 (10/25/2017) | (17.6 - 20.4)/(28 - 20) | -0.35 |
| 19 (3/30/2020) | 20.4 (10/25/2017) | (19 - 20.4)/(29 - 20) | -0.155556 |
| 14.6 (6/16/2020) | 20.4 (10/25/2017) | (14.6 - 20.4)/(30 - 20) | -0.58 |
| 8.3 (9/21/2020) | 20.4 (10/25/2017) | (8.3 - 20.4)/(31 - 20) | -1.1 |
| 20.4 (12/17/2020) | 20.4 (10/25/2017) | (20.4 - 20.4)/(32 - 20) | 0 |
| 23 (3/18/2021) | 20.4 (10/25/2017) | (23 - 20.4)/(33 - 20) | 0.2 |
| 35.1 (5/5/2021) | 20.4 (10/25/2017) | (35.1 - 20.4)/(34 - 20) | 1.05 |
| 23.6 (9/2/2021) | 20.4 (10/25/2017) | (23.6 - 20.4)/(35 - 20) | 0.213333 |
| 10.5 (11/23/2021) | 20.4 (10/25/2017) | (10.5 - 20.4)/(36 - 20) | -0.61875 |
| 23.6 (1/11/2022) | 20.4 (10/25/2017) | (23.6 - 20.4)/(37 - 20) | 0.188235 |
| 21 (4/7/2022) | 20.4 (10/25/2017) | (21 - 20.4)/(38 - 20) | 0.0333333 |
| 33.7 (8/2/2022) | 20.4 (10/25/2017) | (33.7 - 20.4)/(39 - 20) | 0.7 |
| 7.4 (11/16/2022) | 20.4 (10/25/2017) | (7.4 - 20.4)/(40 - 20) | -0.65 |
| 11.6 (2/14/2023) | 20.4 (10/25/2017) | (11.6 - 20.4)/(41 - 20) | -0.419048 |
| 21.7 (5/25/2023) | 20.4 (10/25/2017) | (21.7 - 20.4)/(42 - 20) | 0.0590909 |
| 6.8 (8/7/2023) | 20.4 (10/25/2017) | (6.8 - 20.4)/(43 - 20) | -0.591304 |
| 36.8 (12/12/2023) | 20.4 (10/25/2017) | (36.8 - 20.4)/(44 - 20) | 0.683333 |
| 31.7 (1/10/2024) | 20.4 (10/25/2017) | (31.7 - 20.4)/(45 - 20) | 0.452 |
| 28.6 (5/21/2024) | 20.4 (10/25/2017) | (28.6 - 20.4)/(46 - 20) | 0.315385 |
| 12.2 (9/16/2024) | 20.4 (10/25/2017) | (12.2 - 20.4)/(47 - 20) | -0.303704 |
| 30 (12/11/2024) | 20.4 (10/25/2017) | (30 - 20.4)/(48 - 20) | 0.342857 |
| 45.7 (2/18/2025) | 20.4 (10/25/2017) | (45.7 - 20.4)/(49 - 20) | 0.872414 |

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|---|---|---|---|
| 18.2 (6/29/2018) | 20.2 (3/28/2018) | (18.2 - 20.2)/(22 - 21) | -2 |
| 35.3 (8/2/2018) | 20.2 (3/28/2018) | (35.3 - 20.2)/(23 - 21) | 7.55 |
| 27.6 (12/10/2018) | 20.2 (3/28/2018) | (27.6 - 20.2)/(24 - 21) | 2.46667 |
| 35.5 (4/15/2019) | 20.2 (3/28/2018) | (35.5 - 20.2)/(25 - 21) | 3.825 |
| 52.3 (6/12/2019) | 20.2 (3/28/2018) | (52.3 - 20.2)/(26 - 21) | 6.42 |
| 7.3 (8/27/2019) | 20.2 (3/28/2018) | (7.3 - 20.2)/(27 - 21) | -2.15 |
| 17.6 (10/29/2019) | 20.2 (3/28/2018) | (17.6 - 20.2)/(28 - 21) | -0.371429 |
| 19 (3/30/2020) | 20.2 (3/28/2018) | (19 - 20.2)/(29 - 21) | -0.15 |
| 14.6 (6/16/2020) | 20.2 (3/28/2018) | (14.6 - 20.2)/(30 - 21) | -0.622222 |
| 8.3 (9/21/2020) | 20.2 (3/28/2018) | (8.3 - 20.2)/(31 - 21) | -1.19 |
| 20.4 (12/17/2020) | 20.2 (3/28/2018) | (20.4 - 20.2)/(32 - 21) | 0.0181818 |
| 23 (3/18/2021) | 20.2 (3/28/2018) | (23 - 20.2)/(33 - 21) | 0.233333 |
| 35.1 (5/5/2021) | 20.2 (3/28/2018) | (35.1 - 20.2)/(34 - 21) | 1.14615 |
| 23.6 (9/2/2021) | 20.2 (3/28/2018) | (23.6 - 20.2)/(35 - 21) | 0.242857 |
| 10.5 (11/23/2021) | 20.2 (3/28/2018) | (10.5 - 20.2)/(36 - 21) | -0.646667 |
| 23.6 (1/11/2022) | 20.2 (3/28/2018) | (23.6 - 20.2)/(37 - 21) | 0.2125 |
| 21 (4/7/2022) | 20.2 (3/28/2018) | (21 - 20.2)/(38 - 21) | 0.0470588 |
| 33.7 (8/2/2022) | 20.2 (3/28/2018) | (33.7 - 20.2)/(39 - 21) | 0.75 |
| 7.4 (11/16/2022) | 20.2 (3/28/2018) | (7.4 - 20.2)/(40 - 21) | -0.673684 |
| 11.6 (2/14/2023) | 20.2 (3/28/2018) | (11.6 - 20.2)/(41 - 21) | -0.43 |
| 21.7 (5/25/2023) | 20.2 (3/28/2018) | (21.7 - 20.2)/(42 - 21) | 0.0714286 |
| 6.8 (8/7/2023) | 20.2 (3/28/2018) | (6.8 - 20.2)/(43 - 21) | -0.609091 |
| 36.8 (12/12/2023) | 20.2 (3/28/2018) | (36.8 - 20.2)/(44 - 21) | 0.721739 |
| 31.7 (1/10/2024) | 20.2 (3/28/2018) | (31.7 - 20.2)/(45 - 21) | 0.479167 |
| 28.6 (5/21/2024) | 20.2 (3/28/2018) | (28.6 - 20.2)/(46 - 21) | 0.336 |
| 12.2 (9/16/2024) | 20.2 (3/28/2018) | (12.2 - 20.2)/(47 - 21) | -0.307692 |
| 30 (12/11/2024) | 20.2 (3/28/2018) | (30 - 20.2)/(48 - 21) | 0.362963 |
| 45.7 (2/18/2025) | 20.2 (3/28/2018) | (45.7 - 20.2)/(49 - 21) | 0.910714 |
| | | | |
| 35.3 (8/2/2018) | 18.2 (6/29/2018) | (35.3 - 18.2)/(23 - 22) | 17.1 |
| 27.6 (12/10/2018) | 18.2 (6/29/2018) | (27.6 - 18.2)/(24 - 22) | 4.7 |
| 35.5 (4/15/2019) | 18.2 (6/29/2018) | (35.5 - 18.2)/(25 - 22) | 5.76667 |
| 52.3 (6/12/2019) | 18.2 (6/29/2018) | (52.3 - 18.2)/(26 - 22) | 8.525 |
| 7.3 (8/27/2019) | 18.2 (6/29/2018) | (7.3 - 18.2)/(27 - 22) | -2.18 |
| 17.6 (10/29/2019) | 18.2 (6/29/2018) | (17.6 - 18.2)/(28 - 22) | -0.1 |
| 19 (3/30/2020) | 18.2 (6/29/2018) | (19 - 18.2)/(29 - 22) | 0.114286 |
| 14.6 (6/16/2020) | 18.2 (6/29/2018) | (14.6 - 18.2)/(30 - 22) | -0.45 |
| 8.3 (9/21/2020) | 18.2 (6/29/2018) | (8.3 - 18.2)/(31 - 22) | -1.1 |
| 20.4 (12/17/2020) | 18.2 (6/29/2018) | (20.4 - 18.2)/(32 - 22) | 0.22 |
| 23 (3/18/2021) | 18.2 (6/29/2018) | (23 - 18.2)/(33 - 22) | 0.436364 |
| 35.1 (5/5/2021) | 18.2 (6/29/2018) | (35.1 - 18.2)/(34 - 22) | 1.40833 |
| 23.6 (9/2/2021) | 18.2 (6/29/2018) | (23.6 - 18.2)/(35 - 22) | 0.415385 |
| 10.5 (11/23/2021) | 18.2 (6/29/2018) | (10.5 - 18.2)/(36 - 22) | -0.55 |
| 23.6 (1/11/2022) | 18.2 (6/29/2018) | (23.6 - 18.2)/(37 - 22) | 0.36 |
| 21 (4/7/2022) | 18.2 (6/29/2018) | (21 - 18.2)/(38 - 22) | 0.175 |
| 33.7 (8/2/2022) | 18.2 (6/29/2018) | (33.7 - 18.2)/(39 - 22) | 0.911765 |
| 7.4 (11/16/2022) | 18.2 (6/29/2018) | (7.4 - 18.2)/(40 - 22) | -0.6 |
| 11.6 (2/14/2023) | 18.2 (6/29/2018) | (11.6 - 18.2)/(41 - 22) | -0.347368 |
| 21.7 (5/25/2023) | 18.2 (6/29/2018) | (21.7 - 18.2)/(42 - 22) | 0.175 |
| 6.8 (8/7/2023) | 18.2 (6/29/2018) | (6.8 - 18.2)/(43 - 22) | -0.542857 |
| 36.8 (12/12/2023) | 18.2 (6/29/2018) | (36.8 - 18.2)/(44 - 22) | 0.845455 |
| 31.7 (1/10/2024) | 18.2 (6/29/2018) | (31.7 - 18.2)/(45 - 22) | 0.586957 |
| 28.6 (5/21/2024) | 18.2 (6/29/2018) | (28.6 - 18.2)/(46 - 22) | 0.433333 |
| 12.2 (9/16/2024) | 18.2 (6/29/2018) | (12.2 - 18.2)/(47 - 22) | -0.24 |
| 30 (12/11/2024) | 18.2 (6/29/2018) | (30 - 18.2)/(48 - 22) | 0.453846 |
| 45.7 (2/18/2025) | 18.2 (6/29/2018) | (45.7 - 18.2)/(49 - 22) | 1.01852 |

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| 27.6 (12/10/2018) | 35.3 (8/2/2018) | (27.6 - 35.3)/(24 - 23) | -7.7 |
| 35.5 (4/15/2019) | 35.3 (8/2/2018) | (35.5 - 35.3)/(25 - 23) | 0.1 |
| 52.3 (6/12/2019) | 35.3 (8/2/2018) | (52.3 - 35.3)/(26 - 23) | 5.66667 |
| 7.3 (8/27/2019) | 35.3 (8/2/2018) | (7.3 - 35.3)/(27 - 23) | -7 |
| 17.6 (10/29/2019) | 35.3 (8/2/2018) | (17.6 - 35.3)/(28 - 23) | -3.54 |
| 19 (3/30/2020) | 35.3 (8/2/2018) | (19 - 35.3)/(29 - 23) | -2.71667 |
| 14.6 (6/16/2020) | 35.3 (8/2/2018) | (14.6 - 35.3)/(30 - 23) | -2.95714 |
| 8.3 (9/21/2020) | 35.3 (8/2/2018) | (8.3 - 35.3)/(31 - 23) | -3.375 |
| 20.4 (12/17/2020) | 35.3 (8/2/2018) | (20.4 - 35.3)/(32 - 23) | -1.65556 |
| 23 (3/18/2021) | 35.3 (8/2/2018) | (23 - 35.3)/(33 - 23) | -1.23 |
| 35.1 (5/5/2021) | 35.3 (8/2/2018) | (35.1 - 35.3)/(34 - 23) | -0.0181818 |
| 23.6 (9/2/2021) | 35.3 (8/2/2018) | (23.6 - 35.3)/(35 - 23) | -0.975 |
| 10.5 (11/23/2021) | 35.3 (8/2/2018) | (10.5 - 35.3)/(36 - 23) | -1.90769 |
| 23.6 (1/11/2022) | 35.3 (8/2/2018) | (23.6 - 35.3)/(37 - 23) | -0.835714 |
| 21 (4/7/2022) | 35.3 (8/2/2018) | (21 - 35.3)/(38 - 23) | -0.953333 |
| 33.7 (8/2/2022) | 35.3 (8/2/2018) | (33.7 - 35.3)/(39 - 23) | -0.1 |
| 7.4 (11/16/2022) | 35.3 (8/2/2018) | (7.4 - 35.3)/(40 - 23) | -1.64118 |
| 11.6 (2/14/2023) | 35.3 (8/2/2018) | (11.6 - 35.3)/(41 - 23) | -1.31667 |
| 21.7 (5/25/2023) | 35.3 (8/2/2018) | (21.7 - 35.3)/(42 - 23) | -0.715789 |
| 6.8 (8/7/2023) | 35.3 (8/2/2018) | (6.8 - 35.3)/(43 - 23) | -1.425 |
| 36.8 (12/12/2023) | 35.3 (8/2/2018) | (36.8 - 35.3)/(44 - 23) | 0.0714286 |
| 31.7 (1/10/2024) | 35.3 (8/2/2018) | (31.7 - 35.3)/(45 - 23) | -0.163636 |
| 28.6 (5/21/2024) | 35.3 (8/2/2018) | (28.6 - 35.3)/(46 - 23) | -0.291304 |
| 12.2 (9/16/2024) | 35.3 (8/2/2018) | (12.2 - 35.3)/(47 - 23) | -0.9625 |
| 30 (12/11/2024) | 35.3 (8/2/2018) | (30 - 35.3)/(48 - 23) | -0.212 |
| 45.7 (2/18/2025) | 35.3 (8/2/2018) | (45.7 - 35.3)/(49 - 23) | 0.4 |
| | | | |
| 35.5 (4/15/2019) | 27.6 (12/10/2018) | (35.5 - 27.6)/(25 - 24) | 7.9 |
| 52.3 (6/12/2019) | 27.6 (12/10/2018) | (52.3 - 27.6)/(26 - 24) | 12.35 |
| 7.3 (8/27/2019) | 27.6 (12/10/2018) | (7.3 - 27.6)/(27 - 24) | -6.76667 |
| 17.6 (10/29/2019) | 27.6 (12/10/2018) | (17.6 - 27.6)/(28 - 24) | -2.5 |
| 19 (3/30/2020) | 27.6 (12/10/2018) | (19 - 27.6)/(29 - 24) | -1.72 |
| 14.6 (6/16/2020) | 27.6 (12/10/2018) | (14.6 - 27.6)/(30 - 24) | -2.16667 |
| 8.3 (9/21/2020) | 27.6 (12/10/2018) | (8.3 - 27.6)/(31 - 24) | -2.75714 |
| 20.4 (12/17/2020) | 27.6 (12/10/2018) | (20.4 - 27.6)/(32 - 24) | -0.9 |
| 23 (3/18/2021) | 27.6 (12/10/2018) | (23 - 27.6)/(33 - 24) | -0.511111 |
| 35.1 (5/5/2021) | 27.6 (12/10/2018) | (35.1 - 27.6)/(34 - 24) | 0.75 |
| 23.6 (9/2/2021) | 27.6 (12/10/2018) | (23.6 - 27.6)/(35 - 24) | -0.363636 |
| 10.5 (11/23/2021) | 27.6 (12/10/2018) | (10.5 - 27.6)/(36 - 24) | -1.425 |
| 23.6 (1/11/2022) | 27.6 (12/10/2018) | (23.6 - 27.6)/(37 - 24) | -0.307692 |
| 21 (4/7/2022) | 27.6 (12/10/2018) | (21 - 27.6)/(38 - 24) | -0.471429 |
| 33.7 (8/2/2022) | 27.6 (12/10/2018) | (33.7 - 27.6)/(39 - 24) | 0.406667 |
| 7.4 (11/16/2022) | 27.6 (12/10/2018) | (7.4 - 27.6)/(40 - 24) | -1.2625 |
| 11.6 (2/14/2023) | 27.6 (12/10/2018) | (11.6 - 27.6)/(41 - 24) | -0.941176 |
| 21.7 (5/25/2023) | 27.6 (12/10/2018) | (21.7 - 27.6)/(42 - 24) | -0.327778 |
| 6.8 (8/7/2023) | 27.6 (12/10/2018) | (6.8 - 27.6)/(43 - 24) | -1.09474 |
| 36.8 (12/12/2023) | 27.6 (12/10/2018) | (36.8 - 27.6)/(44 - 24) | 0.46 |
| 31.7 (1/10/2024) | 27.6 (12/10/2018) | (31.7 - 27.6)/(45 - 24) | 0.195238 |
| 28.6 (5/21/2024) | 27.6 (12/10/2018) | (28.6 - 27.6)/(46 - 24) | 0.0454545 |
| 12.2 (9/16/2024) | 27.6 (12/10/2018) | (12.2 - 27.6)/(47 - 24) | -0.669565 |
| 30 (12/11/2024) | 27.6 (12/10/2018) | (30 - 27.6)/(48 - 24) | 0.1 |
| 45.7 (2/18/2025) | 27.6 (12/10/2018) | (45.7 - 27.6)/(49 - 24) | 0.724 |
| | | | |
| 52.3 (6/12/2019) | 35.5 (4/15/2019) | (52.3 - 35.5)/(26 - 25) | 16.8 |
| 7.3 (8/27/2019) | 35.5 (4/15/2019) | (7.3 - 35.5)/(27 - 25) | -14.1 |
| 17.6 (10/29/2019) | 35.5 (4/15/2019) | (17.6 - 35.5)/(28 - 25) | -5.96667 |

| | | | |
|---|---|---|---|
| 19 (3/30/2020) | 35.5 (4/15/2019) | (19 - 35.5)/(29 - 25) | -4.125 |
| 14.6 (6/16/2020) | 35.5 (4/15/2019) | (14.6 - 35.5)/(30 - 25) | -4.18 |
| 8.3 (9/21/2020) | 35.5 (4/15/2019) | (8.3 - 35.5)/(31 - 25) | -4.53333 |
| 20.4 (12/17/2020) | 35.5 (4/15/2019) | (20.4 - 35.5)/(32 - 25) | -2.15714 |
| 23 (3/18/2021) | 35.5 (4/15/2019) | (23 - 35.5)/(33 - 25) | -1.5625 |
| 35.1 (5/5/2021) | 35.5 (4/15/2019) | (35.1 - 35.5)/(34 - 25) | -0.0444444 |
| 23.6 (9/2/2021) | 35.5 (4/15/2019) | (23.6 - 35.5)/(35 - 25) | -1.19 |
| 10.5 (11/23/2021) | 35.5 (4/15/2019) | (10.5 - 35.5)/(36 - 25) | -2.27273 |
| 23.6 (1/11/2022) | 35.5 (4/15/2019) | (23.6 - 35.5)/(37 - 25) | -0.991667 |
| 21 (4/7/2022) | 35.5 (4/15/2019) | (21 - 35.5)/(38 - 25) | -1.11538 |
| 33.7 (8/2/2022) | 35.5 (4/15/2019) | (33.7 - 35.5)/(39 - 25) | -0.128571 |
| 7.4 (11/16/2022) | 35.5 (4/15/2019) | (7.4 - 35.5)/(40 - 25) | -1.87333 |
| 11.6 (2/14/2023) | 35.5 (4/15/2019) | (11.6 - 35.5)/(41 - 25) | -1.49375 |
| 21.7 (5/25/2023) | 35.5 (4/15/2019) | (21.7 - 35.5)/(42 - 25) | -0.811765 |
| 6.8 (8/7/2023) | 35.5 (4/15/2019) | (6.8 - 35.5)/(43 - 25) | -1.59444 |
| 36.8 (12/12/2023) | 35.5 (4/15/2019) | (36.8 - 35.5)/(44 - 25) | 0.0684211 |
| 31.7 (1/10/2024) | 35.5 (4/15/2019) | (31.7 - 35.5)/(45 - 25) | -0.19 |
| 28.6 (5/21/2024) | 35.5 (4/15/2019) | (28.6 - 35.5)/(46 - 25) | -0.328571 |
| 12.2 (9/16/2024) | 35.5 (4/15/2019) | (12.2 - 35.5)/(47 - 25) | -1.05909 |
| 30 (12/11/2024) | 35.5 (4/15/2019) | (30 - 35.5)/(48 - 25) | -0.23913 |
| 45.7 (2/18/2025) | 35.5 (4/15/2019) | (45.7 - 35.5)/(49 - 25) | 0.425 |
| | | | |
| 7.3 (8/27/2019) | 52.3 (6/12/2019) | (7.3 - 52.3)/(27 - 26) | -45 |
| 17.6 (10/29/2019) | 52.3 (6/12/2019) | (17.6 - 52.3)/(28 - 26) | -17.35 |
| 19 (3/30/2020) | 52.3 (6/12/2019) | (19 - 52.3)/(29 - 26) | -11.1 |
| 14.6 (6/16/2020) | 52.3 (6/12/2019) | (14.6 - 52.3)/(30 - 26) | -9.425 |
| 8.3 (9/21/2020) | 52.3 (6/12/2019) | (8.3 - 52.3)/(31 - 26) | -8.8 |
| 20.4 (12/17/2020) | 52.3 (6/12/2019) | (20.4 - 52.3)/(32 - 26) | -5.31667 |
| 23 (3/18/2021) | 52.3 (6/12/2019) | (23 - 52.3)/(33 - 26) | -4.18571 |
| 35.1 (5/5/2021) | 52.3 (6/12/2019) | (35.1 - 52.3)/(34 - 26) | -2.15 |
| 23.6 (9/2/2021) | 52.3 (6/12/2019) | (23.6 - 52.3)/(35 - 26) | -3.18889 |
| 10.5 (11/23/2021) | 52.3 (6/12/2019) | (10.5 - 52.3)/(36 - 26) | -4.18 |
| 23.6 (1/11/2022) | 52.3 (6/12/2019) | (23.6 - 52.3)/(37 - 26) | -2.60909 |
| 21 (4/7/2022) | 52.3 (6/12/2019) | (21 - 52.3)/(38 - 26) | -2.60833 |
| 33.7 (8/2/2022) | 52.3 (6/12/2019) | (33.7 - 52.3)/(39 - 26) | -1.43077 |
| 7.4 (11/16/2022) | 52.3 (6/12/2019) | (7.4 - 52.3)/(40 - 26) | -3.20714 |
| 11.6 (2/14/2023) | 52.3 (6/12/2019) | (11.6 - 52.3)/(41 - 26) | -2.71333 |
| 21.7 (5/25/2023) | 52.3 (6/12/2019) | (21.7 - 52.3)/(42 - 26) | -1.9125 |
| 6.8 (8/7/2023) | 52.3 (6/12/2019) | (6.8 - 52.3)/(43 - 26) | -2.67647 |
| 36.8 (12/12/2023) | 52.3 (6/12/2019) | (36.8 - 52.3)/(44 - 26) | -0.861111 |
| 31.7 (1/10/2024) | 52.3 (6/12/2019) | (31.7 - 52.3)/(45 - 26) | -1.08421 |
| 28.6 (5/21/2024) | 52.3 (6/12/2019) | (28.6 - 52.3)/(46 - 26) | -1.185 |
| 12.2 (9/16/2024) | 52.3 (6/12/2019) | (12.2 - 52.3)/(47 - 26) | -1.90952 |
| 30 (12/11/2024) | 52.3 (6/12/2019) | (30 - 52.3)/(48 - 26) | -1.01364 |
| 45.7 (2/18/2025) | 52.3 (6/12/2019) | (45.7 - 52.3)/(49 - 26) | -0.286957 |
| | | | |
| 17.6 (10/29/2019) | 7.3 (8/27/2019) | (17.6 - 7.3)/(28 - 27) | 10.3 |
| 19 (3/30/2020) | 7.3 (8/27/2019) | (19 - 7.3)/(29 - 27) | 5.85 |
| 14.6 (6/16/2020) | 7.3 (8/27/2019) | (14.6 - 7.3)/(30 - 27) | 2.43333 |
| 8.3 (9/21/2020) | 7.3 (8/27/2019) | (8.3 - 7.3)/(31 - 27) | 0.25 |
| 20.4 (12/17/2020) | 7.3 (8/27/2019) | (20.4 - 7.3)/(32 - 27) | 2.62 |
| 23 (3/18/2021) | 7.3 (8/27/2019) | (23 - 7.3)/(33 - 27) | 2.61667 |
| 35.1 (5/5/2021) | 7.3 (8/27/2019) | (35.1 - 7.3)/(34 - 27) | 3.97143 |
| 23.6 (9/2/2021) | 7.3 (8/27/2019) | (23.6 - 7.3)/(35 - 27) | 2.0375 |
| 10.5 (11/23/2021) | 7.3 (8/27/2019) | (10.5 - 7.3)/(36 - 27) | 0.355556 |
| 23.6 (1/11/2022) | 7.3 (8/27/2019) | (23.6 - 7.3)/(37 - 27) | 1.63 |
| 21 (4/7/2022) | 7.3 (8/27/2019) | (21 - 7.3)/(38 - 27) | 1.24545 |

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|---|---|---|---|
| 33.7 (8/2/2022) | 7.3 (8/27/2019) | (33.7 - 7.3)/(39 - 27) | 2.2 |
| 7.4 (11/16/2022) | 7.3 (8/27/2019) | (7.4 - 7.3)/(40 - 27) | 0.00769231 |
| 11.6 (2/14/2023) | 7.3 (8/27/2019) | (11.6 - 7.3)/(41 - 27) | 0.307143 |
| 21.7 (5/25/2023) | 7.3 (8/27/2019) | (21.7 - 7.3)/(42 - 27) | 0.96 |
| 6.8 (8/7/2023) | 7.3 (8/27/2019) | (6.8 - 7.3)/(43 - 27) | -0.03125 |
| 36.8 (12/12/2023) | 7.3 (8/27/2019) | (36.8 - 7.3)/(44 - 27) | 1.73529 |
| 31.7 (1/10/2024) | 7.3 (8/27/2019) | (31.7 - 7.3)/(45 - 27) | 1.35556 |
| 28.6 (5/21/2024) | 7.3 (8/27/2019) | (28.6 - 7.3)/(46 - 27) | 1.12105 |
| 12.2 (9/16/2024) | 7.3 (8/27/2019) | (12.2 - 7.3)/(47 - 27) | 0.245 |
| 30 (12/11/2024) | 7.3 (8/27/2019) | (30 - 7.3)/(48 - 27) | 1.08095 |
| 45.7 (2/18/2025) | 7.3 (8/27/2019) | (45.7 - 7.3)/(49 - 27) | 1.74545 |
| | | | |
| 19 (3/30/2020) | 17.6 (10/29/2019) | (19 - 17.6)/(29 - 28) | 1.4 |
| 14.6 (6/16/2020) | 17.6 (10/29/2019) | (14.6 - 17.6)/(30 - 28) | -1.5 |
| 8.3 (9/21/2020) | 17.6 (10/29/2019) | (8.3 - 17.6)/(31 - 28) | -3.1 |
| 20.4 (12/17/2020) | 17.6 (10/29/2019) | (20.4 - 17.6)/(32 - 28) | 0.7 |
| 23 (3/18/2021) | 17.6 (10/29/2019) | (23 - 17.6)/(33 - 28) | 1.08 |
| 35.1 (5/5/2021) | 17.6 (10/29/2019) | (35.1 - 17.6)/(34 - 28) | 2.91667 |
| 23.6 (9/2/2021) | 17.6 (10/29/2019) | (23.6 - 17.6)/(35 - 28) | 0.857143 |
| 10.5 (11/23/2021) | 17.6 (10/29/2019) | (10.5 - 17.6)/(36 - 28) | -0.8875 |
| 23.6 (1/11/2022) | 17.6 (10/29/2019) | (23.6 - 17.6)/(37 - 28) | 0.666667 |
| 21 (4/7/2022) | 17.6 (10/29/2019) | (21 - 17.6)/(38 - 28) | 0.34 |
| 33.7 (8/2/2022) | 17.6 (10/29/2019) | (33.7 - 17.6)/(39 - 28) | 1.46364 |
| 7.4 (11/16/2022) | 17.6 (10/29/2019) | (7.4 - 17.6)/(40 - 28) | -0.85 |
| 11.6 (2/14/2023) | 17.6 (10/29/2019) | (11.6 - 17.6)/(41 - 28) | -0.461538 |
| 21.7 (5/25/2023) | 17.6 (10/29/2019) | (21.7 - 17.6)/(42 - 28) | 0.292857 |
| 6.8 (8/7/2023) | 17.6 (10/29/2019) | (6.8 - 17.6)/(43 - 28) | -0.72 |
| 36.8 (12/12/2023) | 17.6 (10/29/2019) | (36.8 - 17.6)/(44 - 28) | 1.2 |
| 31.7 (1/10/2024) | 17.6 (10/29/2019) | (31.7 - 17.6)/(45 - 28) | 0.829412 |
| 28.6 (5/21/2024) | 17.6 (10/29/2019) | (28.6 - 17.6)/(46 - 28) | 0.611111 |
| 12.2 (9/16/2024) | 17.6 (10/29/2019) | (12.2 - 17.6)/(47 - 28) | -0.284211 |
| 30 (12/11/2024) | 17.6 (10/29/2019) | (30 - 17.6)/(48 - 28) | 0.62 |
| 45.7 (2/18/2025) | 17.6 (10/29/2019) | (45.7 - 17.6)/(49 - 28) | 1.3381 |
| | | | |
| 14.6 (6/16/2020) | 19 (3/30/2020) | (14.6 - 19)/(30 - 29) | -4.4 |
| 8.3 (9/21/2020) | 19 (3/30/2020) | (8.3 - 19)/(31 - 29) | -5.35 |
| 20.4 (12/17/2020) | 19 (3/30/2020) | (20.4 - 19)/(32 - 29) | 0.466667 |
| 23 (3/18/2021) | 19 (3/30/2020) | (23 - 19)/(33 - 29) | 1 |
| 35.1 (5/5/2021) | 19 (3/30/2020) | (35.1 - 19)/(34 - 29) | 3.22 |
| 23.6 (9/2/2021) | 19 (3/30/2020) | (23.6 - 19)/(35 - 29) | 0.766667 |
| 10.5 (11/23/2021) | 19 (3/30/2020) | (10.5 - 19)/(36 - 29) | -1.21429 |
| 23.6 (1/11/2022) | 19 (3/30/2020) | (23.6 - 19)/(37 - 29) | 0.575 |
| 21 (4/7/2022) | 19 (3/30/2020) | (21 - 19)/(38 - 29) | 0.222222 |
| 33.7 (8/2/2022) | 19 (3/30/2020) | (33.7 - 19)/(39 - 29) | 1.47 |
| 7.4 (11/16/2022) | 19 (3/30/2020) | (7.4 - 19)/(40 - 29) | -1.05455 |
| 11.6 (2/14/2023) | 19 (3/30/2020) | (11.6 - 19)/(41 - 29) | -0.616667 |
| 21.7 (5/25/2023) | 19 (3/30/2020) | (21.7 - 19)/(42 - 29) | 0.207692 |
| 6.8 (8/7/2023) | 19 (3/30/2020) | (6.8 - 19)/(43 - 29) | -0.871429 |
| 36.8 (12/12/2023) | 19 (3/30/2020) | (36.8 - 19)/(44 - 29) | 1.18667 |
| 31.7 (1/10/2024) | 19 (3/30/2020) | (31.7 - 19)/(45 - 29) | 0.79375 |
| 28.6 (5/21/2024) | 19 (3/30/2020) | (28.6 - 19)/(46 - 29) | 0.564706 |
| 12.2 (9/16/2024) | 19 (3/30/2020) | (12.2 - 19)/(47 - 29) | -0.377778 |
| 30 (12/11/2024) | 19 (3/30/2020) | (30 - 19)/(48 - 29) | 0.578947 |
| 45.7 (2/18/2025) | 19 (3/30/2020) | (45.7 - 19)/(49 - 29) | 1.335 |
| | | | |
| 8.3 (9/21/2020) | 14.6 (6/16/2020) | (8.3 - 14.6)/(31 - 30) | -6.3 |
| 20.4 (12/17/2020) | 14.6 (6/16/2020) | (20.4 - 14.6)/(32 - 30) | 2.9 |

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| 23 (3/18/2021) | 14.6 (6/16/2020) | (23 - 14.6)/(33 - 30) | 2.8 |
| 35.1 (5/5/2021) | 14.6 (6/16/2020) | (35.1 - 14.6)/(34 - 30) | 5.125 |
| 23.6 (9/2/2021) | 14.6 (6/16/2020) | (23.6 - 14.6)/(35 - 30) | 1.8 |
| 10.5 (11/23/2021) | 14.6 (6/16/2020) | (10.5 - 14.6)/(36 - 30) | -0.683333 |
| 23.6 (1/11/2022) | 14.6 (6/16/2020) | (23.6 - 14.6)/(37 - 30) | 1.28571 |
| 21 (4/7/2022) | 14.6 (6/16/2020) | (21 - 14.6)/(38 - 30) | 0.8 |
| 33.7 (8/2/2022) | 14.6 (6/16/2020) | (33.7 - 14.6)/(39 - 30) | 2.12222 |
| 7.4 (11/16/2022) | 14.6 (6/16/2020) | (7.4 - 14.6)/(40 - 30) | -0.72 |
| 11.6 (2/14/2023) | 14.6 (6/16/2020) | (11.6 - 14.6)/(41 - 30) | -0.272727 |
| 21.7 (5/25/2023) | 14.6 (6/16/2020) | (21.7 - 14.6)/(42 - 30) | 0.591667 |
| 6.8 (8/7/2023) | 14.6 (6/16/2020) | (6.8 - 14.6)/(43 - 30) | -0.6 |
| 36.8 (12/12/2023) | 14.6 (6/16/2020) | (36.8 - 14.6)/(44 - 30) | 1.58571 |
| 31.7 (1/10/2024) | 14.6 (6/16/2020) | (31.7 - 14.6)/(45 - 30) | 1.14 |
| 28.6 (5/21/2024) | 14.6 (6/16/2020) | (28.6 - 14.6)/(46 - 30) | 0.875 |
| 12.2 (9/16/2024) | 14.6 (6/16/2020) | (12.2 - 14.6)/(47 - 30) | -0.141176 |
| 30 (12/11/2024) | 14.6 (6/16/2020) | (30 - 14.6)/(48 - 30) | 0.855556 |
| 45.7 (2/18/2025) | 14.6 (6/16/2020) | (45.7 - 14.6)/(49 - 30) | 1.63684 |
| | | | |
| 20.4 (12/17/2020) | 8.3 (9/21/2020) | (20.4 - 8.3)/(32 - 31) | 12.1 |
| 23 (3/18/2021) | 8.3 (9/21/2020) | (23 - 8.3)/(33 - 31) | 7.35 |
| 35.1 (5/5/2021) | 8.3 (9/21/2020) | (35.1 - 8.3)/(34 - 31) | 8.93333 |
| 23.6 (9/2/2021) | 8.3 (9/21/2020) | (23.6 - 8.3)/(35 - 31) | 3.825 |
| 10.5 (11/23/2021) | 8.3 (9/21/2020) | (10.5 - 8.3)/(36 - 31) | 0.44 |
| 23.6 (1/11/2022) | 8.3 (9/21/2020) | (23.6 - 8.3)/(37 - 31) | 2.55 |
| 21 (4/7/2022) | 8.3 (9/21/2020) | (21 - 8.3)/(38 - 31) | 1.81429 |
| 33.7 (8/2/2022) | 8.3 (9/21/2020) | (33.7 - 8.3)/(39 - 31) | 3.175 |
| 7.4 (11/16/2022) | 8.3 (9/21/2020) | (7.4 - 8.3)/(40 - 31) | -0.1 |
| 11.6 (2/14/2023) | 8.3 (9/21/2020) | (11.6 - 8.3)/(41 - 31) | 0.33 |
| 21.7 (5/25/2023) | 8.3 (9/21/2020) | (21.7 - 8.3)/(42 - 31) | 1.21818 |
| 6.8 (8/7/2023) | 8.3 (9/21/2020) | (6.8 - 8.3)/(43 - 31) | -0.125 |
| 36.8 (12/12/2023) | 8.3 (9/21/2020) | (36.8 - 8.3)/(44 - 31) | 2.19231 |
| 31.7 (1/10/2024) | 8.3 (9/21/2020) | (31.7 - 8.3)/(45 - 31) | 1.67143 |
| 28.6 (5/21/2024) | 8.3 (9/21/2020) | (28.6 - 8.3)/(46 - 31) | 1.35333 |
| 12.2 (9/16/2024) | 8.3 (9/21/2020) | (12.2 - 8.3)/(47 - 31) | 0.24375 |
| 30 (12/11/2024) | 8.3 (9/21/2020) | (30 - 8.3)/(48 - 31) | 1.27647 |
| 45.7 (2/18/2025) | 8.3 (9/21/2020) | (45.7 - 8.3)/(49 - 31) | 2.07778 |
| | | | |
| 23 (3/18/2021) | 20.4 (12/17/2020) | (23 - 20.4)/(33 - 32) | 2.6 |
| 35.1 (5/5/2021) | 20.4 (12/17/2020) | (35.1 - 20.4)/(34 - 32) | 7.35 |
| 23.6 (9/2/2021) | 20.4 (12/17/2020) | (23.6 - 20.4)/(35 - 32) | 1.06667 |
| 10.5 (11/23/2021) | 20.4 (12/17/2020) | (10.5 - 20.4)/(36 - 32) | -2.475 |
| 23.6 (1/11/2022) | 20.4 (12/17/2020) | (23.6 - 20.4)/(37 - 32) | 0.64 |
| 21 (4/7/2022) | 20.4 (12/17/2020) | (21 - 20.4)/(38 - 32) | 0.1 |
| 33.7 (8/2/2022) | 20.4 (12/17/2020) | (33.7 - 20.4)/(39 - 32) | 1.9 |
| 7.4 (11/16/2022) | 20.4 (12/17/2020) | (7.4 - 20.4)/(40 - 32) | -1.625 |
| 11.6 (2/14/2023) | 20.4 (12/17/2020) | (11.6 - 20.4)/(41 - 32) | -0.977778 |
| 21.7 (5/25/2023) | 20.4 (12/17/2020) | (21.7 - 20.4)/(42 - 32) | 0.13 |
| 6.8 (8/7/2023) | 20.4 (12/17/2020) | (6.8 - 20.4)/(43 - 32) | -1.23636 |
| 36.8 (12/12/2023) | 20.4 (12/17/2020) | (36.8 - 20.4)/(44 - 32) | 1.36667 |
| 31.7 (1/10/2024) | 20.4 (12/17/2020) | (31.7 - 20.4)/(45 - 32) | 0.869231 |
| 28.6 (5/21/2024) | 20.4 (12/17/2020) | (28.6 - 20.4)/(46 - 32) | 0.585714 |
| 12.2 (9/16/2024) | 20.4 (12/17/2020) | (12.2 - 20.4)/(47 - 32) | -0.546667 |
| 30 (12/11/2024) | 20.4 (12/17/2020) | (30 - 20.4)/(48 - 32) | 0.6 |
| 45.7 (2/18/2025) | 20.4 (12/17/2020) | (45.7 - 20.4)/(49 - 32) | 1.48824 |
| | | | |
| 35.1 (5/5/2021) | 23 (3/18/2021) | (35.1 - 23)/(34 - 33) | 12.1 |
| 23.6 (9/2/2021) | 23 (3/18/2021) | (23.6 - 23)/(35 - 33) | 0.3 |

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| 10.5 (11/23/2021) | 23 (3/18/2021) | (10.5 - 23)/(36 - 33) | -4.16667 |
| 23.6 (1/11/2022) | 23 (3/18/2021) | (23.6 - 23)/(37 - 33) | 0.15 |
| 21 (4/7/2022) | 23 (3/18/2021) | (21 - 23)/(38 - 33) | -0.4 |
| 33.7 (8/2/2022) | 23 (3/18/2021) | (33.7 - 23)/(39 - 33) | 1.78333 |
| 7.4 (11/16/2022) | 23 (3/18/2021) | (7.4 - 23)/(40 - 33) | -2.22857 |
| 11.6 (2/14/2023) | 23 (3/18/2021) | (11.6 - 23)/(41 - 33) | -1.425 |
| 21.7 (5/25/2023) | 23 (3/18/2021) | (21.7 - 23)/(42 - 33) | -0.144444 |
| 6.8 (8/7/2023) | 23 (3/18/2021) | (6.8 - 23)/(43 - 33) | -1.62 |
| 36.8 (12/12/2023) | 23 (3/18/2021) | (36.8 - 23)/(44 - 33) | 1.25455 |
| 31.7 (1/10/2024) | 23 (3/18/2021) | (31.7 - 23)/(45 - 33) | 0.725 |
| 28.6 (5/21/2024) | 23 (3/18/2021) | (28.6 - 23)/(46 - 33) | 0.430769 |
| 12.2 (9/16/2024) | 23 (3/18/2021) | (12.2 - 23)/(47 - 33) | -0.771429 |
| 30 (12/11/2024) | 23 (3/18/2021) | (30 - 23)/(48 - 33) | 0.466667 |
| 45.7 (2/18/2025) | 23 (3/18/2021) | (45.7 - 23)/(49 - 33) | 1.41875 |
| | | | |
| 23.6 (9/2/2021) | 35.1 (5/5/2021) | (23.6 - 35.1)/(35 - 34) | -11.5 |
| 10.5 (11/23/2021) | 35.1 (5/5/2021) | (10.5 - 35.1)/(36 - 34) | -12.3 |
| 23.6 (1/11/2022) | 35.1 (5/5/2021) | (23.6 - 35.1)/(37 - 34) | -3.83333 |
| 21 (4/7/2022) | 35.1 (5/5/2021) | (21 - 35.1)/(38 - 34) | -3.525 |
| 33.7 (8/2/2022) | 35.1 (5/5/2021) | (33.7 - 35.1)/(39 - 34) | -0.28 |
| 7.4 (11/16/2022) | 35.1 (5/5/2021) | (7.4 - 35.1)/(40 - 34) | -4.61667 |
| 11.6 (2/14/2023) | 35.1 (5/5/2021) | (11.6 - 35.1)/(41 - 34) | -3.35714 |
| 21.7 (5/25/2023) | 35.1 (5/5/2021) | (21.7 - 35.1)/(42 - 34) | -1.675 |
| 6.8 (8/7/2023) | 35.1 (5/5/2021) | (6.8 - 35.1)/(43 - 34) | -3.14444 |
| 36.8 (12/12/2023) | 35.1 (5/5/2021) | (36.8 - 35.1)/(44 - 34) | 0.17 |
| 31.7 (1/10/2024) | 35.1 (5/5/2021) | (31.7 - 35.1)/(45 - 34) | -0.309091 |
| 28.6 (5/21/2024) | 35.1 (5/5/2021) | (28.6 - 35.1)/(46 - 34) | -0.541667 |
| 12.2 (9/16/2024) | 35.1 (5/5/2021) | (12.2 - 35.1)/(47 - 34) | -1.76154 |
| 30 (12/11/2024) | 35.1 (5/5/2021) | (30 - 35.1)/(48 - 34) | -0.364286 |
| 45.7 (2/18/2025) | 35.1 (5/5/2021) | (45.7 - 35.1)/(49 - 34) | 0.706667 |
| | | | |
| 10.5 (11/23/2021) | 23.6 (9/2/2021) | (10.5 - 23.6)/(36 - 35) | -13.1 |
| 23.6 (1/11/2022) | 23.6 (9/2/2021) | (23.6 - 23.6)/(37 - 35) | 0 |
| 21 (4/7/2022) | 23.6 (9/2/2021) | (21 - 23.6)/(38 - 35) | -0.866667 |
| 33.7 (8/2/2022) | 23.6 (9/2/2021) | (33.7 - 23.6)/(39 - 35) | 2.525 |
| 7.4 (11/16/2022) | 23.6 (9/2/2021) | (7.4 - 23.6)/(40 - 35) | -3.24 |
| 11.6 (2/14/2023) | 23.6 (9/2/2021) | (11.6 - 23.6)/(41 - 35) | -2 |
| 21.7 (5/25/2023) | 23.6 (9/2/2021) | (21.7 - 23.6)/(42 - 35) | -0.271429 |
| 6.8 (8/7/2023) | 23.6 (9/2/2021) | (6.8 - 23.6)/(43 - 35) | -2.1 |
| 36.8 (12/12/2023) | 23.6 (9/2/2021) | (36.8 - 23.6)/(44 - 35) | 1.46667 |
| 31.7 (1/10/2024) | 23.6 (9/2/2021) | (31.7 - 23.6)/(45 - 35) | 0.81 |
| 28.6 (5/21/2024) | 23.6 (9/2/2021) | (28.6 - 23.6)/(46 - 35) | 0.454545 |
| 12.2 (9/16/2024) | 23.6 (9/2/2021) | (12.2 - 23.6)/(47 - 35) | -0.95 |
| 30 (12/11/2024) | 23.6 (9/2/2021) | (30 - 23.6)/(48 - 35) | 0.492308 |
| 45.7 (2/18/2025) | 23.6 (9/2/2021) | (45.7 - 23.6)/(49 - 35) | 1.57857 |
| | | | |
| 23.6 (1/11/2022) | 10.5 (11/23/2021) | (23.6 - 10.5)/(37 - 36) | 13.1 |
| 21 (4/7/2022) | 10.5 (11/23/2021) | (21 - 10.5)/(38 - 36) | 5.25 |
| 33.7 (8/2/2022) | 10.5 (11/23/2021) | (33.7 - 10.5)/(39 - 36) | 7.73333 |
| 7.4 (11/16/2022) | 10.5 (11/23/2021) | (7.4 - 10.5)/(40 - 36) | -0.775 |
| 11.6 (2/14/2023) | 10.5 (11/23/2021) | (11.6 - 10.5)/(41 - 36) | 0.22 |
| 21.7 (5/25/2023) | 10.5 (11/23/2021) | (21.7 - 10.5)/(42 - 36) | 1.86667 |
| 6.8 (8/7/2023) | 10.5 (11/23/2021) | (6.8 - 10.5)/(43 - 36) | -0.528571 |
| 36.8 (12/12/2023) | 10.5 (11/23/2021) | (36.8 - 10.5)/(44 - 36) | 3.2875 |
| 31.7 (1/10/2024) | 10.5 (11/23/2021) | (31.7 - 10.5)/(45 - 36) | 2.35556 |
| 28.6 (5/21/2024) | 10.5 (11/23/2021) | (28.6 - 10.5)/(46 - 36) | 1.81 |
| 12.2 (9/16/2024) | 10.5 (11/23/2021) | (12.2 - 10.5)/(47 - 36) | 0.154545 |

| | | | |
|---|---|---|---|
| 30 (12/11/2024) | 10.5 (11/23/2021) | (30 - 10.5)/(48 - 36) | 1.625 |
| 45.7 (2/18/2025) | 10.5 (11/23/2021) | (45.7 - 10.5)/(49 - 36) | 2.70769 |
| | | | |
| 21 (4/7/2022) | 23.6 (1/11/2022) | (21 - 23.6)/(38 - 37) | -2.6 |
| 33.7 (8/2/2022) | 23.6 (1/11/2022) | (33.7 - 23.6)/(39 - 37) | 5.05 |
| 7.4 (11/16/2022) | 23.6 (1/11/2022) | (7.4 - 23.6)/(40 - 37) | -5.4 |
| 11.6 (2/14/2023) | 23.6 (1/11/2022) | (11.6 - 23.6)/(41 - 37) | -3 |
| 21.7 (5/25/2023) | 23.6 (1/11/2022) | (21.7 - 23.6)/(42 - 37) | -0.38 |
| 6.8 (8/7/2023) | 23.6 (1/11/2022) | (6.8 - 23.6)/(43 - 37) | -2.8 |
| 36.8 (12/12/2023) | 23.6 (1/11/2022) | (36.8 - 23.6)/(44 - 37) | 1.88571 |
| 31.7 (1/10/2024) | 23.6 (1/11/2022) | (31.7 - 23.6)/(45 - 37) | 1.0125 |
| 28.6 (5/21/2024) | 23.6 (1/11/2022) | (28.6 - 23.6)/(46 - 37) | 0.555556 |
| 12.2 (9/16/2024) | 23.6 (1/11/2022) | (12.2 - 23.6)/(47 - 37) | -1.14 |
| 30 (12/11/2024) | 23.6 (1/11/2022) | (30 - 23.6)/(48 - 37) | 0.581818 |
| 45.7 (2/18/2025) | 23.6 (1/11/2022) | (45.7 - 23.6)/(49 - 37) | 1.84167 |
| | | | |
| 33.7 (8/2/2022) | 21 (4/7/2022) | (33.7 - 21)/(39 - 38) | 12.7 |
| 7.4 (11/16/2022) | 21 (4/7/2022) | (7.4 - 21)/(40 - 38) | -6.8 |
| 11.6 (2/14/2023) | 21 (4/7/2022) | (11.6 - 21)/(41 - 38) | -3.13333 |
| 21.7 (5/25/2023) | 21 (4/7/2022) | (21.7 - 21)/(42 - 38) | 0.175 |
| 6.8 (8/7/2023) | 21 (4/7/2022) | (6.8 - 21)/(43 - 38) | -2.84 |
| 36.8 (12/12/2023) | 21 (4/7/2022) | (36.8 - 21)/(44 - 38) | 2.63333 |
| 31.7 (1/10/2024) | 21 (4/7/2022) | (31.7 - 21)/(45 - 38) | 1.52857 |
| 28.6 (5/21/2024) | 21 (4/7/2022) | (28.6 - 21)/(46 - 38) | 0.95 |
| 12.2 (9/16/2024) | 21 (4/7/2022) | (12.2 - 21)/(47 - 38) | -0.977778 |
| 30 (12/11/2024) | 21 (4/7/2022) | (30 - 21)/(48 - 38) | 0.9 |
| 45.7 (2/18/2025) | 21 (4/7/2022) | (45.7 - 21)/(49 - 38) | 2.24545 |
| | | | |
| 7.4 (11/16/2022) | 33.7 (8/2/2022) | (7.4 - 33.7)/(40 - 39) | -26.3 |
| 11.6 (2/14/2023) | 33.7 (8/2/2022) | (11.6 - 33.7)/(41 - 39) | -11.05 |
| 21.7 (5/25/2023) | 33.7 (8/2/2022) | (21.7 - 33.7)/(42 - 39) | -4 |
| 6.8 (8/7/2023) | 33.7 (8/2/2022) | (6.8 - 33.7)/(43 - 39) | -6.725 |
| 36.8 (12/12/2023) | 33.7 (8/2/2022) | (36.8 - 33.7)/(44 - 39) | 0.62 |
| 31.7 (1/10/2024) | 33.7 (8/2/2022) | (31.7 - 33.7)/(45 - 39) | -0.333333 |
| 28.6 (5/21/2024) | 33.7 (8/2/2022) | (28.6 - 33.7)/(46 - 39) | -0.728571 |
| 12.2 (9/16/2024) | 33.7 (8/2/2022) | (12.2 - 33.7)/(47 - 39) | -2.6875 |
| 30 (12/11/2024) | 33.7 (8/2/2022) | (30 - 33.7)/(48 - 39) | -0.411111 |
| 45.7 (2/18/2025) | 33.7 (8/2/2022) | (45.7 - 33.7)/(49 - 39) | 1.2 |
| | | | |
| 11.6 (2/14/2023) | 7.4 (11/16/2022) | (11.6 - 7.4)/(41 - 40) | 4.2 |
| 21.7 (5/25/2023) | 7.4 (11/16/2022) | (21.7 - 7.4)/(42 - 40) | 7.15 |
| 6.8 (8/7/2023) | 7.4 (11/16/2022) | (6.8 - 7.4)/(43 - 40) | -0.2 |
| 36.8 (12/12/2023) | 7.4 (11/16/2022) | (36.8 - 7.4)/(44 - 40) | 7.35 |
| 31.7 (1/10/2024) | 7.4 (11/16/2022) | (31.7 - 7.4)/(45 - 40) | 4.86 |
| 28.6 (5/21/2024) | 7.4 (11/16/2022) | (28.6 - 7.4)/(46 - 40) | 3.53333 |
| 12.2 (9/16/2024) | 7.4 (11/16/2022) | (12.2 - 7.4)/(47 - 40) | 0.685714 |
| 30 (12/11/2024) | 7.4 (11/16/2022) | (30 - 7.4)/(48 - 40) | 2.825 |
| 45.7 (2/18/2025) | 7.4 (11/16/2022) | (45.7 - 7.4)/(49 - 40) | 4.25556 |
| | | | |
| 21.7 (5/25/2023) | 11.6 (2/14/2023) | (21.7 - 11.6)/(42 - 41) | 10.1 |
| 6.8 (8/7/2023) | 11.6 (2/14/2023) | (6.8 - 11.6)/(43 - 41) | -2.4 |
| 36.8 (12/12/2023) | 11.6 (2/14/2023) | (36.8 - 11.6)/(44 - 41) | 8.4 |
| 31.7 (1/10/2024) | 11.6 (2/14/2023) | (31.7 - 11.6)/(45 - 41) | 5.025 |
| 28.6 (5/21/2024) | 11.6 (2/14/2023) | (28.6 - 11.6)/(46 - 41) | 3.4 |
| 12.2 (9/16/2024) | 11.6 (2/14/2023) | (12.2 - 11.6)/(47 - 41) | 0.1 |
| 30 (12/11/2024) | 11.6 (2/14/2023) | (30 - 11.6)/(48 - 41) | 2.62857 |
| 45.7 (2/18/2025) | 11.6 (2/14/2023) | (45.7 - 11.6)/(49 - 41) | 4.2625 |

| | | | |
|---|---|---|---|
| 6.8 (8/7/2023) | 21.7 (5/25/2023) | (6.8 - 21.7)/(43 - 42) | -14.9 |
| 36.8 (12/12/2023) | 21.7 (5/25/2023) | (36.8 - 21.7)/(44 - 42) | 7.55 |
| 31.7 (1/10/2024) | 21.7 (5/25/2023) | (31.7 - 21.7)/(45 - 42) | 3.33333 |
| 28.6 (5/21/2024) | 21.7 (5/25/2023) | (28.6 - 21.7)/(46 - 42) | 1.725 |
| 12.2 (9/16/2024) | 21.7 (5/25/2023) | (12.2 - 21.7)/(47 - 42) | -1.9 |
| 30 (12/11/2024) | 21.7 (5/25/2023) | (30 - 21.7)/(48 - 42) | 1.38333 |
| 45.7 (2/18/2025) | 21.7 (5/25/2023) | (45.7 - 21.7)/(49 - 42) | 3.42857 |
| | | | |
| 36.8 (12/12/2023) | 6.8 (8/7/2023) | (36.8 - 6.8)/(44 - 43) | 30 |
| 31.7 (1/10/2024) | 6.8 (8/7/2023) | (31.7 - 6.8)/(45 - 43) | 12.45 |
| 28.6 (5/21/2024) | 6.8 (8/7/2023) | (28.6 - 6.8)/(46 - 43) | 7.26667 |
| 12.2 (9/16/2024) | 6.8 (8/7/2023) | (12.2 - 6.8)/(47 - 43) | 1.35 |
| 30 (12/11/2024) | 6.8 (8/7/2023) | (30 - 6.8)/(48 - 43) | 4.64 |
| 45.7 (2/18/2025) | 6.8 (8/7/2023) | (45.7 - 6.8)/(49 - 43) | 6.48333 |
| | | | |
| 31.7 (1/10/2024) | 36.8 (12/12/2023) | (31.7 - 36.8)/(45 - 44) | -5.1 |
| 28.6 (5/21/2024) | 36.8 (12/12/2023) | (28.6 - 36.8)/(46 - 44) | -4.1 |
| 12.2 (9/16/2024) | 36.8 (12/12/2023) | (12.2 - 36.8)/(47 - 44) | -8.2 |
| 30 (12/11/2024) | 36.8 (12/12/2023) | (30 - 36.8)/(48 - 44) | -1.7 |
| 45.7 (2/18/2025) | 36.8 (12/12/2023) | (45.7 - 36.8)/(49 - 44) | 1.78 |
| | | | |
| 28.6 (5/21/2024) | 31.7 (1/10/2024) | (28.6 - 31.7)/(46 - 45) | -3.1 |
| 12.2 (9/16/2024) | 31.7 (1/10/2024) | (12.2 - 31.7)/(47 - 45) | -9.75 |
| 30 (12/11/2024) | 31.7 (1/10/2024) | (30 - 31.7)/(48 - 45) | -0.566667 |
| 45.7 (2/18/2025) | 31.7 (1/10/2024) | (45.7 - 31.7)/(49 - 45) | 3.5 |
| | | | |
| 12.2 (9/16/2024) | 28.6 (5/21/2024) | (12.2 - 28.6)/(47 - 46) | -16.4 |
| 30 (12/11/2024) | 28.6 (5/21/2024) | (30 - 28.6)/(48 - 46) | 0.7 |
| 45.7 (2/18/2025) | 28.6 (5/21/2024) | (45.7 - 28.6)/(49 - 46) | 5.7 |
| | | | |
| 30 (12/11/2024) | 12.2 (9/16/2024) | (30 - 12.2)/(48 - 47) | 17.8 |
| 45.7 (2/18/2025) | 12.2 (9/16/2024) | (45.7 - 12.2)/(49 - 47) | 16.75 |
| | | | |
| 45.7 (2/18/2025) | 30 (12/11/2024) | (45.7 - 30)/(49 - 48) | 15.7 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -45 |
| 2 | -32 |
| 3 | -28.6 |
| 4 | -26.3 |
| 5 | -22.2 |
| 6 | -17.35 |
| 7 | -16.4 |
| 8 | -16 |
| 9 | -15.8 |
| 10 | -15 |
| 11 | -14.9 |
| 12 | -14.5 |
| 13 | -14.1 |
| 14 | -13.1 |
| 15 | -13 |
| 16 | -12.3 |

| | |
|---|---|
| 17 | -12.2333 |
| 18 | -11.5 |
| 19 | -11.1 |
| 20 | -11.05 |
| 21 | -9.75 |
| 22 | -9.66667 |
| 23 | -9.425 |
| 24 | -9.33333 |
| 25 | -9.225 |
| 26 | -9 |
| 27 | -8.8 |
| 28 | -8.2 |
| 29 | -7.78 |
| 30 | -7.7 |
| 31 | -7.4 |
| 32 | -7 |
| 33 | -7 |
| 34 | -6.8 |
| 35 | -6.76667 |
| 36 | -6.725 |
| 37 | -6.6 |
| 38 | -6.4 |
| 39 | -6.3 |
| 40 | -6 |
| 41 | -5.96667 |
| 42 | -5.44 |
| 43 | -5.4 |
| 44 | -5.35 |
| 45 | -5.31667 |
| 46 | -5.3 |
| 47 | -5.24286 |
| 48 | -5.2 |
| 49 | -5.1 |
| 50 | -5.01667 |
| 51 | -4.98 |
| 52 | -4.75 |
| 53 | -4.65 |
| 54 | -4.61667 |
| 55 | -4.53333 |
| 56 | -4.4 |
| 57 | -4.25 |
| 58 | -4.21429 |
| 59 | -4.18571 |
| 60 | -4.18 |
| 61 | -4.18 |
| 62 | -4.16667 |
| 63 | -4.125 |
| 64 | -4.1 |
| 65 | -4.05 |
| 66 | -4 |
| 67 | -4 |
| 68 | -3.83333 |
| 69 | -3.63333 |
| 70 | -3.59091 |
| 71 | -3.54 |
| 72 | -3.525 |
| 73 | -3.48571 |

| | |
|---|---|
| 74 | -3.48182 |
| 75 | -3.45 |
| 76 | -3.375 |
| 77 | -3.35714 |
| 78 | -3.3 |
| 79 | -3.26923 |
| 80 | -3.24 |
| 81 | -3.20714 |
| 82 | -3.18889 |
| 83 | -3.175 |
| 84 | -3.16667 |
| 85 | -3.14444 |
| 86 | -3.13333 |
| 87 | -3.1 |
| 88 | -3.1 |
| 89 | -3 |
| 90 | -3 |
| 91 | -3 |
| 92 | -2.95714 |
| 93 | -2.9 |
| 94 | -2.84 |
| 95 | -2.82 |
| 96 | -2.8 |
| 97 | -2.8 |
| 98 | -2.76667 |
| 99 | -2.75714 |
| 100 | -2.71667 |
| 101 | -2.71333 |
| 102 | -2.7 |
| 103 | -2.6875 |
| 104 | -2.67647 |
| 105 | -2.66667 |
| 106 | -2.60909 |
| 107 | -2.60833 |
| 108 | -2.6 |
| 109 | -2.6 |
| 110 | -2.575 |
| 111 | -2.57143 |
| 112 | -2.55 |
| 113 | -2.5 |
| 114 | -2.5 |
| 115 | -2.47857 |
| 116 | -2.475 |
| 117 | -2.45263 |
| 118 | -2.44667 |
| 119 | -2.4 |
| 120 | -2.36923 |
| 121 | -2.35556 |
| 122 | -2.34286 |
| 123 | -2.33333 |
| 124 | -2.3 |
| 125 | -2.27273 |
| 126 | -2.26667 |
| 127 | -2.25 |
| 128 | -2.23 |
| 129 | -2.22857 |
| 130 | -2.18 |

| | |
|---|---|
| 131 | -2.175 |
| 132 | -2.16667 |
| 133 | -2.16154 |
| 134 | -2.16087 |
| 135 | -2.15714 |
| 136 | -2.15 |
| 137 | -2.15 |
| 138 | -2.13333 |
| 139 | -2.13125 |
| 140 | -2.1 |
| 141 | -2.1 |
| 142 | -2.01667 |
| 143 | -2 |
| 144 | -2 |
| 145 | -1.9625 |
| 146 | -1.95 |
| 147 | -1.93462 |
| 148 | -1.9125 |
| 149 | -1.90952 |
| 150 | -1.90769 |
| 151 | -1.9 |
| 152 | -1.89583 |
| 153 | -1.87333 |
| 154 | -1.87143 |
| 155 | -1.86111 |
| 156 | -1.85652 |
| 157 | -1.85 |
| 158 | -1.76154 |
| 159 | -1.75 |
| 160 | -1.75 |
| 161 | -1.72 |
| 162 | -1.71905 |
| 163 | -1.70909 |
| 164 | -1.7 |
| 165 | -1.675 |
| 166 | -1.675 |
| 167 | -1.67 |
| 168 | -1.65556 |
| 169 | -1.65455 |
| 170 | -1.64118 |
| 171 | -1.64 |
| 172 | -1.625 |
| 173 | -1.62 |
| 174 | -1.60385 |
| 175 | -1.6 |
| 176 | -1.59444 |
| 177 | -1.5625 |
| 178 | -1.55385 |
| 179 | -1.54 |
| 180 | -1.53889 |
| 181 | -1.52667 |
| 182 | -1.52381 |
| 183 | -1.50526 |
| 184 | -1.5 |
| 185 | -1.49667 |
| 186 | -1.49375 |
| 187 | -1.46667 |

| | |
|---|---|
| 188 | -1.4625 |
| 189 | -1.44643 |
| 190 | -1.44444 |
| 191 | -1.44167 |
| 192 | -1.44 |
| 193 | -1.43333 |
| 194 | -1.43077 |
| 195 | -1.425 |
| 196 | -1.425 |
| 197 | -1.425 |
| 198 | -1.416 |
| 199 | -1.3625 |
| 200 | -1.35667 |
| 201 | -1.33333 |
| 202 | -1.32727 |
| 203 | -1.31667 |
| 204 | -1.3 |
| 205 | -1.29412 |
| 206 | -1.29231 |
| 207 | -1.2875 |
| 208 | -1.275 |
| 209 | -1.26286 |
| 210 | -1.2625 |
| 211 | -1.25 |
| 212 | -1.23636 |
| 213 | -1.23333 |
| 214 | -1.23 |
| 215 | -1.225 |
| 216 | -1.21429 |
| 217 | -1.21364 |
| 218 | -1.20588 |
| 219 | -1.2 |
| 220 | -1.2 |
| 221 | -1.19394 |
| 222 | -1.19 |
| 223 | -1.19 |
| 224 | -1.18621 |
| 225 | -1.185 |
| 226 | -1.17857 |
| 227 | -1.16296 |
| 228 | -1.15833 |
| 229 | -1.15263 |
| 230 | -1.14 |
| 231 | -1.135 |
| 232 | -1.12 |
| 233 | -1.11538 |
| 234 | -1.11111 |
| 235 | -1.1 |
| 236 | -1.1 |
| 237 | -1.1 |
| 238 | -1.1 |
| 239 | -1.09474 |
| 240 | -1.09 |
| 241 | -1.08421 |
| 242 | -1.07143 |
| 243 | -1.06667 |
| 244 | -1.06364 |

| | |
|---|---|
| 245 | -1.05909 |
| 246 | -1.05455 |
| 247 | -1.04667 |
| 248 | -1.04615 |
| 249 | -1.03333 |
| 250 | -1.03333 |
| 251 | -1.01481 |
| 252 | -1.01364 |
| 253 | -1.00476 |
| 254 | -1 |
| 255 | -1 |
| 256 | -1 |
| 257 | -0.994872 |
| 258 | -0.991667 |
| 259 | -0.982759 |
| 260 | -0.98125 |
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|---|---|
| 986 | 1.32 |
| 987 | 1.325 |
| 988 | 1.32727 |
| 989 | 1.335 |
| 990 | 1.3381 |
| 991 | 1.35 |
| 992 | 1.35 |
| 993 | 1.35333 |
| 994 | 1.35556 |
| 995 | 1.36 |
| 996 | 1.36667 |
| 997 | 1.37059 |
| 998 | 1.375 |
| 999 | 1.38333 |
| 1000 | 1.4 |
| 1001 | 1.40833 |
| 1002 | 1.41875 |
| 1003 | 1.44783 |
| 1004 | 1.46364 |
| 1005 | 1.46667 |
| 1006 | 1.46818 |
| 1007 | 1.47 |
| 1008 | 1.47083 |
| 1009 | 1.47778 |
| 1010 | 1.48824 |
| 1011 | 1.49333 |
| 1012 | 1.5 |
| 1013 | 1.52857 |
| 1014 | 1.57857 |
| 1015 | 1.57857 |
| 1016 | 1.58571 |
| 1017 | 1.6 |
| 1018 | 1.625 |
| 1019 | 1.63 |
| 1020 | 1.63684 |
| 1021 | 1.66667 |
| 1022 | 1.67143 |
| 1023 | 1.68571 |
| 1024 | 1.725 |
| 1025 | 1.73529 |
| 1026 | 1.74545 |
| 1027 | 1.78 |
| 1028 | 1.78333 |
| 1029 | 1.8 |
| 1030 | 1.8 |
| 1031 | 1.8 |
| 1032 | 1.81 |
| 1033 | 1.81429 |
| 1034 | 1.83333 |
| 1035 | 1.84167 |
| 1036 | 1.86667 |
| 1037 | 1.87143 |
| 1038 | 1.88571 |
| 1039 | 1.89375 |
| 1040 | 1.9 |
| 1041 | 1.9 |
| 1042 | 1.95333 |

| | |
|---|---|
| 1043 | 2 |
| 1044 | 2.015 |
| 1045 | 2.0375 |
| 1046 | 2.05556 |
| 1047 | 2.07778 |
| 1048 | 2.12 |
| 1049 | 2.12222 |
| 1050 | 2.19231 |
| 1051 | 2.19231 |
| 1052 | 2.2 |
| 1053 | 2.2 |
| 1054 | 2.24545 |
| 1055 | 2.35556 |
| 1056 | 2.43333 |
| 1057 | 2.45714 |
| 1058 | 2.46667 |
| 1059 | 2.5 |
| 1060 | 2.5 |
| 1061 | 2.525 |
| 1062 | 2.55 |
| 1063 | 2.57143 |
| 1064 | 2.6 |
| 1065 | 2.6 |
| 1066 | 2.61429 |
| 1067 | 2.61667 |
| 1068 | 2.61667 |
| 1069 | 2.62 |
| 1070 | 2.625 |
| 1071 | 2.62857 |
| 1072 | 2.63333 |
| 1073 | 2.66667 |
| 1074 | 2.67333 |
| 1075 | 2.7 |
| 1076 | 2.70769 |
| 1077 | 2.71 |
| 1078 | 2.72143 |
| 1079 | 2.75 |
| 1080 | 2.7625 |
| 1081 | 2.8 |
| 1082 | 2.825 |
| 1083 | 2.85385 |
| 1084 | 2.9 |
| 1085 | 2.91667 |
| 1086 | 2.975 |
| 1087 | 2.98 |
| 1088 | 3 |
| 1089 | 3.02 |
| 1090 | 3.03333 |
| 1091 | 3.175 |
| 1092 | 3.22 |
| 1093 | 3.2875 |
| 1094 | 3.33333 |
| 1095 | 3.33333 |
| 1096 | 3.4 |
| 1097 | 3.42857 |
| 1098 | 3.45455 |
| 1099 | 3.5 |

| | |
|---|---|
| 1100 | 3.53 |
| 1101 | 3.53333 |
| 1102 | 3.675 |
| 1103 | 3.75 |
| 1104 | 3.8 |
| 1105 | 3.825 |
| 1106 | 3.825 |
| 1107 | 3.97143 |
| 1108 | 4.1 |
| 1109 | 4.1 |
| 1110 | 4.2 |
| 1111 | 4.25556 |
| 1112 | 4.2625 |
| 1113 | 4.64 |
| 1114 | 4.7 |
| 1115 | 4.73333 |
| 1116 | 4.86 |
| 1117 | 4.96667 |
| 1118 | 5.01429 |
| 1119 | 5.025 |
| 1120 | 5.05 |
| 1121 | 5.125 |
| 1122 | 5.25 |
| 1123 | 5.31667 |
| 1124 | 5.38 |
| 1125 | 5.5 |
| 1126 | 5.65 |
| 1127 | 5.65714 |
| 1128 | 5.66667 |
| 1129 | 5.66667 |
| 1130 | 5.68333 |
| 1131 | 5.7 |
| 1132 | 5.75 |
| 1133 | 5.76667 |
| 1134 | 5.85 |
| 1135 | 6.4 |
| 1136 | 6.42 |
| 1137 | 6.48333 |
| 1138 | 7.15 |
| 1139 | 7.2 |
| 1140 | 7.26667 |
| 1141 | 7.35 |
| 1142 | 7.35 |
| 1143 | 7.35 |
| 1144 | 7.55 |
| 1145 | 7.55 |
| 1146 | 7.66667 |
| 1147 | 7.7 |
| 1148 | 7.73333 |
| 1149 | 7.75 |
| 1150 | 7.9 |
| 1151 | 8.325 |
| 1152 | 8.4 |
| 1153 | 8.5 |
| 1154 | 8.525 |
| 1155 | 8.93333 |
| 1156 | 10.1 |

| | |
|---|---|
| 1157 | 10.3 |
| 1158 | 12.0667 |
| 1159 | 12.1 |
| 1160 | 12.1 |
| 1161 | 12.35 |
| 1162 | 12.45 |
| 1163 | 12.6667 |
| 1164 | 12.7 |
| 1165 | 13.1 |
| 1166 | 15.7 |
| 1167 | 16.75 |
| 1168 | 16.8 |
| 1169 | 17.1 |
| 1170 | 17.8 |
| 1171 | 18 |
| 1172 | 19.5 |
| 1173 | 21 |
| 1174 | 21.4 |
| 1175 | 30 |
| 1176 | 40.1 |

Sen's Estimator (Median Q) is -0.00871212

| Tied Group | Value | Members |
|---|---|---|
| 1 | 17 | 2 |
| 2 | 19 | 2 |
| 3 | 30 | 2 |
| 4 | 23 | 2 |
| 5 | 20.4 | 2 |
| 6 | 23.6 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |

| | |
|---|---|
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 108
B = 0
C = 0
D = 0
E = 12
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13452.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.779
M1 = (1176 - 190.779)/2.0 = 492.61
M2 = (1176 + 190.779)/2.0 + 1 = 684.39
Lower limit is -0.24878 = Q(493)
Upper limit is 0.188571 = Q(684)
-0.24878 < 0 < 0.188571 indicating no trend in data.

## Sen's Slope Analysis

### Parameter: Total Suspended Solids

### Location: RC 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 16 (5/8/2013) | 21 (3/12/2013) | (16 - 21)/(2 - 1) | -5 |
| 13 (9/23/2013) | 21 (3/12/2013) | (13 - 21)/(3 - 1) | -4 |
| 16 (12/10/2013) | 21 (3/12/2013) | (16 - 21)/(4 - 1) | -1.66667 |
| 18 (2/6/2014) | 21 (3/12/2013) | (18 - 21)/(5 - 1) | -0.75 |
| 5.9 (6/26/2014) | 21 (3/12/2013) | (5.9 - 21)/(6 - 1) | -3.02 |
| 28 (9/19/2014) | 21 (3/12/2013) | (28 - 21)/(7 - 1) | 1.16667 |
| 12 (9/30/2014) | 21 (3/12/2013) | (12 - 21)/(8 - 1) | -1.28571 |
| 34 (3/23/2015) | 21 (3/12/2013) | (34 - 21)/(9 - 1) | 1.625 |
| 15 (4/22/2015) | 21 (3/12/2013) | (15 - 21)/(10 - 1) | -0.666667 |
| 12.6 (9/30/2015) | 21 (3/12/2013) | (12.6 - 21)/(11 - 1) | -0.84 |
| 36 (11/19/2015) | 21 (3/12/2013) | (36 - 21)/(12 - 1) | 1.36364 |
| 69.6 (3/15/2016) | 21 (3/12/2013) | (69.6 - 21)/(13 - 1) | 4.05 |
| 17.5 (6/29/2016) | 21 (3/12/2013) | (17.5 - 21)/(14 - 1) | -0.269231 |
| 8.5 (8/9/2016) | 21 (3/12/2013) | (8.5 - 21)/(15 - 1) | -0.892857 |
| 8.6 (12/7/2016) | 21 (3/12/2013) | (8.6 - 21)/(16 - 1) | -0.826667 |
| 14.6 (3/2/2017) | 21 (3/12/2013) | (14.6 - 21)/(17 - 1) | -0.4 |
| 35 (7/5/2017) | 21 (3/12/2013) | (35 - 21)/(18 - 1) | 0.823529 |
| 12.4 (8/16/2017) | 21 (3/12/2013) | (12.4 - 21)/(19 - 1) | -0.477778 |
| 27.2 (10/25/2017) | 21 (3/12/2013) | (27.2 - 21)/(20 - 1) | 0.326316 |
| 10.9 (3/28/2018) | 21 (3/12/2013) | (10.9 - 21)/(21 - 1) | -0.505 |
| 13.8 (6/29/2018) | 21 (3/12/2013) | (13.8 - 21)/(22 - 1) | -0.342857 |
| 17.3 (8/2/2018) | 21 (3/12/2013) | (17.3 - 21)/(23 - 1) | -0.168182 |
| 16.9 (12/10/2018) | 21 (3/12/2013) | (16.9 - 21)/(24 - 1) | -0.178261 |
| 36 (4/15/2019) | 21 (3/12/2013) | (36 - 21)/(25 - 1) | 0.625 |
| 12.3 (6/12/2019) | 21 (3/12/2013) | (12.3 - 21)/(26 - 1) | -0.348 |
| 8.8 (8/27/2019) | 21 (3/12/2013) | (8.8 - 21)/(27 - 1) | -0.469231 |
| 10.6 (10/29/2019) | 21 (3/12/2013) | (10.6 - 21)/(28 - 1) | -0.385185 |
| 15.7 (3/30/2020) | 21 (3/12/2013) | (15.7 - 21)/(29 - 1) | -0.189286 |
| 11.4 (6/16/2020) | 21 (3/12/2013) | (11.4 - 21)/(30 - 1) | -0.331034 |
| 8.2 (9/21/2020) | 21 (3/12/2013) | (8.2 - 21)/(31 - 1) | -0.426667 |
| 14.4 (12/17/2020) | 21 (3/12/2013) | (14.4 - 21)/(32 - 1) | -0.212903 |
| 51.6 (3/18/2021) | 21 (3/12/2013) | (51.6 - 21)/(33 - 1) | 0.95625 |
| 30.4 (5/5/2021) | 21 (3/12/2013) | (30.4 - 21)/(34 - 1) | 0.284848 |
| 23.2 (9/2/2021) | 21 (3/12/2013) | (23.2 - 21)/(35 - 1) | 0.0647059 |
| 40.2 (11/23/2021) | 21 (3/12/2013) | (40.2 - 21)/(36 - 1) | 0.548571 |
| 20.6 (1/11/2022) | 21 (3/12/2013) | (20.6 - 21)/(37 - 1) | -0.0111111 |
| 178 (4/7/2022) | 21 (3/12/2013) | (178 - 21)/(38 - 1) | 4.24324 |
| 11.1 (8/2/2022) | 21 (3/12/2013) | (11.1 - 21)/(39 - 1) | -0.260526 |
| 9.2 (11/16/2022) | 21 (3/12/2013) | (9.2 - 21)/(40 - 1) | -0.302564 |
| 17.9 (2/14/2023) | 21 (3/12/2013) | (17.9 - 21)/(41 - 1) | -0.0775 |
| 17.2 (5/25/2023) | 21 (3/12/2013) | (17.2 - 21)/(42 - 1) | -0.0926829 |
| 15 (8/7/2023) | 21 (3/12/2013) | (15 - 21)/(43 - 1) | -0.142857 |
| 38.2 (12/12/2023) | 21 (3/12/2013) | (38.2 - 21)/(44 - 1) | 0.4 |
| 50 (1/10/2024) | 21 (3/12/2013) | (50 - 21)/(45 - 1) | 0.659091 |
| 8.4 (5/21/2024) | 21 (3/12/2013) | (8.4 - 21)/(46 - 1) | -0.28 |
| 14.4 (9/16/2024) | 21 (3/12/2013) | (14.4 - 21)/(47 - 1) | -0.143478 |
| 65.6 (12/11/2024) | 21 (3/12/2013) | (65.6 - 21)/(48 - 1) | 0.948936 |
| 250 (2/18/2025) | 21 (3/12/2013) | (250 - 21)/(49 - 1) | 4.77083 |

| | | | |
|---|---|---|---|
| 13 (9/23/2013) | 16 (5/8/2013) | (13 - 16)/(3 - 2) | -3 |
| 16 (12/10/2013) | 16 (5/8/2013) | (16 - 16)/(4 - 2) | 0 |
| 18 (2/6/2014) | 16 (5/8/2013) | (18 - 16)/(5 - 2) | 0.666667 |
| 5.9 (6/26/2014) | 16 (5/8/2013) | (5.9 - 16)/(6 - 2) | -2.525 |
| 28 (9/19/2014) | 16 (5/8/2013) | (28 - 16)/(7 - 2) | 2.4 |
| 12 (9/30/2014) | 16 (5/8/2013) | (12 - 16)/(8 - 2) | -0.666667 |
| 34 (3/23/2015) | 16 (5/8/2013) | (34 - 16)/(9 - 2) | 2.57143 |
| 15 (4/22/2015) | 16 (5/8/2013) | (15 - 16)/(10 - 2) | -0.125 |
| 12.6 (9/30/2015) | 16 (5/8/2013) | (12.6 - 16)/(11 - 2) | -0.377778 |
| 36 (11/19/2015) | 16 (5/8/2013) | (36 - 16)/(12 - 2) | 2 |
| 69.6 (3/15/2016) | 16 (5/8/2013) | (69.6 - 16)/(13 - 2) | 4.87273 |
| 17.5 (6/29/2016) | 16 (5/8/2013) | (17.5 - 16)/(14 - 2) | 0.125 |
| 8.5 (8/9/2016) | 16 (5/8/2013) | (8.5 - 16)/(15 - 2) | -0.576923 |
| 8.6 (12/7/2016) | 16 (5/8/2013) | (8.6 - 16)/(16 - 2) | -0.528571 |
| 14.6 (3/2/2017) | 16 (5/8/2013) | (14.6 - 16)/(17 - 2) | -0.0933333 |
| 35 (7/5/2017) | 16 (5/8/2013) | (35 - 16)/(18 - 2) | 1.1875 |
| 12.4 (8/16/2017) | 16 (5/8/2013) | (12.4 - 16)/(19 - 2) | -0.211765 |
| 27.2 (10/25/2017) | 16 (5/8/2013) | (27.2 - 16)/(20 - 2) | 0.622222 |
| 10.9 (3/28/2018) | 16 (5/8/2013) | (10.9 - 16)/(21 - 2) | -0.268421 |
| 13.8 (6/29/2018) | 16 (5/8/2013) | (13.8 - 16)/(22 - 2) | -0.11 |
| 17.3 (8/2/2018) | 16 (5/8/2013) | (17.3 - 16)/(23 - 2) | 0.0619048 |
| 16.9 (12/10/2018) | 16 (5/8/2013) | (16.9 - 16)/(24 - 2) | 0.0409091 |
| 36 (4/15/2019) | 16 (5/8/2013) | (36 - 16)/(25 - 2) | 0.869565 |
| 12.3 (6/12/2019) | 16 (5/8/2013) | (12.3 - 16)/(26 - 2) | -0.154167 |
| 8.8 (8/27/2019) | 16 (5/8/2013) | (8.8 - 16)/(27 - 2) | -0.288 |
| 10.6 (10/29/2019) | 16 (5/8/2013) | (10.6 - 16)/(28 - 2) | -0.207692 |
| 15.7 (3/30/2020) | 16 (5/8/2013) | (15.7 - 16)/(29 - 2) | -0.0111111 |
| 11.4 (6/16/2020) | 16 (5/8/2013) | (11.4 - 16)/(30 - 2) | -0.164286 |
| 8.2 (9/21/2020) | 16 (5/8/2013) | (8.2 - 16)/(31 - 2) | -0.268966 |
| 14.4 (12/17/2020) | 16 (5/8/2013) | (14.4 - 16)/(32 - 2) | -0.0533333 |
| 51.6 (3/18/2021) | 16 (5/8/2013) | (51.6 - 16)/(33 - 2) | 1.14839 |
| 30.4 (5/5/2021) | 16 (5/8/2013) | (30.4 - 16)/(34 - 2) | 0.45 |
| 23.2 (9/2/2021) | 16 (5/8/2013) | (23.2 - 16)/(35 - 2) | 0.218182 |
| 40.2 (11/23/2021) | 16 (5/8/2013) | (40.2 - 16)/(36 - 2) | 0.711765 |
| 20.6 (1/11/2022) | 16 (5/8/2013) | (20.6 - 16)/(37 - 2) | 0.131429 |
| 178 (4/7/2022) | 16 (5/8/2013) | (178 - 16)/(38 - 2) | 4.5 |
| 11.1 (8/2/2022) | 16 (5/8/2013) | (11.1 - 16)/(39 - 2) | -0.132432 |
| 9.2 (11/16/2022) | 16 (5/8/2013) | (9.2 - 16)/(40 - 2) | -0.178947 |
| 17.9 (2/14/2023) | 16 (5/8/2013) | (17.9 - 16)/(41 - 2) | 0.0487179 |
| 17.2 (5/25/2023) | 16 (5/8/2013) | (17.2 - 16)/(42 - 2) | 0.03 |
| 15 (8/7/2023) | 16 (5/8/2013) | (15 - 16)/(43 - 2) | -0.0243902 |
| 38.2 (12/12/2023) | 16 (5/8/2013) | (38.2 - 16)/(44 - 2) | 0.528571 |
| 50 (1/10/2024) | 16 (5/8/2013) | (50 - 16)/(45 - 2) | 0.790698 |
| 8.4 (5/21/2024) | 16 (5/8/2013) | (8.4 - 16)/(46 - 2) | -0.172727 |
| 14.4 (9/16/2024) | 16 (5/8/2013) | (14.4 - 16)/(47 - 2) | -0.0355556 |
| 65.6 (12/11/2024) | 16 (5/8/2013) | (65.6 - 16)/(48 - 2) | 1.07826 |
| 250 (2/18/2025) | 16 (5/8/2013) | (250 - 16)/(49 - 2) | 4.97872 |
| | | | |
| 16 (12/10/2013) | 13 (9/23/2013) | (16 - 13)/(4 - 3) | 3 |
| 18 (2/6/2014) | 13 (9/23/2013) | (18 - 13)/(5 - 3) | 2.5 |
| 5.9 (6/26/2014) | 13 (9/23/2013) | (5.9 - 13)/(6 - 3) | -2.36667 |
| 28 (9/19/2014) | 13 (9/23/2013) | (28 - 13)/(7 - 3) | 3.75 |
| 12 (9/30/2014) | 13 (9/23/2013) | (12 - 13)/(8 - 3) | -0.2 |
| 34 (3/23/2015) | 13 (9/23/2013) | (34 - 13)/(9 - 3) | 3.5 |
| 15 (4/22/2015) | 13 (9/23/2013) | (15 - 13)/(10 - 3) | 0.285714 |
| 12.6 (9/30/2015) | 13 (9/23/2013) | (12.6 - 13)/(11 - 3) | -0.05 |

| | | | |
|---|---|---|---|
| 36 (11/19/2015) | 13 (9/23/2013) | (36 - 13)/(12 - 3) | 2.55556 |
| 69.6 (3/15/2016) | 13 (9/23/2013) | (69.6 - 13)/(13 - 3) | 5.66 |
| 17.5 (6/29/2016) | 13 (9/23/2013) | (17.5 - 13)/(14 - 3) | 0.409091 |
| 8.5 (8/9/2016) | 13 (9/23/2013) | (8.5 - 13)/(15 - 3) | -0.375 |
| 8.6 (12/7/2016) | 13 (9/23/2013) | (8.6 - 13)/(16 - 3) | -0.338462 |
| 14.6 (3/2/2017) | 13 (9/23/2013) | (14.6 - 13)/(17 - 3) | 0.114286 |
| 35 (7/5/2017) | 13 (9/23/2013) | (35 - 13)/(18 - 3) | 1.46667 |
| 12.4 (8/16/2017) | 13 (9/23/2013) | (12.4 - 13)/(19 - 3) | -0.0375 |
| 27.2 (10/25/2017) | 13 (9/23/2013) | (27.2 - 13)/(20 - 3) | 0.835294 |
| 10.9 (3/28/2018) | 13 (9/23/2013) | (10.9 - 13)/(21 - 3) | -0.116667 |
| 13.8 (6/29/2018) | 13 (9/23/2013) | (13.8 - 13)/(22 - 3) | 0.0421053 |
| 17.3 (8/2/2018) | 13 (9/23/2013) | (17.3 - 13)/(23 - 3) | 0.215 |
| 16.9 (12/10/2018) | 13 (9/23/2013) | (16.9 - 13)/(24 - 3) | 0.185714 |
| 36 (4/15/2019) | 13 (9/23/2013) | (36 - 13)/(25 - 3) | 1.04545 |
| 12.3 (6/12/2019) | 13 (9/23/2013) | (12.3 - 13)/(26 - 3) | -0.0304348 |
| 8.8 (8/27/2019) | 13 (9/23/2013) | (8.8 - 13)/(27 - 3) | -0.175 |
| 10.6 (10/29/2019) | 13 (9/23/2013) | (10.6 - 13)/(28 - 3) | -0.096 |
| 15.7 (3/30/2020) | 13 (9/23/2013) | (15.7 - 13)/(29 - 3) | 0.103846 |
| 11.4 (6/16/2020) | 13 (9/23/2013) | (11.4 - 13)/(30 - 3) | -0.0592593 |
| 8.2 (9/21/2020) | 13 (9/23/2013) | (8.2 - 13)/(31 - 3) | -0.171429 |
| 14.4 (12/17/2020) | 13 (9/23/2013) | (14.4 - 13)/(32 - 3) | 0.0482759 |
| 51.6 (3/18/2021) | 13 (9/23/2013) | (51.6 - 13)/(33 - 3) | 1.28667 |
| 30.4 (5/5/2021) | 13 (9/23/2013) | (30.4 - 13)/(34 - 3) | 0.56129 |
| 23.2 (9/2/2021) | 13 (9/23/2013) | (23.2 - 13)/(35 - 3) | 0.31875 |
| 40.2 (11/23/2021) | 13 (9/23/2013) | (40.2 - 13)/(36 - 3) | 0.824242 |
| 20.6 (1/11/2022) | 13 (9/23/2013) | (20.6 - 13)/(37 - 3) | 0.223529 |
| 178 (4/7/2022) | 13 (9/23/2013) | (178 - 13)/(38 - 3) | 4.71429 |
| 11.1 (8/2/2022) | 13 (9/23/2013) | (11.1 - 13)/(39 - 3) | -0.0527778 |
| 9.2 (11/16/2022) | 13 (9/23/2013) | (9.2 - 13)/(40 - 3) | -0.102703 |
| 17.9 (2/14/2023) | 13 (9/23/2013) | (17.9 - 13)/(41 - 3) | 0.128947 |
| 17.2 (5/25/2023) | 13 (9/23/2013) | (17.2 - 13)/(42 - 3) | 0.107692 |
| 15 (8/7/2023) | 13 (9/23/2013) | (15 - 13)/(43 - 3) | 0.05 |
| 38.2 (12/12/2023) | 13 (9/23/2013) | (38.2 - 13)/(44 - 3) | 0.614634 |
| 50 (1/10/2024) | 13 (9/23/2013) | (50 - 13)/(45 - 3) | 0.880952 |
| 8.4 (5/21/2024) | 13 (9/23/2013) | (8.4 - 13)/(46 - 3) | -0.106977 |
| 14.4 (9/16/2024) | 13 (9/23/2013) | (14.4 - 13)/(47 - 3) | 0.0318182 |
| 65.6 (12/11/2024) | 13 (9/23/2013) | (65.6 - 13)/(48 - 3) | 1.16889 |
| 250 (2/18/2025) | 13 (9/23/2013) | (250 - 13)/(49 - 3) | 5.15217 |
| | | | |
| 18 (2/6/2014) | 16 (12/10/2013) | (18 - 16)/(5 - 4) | 2 |
| 5.9 (6/26/2014) | 16 (12/10/2013) | (5.9 - 16)/(6 - 4) | -5.05 |
| 28 (9/19/2014) | 16 (12/10/2013) | (28 - 16)/(7 - 4) | 4 |
| 12 (9/30/2014) | 16 (12/10/2013) | (12 - 16)/(8 - 4) | -1 |
| 34 (3/23/2015) | 16 (12/10/2013) | (34 - 16)/(9 - 4) | 3.6 |
| 15 (4/22/2015) | 16 (12/10/2013) | (15 - 16)/(10 - 4) | -0.166667 |
| 12.6 (9/30/2015) | 16 (12/10/2013) | (12.6 - 16)/(11 - 4) | -0.485714 |
| 36 (11/19/2015) | 16 (12/10/2013) | (36 - 16)/(12 - 4) | 2.5 |
| 69.6 (3/15/2016) | 16 (12/10/2013) | (69.6 - 16)/(13 - 4) | 5.95556 |
| 17.5 (6/29/2016) | 16 (12/10/2013) | (17.5 - 16)/(14 - 4) | 0.15 |
| 8.5 (8/9/2016) | 16 (12/10/2013) | (8.5 - 16)/(15 - 4) | -0.681818 |
| 8.6 (12/7/2016) | 16 (12/10/2013) | (8.6 - 16)/(16 - 4) | -0.616667 |
| 14.6 (3/2/2017) | 16 (12/10/2013) | (14.6 - 16)/(17 - 4) | -0.107692 |
| 35 (7/5/2017) | 16 (12/10/2013) | (35 - 16)/(18 - 4) | 1.35714 |
| 12.4 (8/16/2017) | 16 (12/10/2013) | (12.4 - 16)/(19 - 4) | -0.24 |
| 27.2 (10/25/2017) | 16 (12/10/2013) | (27.2 - 16)/(20 - 4) | 0.7 |
| 10.9 (3/28/2018) | 16 (12/10/2013) | (10.9 - 16)/(21 - 4) | -0.3 |
| 13.8 (6/29/2018) | 16 (12/10/2013) | (13.8 - 16)/(22 - 4) | -0.122222 |

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|---|---|---|---|
| 17.3 (8/2/2018) | 16 (12/10/2013) | (17.3 - 16)/(23 - 4) | 0.0684211 |
| 16.9 (12/10/2018) | 16 (12/10/2013) | (16.9 - 16)/(24 - 4) | 0.045 |
| 36 (4/15/2019) | 16 (12/10/2013) | (36 - 16)/(25 - 4) | 0.952381 |
| 12.3 (6/12/2019) | 16 (12/10/2013) | (12.3 - 16)/(26 - 4) | -0.168182 |
| 8.8 (8/27/2019) | 16 (12/10/2013) | (8.8 - 16)/(27 - 4) | -0.313043 |
| 10.6 (10/29/2019) | 16 (12/10/2013) | (10.6 - 16)/(28 - 4) | -0.225 |
| 15.7 (3/30/2020) | 16 (12/10/2013) | (15.7 - 16)/(29 - 4) | -0.012 |
| 11.4 (6/16/2020) | 16 (12/10/2013) | (11.4 - 16)/(30 - 4) | -0.176923 |
| 8.2 (9/21/2020) | 16 (12/10/2013) | (8.2 - 16)/(31 - 4) | -0.288889 |
| 14.4 (12/17/2020) | 16 (12/10/2013) | (14.4 - 16)/(32 - 4) | -0.0571429 |
| 51.6 (3/18/2021) | 16 (12/10/2013) | (51.6 - 16)/(33 - 4) | 1.22759 |
| 30.4 (5/5/2021) | 16 (12/10/2013) | (30.4 - 16)/(34 - 4) | 0.48 |
| 23.2 (9/2/2021) | 16 (12/10/2013) | (23.2 - 16)/(35 - 4) | 0.232258 |
| 40.2 (11/23/2021) | 16 (12/10/2013) | (40.2 - 16)/(36 - 4) | 0.75625 |
| 20.6 (1/11/2022) | 16 (12/10/2013) | (20.6 - 16)/(37 - 4) | 0.139394 |
| 178 (4/7/2022) | 16 (12/10/2013) | (178 - 16)/(38 - 4) | 4.76471 |
| 11.1 (8/2/2022) | 16 (12/10/2013) | (11.1 - 16)/(39 - 4) | -0.14 |
| 9.2 (11/16/2022) | 16 (12/10/2013) | (9.2 - 16)/(40 - 4) | -0.188889 |
| 17.9 (2/14/2023) | 16 (12/10/2013) | (17.9 - 16)/(41 - 4) | 0.0513514 |
| 17.2 (5/25/2023) | 16 (12/10/2013) | (17.2 - 16)/(42 - 4) | 0.0315789 |
| 15 (8/7/2023) | 16 (12/10/2013) | (15 - 16)/(43 - 4) | -0.025641 |
| 38.2 (12/12/2023) | 16 (12/10/2013) | (38.2 - 16)/(44 - 4) | 0.555 |
| 50 (1/10/2024) | 16 (12/10/2013) | (50 - 16)/(45 - 4) | 0.829268 |
| 8.4 (5/21/2024) | 16 (12/10/2013) | (8.4 - 16)/(46 - 4) | -0.180952 |
| 14.4 (9/16/2024) | 16 (12/10/2013) | (14.4 - 16)/(47 - 4) | -0.0372093 |
| 65.6 (12/11/2024) | 16 (12/10/2013) | (65.6 - 16)/(48 - 4) | 1.12727 |
| 250 (2/18/2025) | 16 (12/10/2013) | (250 - 16)/(49 - 4) | 5.2 |
| | | | |
| 5.9 (6/26/2014) | 18 (2/6/2014) | (5.9 - 18)/(6 - 5) | -12.1 |
| 28 (9/19/2014) | 18 (2/6/2014) | (28 - 18)/(7 - 5) | 5 |
| 12 (9/30/2014) | 18 (2/6/2014) | (12 - 18)/(8 - 5) | -2 |
| 34 (3/23/2015) | 18 (2/6/2014) | (34 - 18)/(9 - 5) | 4 |
| 15 (4/22/2015) | 18 (2/6/2014) | (15 - 18)/(10 - 5) | -0.6 |
| 12.6 (9/30/2015) | 18 (2/6/2014) | (12.6 - 18)/(11 - 5) | -0.9 |
| 36 (11/19/2015) | 18 (2/6/2014) | (36 - 18)/(12 - 5) | 2.57143 |
| 69.6 (3/15/2016) | 18 (2/6/2014) | (69.6 - 18)/(13 - 5) | 6.45 |
| 17.5 (6/29/2016) | 18 (2/6/2014) | (17.5 - 18)/(14 - 5) | -0.0555556 |
| 8.5 (8/9/2016) | 18 (2/6/2014) | (8.5 - 18)/(15 - 5) | -0.95 |
| 8.6 (12/7/2016) | 18 (2/6/2014) | (8.6 - 18)/(16 - 5) | -0.854545 |
| 14.6 (3/2/2017) | 18 (2/6/2014) | (14.6 - 18)/(17 - 5) | -0.283333 |
| 35 (7/5/2017) | 18 (2/6/2014) | (35 - 18)/(18 - 5) | 1.30769 |
| 12.4 (8/16/2017) | 18 (2/6/2014) | (12.4 - 18)/(19 - 5) | -0.4 |
| 27.2 (10/25/2017) | 18 (2/6/2014) | (27.2 - 18)/(20 - 5) | 0.613333 |
| 10.9 (3/28/2018) | 18 (2/6/2014) | (10.9 - 18)/(21 - 5) | -0.44375 |
| 13.8 (6/29/2018) | 18 (2/6/2014) | (13.8 - 18)/(22 - 5) | -0.247059 |
| 17.3 (8/2/2018) | 18 (2/6/2014) | (17.3 - 18)/(23 - 5) | -0.0388889 |
| 16.9 (12/10/2018) | 18 (2/6/2014) | (16.9 - 18)/(24 - 5) | -0.0578947 |
| 36 (4/15/2019) | 18 (2/6/2014) | (36 - 18)/(25 - 5) | 0.9 |
| 12.3 (6/12/2019) | 18 (2/6/2014) | (12.3 - 18)/(26 - 5) | -0.271429 |
| 8.8 (8/27/2019) | 18 (2/6/2014) | (8.8 - 18)/(27 - 5) | -0.418182 |
| 10.6 (10/29/2019) | 18 (2/6/2014) | (10.6 - 18)/(28 - 5) | -0.321739 |
| 15.7 (3/30/2020) | 18 (2/6/2014) | (15.7 - 18)/(29 - 5) | -0.0958333 |
| 11.4 (6/16/2020) | 18 (2/6/2014) | (11.4 - 18)/(30 - 5) | -0.264 |
| 8.2 (9/21/2020) | 18 (2/6/2014) | (8.2 - 18)/(31 - 5) | -0.376923 |
| 14.4 (12/17/2020) | 18 (2/6/2014) | (14.4 - 18)/(32 - 5) | -0.133333 |
| 51.6 (3/18/2021) | 18 (2/6/2014) | (51.6 - 18)/(33 - 5) | 1.2 |
| 30.4 (5/5/2021) | 18 (2/6/2014) | (30.4 - 18)/(34 - 5) | 0.427586 |

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|---|---|---|---|
| 23.2 (9/2/2021) | 18 (2/6/2014) | (23.2 - 18)/(35 - 5) | 0.173333 |
| 40.2 (11/23/2021) | 18 (2/6/2014) | (40.2 - 18)/(36 - 5) | 0.716129 |
| 20.6 (1/11/2022) | 18 (2/6/2014) | (20.6 - 18)/(37 - 5) | 0.08125 |
| 178 (4/7/2022) | 18 (2/6/2014) | (178 - 18)/(38 - 5) | 4.84848 |
| 11.1 (8/2/2022) | 18 (2/6/2014) | (11.1 - 18)/(39 - 5) | -0.202941 |
| 9.2 (11/16/2022) | 18 (2/6/2014) | (9.2 - 18)/(40 - 5) | -0.251429 |
| 17.9 (2/14/2023) | 18 (2/6/2014) | (17.9 - 18)/(41 - 5) | -0.00277778 |
| 17.2 (5/25/2023) | 18 (2/6/2014) | (17.2 - 18)/(42 - 5) | -0.0216216 |
| 15 (8/7/2023) | 18 (2/6/2014) | (15 - 18)/(43 - 5) | -0.0789474 |
| 38.2 (12/12/2023) | 18 (2/6/2014) | (38.2 - 18)/(44 - 5) | 0.517949 |
| 50 (1/10/2024) | 18 (2/6/2014) | (50 - 18)/(45 - 5) | 0.8 |
| 8.4 (5/21/2024) | 18 (2/6/2014) | (8.4 - 18)/(46 - 5) | -0.234146 |
| 14.4 (9/16/2024) | 18 (2/6/2014) | (14.4 - 18)/(47 - 5) | -0.0857143 |
| 65.6 (12/11/2024) | 18 (2/6/2014) | (65.6 - 18)/(48 - 5) | 1.10698 |
| 250 (2/18/2025) | 18 (2/6/2014) | (250 - 18)/(49 - 5) | 5.27273 |
| | | | |
| 28 (9/19/2014) | 5.9 (6/26/2014) | (28 - 5.9)/(7 - 6) | 22.1 |
| 12 (9/30/2014) | 5.9 (6/26/2014) | (12 - 5.9)/(8 - 6) | 3.05 |
| 34 (3/23/2015) | 5.9 (6/26/2014) | (34 - 5.9)/(9 - 6) | 9.36667 |
| 15 (4/22/2015) | 5.9 (6/26/2014) | (15 - 5.9)/(10 - 6) | 2.275 |
| 12.6 (9/30/2015) | 5.9 (6/26/2014) | (12.6 - 5.9)/(11 - 6) | 1.34 |
| 36 (11/19/2015) | 5.9 (6/26/2014) | (36 - 5.9)/(12 - 6) | 5.01667 |
| 69.6 (3/15/2016) | 5.9 (6/26/2014) | (69.6 - 5.9)/(13 - 6) | 9.1 |
| 17.5 (6/29/2016) | 5.9 (6/26/2014) | (17.5 - 5.9)/(14 - 6) | 1.45 |
| 8.5 (8/9/2016) | 5.9 (6/26/2014) | (8.5 - 5.9)/(15 - 6) | 0.288889 |
| 8.6 (12/7/2016) | 5.9 (6/26/2014) | (8.6 - 5.9)/(16 - 6) | 0.27 |
| 14.6 (3/2/2017) | 5.9 (6/26/2014) | (14.6 - 5.9)/(17 - 6) | 0.790909 |
| 35 (7/5/2017) | 5.9 (6/26/2014) | (35 - 5.9)/(18 - 6) | 2.425 |
| 12.4 (8/16/2017) | 5.9 (6/26/2014) | (12.4 - 5.9)/(19 - 6) | 0.5 |
| 27.2 (10/25/2017) | 5.9 (6/26/2014) | (27.2 - 5.9)/(20 - 6) | 1.52143 |
| 10.9 (3/28/2018) | 5.9 (6/26/2014) | (10.9 - 5.9)/(21 - 6) | 0.333333 |
| 13.8 (6/29/2018) | 5.9 (6/26/2014) | (13.8 - 5.9)/(22 - 6) | 0.49375 |
| 17.3 (8/2/2018) | 5.9 (6/26/2014) | (17.3 - 5.9)/(23 - 6) | 0.670588 |
| 16.9 (12/10/2018) | 5.9 (6/26/2014) | (16.9 - 5.9)/(24 - 6) | 0.611111 |
| 36 (4/15/2019) | 5.9 (6/26/2014) | (36 - 5.9)/(25 - 6) | 1.58421 |
| 12.3 (6/12/2019) | 5.9 (6/26/2014) | (12.3 - 5.9)/(26 - 6) | 0.32 |
| 8.8 (8/27/2019) | 5.9 (6/26/2014) | (8.8 - 5.9)/(27 - 6) | 0.138095 |
| 10.6 (10/29/2019) | 5.9 (6/26/2014) | (10.6 - 5.9)/(28 - 6) | 0.213636 |
| 15.7 (3/30/2020) | 5.9 (6/26/2014) | (15.7 - 5.9)/(29 - 6) | 0.426087 |
| 11.4 (6/16/2020) | 5.9 (6/26/2014) | (11.4 - 5.9)/(30 - 6) | 0.229167 |
| 8.2 (9/21/2020) | 5.9 (6/26/2014) | (8.2 - 5.9)/(31 - 6) | 0.092 |
| 14.4 (12/17/2020) | 5.9 (6/26/2014) | (14.4 - 5.9)/(32 - 6) | 0.326923 |
| 51.6 (3/18/2021) | 5.9 (6/26/2014) | (51.6 - 5.9)/(33 - 6) | 1.69259 |
| 30.4 (5/5/2021) | 5.9 (6/26/2014) | (30.4 - 5.9)/(34 - 6) | 0.875 |
| 23.2 (9/2/2021) | 5.9 (6/26/2014) | (23.2 - 5.9)/(35 - 6) | 0.596552 |
| 40.2 (11/23/2021) | 5.9 (6/26/2014) | (40.2 - 5.9)/(36 - 6) | 1.14333 |
| 20.6 (1/11/2022) | 5.9 (6/26/2014) | (20.6 - 5.9)/(37 - 6) | 0.474194 |
| 178 (4/7/2022) | 5.9 (6/26/2014) | (178 - 5.9)/(38 - 6) | 5.37812 |
| 11.1 (8/2/2022) | 5.9 (6/26/2014) | (11.1 - 5.9)/(39 - 6) | 0.157576 |
| 9.2 (11/16/2022) | 5.9 (6/26/2014) | (9.2 - 5.9)/(40 - 6) | 0.0970588 |
| 17.9 (2/14/2023) | 5.9 (6/26/2014) | (17.9 - 5.9)/(41 - 6) | 0.342857 |
| 17.2 (5/25/2023) | 5.9 (6/26/2014) | (17.2 - 5.9)/(42 - 6) | 0.313889 |
| 15 (8/7/2023) | 5.9 (6/26/2014) | (15 - 5.9)/(43 - 6) | 0.245946 |
| 38.2 (12/12/2023) | 5.9 (6/26/2014) | (38.2 - 5.9)/(44 - 6) | 0.85 |
| 50 (1/10/2024) | 5.9 (6/26/2014) | (50 - 5.9)/(45 - 6) | 1.13077 |
| 8.4 (5/21/2024) | 5.9 (6/26/2014) | (8.4 - 5.9)/(46 - 6) | 0.0625 |
| 14.4 (9/16/2024) | 5.9 (6/26/2014) | (14.4 - 5.9)/(47 - 6) | 0.207317 |

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|---|---|---|---|
| 65.6 (12/11/2024) | 5.9 (6/26/2014) | (65.6 - 5.9)/(48 - 6) | 1.42143 |
| 250 (2/18/2025) | 5.9 (6/26/2014) | (250 - 5.9)/(49 - 6) | 5.67674 |
| | | | |
| 12 (9/30/2014) | 28 (9/19/2014) | (12 - 28)/(8 - 7) | -16 |
| 34 (3/23/2015) | 28 (9/19/2014) | (34 - 28)/(9 - 7) | 3 |
| 15 (4/22/2015) | 28 (9/19/2014) | (15 - 28)/(10 - 7) | -4.33333 |
| 12.6 (9/30/2015) | 28 (9/19/2014) | (12.6 - 28)/(11 - 7) | -3.85 |
| 36 (11/19/2015) | 28 (9/19/2014) | (36 - 28)/(12 - 7) | 1.6 |
| 69.6 (3/15/2016) | 28 (9/19/2014) | (69.6 - 28)/(13 - 7) | 6.93333 |
| 17.5 (6/29/2016) | 28 (9/19/2014) | (17.5 - 28)/(14 - 7) | -1.5 |
| 8.5 (8/9/2016) | 28 (9/19/2014) | (8.5 - 28)/(15 - 7) | -2.4375 |
| 8.6 (12/7/2016) | 28 (9/19/2014) | (8.6 - 28)/(16 - 7) | -2.15556 |
| 14.6 (3/2/2017) | 28 (9/19/2014) | (14.6 - 28)/(17 - 7) | -1.34 |
| 35 (7/5/2017) | 28 (9/19/2014) | (35 - 28)/(18 - 7) | 0.636364 |
| 12.4 (8/16/2017) | 28 (9/19/2014) | (12.4 - 28)/(19 - 7) | -1.3 |
| 27.2 (10/25/2017) | 28 (9/19/2014) | (27.2 - 28)/(20 - 7) | -0.0615385 |
| 10.9 (3/28/2018) | 28 (9/19/2014) | (10.9 - 28)/(21 - 7) | -1.22143 |
| 13.8 (6/29/2018) | 28 (9/19/2014) | (13.8 - 28)/(22 - 7) | -0.946667 |
| 17.3 (8/2/2018) | 28 (9/19/2014) | (17.3 - 28)/(23 - 7) | -0.66875 |
| 16.9 (12/10/2018) | 28 (9/19/2014) | (16.9 - 28)/(24 - 7) | -0.652941 |
| 36 (4/15/2019) | 28 (9/19/2014) | (36 - 28)/(25 - 7) | 0.444444 |
| 12.3 (6/12/2019) | 28 (9/19/2014) | (12.3 - 28)/(26 - 7) | -0.826316 |
| 8.8 (8/27/2019) | 28 (9/19/2014) | (8.8 - 28)/(27 - 7) | -0.96 |
| 10.6 (10/29/2019) | 28 (9/19/2014) | (10.6 - 28)/(28 - 7) | -0.828571 |
| 15.7 (3/30/2020) | 28 (9/19/2014) | (15.7 - 28)/(29 - 7) | -0.559091 |
| 11.4 (6/16/2020) | 28 (9/19/2014) | (11.4 - 28)/(30 - 7) | -0.721739 |
| 8.2 (9/21/2020) | 28 (9/19/2014) | (8.2 - 28)/(31 - 7) | -0.825 |
| 14.4 (12/17/2020) | 28 (9/19/2014) | (14.4 - 28)/(32 - 7) | -0.544 |
| 51.6 (3/18/2021) | 28 (9/19/2014) | (51.6 - 28)/(33 - 7) | 0.907692 |
| 30.4 (5/5/2021) | 28 (9/19/2014) | (30.4 - 28)/(34 - 7) | 0.0888889 |
| 23.2 (9/2/2021) | 28 (9/19/2014) | (23.2 - 28)/(35 - 7) | -0.171429 |
| 40.2 (11/23/2021) | 28 (9/19/2014) | (40.2 - 28)/(36 - 7) | 0.42069 |
| 20.6 (1/11/2022) | 28 (9/19/2014) | (20.6 - 28)/(37 - 7) | -0.246667 |
| 178 (4/7/2022) | 28 (9/19/2014) | (178 - 28)/(38 - 7) | 4.83871 |
| 11.1 (8/2/2022) | 28 (9/19/2014) | (11.1 - 28)/(39 - 7) | -0.528125 |
| 9.2 (11/16/2022) | 28 (9/19/2014) | (9.2 - 28)/(40 - 7) | -0.569697 |
| 17.9 (2/14/2023) | 28 (9/19/2014) | (17.9 - 28)/(41 - 7) | -0.297059 |
| 17.2 (5/25/2023) | 28 (9/19/2014) | (17.2 - 28)/(42 - 7) | -0.308571 |
| 15 (8/7/2023) | 28 (9/19/2014) | (15 - 28)/(43 - 7) | -0.361111 |
| 38.2 (12/12/2023) | 28 (9/19/2014) | (38.2 - 28)/(44 - 7) | 0.275676 |
| 50 (1/10/2024) | 28 (9/19/2014) | (50 - 28)/(45 - 7) | 0.578947 |
| 8.4 (5/21/2024) | 28 (9/19/2014) | (8.4 - 28)/(46 - 7) | -0.502564 |
| 14.4 (9/16/2024) | 28 (9/19/2014) | (14.4 - 28)/(47 - 7) | -0.34 |
| 65.6 (12/11/2024) | 28 (9/19/2014) | (65.6 - 28)/(48 - 7) | 0.917073 |
| 250 (2/18/2025) | 28 (9/19/2014) | (250 - 28)/(49 - 7) | 5.28571 |
| | | | |
| 34 (3/23/2015) | 12 (9/30/2014) | (34 - 12)/(9 - 8) | 22 |
| 15 (4/22/2015) | 12 (9/30/2014) | (15 - 12)/(10 - 8) | 1.5 |
| 12.6 (9/30/2015) | 12 (9/30/2014) | (12.6 - 12)/(11 - 8) | 0.2 |
| 36 (11/19/2015) | 12 (9/30/2014) | (36 - 12)/(12 - 8) | 6 |
| 69.6 (3/15/2016) | 12 (9/30/2014) | (69.6 - 12)/(13 - 8) | 11.52 |
| 17.5 (6/29/2016) | 12 (9/30/2014) | (17.5 - 12)/(14 - 8) | 0.916667 |
| 8.5 (8/9/2016) | 12 (9/30/2014) | (8.5 - 12)/(15 - 8) | -0.5 |
| 8.6 (12/7/2016) | 12 (9/30/2014) | (8.6 - 12)/(16 - 8) | -0.425 |
| 14.6 (3/2/2017) | 12 (9/30/2014) | (14.6 - 12)/(17 - 8) | 0.288889 |
| 35 (7/5/2017) | 12 (9/30/2014) | (35 - 12)/(18 - 8) | 2.3 |
| 12.4 (8/16/2017) | 12 (9/30/2014) | (12.4 - 12)/(19 - 8) | 0.0363636 |

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|---|---|---|---|
| 27.2 (10/25/2017) | 12 (9/30/2014) | (27.2 - 12)/(20 - 8) | 1.26667 |
| 10.9 (3/28/2018) | 12 (9/30/2014) | (10.9 - 12)/(21 - 8) | -0.0846154 |
| 13.8 (6/29/2018) | 12 (9/30/2014) | (13.8 - 12)/(22 - 8) | 0.128571 |
| 17.3 (8/2/2018) | 12 (9/30/2014) | (17.3 - 12)/(23 - 8) | 0.353333 |
| 16.9 (12/10/2018) | 12 (9/30/2014) | (16.9 - 12)/(24 - 8) | 0.30625 |
| 36 (4/15/2019) | 12 (9/30/2014) | (36 - 12)/(25 - 8) | 1.41176 |
| 12.3 (6/12/2019) | 12 (9/30/2014) | (12.3 - 12)/(26 - 8) | 0.0166667 |
| 8.8 (8/27/2019) | 12 (9/30/2014) | (8.8 - 12)/(27 - 8) | -0.168421 |
| 10.6 (10/29/2019) | 12 (9/30/2014) | (10.6 - 12)/(28 - 8) | -0.07 |
| 15.7 (3/30/2020) | 12 (9/30/2014) | (15.7 - 12)/(29 - 8) | 0.17619 |
| 11.4 (6/16/2020) | 12 (9/30/2014) | (11.4 - 12)/(30 - 8) | -0.0272727 |
| 8.2 (9/21/2020) | 12 (9/30/2014) | (8.2 - 12)/(31 - 8) | -0.165217 |
| 14.4 (12/17/2020) | 12 (9/30/2014) | (14.4 - 12)/(32 - 8) | 0.1 |
| 51.6 (3/18/2021) | 12 (9/30/2014) | (51.6 - 12)/(33 - 8) | 1.584 |
| 30.4 (5/5/2021) | 12 (9/30/2014) | (30.4 - 12)/(34 - 8) | 0.707692 |
| 23.2 (9/2/2021) | 12 (9/30/2014) | (23.2 - 12)/(35 - 8) | 0.414815 |
| 40.2 (11/23/2021) | 12 (9/30/2014) | (40.2 - 12)/(36 - 8) | 1.00714 |
| 20.6 (1/11/2022) | 12 (9/30/2014) | (20.6 - 12)/(37 - 8) | 0.296552 |
| 178 (4/7/2022) | 12 (9/30/2014) | (178 - 12)/(38 - 8) | 5.53333 |
| 11.1 (8/2/2022) | 12 (9/30/2014) | (11.1 - 12)/(39 - 8) | -0.0290323 |
| 9.2 (11/16/2022) | 12 (9/30/2014) | (9.2 - 12)/(40 - 8) | -0.0875 |
| 17.9 (2/14/2023) | 12 (9/30/2014) | (17.9 - 12)/(41 - 8) | 0.178788 |
| 17.2 (5/25/2023) | 12 (9/30/2014) | (17.2 - 12)/(42 - 8) | 0.152941 |
| 15 (8/7/2023) | 12 (9/30/2014) | (15 - 12)/(43 - 8) | 0.0857143 |
| 38.2 (12/12/2023) | 12 (9/30/2014) | (38.2 - 12)/(44 - 8) | 0.727778 |
| 50 (1/10/2024) | 12 (9/30/2014) | (50 - 12)/(45 - 8) | 1.02703 |
| 8.4 (5/21/2024) | 12 (9/30/2014) | (8.4 - 12)/(46 - 8) | -0.0947368 |
| 14.4 (9/16/2024) | 12 (9/30/2014) | (14.4 - 12)/(47 - 8) | 0.0615385 |
| 65.6 (12/11/2024) | 12 (9/30/2014) | (65.6 - 12)/(48 - 8) | 1.34 |
| 250 (2/18/2025) | 12 (9/30/2014) | (250 - 12)/(49 - 8) | 5.80488 |
| | | | |
| 15 (4/22/2015) | 34 (3/23/2015) | (15 - 34)/(10 - 9) | -19 |
| 12.6 (9/30/2015) | 34 (3/23/2015) | (12.6 - 34)/(11 - 9) | -10.7 |
| 36 (11/19/2015) | 34 (3/23/2015) | (36 - 34)/(12 - 9) | 0.666667 |
| 69.6 (3/15/2016) | 34 (3/23/2015) | (69.6 - 34)/(13 - 9) | 8.9 |
| 17.5 (6/29/2016) | 34 (3/23/2015) | (17.5 - 34)/(14 - 9) | -3.3 |
| 8.5 (8/9/2016) | 34 (3/23/2015) | (8.5 - 34)/(15 - 9) | -4.25 |
| 8.6 (12/7/2016) | 34 (3/23/2015) | (8.6 - 34)/(16 - 9) | -3.62857 |
| 14.6 (3/2/2017) | 34 (3/23/2015) | (14.6 - 34)/(17 - 9) | -2.425 |
| 35 (7/5/2017) | 34 (3/23/2015) | (35 - 34)/(18 - 9) | 0.111111 |
| 12.4 (8/16/2017) | 34 (3/23/2015) | (12.4 - 34)/(19 - 9) | -2.16 |
| 27.2 (10/25/2017) | 34 (3/23/2015) | (27.2 - 34)/(20 - 9) | -0.618182 |
| 10.9 (3/28/2018) | 34 (3/23/2015) | (10.9 - 34)/(21 - 9) | -1.925 |
| 13.8 (6/29/2018) | 34 (3/23/2015) | (13.8 - 34)/(22 - 9) | -1.55385 |
| 17.3 (8/2/2018) | 34 (3/23/2015) | (17.3 - 34)/(23 - 9) | -1.19286 |
| 16.9 (12/10/2018) | 34 (3/23/2015) | (16.9 - 34)/(24 - 9) | -1.14 |
| 36 (4/15/2019) | 34 (3/23/2015) | (36 - 34)/(25 - 9) | 0.125 |
| 12.3 (6/12/2019) | 34 (3/23/2015) | (12.3 - 34)/(26 - 9) | -1.27647 |
| 8.8 (8/27/2019) | 34 (3/23/2015) | (8.8 - 34)/(27 - 9) | -1.4 |
| 10.6 (10/29/2019) | 34 (3/23/2015) | (10.6 - 34)/(28 - 9) | -1.23158 |
| 15.7 (3/30/2020) | 34 (3/23/2015) | (15.7 - 34)/(29 - 9) | -0.915 |
| 11.4 (6/16/2020) | 34 (3/23/2015) | (11.4 - 34)/(30 - 9) | -1.07619 |
| 8.2 (9/21/2020) | 34 (3/23/2015) | (8.2 - 34)/(31 - 9) | -1.17273 |
| 14.4 (12/17/2020) | 34 (3/23/2015) | (14.4 - 34)/(32 - 9) | -0.852174 |
| 51.6 (3/18/2021) | 34 (3/23/2015) | (51.6 - 34)/(33 - 9) | 0.733333 |
| 30.4 (5/5/2021) | 34 (3/23/2015) | (30.4 - 34)/(34 - 9) | -0.144 |
| 23.2 (9/2/2021) | 34 (3/23/2015) | (23.2 - 34)/(35 - 9) | -0.415385 |

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|---|---|---|---|
| 40.2 (11/23/2021) | 34 (3/23/2015) | (40.2 - 34)/(36 - 9) | 0.22963 |
| 20.6 (1/11/2022) | 34 (3/23/2015) | (20.6 - 34)/(37 - 9) | -0.478571 |
| 178 (4/7/2022) | 34 (3/23/2015) | (178 - 34)/(38 - 9) | 4.96552 |
| 11.1 (8/2/2022) | 34 (3/23/2015) | (11.1 - 34)/(39 - 9) | -0.763333 |
| 9.2 (11/16/2022) | 34 (3/23/2015) | (9.2 - 34)/(40 - 9) | -0.8 |
| 17.9 (2/14/2023) | 34 (3/23/2015) | (17.9 - 34)/(41 - 9) | -0.503125 |
| 17.2 (5/25/2023) | 34 (3/23/2015) | (17.2 - 34)/(42 - 9) | -0.509091 |
| 15 (8/7/2023) | 34 (3/23/2015) | (15 - 34)/(43 - 9) | -0.558824 |
| 38.2 (12/12/2023) | 34 (3/23/2015) | (38.2 - 34)/(44 - 9) | 0.12 |
| 50 (1/10/2024) | 34 (3/23/2015) | (50 - 34)/(45 - 9) | 0.444444 |
| 8.4 (5/21/2024) | 34 (3/23/2015) | (8.4 - 34)/(46 - 9) | -0.691892 |
| 14.4 (9/16/2024) | 34 (3/23/2015) | (14.4 - 34)/(47 - 9) | -0.515789 |
| 65.6 (12/11/2024) | 34 (3/23/2015) | (65.6 - 34)/(48 - 9) | 0.810256 |
| 250 (2/18/2025) | 34 (3/23/2015) | (250 - 34)/(49 - 9) | 5.4 |
| | | | |
| 12.6 (9/30/2015) | 15 (4/22/2015) | (12.6 - 15)/(11 - 10) | -2.4 |
| 36 (11/19/2015) | 15 (4/22/2015) | (36 - 15)/(12 - 10) | 10.5 |
| 69.6 (3/15/2016) | 15 (4/22/2015) | (69.6 - 15)/(13 - 10) | 18.2 |
| 17.5 (6/29/2016) | 15 (4/22/2015) | (17.5 - 15)/(14 - 10) | 0.625 |
| 8.5 (8/9/2016) | 15 (4/22/2015) | (8.5 - 15)/(15 - 10) | -1.3 |
| 8.6 (12/7/2016) | 15 (4/22/2015) | (8.6 - 15)/(16 - 10) | -1.06667 |
| 14.6 (3/2/2017) | 15 (4/22/2015) | (14.6 - 15)/(17 - 10) | -0.0571429 |
| 35 (7/5/2017) | 15 (4/22/2015) | (35 - 15)/(18 - 10) | 2.5 |
| 12.4 (8/16/2017) | 15 (4/22/2015) | (12.4 - 15)/(19 - 10) | -0.288889 |
| 27.2 (10/25/2017) | 15 (4/22/2015) | (27.2 - 15)/(20 - 10) | 1.22 |
| 10.9 (3/28/2018) | 15 (4/22/2015) | (10.9 - 15)/(21 - 10) | -0.372727 |
| 13.8 (6/29/2018) | 15 (4/22/2015) | (13.8 - 15)/(22 - 10) | -0.1 |
| 17.3 (8/2/2018) | 15 (4/22/2015) | (17.3 - 15)/(23 - 10) | 0.176923 |
| 16.9 (12/10/2018) | 15 (4/22/2015) | (16.9 - 15)/(24 - 10) | 0.135714 |
| 36 (4/15/2019) | 15 (4/22/2015) | (36 - 15)/(25 - 10) | 1.4 |
| 12.3 (6/12/2019) | 15 (4/22/2015) | (12.3 - 15)/(26 - 10) | -0.16875 |
| 8.8 (8/27/2019) | 15 (4/22/2015) | (8.8 - 15)/(27 - 10) | -0.364706 |
| 10.6 (10/29/2019) | 15 (4/22/2015) | (10.6 - 15)/(28 - 10) | -0.244444 |
| 15.7 (3/30/2020) | 15 (4/22/2015) | (15.7 - 15)/(29 - 10) | 0.0368421 |
| 11.4 (6/16/2020) | 15 (4/22/2015) | (11.4 - 15)/(30 - 10) | -0.18 |
| 8.2 (9/21/2020) | 15 (4/22/2015) | (8.2 - 15)/(31 - 10) | -0.32381 |
| 14.4 (12/17/2020) | 15 (4/22/2015) | (14.4 - 15)/(32 - 10) | -0.0272727 |
| 51.6 (3/18/2021) | 15 (4/22/2015) | (51.6 - 15)/(33 - 10) | 1.5913 |
| 30.4 (5/5/2021) | 15 (4/22/2015) | (30.4 - 15)/(34 - 10) | 0.641667 |
| 23.2 (9/2/2021) | 15 (4/22/2015) | (23.2 - 15)/(35 - 10) | 0.328 |
| 40.2 (11/23/2021) | 15 (4/22/2015) | (40.2 - 15)/(36 - 10) | 0.969231 |
| 20.6 (1/11/2022) | 15 (4/22/2015) | (20.6 - 15)/(37 - 10) | 0.207407 |
| 178 (4/7/2022) | 15 (4/22/2015) | (178 - 15)/(38 - 10) | 5.82143 |
| 11.1 (8/2/2022) | 15 (4/22/2015) | (11.1 - 15)/(39 - 10) | -0.134483 |
| 9.2 (11/16/2022) | 15 (4/22/2015) | (9.2 - 15)/(40 - 10) | -0.193333 |
| 17.9 (2/14/2023) | 15 (4/22/2015) | (17.9 - 15)/(41 - 10) | 0.0935484 |
| 17.2 (5/25/2023) | 15 (4/22/2015) | (17.2 - 15)/(42 - 10) | 0.06875 |
| 15 (8/7/2023) | 15 (4/22/2015) | (15 - 15)/(43 - 10) | 0 |
| 38.2 (12/12/2023) | 15 (4/22/2015) | (38.2 - 15)/(44 - 10) | 0.682353 |
| 50 (1/10/2024) | 15 (4/22/2015) | (50 - 15)/(45 - 10) | 1 |
| 8.4 (5/21/2024) | 15 (4/22/2015) | (8.4 - 15)/(46 - 10) | -0.183333 |
| 14.4 (9/16/2024) | 15 (4/22/2015) | (14.4 - 15)/(47 - 10) | -0.0162162 |
| 65.6 (12/11/2024) | 15 (4/22/2015) | (65.6 - 15)/(48 - 10) | 1.33158 |
| 250 (2/18/2025) | 15 (4/22/2015) | (250 - 15)/(49 - 10) | 6.02564 |
| | | | |
| 36 (11/19/2015) | 12.6 (9/30/2015) | (36 - 12.6)/(12 - 11) | 23.4 |
| 69.6 (3/15/2016) | 12.6 (9/30/2015) | (69.6 - 12.6)/(13 - 11) | 28.5 |

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|---|---|---|---|
| 17.5 (6/29/2016) | 12.6 (9/30/2015) | (17.5 - 12.6)/(14 - 11) | 1.63333 |
| 8.5 (8/9/2016) | 12.6 (9/30/2015) | (8.5 - 12.6)/(15 - 11) | -1.025 |
| 8.6 (12/7/2016) | 12.6 (9/30/2015) | (8.6 - 12.6)/(16 - 11) | -0.8 |
| 14.6 (3/2/2017) | 12.6 (9/30/2015) | (14.6 - 12.6)/(17 - 11) | 0.333333 |
| 35 (7/5/2017) | 12.6 (9/30/2015) | (35 - 12.6)/(18 - 11) | 3.2 |
| 12.4 (8/16/2017) | 12.6 (9/30/2015) | (12.4 - 12.6)/(19 - 11) | -0.025 |
| 27.2 (10/25/2017) | 12.6 (9/30/2015) | (27.2 - 12.6)/(20 - 11) | 1.62222 |
| 10.9 (3/28/2018) | 12.6 (9/30/2015) | (10.9 - 12.6)/(21 - 11) | -0.17 |
| 13.8 (6/29/2018) | 12.6 (9/30/2015) | (13.8 - 12.6)/(22 - 11) | 0.109091 |
| 17.3 (8/2/2018) | 12.6 (9/30/2015) | (17.3 - 12.6)/(23 - 11) | 0.391667 |
| 16.9 (12/10/2018) | 12.6 (9/30/2015) | (16.9 - 12.6)/(24 - 11) | 0.330769 |
| 36 (4/15/2019) | 12.6 (9/30/2015) | (36 - 12.6)/(25 - 11) | 1.67143 |
| 12.3 (6/12/2019) | 12.6 (9/30/2015) | (12.3 - 12.6)/(26 - 11) | -0.02 |
| 8.8 (8/27/2019) | 12.6 (9/30/2015) | (8.8 - 12.6)/(27 - 11) | -0.2375 |
| 10.6 (10/29/2019) | 12.6 (9/30/2015) | (10.6 - 12.6)/(28 - 11) | -0.117647 |
| 15.7 (3/30/2020) | 12.6 (9/30/2015) | (15.7 - 12.6)/(29 - 11) | 0.172222 |
| 11.4 (6/16/2020) | 12.6 (9/30/2015) | (11.4 - 12.6)/(30 - 11) | -0.0631579 |
| 8.2 (9/21/2020) | 12.6 (9/30/2015) | (8.2 - 12.6)/(31 - 11) | -0.22 |
| 14.4 (12/17/2020) | 12.6 (9/30/2015) | (14.4 - 12.6)/(32 - 11) | 0.0857143 |
| 51.6 (3/18/2021) | 12.6 (9/30/2015) | (51.6 - 12.6)/(33 - 11) | 1.77273 |
| 30.4 (5/5/2021) | 12.6 (9/30/2015) | (30.4 - 12.6)/(34 - 11) | 0.773913 |
| 23.2 (9/2/2021) | 12.6 (9/30/2015) | (23.2 - 12.6)/(35 - 11) | 0.441667 |
| 40.2 (11/23/2021) | 12.6 (9/30/2015) | (40.2 - 12.6)/(36 - 11) | 1.104 |
| 20.6 (1/11/2022) | 12.6 (9/30/2015) | (20.6 - 12.6)/(37 - 11) | 0.307692 |
| 178 (4/7/2022) | 12.6 (9/30/2015) | (178 - 12.6)/(38 - 11) | 6.12593 |
| 11.1 (8/2/2022) | 12.6 (9/30/2015) | (11.1 - 12.6)/(39 - 11) | -0.0535714 |
| 9.2 (11/16/2022) | 12.6 (9/30/2015) | (9.2 - 12.6)/(40 - 11) | -0.117241 |
| 17.9 (2/14/2023) | 12.6 (9/30/2015) | (17.9 - 12.6)/(41 - 11) | 0.176667 |
| 17.2 (5/25/2023) | 12.6 (9/30/2015) | (17.2 - 12.6)/(42 - 11) | 0.148387 |
| 15 (8/7/2023) | 12.6 (9/30/2015) | (15 - 12.6)/(43 - 11) | 0.075 |
| 38.2 (12/12/2023) | 12.6 (9/30/2015) | (38.2 - 12.6)/(44 - 11) | 0.775758 |
| 50 (1/10/2024) | 12.6 (9/30/2015) | (50 - 12.6)/(45 - 11) | 1.1 |
| 8.4 (5/21/2024) | 12.6 (9/30/2015) | (8.4 - 12.6)/(46 - 11) | -0.12 |
| 14.4 (9/16/2024) | 12.6 (9/30/2015) | (14.4 - 12.6)/(47 - 11) | 0.05 |
| 65.6 (12/11/2024) | 12.6 (9/30/2015) | (65.6 - 12.6)/(48 - 11) | 1.43243 |
| 250 (2/18/2025) | 12.6 (9/30/2015) | (250 - 12.6)/(49 - 11) | 6.24737 |
| | | | |
| 69.6 (3/15/2016) | 36 (11/19/2015) | (69.6 - 36)/(13 - 12) | 33.6 |
| 17.5 (6/29/2016) | 36 (11/19/2015) | (17.5 - 36)/(14 - 12) | -9.25 |
| 8.5 (8/9/2016) | 36 (11/19/2015) | (8.5 - 36)/(15 - 12) | -9.16667 |
| 8.6 (12/7/2016) | 36 (11/19/2015) | (8.6 - 36)/(16 - 12) | -6.85 |
| 14.6 (3/2/2017) | 36 (11/19/2015) | (14.6 - 36)/(17 - 12) | -4.28 |
| 35 (7/5/2017) | 36 (11/19/2015) | (35 - 36)/(18 - 12) | -0.166667 |
| 12.4 (8/16/2017) | 36 (11/19/2015) | (12.4 - 36)/(19 - 12) | -3.37143 |
| 27.2 (10/25/2017) | 36 (11/19/2015) | (27.2 - 36)/(20 - 12) | -1.1 |
| 10.9 (3/28/2018) | 36 (11/19/2015) | (10.9 - 36)/(21 - 12) | -2.78889 |
| 13.8 (6/29/2018) | 36 (11/19/2015) | (13.8 - 36)/(22 - 12) | -2.22 |
| 17.3 (8/2/2018) | 36 (11/19/2015) | (17.3 - 36)/(23 - 12) | -1.7 |
| 16.9 (12/10/2018) | 36 (11/19/2015) | (16.9 - 36)/(24 - 12) | -1.59167 |
| 36 (4/15/2019) | 36 (11/19/2015) | (36 - 36)/(25 - 12) | 0 |
| 12.3 (6/12/2019) | 36 (11/19/2015) | (12.3 - 36)/(26 - 12) | -1.69286 |
| 8.8 (8/27/2019) | 36 (11/19/2015) | (8.8 - 36)/(27 - 12) | -1.81333 |
| 10.6 (10/29/2019) | 36 (11/19/2015) | (10.6 - 36)/(28 - 12) | -1.5875 |
| 15.7 (3/30/2020) | 36 (11/19/2015) | (15.7 - 36)/(29 - 12) | -1.19412 |
| 11.4 (6/16/2020) | 36 (11/19/2015) | (11.4 - 36)/(30 - 12) | -1.36667 |
| 8.2 (9/21/2020) | 36 (11/19/2015) | (8.2 - 36)/(31 - 12) | -1.46316 |
| 14.4 (12/17/2020) | 36 (11/19/2015) | (14.4 - 36)/(32 - 12) | -1.08 |

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|---|---|---|---|
| 51.6 (3/18/2021) | 36 (11/19/2015) | (51.6 - 36)/(33 - 12) | 0.742857 |
| 30.4 (5/5/2021) | 36 (11/19/2015) | (30.4 - 36)/(34 - 12) | -0.254545 |
| 23.2 (9/2/2021) | 36 (11/19/2015) | (23.2 - 36)/(35 - 12) | -0.556522 |
| 40.2 (11/23/2021) | 36 (11/19/2015) | (40.2 - 36)/(36 - 12) | 0.175 |
| 20.6 (1/11/2022) | 36 (11/19/2015) | (20.6 - 36)/(37 - 12) | -0.616 |
| 178 (4/7/2022) | 36 (11/19/2015) | (178 - 36)/(38 - 12) | 5.46154 |
| 11.1 (8/2/2022) | 36 (11/19/2015) | (11.1 - 36)/(39 - 12) | -0.922222 |
| 9.2 (11/16/2022) | 36 (11/19/2015) | (9.2 - 36)/(40 - 12) | -0.957143 |
| 17.9 (2/14/2023) | 36 (11/19/2015) | (17.9 - 36)/(41 - 12) | -0.624138 |
| 17.2 (5/25/2023) | 36 (11/19/2015) | (17.2 - 36)/(42 - 12) | -0.626667 |
| 15 (8/7/2023) | 36 (11/19/2015) | (15 - 36)/(43 - 12) | -0.677419 |
| 38.2 (12/12/2023) | 36 (11/19/2015) | (38.2 - 36)/(44 - 12) | 0.06875 |
| 50 (1/10/2024) | 36 (11/19/2015) | (50 - 36)/(45 - 12) | 0.424242 |
| 8.4 (5/21/2024) | 36 (11/19/2015) | (8.4 - 36)/(46 - 12) | -0.811765 |
| 14.4 (9/16/2024) | 36 (11/19/2015) | (14.4 - 36)/(47 - 12) | -0.617143 |
| 65.6 (12/11/2024) | 36 (11/19/2015) | (65.6 - 36)/(48 - 12) | 0.822222 |
| 250 (2/18/2025) | 36 (11/19/2015) | (250 - 36)/(49 - 12) | 5.78378 |
| | | | |
| 17.5 (6/29/2016) | 69.6 (3/15/2016) | (17.5 - 69.6)/(14 - 13) | -52.1 |
| 8.5 (8/9/2016) | 69.6 (3/15/2016) | (8.5 - 69.6)/(15 - 13) | -30.55 |
| 8.6 (12/7/2016) | 69.6 (3/15/2016) | (8.6 - 69.6)/(16 - 13) | -20.3333 |
| 14.6 (3/2/2017) | 69.6 (3/15/2016) | (14.6 - 69.6)/(17 - 13) | -13.75 |
| 35 (7/5/2017) | 69.6 (3/15/2016) | (35 - 69.6)/(18 - 13) | -6.92 |
| 12.4 (8/16/2017) | 69.6 (3/15/2016) | (12.4 - 69.6)/(19 - 13) | -9.53333 |
| 27.2 (10/25/2017) | 69.6 (3/15/2016) | (27.2 - 69.6)/(20 - 13) | -6.05714 |
| 10.9 (3/28/2018) | 69.6 (3/15/2016) | (10.9 - 69.6)/(21 - 13) | -7.3375 |
| 13.8 (6/29/2018) | 69.6 (3/15/2016) | (13.8 - 69.6)/(22 - 13) | -6.2 |
| 17.3 (8/2/2018) | 69.6 (3/15/2016) | (17.3 - 69.6)/(23 - 13) | -5.23 |
| 16.9 (12/10/2018) | 69.6 (3/15/2016) | (16.9 - 69.6)/(24 - 13) | -4.79091 |
| 36 (4/15/2019) | 69.6 (3/15/2016) | (36 - 69.6)/(25 - 13) | -2.8 |
| 12.3 (6/12/2019) | 69.6 (3/15/2016) | (12.3 - 69.6)/(26 - 13) | -4.40769 |
| 8.8 (8/27/2019) | 69.6 (3/15/2016) | (8.8 - 69.6)/(27 - 13) | -4.34286 |
| 10.6 (10/29/2019) | 69.6 (3/15/2016) | (10.6 - 69.6)/(28 - 13) | -3.93333 |
| 15.7 (3/30/2020) | 69.6 (3/15/2016) | (15.7 - 69.6)/(29 - 13) | -3.36875 |
| 11.4 (6/16/2020) | 69.6 (3/15/2016) | (11.4 - 69.6)/(30 - 13) | -3.42353 |
| 8.2 (9/21/2020) | 69.6 (3/15/2016) | (8.2 - 69.6)/(31 - 13) | -3.41111 |
| 14.4 (12/17/2020) | 69.6 (3/15/2016) | (14.4 - 69.6)/(32 - 13) | -2.90526 |
| 51.6 (3/18/2021) | 69.6 (3/15/2016) | (51.6 - 69.6)/(33 - 13) | -0.9 |
| 30.4 (5/5/2021) | 69.6 (3/15/2016) | (30.4 - 69.6)/(34 - 13) | -1.86667 |
| 23.2 (9/2/2021) | 69.6 (3/15/2016) | (23.2 - 69.6)/(35 - 13) | -2.10909 |
| 40.2 (11/23/2021) | 69.6 (3/15/2016) | (40.2 - 69.6)/(36 - 13) | -1.27826 |
| 20.6 (1/11/2022) | 69.6 (3/15/2016) | (20.6 - 69.6)/(37 - 13) | -2.04167 |
| 178 (4/7/2022) | 69.6 (3/15/2016) | (178 - 69.6)/(38 - 13) | 4.336 |
| 11.1 (8/2/2022) | 69.6 (3/15/2016) | (11.1 - 69.6)/(39 - 13) | -2.25 |
| 9.2 (11/16/2022) | 69.6 (3/15/2016) | (9.2 - 69.6)/(40 - 13) | -2.23704 |
| 17.9 (2/14/2023) | 69.6 (3/15/2016) | (17.9 - 69.6)/(41 - 13) | -1.84643 |
| 17.2 (5/25/2023) | 69.6 (3/15/2016) | (17.2 - 69.6)/(42 - 13) | -1.8069 |
| 15 (8/7/2023) | 69.6 (3/15/2016) | (15 - 69.6)/(43 - 13) | -1.82 |
| 38.2 (12/12/2023) | 69.6 (3/15/2016) | (38.2 - 69.6)/(44 - 13) | -1.0129 |
| 50 (1/10/2024) | 69.6 (3/15/2016) | (50 - 69.6)/(45 - 13) | -0.6125 |
| 8.4 (5/21/2024) | 69.6 (3/15/2016) | (8.4 - 69.6)/(46 - 13) | -1.85455 |
| 14.4 (9/16/2024) | 69.6 (3/15/2016) | (14.4 - 69.6)/(47 - 13) | -1.62353 |
| 65.6 (12/11/2024) | 69.6 (3/15/2016) | (65.6 - 69.6)/(48 - 13) | -0.114286 |
| 250 (2/18/2025) | 69.6 (3/15/2016) | (250 - 69.6)/(49 - 13) | 5.01111 |
| | | | |
| 8.5 (8/9/2016) | 17.5 (6/29/2016) | (8.5 - 17.5)/(15 - 14) | -9 |
| 8.6 (12/7/2016) | 17.5 (6/29/2016) | (8.6 - 17.5)/(16 - 14) | -4.45 |

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|---|---|---|---|
| 14.6 (3/2/2017) | 17.5 (6/29/2016) | (14.6 - 17.5)/(17 - 14) | -0.966667 |
| 35 (7/5/2017) | 17.5 (6/29/2016) | (35 - 17.5)/(18 - 14) | 4.375 |
| 12.4 (8/16/2017) | 17.5 (6/29/2016) | (12.4 - 17.5)/(19 - 14) | -1.02 |
| 27.2 (10/25/2017) | 17.5 (6/29/2016) | (27.2 - 17.5)/(20 - 14) | 1.61667 |
| 10.9 (3/28/2018) | 17.5 (6/29/2016) | (10.9 - 17.5)/(21 - 14) | -0.942857 |
| 13.8 (6/29/2018) | 17.5 (6/29/2016) | (13.8 - 17.5)/(22 - 14) | -0.4625 |
| 17.3 (8/2/2018) | 17.5 (6/29/2016) | (17.3 - 17.5)/(23 - 14) | -0.0222222 |
| 16.9 (12/10/2018) | 17.5 (6/29/2016) | (16.9 - 17.5)/(24 - 14) | -0.06 |
| 36 (4/15/2019) | 17.5 (6/29/2016) | (36 - 17.5)/(25 - 14) | 1.68182 |
| 12.3 (6/12/2019) | 17.5 (6/29/2016) | (12.3 - 17.5)/(26 - 14) | -0.433333 |
| 8.8 (8/27/2019) | 17.5 (6/29/2016) | (8.8 - 17.5)/(27 - 14) | -0.669231 |
| 10.6 (10/29/2019) | 17.5 (6/29/2016) | (10.6 - 17.5)/(28 - 14) | -0.492857 |
| 15.7 (3/30/2020) | 17.5 (6/29/2016) | (15.7 - 17.5)/(29 - 14) | -0.12 |
| 11.4 (6/16/2020) | 17.5 (6/29/2016) | (11.4 - 17.5)/(30 - 14) | -0.38125 |
| 8.2 (9/21/2020) | 17.5 (6/29/2016) | (8.2 - 17.5)/(31 - 14) | -0.547059 |
| 14.4 (12/17/2020) | 17.5 (6/29/2016) | (14.4 - 17.5)/(32 - 14) | -0.172222 |
| 51.6 (3/18/2021) | 17.5 (6/29/2016) | (51.6 - 17.5)/(33 - 14) | 1.79474 |
| 30.4 (5/5/2021) | 17.5 (6/29/2016) | (30.4 - 17.5)/(34 - 14) | 0.645 |
| 23.2 (9/2/2021) | 17.5 (6/29/2016) | (23.2 - 17.5)/(35 - 14) | 0.271429 |
| 40.2 (11/23/2021) | 17.5 (6/29/2016) | (40.2 - 17.5)/(36 - 14) | 1.03182 |
| 20.6 (1/11/2022) | 17.5 (6/29/2016) | (20.6 - 17.5)/(37 - 14) | 0.134783 |
| 178 (4/7/2022) | 17.5 (6/29/2016) | (178 - 17.5)/(38 - 14) | 6.6875 |
| 11.1 (8/2/2022) | 17.5 (6/29/2016) | (11.1 - 17.5)/(39 - 14) | -0.256 |
| 9.2 (11/16/2022) | 17.5 (6/29/2016) | (9.2 - 17.5)/(40 - 14) | -0.319231 |
| 17.9 (2/14/2023) | 17.5 (6/29/2016) | (17.9 - 17.5)/(41 - 14) | 0.0148148 |
| 17.2 (5/25/2023) | 17.5 (6/29/2016) | (17.2 - 17.5)/(42 - 14) | -0.0107143 |
| 15 (8/7/2023) | 17.5 (6/29/2016) | (15 - 17.5)/(43 - 14) | -0.0862069 |
| 38.2 (12/12/2023) | 17.5 (6/29/2016) | (38.2 - 17.5)/(44 - 14) | 0.69 |
| 50 (1/10/2024) | 17.5 (6/29/2016) | (50 - 17.5)/(45 - 14) | 1.04839 |
| 8.4 (5/21/2024) | 17.5 (6/29/2016) | (8.4 - 17.5)/(46 - 14) | -0.284375 |
| 14.4 (9/16/2024) | 17.5 (6/29/2016) | (14.4 - 17.5)/(47 - 14) | -0.0939394 |
| 65.6 (12/11/2024) | 17.5 (6/29/2016) | (65.6 - 17.5)/(48 - 14) | 1.41471 |
| 250 (2/18/2025) | 17.5 (6/29/2016) | (250 - 17.5)/(49 - 14) | 6.64286 |
| | | | |
| 8.6 (12/7/2016) | 8.5 (8/9/2016) | (8.6 - 8.5)/(16 - 15) | 0.1 |
| 14.6 (3/2/2017) | 8.5 (8/9/2016) | (14.6 - 8.5)/(17 - 15) | 3.05 |
| 35 (7/5/2017) | 8.5 (8/9/2016) | (35 - 8.5)/(18 - 15) | 8.83333 |
| 12.4 (8/16/2017) | 8.5 (8/9/2016) | (12.4 - 8.5)/(19 - 15) | 0.975 |
| 27.2 (10/25/2017) | 8.5 (8/9/2016) | (27.2 - 8.5)/(20 - 15) | 3.74 |
| 10.9 (3/28/2018) | 8.5 (8/9/2016) | (10.9 - 8.5)/(21 - 15) | 0.4 |
| 13.8 (6/29/2018) | 8.5 (8/9/2016) | (13.8 - 8.5)/(22 - 15) | 0.757143 |
| 17.3 (8/2/2018) | 8.5 (8/9/2016) | (17.3 - 8.5)/(23 - 15) | 1.1 |
| 16.9 (12/10/2018) | 8.5 (8/9/2016) | (16.9 - 8.5)/(24 - 15) | 0.933333 |
| 36 (4/15/2019) | 8.5 (8/9/2016) | (36 - 8.5)/(25 - 15) | 2.75 |
| 12.3 (6/12/2019) | 8.5 (8/9/2016) | (12.3 - 8.5)/(26 - 15) | 0.345455 |
| 8.8 (8/27/2019) | 8.5 (8/9/2016) | (8.8 - 8.5)/(27 - 15) | 0.025 |
| 10.6 (10/29/2019) | 8.5 (8/9/2016) | (10.6 - 8.5)/(28 - 15) | 0.161538 |
| 15.7 (3/30/2020) | 8.5 (8/9/2016) | (15.7 - 8.5)/(29 - 15) | 0.514286 |
| 11.4 (6/16/2020) | 8.5 (8/9/2016) | (11.4 - 8.5)/(30 - 15) | 0.193333 |
| 8.2 (9/21/2020) | 8.5 (8/9/2016) | (8.2 - 8.5)/(31 - 15) | -0.01875 |
| 14.4 (12/17/2020) | 8.5 (8/9/2016) | (14.4 - 8.5)/(32 - 15) | 0.347059 |
| 51.6 (3/18/2021) | 8.5 (8/9/2016) | (51.6 - 8.5)/(33 - 15) | 2.39444 |
| 30.4 (5/5/2021) | 8.5 (8/9/2016) | (30.4 - 8.5)/(34 - 15) | 1.15263 |
| 23.2 (9/2/2021) | 8.5 (8/9/2016) | (23.2 - 8.5)/(35 - 15) | 0.735 |
| 40.2 (11/23/2021) | 8.5 (8/9/2016) | (40.2 - 8.5)/(36 - 15) | 1.50952 |
| 20.6 (1/11/2022) | 8.5 (8/9/2016) | (20.6 - 8.5)/(37 - 15) | 0.55 |
| 178 (4/7/2022) | 8.5 (8/9/2016) | (178 - 8.5)/(38 - 15) | 7.36957 |

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|---|---|---|---|
| 11.1 (8/2/2022) | 8.5 (8/9/2016) | (11.1 - 8.5)/(39 - 15) | 0.108333 |
| 9.2 (11/16/2022) | 8.5 (8/9/2016) | (9.2 - 8.5)/(40 - 15) | 0.028 |
| 17.9 (2/14/2023) | 8.5 (8/9/2016) | (17.9 - 8.5)/(41 - 15) | 0.361538 |
| 17.2 (5/25/2023) | 8.5 (8/9/2016) | (17.2 - 8.5)/(42 - 15) | 0.322222 |
| 15 (8/7/2023) | 8.5 (8/9/2016) | (15 - 8.5)/(43 - 15) | 0.232143 |
| 38.2 (12/12/2023) | 8.5 (8/9/2016) | (38.2 - 8.5)/(44 - 15) | 1.02414 |
| 50 (1/10/2024) | 8.5 (8/9/2016) | (50 - 8.5)/(45 - 15) | 1.38333 |
| 8.4 (5/21/2024) | 8.5 (8/9/2016) | (8.4 - 8.5)/(46 - 15) | -0.00322581 |
| 14.4 (9/16/2024) | 8.5 (8/9/2016) | (14.4 - 8.5)/(47 - 15) | 0.184375 |
| 65.6 (12/11/2024) | 8.5 (8/9/2016) | (65.6 - 8.5)/(48 - 15) | 1.7303 |
| 250 (2/18/2025) | 8.5 (8/9/2016) | (250 - 8.5)/(49 - 15) | 7.10294 |
| | | | |
| 14.6 (3/2/2017) | 8.6 (12/7/2016) | (14.6 - 8.6)/(17 - 16) | 6 |
| 35 (7/5/2017) | 8.6 (12/7/2016) | (35 - 8.6)/(18 - 16) | 13.2 |
| 12.4 (8/16/2017) | 8.6 (12/7/2016) | (12.4 - 8.6)/(19 - 16) | 1.26667 |
| 27.2 (10/25/2017) | 8.6 (12/7/2016) | (27.2 - 8.6)/(20 - 16) | 4.65 |
| 10.9 (3/28/2018) | 8.6 (12/7/2016) | (10.9 - 8.6)/(21 - 16) | 0.46 |
| 13.8 (6/29/2018) | 8.6 (12/7/2016) | (13.8 - 8.6)/(22 - 16) | 0.866667 |
| 17.3 (8/2/2018) | 8.6 (12/7/2016) | (17.3 - 8.6)/(23 - 16) | 1.24286 |
| 16.9 (12/10/2018) | 8.6 (12/7/2016) | (16.9 - 8.6)/(24 - 16) | 1.0375 |
| 36 (4/15/2019) | 8.6 (12/7/2016) | (36 - 8.6)/(25 - 16) | 3.04444 |
| 12.3 (6/12/2019) | 8.6 (12/7/2016) | (12.3 - 8.6)/(26 - 16) | 0.37 |
| 8.8 (8/27/2019) | 8.6 (12/7/2016) | (8.8 - 8.6)/(27 - 16) | 0.0181818 |
| 10.6 (10/29/2019) | 8.6 (12/7/2016) | (10.6 - 8.6)/(28 - 16) | 0.166667 |
| 15.7 (3/30/2020) | 8.6 (12/7/2016) | (15.7 - 8.6)/(29 - 16) | 0.546154 |
| 11.4 (6/16/2020) | 8.6 (12/7/2016) | (11.4 - 8.6)/(30 - 16) | 0.2 |
| 8.2 (9/21/2020) | 8.6 (12/7/2016) | (8.2 - 8.6)/(31 - 16) | -0.0266667 |
| 14.4 (12/17/2020) | 8.6 (12/7/2016) | (14.4 - 8.6)/(32 - 16) | 0.3625 |
| 51.6 (3/18/2021) | 8.6 (12/7/2016) | (51.6 - 8.6)/(33 - 16) | 2.52941 |
| 30.4 (5/5/2021) | 8.6 (12/7/2016) | (30.4 - 8.6)/(34 - 16) | 1.21111 |
| 23.2 (9/2/2021) | 8.6 (12/7/2016) | (23.2 - 8.6)/(35 - 16) | 0.768421 |
| 40.2 (11/23/2021) | 8.6 (12/7/2016) | (40.2 - 8.6)/(36 - 16) | 1.58 |
| 20.6 (1/11/2022) | 8.6 (12/7/2016) | (20.6 - 8.6)/(37 - 16) | 0.571429 |
| 178 (4/7/2022) | 8.6 (12/7/2016) | (178 - 8.6)/(38 - 16) | 7.7 |
| 11.1 (8/2/2022) | 8.6 (12/7/2016) | (11.1 - 8.6)/(39 - 16) | 0.108696 |
| 9.2 (11/16/2022) | 8.6 (12/7/2016) | (9.2 - 8.6)/(40 - 16) | 0.025 |
| 17.9 (2/14/2023) | 8.6 (12/7/2016) | (17.9 - 8.6)/(41 - 16) | 0.372 |
| 17.2 (5/25/2023) | 8.6 (12/7/2016) | (17.2 - 8.6)/(42 - 16) | 0.330769 |
| 15 (8/7/2023) | 8.6 (12/7/2016) | (15 - 8.6)/(43 - 16) | 0.237037 |
| 38.2 (12/12/2023) | 8.6 (12/7/2016) | (38.2 - 8.6)/(44 - 16) | 1.05714 |
| 50 (1/10/2024) | 8.6 (12/7/2016) | (50 - 8.6)/(45 - 16) | 1.42759 |
| 8.4 (5/21/2024) | 8.6 (12/7/2016) | (8.4 - 8.6)/(46 - 16) | -0.00666667 |
| 14.4 (9/16/2024) | 8.6 (12/7/2016) | (14.4 - 8.6)/(47 - 16) | 0.187097 |
| 65.6 (12/11/2024) | 8.6 (12/7/2016) | (65.6 - 8.6)/(48 - 16) | 1.78125 |
| 250 (2/18/2025) | 8.6 (12/7/2016) | (250 - 8.6)/(49 - 16) | 7.31515 |
| | | | |
| 35 (7/5/2017) | 14.6 (3/2/2017) | (35 - 14.6)/(18 - 17) | 20.4 |
| 12.4 (8/16/2017) | 14.6 (3/2/2017) | (12.4 - 14.6)/(19 - 17) | -1.1 |
| 27.2 (10/25/2017) | 14.6 (3/2/2017) | (27.2 - 14.6)/(20 - 17) | 4.2 |
| 10.9 (3/28/2018) | 14.6 (3/2/2017) | (10.9 - 14.6)/(21 - 17) | -0.925 |
| 13.8 (6/29/2018) | 14.6 (3/2/2017) | (13.8 - 14.6)/(22 - 17) | -0.16 |
| 17.3 (8/2/2018) | 14.6 (3/2/2017) | (17.3 - 14.6)/(23 - 17) | 0.45 |
| 16.9 (12/10/2018) | 14.6 (3/2/2017) | (16.9 - 14.6)/(24 - 17) | 0.328571 |
| 36 (4/15/2019) | 14.6 (3/2/2017) | (36 - 14.6)/(25 - 17) | 2.675 |
| 12.3 (6/12/2019) | 14.6 (3/2/2017) | (12.3 - 14.6)/(26 - 17) | -0.255556 |
| 8.8 (8/27/2019) | 14.6 (3/2/2017) | (8.8 - 14.6)/(27 - 17) | -0.58 |
| 10.6 (10/29/2019) | 14.6 (3/2/2017) | (10.6 - 14.6)/(28 - 17) | -0.363636 |

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| 15.7 (3/30/2020) | 14.6 (3/2/2017) | (15.7 - 14.6)/(29 - 17) | 0.0916667 |
| 11.4 (6/16/2020) | 14.6 (3/2/2017) | (11.4 - 14.6)/(30 - 17) | -0.246154 |
| 8.2 (9/21/2020) | 14.6 (3/2/2017) | (8.2 - 14.6)/(31 - 17) | -0.457143 |
| 14.4 (12/17/2020) | 14.6 (3/2/2017) | (14.4 - 14.6)/(32 - 17) | -0.0133333 |
| 51.6 (3/18/2021) | 14.6 (3/2/2017) | (51.6 - 14.6)/(33 - 17) | 2.3125 |
| 30.4 (5/5/2021) | 14.6 (3/2/2017) | (30.4 - 14.6)/(34 - 17) | 0.929412 |
| 23.2 (9/2/2021) | 14.6 (3/2/2017) | (23.2 - 14.6)/(35 - 17) | 0.477778 |
| 40.2 (11/23/2021) | 14.6 (3/2/2017) | (40.2 - 14.6)/(36 - 17) | 1.34737 |
| 20.6 (1/11/2022) | 14.6 (3/2/2017) | (20.6 - 14.6)/(37 - 17) | 0.3 |
| 178 (4/7/2022) | 14.6 (3/2/2017) | (178 - 14.6)/(38 - 17) | 7.78095 |
| 11.1 (8/2/2022) | 14.6 (3/2/2017) | (11.1 - 14.6)/(39 - 17) | -0.159091 |
| 9.2 (11/16/2022) | 14.6 (3/2/2017) | (9.2 - 14.6)/(40 - 17) | -0.234783 |
| 17.9 (2/14/2023) | 14.6 (3/2/2017) | (17.9 - 14.6)/(41 - 17) | 0.1375 |
| 17.2 (5/25/2023) | 14.6 (3/2/2017) | (17.2 - 14.6)/(42 - 17) | 0.104 |
| 15 (8/7/2023) | 14.6 (3/2/2017) | (15 - 14.6)/(43 - 17) | 0.0153846 |
| 38.2 (12/12/2023) | 14.6 (3/2/2017) | (38.2 - 14.6)/(44 - 17) | 0.874074 |
| 50 (1/10/2024) | 14.6 (3/2/2017) | (50 - 14.6)/(45 - 17) | 1.26429 |
| 8.4 (5/21/2024) | 14.6 (3/2/2017) | (8.4 - 14.6)/(46 - 17) | -0.213793 |
| 14.4 (9/16/2024) | 14.6 (3/2/2017) | (14.4 - 14.6)/(47 - 17) | -0.00666667 |
| 65.6 (12/11/2024) | 14.6 (3/2/2017) | (65.6 - 14.6)/(48 - 17) | 1.64516 |
| 250 (2/18/2025) | 14.6 (3/2/2017) | (250 - 14.6)/(49 - 17) | 7.35625 |
| | | | |
| 12.4 (8/16/2017) | 35 (7/5/2017) | (12.4 - 35)/(19 - 18) | -22.6 |
| 27.2 (10/25/2017) | 35 (7/5/2017) | (27.2 - 35)/(20 - 18) | -3.9 |
| 10.9 (3/28/2018) | 35 (7/5/2017) | (10.9 - 35)/(21 - 18) | -8.03333 |
| 13.8 (6/29/2018) | 35 (7/5/2017) | (13.8 - 35)/(22 - 18) | -5.3 |
| 17.3 (8/2/2018) | 35 (7/5/2017) | (17.3 - 35)/(23 - 18) | -3.54 |
| 16.9 (12/10/2018) | 35 (7/5/2017) | (16.9 - 35)/(24 - 18) | -3.01667 |
| 36 (4/15/2019) | 35 (7/5/2017) | (36 - 35)/(25 - 18) | 0.142857 |
| 12.3 (6/12/2019) | 35 (7/5/2017) | (12.3 - 35)/(26 - 18) | -2.8375 |
| 8.8 (8/27/2019) | 35 (7/5/2017) | (8.8 - 35)/(27 - 18) | -2.91111 |
| 10.6 (10/29/2019) | 35 (7/5/2017) | (10.6 - 35)/(28 - 18) | -2.44 |
| 15.7 (3/30/2020) | 35 (7/5/2017) | (15.7 - 35)/(29 - 18) | -1.75455 |
| 11.4 (6/16/2020) | 35 (7/5/2017) | (11.4 - 35)/(30 - 18) | -1.96667 |
| 8.2 (9/21/2020) | 35 (7/5/2017) | (8.2 - 35)/(31 - 18) | -2.06154 |
| 14.4 (12/17/2020) | 35 (7/5/2017) | (14.4 - 35)/(32 - 18) | -1.47143 |
| 51.6 (3/18/2021) | 35 (7/5/2017) | (51.6 - 35)/(33 - 18) | 1.10667 |
| 30.4 (5/5/2021) | 35 (7/5/2017) | (30.4 - 35)/(34 - 18) | -0.2875 |
| 23.2 (9/2/2021) | 35 (7/5/2017) | (23.2 - 35)/(35 - 18) | -0.694118 |
| 40.2 (11/23/2021) | 35 (7/5/2017) | (40.2 - 35)/(36 - 18) | 0.288889 |
| 20.6 (1/11/2022) | 35 (7/5/2017) | (20.6 - 35)/(37 - 18) | -0.757895 |
| 178 (4/7/2022) | 35 (7/5/2017) | (178 - 35)/(38 - 18) | 7.15 |
| 11.1 (8/2/2022) | 35 (7/5/2017) | (11.1 - 35)/(39 - 18) | -1.1381 |
| 9.2 (11/16/2022) | 35 (7/5/2017) | (9.2 - 35)/(40 - 18) | -1.17273 |
| 17.9 (2/14/2023) | 35 (7/5/2017) | (17.9 - 35)/(41 - 18) | -0.743478 |
| 17.2 (5/25/2023) | 35 (7/5/2017) | (17.2 - 35)/(42 - 18) | -0.741667 |
| 15 (8/7/2023) | 35 (7/5/2017) | (15 - 35)/(43 - 18) | -0.8 |
| 38.2 (12/12/2023) | 35 (7/5/2017) | (38.2 - 35)/(44 - 18) | 0.123077 |
| 50 (1/10/2024) | 35 (7/5/2017) | (50 - 35)/(45 - 18) | 0.555556 |
| 8.4 (5/21/2024) | 35 (7/5/2017) | (8.4 - 35)/(46 - 18) | -0.95 |
| 14.4 (9/16/2024) | 35 (7/5/2017) | (14.4 - 35)/(47 - 18) | -0.710345 |
| 65.6 (12/11/2024) | 35 (7/5/2017) | (65.6 - 35)/(48 - 18) | 1.02 |
| 250 (2/18/2025) | 35 (7/5/2017) | (250 - 35)/(49 - 18) | 6.93548 |
| | | | |
| 27.2 (10/25/2017) | 12.4 (8/16/2017) | (27.2 - 12.4)/(20 - 19) | 14.8 |
| 10.9 (3/28/2018) | 12.4 (8/16/2017) | (10.9 - 12.4)/(21 - 19) | -0.75 |
| 13.8 (6/29/2018) | 12.4 (8/16/2017) | (13.8 - 12.4)/(22 - 19) | 0.466667 |

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|---|---|---|---|
| 17.3 (8/2/2018) | 12.4 (8/16/2017) | (17.3 - 12.4)/(23 - 19) | 1.225 |
| 16.9 (12/10/2018) | 12.4 (8/16/2017) | (16.9 - 12.4)/(24 - 19) | 0.9 |
| 36 (4/15/2019) | 12.4 (8/16/2017) | (36 - 12.4)/(25 - 19) | 3.93333 |
| 12.3 (6/12/2019) | 12.4 (8/16/2017) | (12.3 - 12.4)/(26 - 19) | -0.0142857 |
| 8.8 (8/27/2019) | 12.4 (8/16/2017) | (8.8 - 12.4)/(27 - 19) | -0.45 |
| 10.6 (10/29/2019) | 12.4 (8/16/2017) | (10.6 - 12.4)/(28 - 19) | -0.2 |
| 15.7 (3/30/2020) | 12.4 (8/16/2017) | (15.7 - 12.4)/(29 - 19) | 0.33 |
| 11.4 (6/16/2020) | 12.4 (8/16/2017) | (11.4 - 12.4)/(30 - 19) | -0.0909091 |
| 8.2 (9/21/2020) | 12.4 (8/16/2017) | (8.2 - 12.4)/(31 - 19) | -0.35 |
| 14.4 (12/17/2020) | 12.4 (8/16/2017) | (14.4 - 12.4)/(32 - 19) | 0.153846 |
| 51.6 (3/18/2021) | 12.4 (8/16/2017) | (51.6 - 12.4)/(33 - 19) | 2.8 |
| 30.4 (5/5/2021) | 12.4 (8/16/2017) | (30.4 - 12.4)/(34 - 19) | 1.2 |
| 23.2 (9/2/2021) | 12.4 (8/16/2017) | (23.2 - 12.4)/(35 - 19) | 0.675 |
| 40.2 (11/23/2021) | 12.4 (8/16/2017) | (40.2 - 12.4)/(36 - 19) | 1.63529 |
| 20.6 (1/11/2022) | 12.4 (8/16/2017) | (20.6 - 12.4)/(37 - 19) | 0.455556 |
| 178 (4/7/2022) | 12.4 (8/16/2017) | (178 - 12.4)/(38 - 19) | 8.71579 |
| 11.1 (8/2/2022) | 12.4 (8/16/2017) | (11.1 - 12.4)/(39 - 19) | -0.065 |
| 9.2 (11/16/2022) | 12.4 (8/16/2017) | (9.2 - 12.4)/(40 - 19) | -0.152381 |
| 17.9 (2/14/2023) | 12.4 (8/16/2017) | (17.9 - 12.4)/(41 - 19) | 0.25 |
| 17.2 (5/25/2023) | 12.4 (8/16/2017) | (17.2 - 12.4)/(42 - 19) | 0.208696 |
| 15 (8/7/2023) | 12.4 (8/16/2017) | (15 - 12.4)/(43 - 19) | 0.108333 |
| 38.2 (12/12/2023) | 12.4 (8/16/2017) | (38.2 - 12.4)/(44 - 19) | 1.032 |
| 50 (1/10/2024) | 12.4 (8/16/2017) | (50 - 12.4)/(45 - 19) | 1.44615 |
| 8.4 (5/21/2024) | 12.4 (8/16/2017) | (8.4 - 12.4)/(46 - 19) | -0.148148 |
| 14.4 (9/16/2024) | 12.4 (8/16/2017) | (14.4 - 12.4)/(47 - 19) | 0.0714286 |
| 65.6 (12/11/2024) | 12.4 (8/16/2017) | (65.6 - 12.4)/(48 - 19) | 1.83448 |
| 250 (2/18/2025) | 12.4 (8/16/2017) | (250 - 12.4)/(49 - 19) | 7.92 |
| | | | |
| 10.9 (3/28/2018) | 27.2 (10/25/2017) | (10.9 - 27.2)/(21 - 20) | -16.3 |
| 13.8 (6/29/2018) | 27.2 (10/25/2017) | (13.8 - 27.2)/(22 - 20) | -6.7 |
| 17.3 (8/2/2018) | 27.2 (10/25/2017) | (17.3 - 27.2)/(23 - 20) | -3.3 |
| 16.9 (12/10/2018) | 27.2 (10/25/2017) | (16.9 - 27.2)/(24 - 20) | -2.575 |
| 36 (4/15/2019) | 27.2 (10/25/2017) | (36 - 27.2)/(25 - 20) | 1.76 |
| 12.3 (6/12/2019) | 27.2 (10/25/2017) | (12.3 - 27.2)/(26 - 20) | -2.48333 |
| 8.8 (8/27/2019) | 27.2 (10/25/2017) | (8.8 - 27.2)/(27 - 20) | -2.62857 |
| 10.6 (10/29/2019) | 27.2 (10/25/2017) | (10.6 - 27.2)/(28 - 20) | -2.075 |
| 15.7 (3/30/2020) | 27.2 (10/25/2017) | (15.7 - 27.2)/(29 - 20) | -1.27778 |
| 11.4 (6/16/2020) | 27.2 (10/25/2017) | (11.4 - 27.2)/(30 - 20) | -1.58 |
| 8.2 (9/21/2020) | 27.2 (10/25/2017) | (8.2 - 27.2)/(31 - 20) | -1.72727 |
| 14.4 (12/17/2020) | 27.2 (10/25/2017) | (14.4 - 27.2)/(32 - 20) | -1.06667 |
| 51.6 (3/18/2021) | 27.2 (10/25/2017) | (51.6 - 27.2)/(33 - 20) | 1.87692 |
| 30.4 (5/5/2021) | 27.2 (10/25/2017) | (30.4 - 27.2)/(34 - 20) | 0.228571 |
| 23.2 (9/2/2021) | 27.2 (10/25/2017) | (23.2 - 27.2)/(35 - 20) | -0.266667 |
| 40.2 (11/23/2021) | 27.2 (10/25/2017) | (40.2 - 27.2)/(36 - 20) | 0.8125 |
| 20.6 (1/11/2022) | 27.2 (10/25/2017) | (20.6 - 27.2)/(37 - 20) | -0.388235 |
| 178 (4/7/2022) | 27.2 (10/25/2017) | (178 - 27.2)/(38 - 20) | 8.37778 |
| 11.1 (8/2/2022) | 27.2 (10/25/2017) | (11.1 - 27.2)/(39 - 20) | -0.847368 |
| 9.2 (11/16/2022) | 27.2 (10/25/2017) | (9.2 - 27.2)/(40 - 20) | -0.9 |
| 17.9 (2/14/2023) | 27.2 (10/25/2017) | (17.9 - 27.2)/(41 - 20) | -0.442857 |
| 17.2 (5/25/2023) | 27.2 (10/25/2017) | (17.2 - 27.2)/(42 - 20) | -0.454545 |
| 15 (8/7/2023) | 27.2 (10/25/2017) | (15 - 27.2)/(43 - 20) | -0.530435 |
| 38.2 (12/12/2023) | 27.2 (10/25/2017) | (38.2 - 27.2)/(44 - 20) | 0.458333 |
| 50 (1/10/2024) | 27.2 (10/25/2017) | (50 - 27.2)/(45 - 20) | 0.912 |
| 8.4 (5/21/2024) | 27.2 (10/25/2017) | (8.4 - 27.2)/(46 - 20) | -0.723077 |
| 14.4 (9/16/2024) | 27.2 (10/25/2017) | (14.4 - 27.2)/(47 - 20) | -0.474074 |
| 65.6 (12/11/2024) | 27.2 (10/25/2017) | (65.6 - 27.2)/(48 - 20) | 1.37143 |
| 250 (2/18/2025) | 27.2 (10/25/2017) | (250 - 27.2)/(49 - 20) | 7.68276 |

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|---|---|---|---|
| 13.8 (6/29/2018) | 10.9 (3/28/2018) | (13.8 - 10.9)/(22 - 21) | 2.9 |
| 17.3 (8/2/2018) | 10.9 (3/28/2018) | (17.3 - 10.9)/(23 - 21) | 3.2 |
| 16.9 (12/10/2018) | 10.9 (3/28/2018) | (16.9 - 10.9)/(24 - 21) | 2 |
| 36 (4/15/2019) | 10.9 (3/28/2018) | (36 - 10.9)/(25 - 21) | 6.275 |
| 12.3 (6/12/2019) | 10.9 (3/28/2018) | (12.3 - 10.9)/(26 - 21) | 0.28 |
| 8.8 (8/27/2019) | 10.9 (3/28/2018) | (8.8 - 10.9)/(27 - 21) | -0.35 |
| 10.6 (10/29/2019) | 10.9 (3/28/2018) | (10.6 - 10.9)/(28 - 21) | -0.0428571 |
| 15.7 (3/30/2020) | 10.9 (3/28/2018) | (15.7 - 10.9)/(29 - 21) | 0.6 |
| 11.4 (6/16/2020) | 10.9 (3/28/2018) | (11.4 - 10.9)/(30 - 21) | 0.0555556 |
| 8.2 (9/21/2020) | 10.9 (3/28/2018) | (8.2 - 10.9)/(31 - 21) | -0.27 |
| 14.4 (12/17/2020) | 10.9 (3/28/2018) | (14.4 - 10.9)/(32 - 21) | 0.318182 |
| 51.6 (3/18/2021) | 10.9 (3/28/2018) | (51.6 - 10.9)/(33 - 21) | 3.39167 |
| 30.4 (5/5/2021) | 10.9 (3/28/2018) | (30.4 - 10.9)/(34 - 21) | 1.5 |
| 23.2 (9/2/2021) | 10.9 (3/28/2018) | (23.2 - 10.9)/(35 - 21) | 0.878571 |
| 40.2 (11/23/2021) | 10.9 (3/28/2018) | (40.2 - 10.9)/(36 - 21) | 1.95333 |
| 20.6 (1/11/2022) | 10.9 (3/28/2018) | (20.6 - 10.9)/(37 - 21) | 0.60625 |
| 178 (4/7/2022) | 10.9 (3/28/2018) | (178 - 10.9)/(38 - 21) | 9.82941 |
| 11.1 (8/2/2022) | 10.9 (3/28/2018) | (11.1 - 10.9)/(39 - 21) | 0.0111111 |
| 9.2 (11/16/2022) | 10.9 (3/28/2018) | (9.2 - 10.9)/(40 - 21) | -0.0894737 |
| 17.9 (2/14/2023) | 10.9 (3/28/2018) | (17.9 - 10.9)/(41 - 21) | 0.35 |
| 17.2 (5/25/2023) | 10.9 (3/28/2018) | (17.2 - 10.9)/(42 - 21) | 0.3 |
| 15 (8/7/2023) | 10.9 (3/28/2018) | (15 - 10.9)/(43 - 21) | 0.186364 |
| 38.2 (12/12/2023) | 10.9 (3/28/2018) | (38.2 - 10.9)/(44 - 21) | 1.18696 |
| 50 (1/10/2024) | 10.9 (3/28/2018) | (50 - 10.9)/(45 - 21) | 1.62917 |
| 8.4 (5/21/2024) | 10.9 (3/28/2018) | (8.4 - 10.9)/(46 - 21) | -0.1 |
| 14.4 (9/16/2024) | 10.9 (3/28/2018) | (14.4 - 10.9)/(47 - 21) | 0.134615 |
| 65.6 (12/11/2024) | 10.9 (3/28/2018) | (65.6 - 10.9)/(48 - 21) | 2.02593 |
| 250 (2/18/2025) | 10.9 (3/28/2018) | (250 - 10.9)/(49 - 21) | 8.53929 |
| | | | |
| 17.3 (8/2/2018) | 13.8 (6/29/2018) | (17.3 - 13.8)/(23 - 22) | 3.5 |
| 16.9 (12/10/2018) | 13.8 (6/29/2018) | (16.9 - 13.8)/(24 - 22) | 1.55 |
| 36 (4/15/2019) | 13.8 (6/29/2018) | (36 - 13.8)/(25 - 22) | 7.4 |
| 12.3 (6/12/2019) | 13.8 (6/29/2018) | (12.3 - 13.8)/(26 - 22) | -0.375 |
| 8.8 (8/27/2019) | 13.8 (6/29/2018) | (8.8 - 13.8)/(27 - 22) | -1 |
| 10.6 (10/29/2019) | 13.8 (6/29/2018) | (10.6 - 13.8)/(28 - 22) | -0.533333 |
| 15.7 (3/30/2020) | 13.8 (6/29/2018) | (15.7 - 13.8)/(29 - 22) | 0.271429 |
| 11.4 (6/16/2020) | 13.8 (6/29/2018) | (11.4 - 13.8)/(30 - 22) | -0.3 |
| 8.2 (9/21/2020) | 13.8 (6/29/2018) | (8.2 - 13.8)/(31 - 22) | -0.622222 |
| 14.4 (12/17/2020) | 13.8 (6/29/2018) | (14.4 - 13.8)/(32 - 22) | 0.06 |
| 51.6 (3/18/2021) | 13.8 (6/29/2018) | (51.6 - 13.8)/(33 - 22) | 3.43636 |
| 30.4 (5/5/2021) | 13.8 (6/29/2018) | (30.4 - 13.8)/(34 - 22) | 1.38333 |
| 23.2 (9/2/2021) | 13.8 (6/29/2018) | (23.2 - 13.8)/(35 - 22) | 0.723077 |
| 40.2 (11/23/2021) | 13.8 (6/29/2018) | (40.2 - 13.8)/(36 - 22) | 1.88571 |
| 20.6 (1/11/2022) | 13.8 (6/29/2018) | (20.6 - 13.8)/(37 - 22) | 0.453333 |
| 178 (4/7/2022) | 13.8 (6/29/2018) | (178 - 13.8)/(38 - 22) | 10.2625 |
| 11.1 (8/2/2022) | 13.8 (6/29/2018) | (11.1 - 13.8)/(39 - 22) | -0.158824 |
| 9.2 (11/16/2022) | 13.8 (6/29/2018) | (9.2 - 13.8)/(40 - 22) | -0.255556 |
| 17.9 (2/14/2023) | 13.8 (6/29/2018) | (17.9 - 13.8)/(41 - 22) | 0.215789 |
| 17.2 (5/25/2023) | 13.8 (6/29/2018) | (17.2 - 13.8)/(42 - 22) | 0.17 |
| 15 (8/7/2023) | 13.8 (6/29/2018) | (15 - 13.8)/(43 - 22) | 0.0571429 |
| 38.2 (12/12/2023) | 13.8 (6/29/2018) | (38.2 - 13.8)/(44 - 22) | 1.10909 |
| 50 (1/10/2024) | 13.8 (6/29/2018) | (50 - 13.8)/(45 - 22) | 1.57391 |
| 8.4 (5/21/2024) | 13.8 (6/29/2018) | (8.4 - 13.8)/(46 - 22) | -0.225 |
| 14.4 (9/16/2024) | 13.8 (6/29/2018) | (14.4 - 13.8)/(47 - 22) | 0.024 |
| 65.6 (12/11/2024) | 13.8 (6/29/2018) | (65.6 - 13.8)/(48 - 22) | 1.99231 |
| 250 (2/18/2025) | 13.8 (6/29/2018) | (250 - 13.8)/(49 - 22) | 8.74815 |

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|---|---|---|---|
| 16.9 (12/10/2018) | 17.3 (8/2/2018) | (16.9 - 17.3)/(24 - 23) | -0.4 |
| 36 (4/15/2019) | 17.3 (8/2/2018) | (36 - 17.3)/(25 - 23) | 9.35 |
| 12.3 (6/12/2019) | 17.3 (8/2/2018) | (12.3 - 17.3)/(26 - 23) | -1.66667 |
| 8.8 (8/27/2019) | 17.3 (8/2/2018) | (8.8 - 17.3)/(27 - 23) | -2.125 |
| 10.6 (10/29/2019) | 17.3 (8/2/2018) | (10.6 - 17.3)/(28 - 23) | -1.34 |
| 15.7 (3/30/2020) | 17.3 (8/2/2018) | (15.7 - 17.3)/(29 - 23) | -0.266667 |
| 11.4 (6/16/2020) | 17.3 (8/2/2018) | (11.4 - 17.3)/(30 - 23) | -0.842857 |
| 8.2 (9/21/2020) | 17.3 (8/2/2018) | (8.2 - 17.3)/(31 - 23) | -1.1375 |
| 14.4 (12/17/2020) | 17.3 (8/2/2018) | (14.4 - 17.3)/(32 - 23) | -0.322222 |
| 51.6 (3/18/2021) | 17.3 (8/2/2018) | (51.6 - 17.3)/(33 - 23) | 3.43 |
| 30.4 (5/5/2021) | 17.3 (8/2/2018) | (30.4 - 17.3)/(34 - 23) | 1.19091 |
| 23.2 (9/2/2021) | 17.3 (8/2/2018) | (23.2 - 17.3)/(35 - 23) | 0.491667 |
| 40.2 (11/23/2021) | 17.3 (8/2/2018) | (40.2 - 17.3)/(36 - 23) | 1.76154 |
| 20.6 (1/11/2022) | 17.3 (8/2/2018) | (20.6 - 17.3)/(37 - 23) | 0.235714 |
| 178 (4/7/2022) | 17.3 (8/2/2018) | (178 - 17.3)/(38 - 23) | 10.7133 |
| 11.1 (8/2/2022) | 17.3 (8/2/2018) | (11.1 - 17.3)/(39 - 23) | -0.3875 |
| 9.2 (11/16/2022) | 17.3 (8/2/2018) | (9.2 - 17.3)/(40 - 23) | -0.476471 |
| 17.9 (2/14/2023) | 17.3 (8/2/2018) | (17.9 - 17.3)/(41 - 23) | 0.0333333 |
| 17.2 (5/25/2023) | 17.3 (8/2/2018) | (17.2 - 17.3)/(42 - 23) | -0.00526316 |
| 15 (8/7/2023) | 17.3 (8/2/2018) | (15 - 17.3)/(43 - 23) | -0.115 |
| 38.2 (12/12/2023) | 17.3 (8/2/2018) | (38.2 - 17.3)/(44 - 23) | 0.995238 |
| 50 (1/10/2024) | 17.3 (8/2/2018) | (50 - 17.3)/(45 - 23) | 1.48636 |
| 8.4 (5/21/2024) | 17.3 (8/2/2018) | (8.4 - 17.3)/(46 - 23) | -0.386957 |
| 14.4 (9/16/2024) | 17.3 (8/2/2018) | (14.4 - 17.3)/(47 - 23) | -0.120833 |
| 65.6 (12/11/2024) | 17.3 (8/2/2018) | (65.6 - 17.3)/(48 - 23) | 1.932 |
| 250 (2/18/2025) | 17.3 (8/2/2018) | (250 - 17.3)/(49 - 23) | 8.95 |
| | | | |
| 36 (4/15/2019) | 16.9 (12/10/2018) | (36 - 16.9)/(25 - 24) | 19.1 |
| 12.3 (6/12/2019) | 16.9 (12/10/2018) | (12.3 - 16.9)/(26 - 24) | -2.3 |
| 8.8 (8/27/2019) | 16.9 (12/10/2018) | (8.8 - 16.9)/(27 - 24) | -2.7 |
| 10.6 (10/29/2019) | 16.9 (12/10/2018) | (10.6 - 16.9)/(28 - 24) | -1.575 |
| 15.7 (3/30/2020) | 16.9 (12/10/2018) | (15.7 - 16.9)/(29 - 24) | -0.24 |
| 11.4 (6/16/2020) | 16.9 (12/10/2018) | (11.4 - 16.9)/(30 - 24) | -0.916667 |
| 8.2 (9/21/2020) | 16.9 (12/10/2018) | (8.2 - 16.9)/(31 - 24) | -1.24286 |
| 14.4 (12/17/2020) | 16.9 (12/10/2018) | (14.4 - 16.9)/(32 - 24) | -0.3125 |
| 51.6 (3/18/2021) | 16.9 (12/10/2018) | (51.6 - 16.9)/(33 - 24) | 3.85556 |
| 30.4 (5/5/2021) | 16.9 (12/10/2018) | (30.4 - 16.9)/(34 - 24) | 1.35 |
| 23.2 (9/2/2021) | 16.9 (12/10/2018) | (23.2 - 16.9)/(35 - 24) | 0.572727 |
| 40.2 (11/23/2021) | 16.9 (12/10/2018) | (40.2 - 16.9)/(36 - 24) | 1.94167 |
| 20.6 (1/11/2022) | 16.9 (12/10/2018) | (20.6 - 16.9)/(37 - 24) | 0.284615 |
| 178 (4/7/2022) | 16.9 (12/10/2018) | (178 - 16.9)/(38 - 24) | 11.5071 |
| 11.1 (8/2/2022) | 16.9 (12/10/2018) | (11.1 - 16.9)/(39 - 24) | -0.386667 |
| 9.2 (11/16/2022) | 16.9 (12/10/2018) | (9.2 - 16.9)/(40 - 24) | -0.48125 |
| 17.9 (2/14/2023) | 16.9 (12/10/2018) | (17.9 - 16.9)/(41 - 24) | 0.0588235 |
| 17.2 (5/25/2023) | 16.9 (12/10/2018) | (17.2 - 16.9)/(42 - 24) | 0.0166667 |
| 15 (8/7/2023) | 16.9 (12/10/2018) | (15 - 16.9)/(43 - 24) | -0.1 |
| 38.2 (12/12/2023) | 16.9 (12/10/2018) | (38.2 - 16.9)/(44 - 24) | 1.065 |
| 50 (1/10/2024) | 16.9 (12/10/2018) | (50 - 16.9)/(45 - 24) | 1.57619 |
| 8.4 (5/21/2024) | 16.9 (12/10/2018) | (8.4 - 16.9)/(46 - 24) | -0.386364 |
| 14.4 (9/16/2024) | 16.9 (12/10/2018) | (14.4 - 16.9)/(47 - 24) | -0.108696 |
| 65.6 (12/11/2024) | 16.9 (12/10/2018) | (65.6 - 16.9)/(48 - 24) | 2.02917 |
| 250 (2/18/2025) | 16.9 (12/10/2018) | (250 - 16.9)/(49 - 24) | 9.324 |
| | | | |
| 12.3 (6/12/2019) | 36 (4/15/2019) | (12.3 - 36)/(26 - 25) | -23.7 |
| 8.8 (8/27/2019) | 36 (4/15/2019) | (8.8 - 36)/(27 - 25) | -13.6 |
| 10.6 (10/29/2019) | 36 (4/15/2019) | (10.6 - 36)/(28 - 25) | -8.46667 |

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|---|---|---|---|
| 15.7 (3/30/2020) | 36 (4/15/2019) | (15.7 - 36)/(29 - 25) | -5.075 |
| 11.4 (6/16/2020) | 36 (4/15/2019) | (11.4 - 36)/(30 - 25) | -4.92 |
| 8.2 (9/21/2020) | 36 (4/15/2019) | (8.2 - 36)/(31 - 25) | -4.63333 |
| 14.4 (12/17/2020) | 36 (4/15/2019) | (14.4 - 36)/(32 - 25) | -3.08571 |
| 51.6 (3/18/2021) | 36 (4/15/2019) | (51.6 - 36)/(33 - 25) | 1.95 |
| 30.4 (5/5/2021) | 36 (4/15/2019) | (30.4 - 36)/(34 - 25) | -0.622222 |
| 23.2 (9/2/2021) | 36 (4/15/2019) | (23.2 - 36)/(35 - 25) | -1.28 |
| 40.2 (11/23/2021) | 36 (4/15/2019) | (40.2 - 36)/(36 - 25) | 0.381818 |
| 20.6 (1/11/2022) | 36 (4/15/2019) | (20.6 - 36)/(37 - 25) | -1.28333 |
| 178 (4/7/2022) | 36 (4/15/2019) | (178 - 36)/(38 - 25) | 10.9231 |
| 11.1 (8/2/2022) | 36 (4/15/2019) | (11.1 - 36)/(39 - 25) | -1.77857 |
| 9.2 (11/16/2022) | 36 (4/15/2019) | (9.2 - 36)/(40 - 25) | -1.78667 |
| 17.9 (2/14/2023) | 36 (4/15/2019) | (17.9 - 36)/(41 - 25) | -1.13125 |
| 17.2 (5/25/2023) | 36 (4/15/2019) | (17.2 - 36)/(42 - 25) | -1.10588 |
| 15 (8/7/2023) | 36 (4/15/2019) | (15 - 36)/(43 - 25) | -1.16667 |
| 38.2 (12/12/2023) | 36 (4/15/2019) | (38.2 - 36)/(44 - 25) | 0.115789 |
| 50 (1/10/2024) | 36 (4/15/2019) | (50 - 36)/(45 - 25) | 0.7 |
| 8.4 (5/21/2024) | 36 (4/15/2019) | (8.4 - 36)/(46 - 25) | -1.31429 |
| 14.4 (9/16/2024) | 36 (4/15/2019) | (14.4 - 36)/(47 - 25) | -0.981818 |
| 65.6 (12/11/2024) | 36 (4/15/2019) | (65.6 - 36)/(48 - 25) | 1.28696 |
| 250 (2/18/2025) | 36 (4/15/2019) | (250 - 36)/(49 - 25) | 8.91667 |
| | | | |
| 8.8 (8/27/2019) | 12.3 (6/12/2019) | (8.8 - 12.3)/(27 - 26) | -3.5 |
| 10.6 (10/29/2019) | 12.3 (6/12/2019) | (10.6 - 12.3)/(28 - 26) | -0.85 |
| 15.7 (3/30/2020) | 12.3 (6/12/2019) | (15.7 - 12.3)/(29 - 26) | 1.13333 |
| 11.4 (6/16/2020) | 12.3 (6/12/2019) | (11.4 - 12.3)/(30 - 26) | -0.225 |
| 8.2 (9/21/2020) | 12.3 (6/12/2019) | (8.2 - 12.3)/(31 - 26) | -0.82 |
| 14.4 (12/17/2020) | 12.3 (6/12/2019) | (14.4 - 12.3)/(32 - 26) | 0.35 |
| 51.6 (3/18/2021) | 12.3 (6/12/2019) | (51.6 - 12.3)/(33 - 26) | 5.61429 |
| 30.4 (5/5/2021) | 12.3 (6/12/2019) | (30.4 - 12.3)/(34 - 26) | 2.2625 |
| 23.2 (9/2/2021) | 12.3 (6/12/2019) | (23.2 - 12.3)/(35 - 26) | 1.21111 |
| 40.2 (11/23/2021) | 12.3 (6/12/2019) | (40.2 - 12.3)/(36 - 26) | 2.79 |
| 20.6 (1/11/2022) | 12.3 (6/12/2019) | (20.6 - 12.3)/(37 - 26) | 0.754545 |
| 178 (4/7/2022) | 12.3 (6/12/2019) | (178 - 12.3)/(38 - 26) | 13.8083 |
| 11.1 (8/2/2022) | 12.3 (6/12/2019) | (11.1 - 12.3)/(39 - 26) | -0.0923077 |
| 9.2 (11/16/2022) | 12.3 (6/12/2019) | (9.2 - 12.3)/(40 - 26) | -0.221429 |
| 17.9 (2/14/2023) | 12.3 (6/12/2019) | (17.9 - 12.3)/(41 - 26) | 0.373333 |
| 17.2 (5/25/2023) | 12.3 (6/12/2019) | (17.2 - 12.3)/(42 - 26) | 0.30625 |
| 15 (8/7/2023) | 12.3 (6/12/2019) | (15 - 12.3)/(43 - 26) | 0.158824 |
| 38.2 (12/12/2023) | 12.3 (6/12/2019) | (38.2 - 12.3)/(44 - 26) | 1.43889 |
| 50 (1/10/2024) | 12.3 (6/12/2019) | (50 - 12.3)/(45 - 26) | 1.98421 |
| 8.4 (5/21/2024) | 12.3 (6/12/2019) | (8.4 - 12.3)/(46 - 26) | -0.195 |
| 14.4 (9/16/2024) | 12.3 (6/12/2019) | (14.4 - 12.3)/(47 - 26) | 0.1 |
| 65.6 (12/11/2024) | 12.3 (6/12/2019) | (65.6 - 12.3)/(48 - 26) | 2.42273 |
| 250 (2/18/2025) | 12.3 (6/12/2019) | (250 - 12.3)/(49 - 26) | 10.3348 |
| | | | |
| 10.6 (10/29/2019) | 8.8 (8/27/2019) | (10.6 - 8.8)/(28 - 27) | 1.8 |
| 15.7 (3/30/2020) | 8.8 (8/27/2019) | (15.7 - 8.8)/(29 - 27) | 3.45 |
| 11.4 (6/16/2020) | 8.8 (8/27/2019) | (11.4 - 8.8)/(30 - 27) | 0.866667 |
| 8.2 (9/21/2020) | 8.8 (8/27/2019) | (8.2 - 8.8)/(31 - 27) | -0.15 |
| 14.4 (12/17/2020) | 8.8 (8/27/2019) | (14.4 - 8.8)/(32 - 27) | 1.12 |
| 51.6 (3/18/2021) | 8.8 (8/27/2019) | (51.6 - 8.8)/(33 - 27) | 7.13333 |
| 30.4 (5/5/2021) | 8.8 (8/27/2019) | (30.4 - 8.8)/(34 - 27) | 3.08571 |
| 23.2 (9/2/2021) | 8.8 (8/27/2019) | (23.2 - 8.8)/(35 - 27) | 1.8 |
| 40.2 (11/23/2021) | 8.8 (8/27/2019) | (40.2 - 8.8)/(36 - 27) | 3.48889 |
| 20.6 (1/11/2022) | 8.8 (8/27/2019) | (20.6 - 8.8)/(37 - 27) | 1.18 |
| 178 (4/7/2022) | 8.8 (8/27/2019) | (178 - 8.8)/(38 - 27) | 15.3818 |

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|---|---|---|---|
| 11.1 (8/2/2022) | 8.8 (8/27/2019) | (11.1 - 8.8)/(39 - 27) | 0.191667 |
| 9.2 (11/16/2022) | 8.8 (8/27/2019) | (9.2 - 8.8)/(40 - 27) | 0.0307692 |
| 17.9 (2/14/2023) | 8.8 (8/27/2019) | (17.9 - 8.8)/(41 - 27) | 0.65 |
| 17.2 (5/25/2023) | 8.8 (8/27/2019) | (17.2 - 8.8)/(42 - 27) | 0.56 |
| 15 (8/7/2023) | 8.8 (8/27/2019) | (15 - 8.8)/(43 - 27) | 0.3875 |
| 38.2 (12/12/2023) | 8.8 (8/27/2019) | (38.2 - 8.8)/(44 - 27) | 1.72941 |
| 50 (1/10/2024) | 8.8 (8/27/2019) | (50 - 8.8)/(45 - 27) | 2.28889 |
| 8.4 (5/21/2024) | 8.8 (8/27/2019) | (8.4 - 8.8)/(46 - 27) | -0.0210526 |
| 14.4 (9/16/2024) | 8.8 (8/27/2019) | (14.4 - 8.8)/(47 - 27) | 0.28 |
| 65.6 (12/11/2024) | 8.8 (8/27/2019) | (65.6 - 8.8)/(48 - 27) | 2.70476 |
| 250 (2/18/2025) | 8.8 (8/27/2019) | (250 - 8.8)/(49 - 27) | 10.9636 |
| | | | |
| 15.7 (3/30/2020) | 10.6 (10/29/2019) | (15.7 - 10.6)/(29 - 28) | 5.1 |
| 11.4 (6/16/2020) | 10.6 (10/29/2019) | (11.4 - 10.6)/(30 - 28) | 0.4 |
| 8.2 (9/21/2020) | 10.6 (10/29/2019) | (8.2 - 10.6)/(31 - 28) | -0.8 |
| 14.4 (12/17/2020) | 10.6 (10/29/2019) | (14.4 - 10.6)/(32 - 28) | 0.95 |
| 51.6 (3/18/2021) | 10.6 (10/29/2019) | (51.6 - 10.6)/(33 - 28) | 8.2 |
| 30.4 (5/5/2021) | 10.6 (10/29/2019) | (30.4 - 10.6)/(34 - 28) | 3.3 |
| 23.2 (9/2/2021) | 10.6 (10/29/2019) | (23.2 - 10.6)/(35 - 28) | 1.8 |
| 40.2 (11/23/2021) | 10.6 (10/29/2019) | (40.2 - 10.6)/(36 - 28) | 3.7 |
| 20.6 (1/11/2022) | 10.6 (10/29/2019) | (20.6 - 10.6)/(37 - 28) | 1.11111 |
| 178 (4/7/2022) | 10.6 (10/29/2019) | (178 - 10.6)/(38 - 28) | 16.74 |
| 11.1 (8/2/2022) | 10.6 (10/29/2019) | (11.1 - 10.6)/(39 - 28) | 0.0454545 |
| 9.2 (11/16/2022) | 10.6 (10/29/2019) | (9.2 - 10.6)/(40 - 28) | -0.116667 |
| 17.9 (2/14/2023) | 10.6 (10/29/2019) | (17.9 - 10.6)/(41 - 28) | 0.561538 |
| 17.2 (5/25/2023) | 10.6 (10/29/2019) | (17.2 - 10.6)/(42 - 28) | 0.471429 |
| 15 (8/7/2023) | 10.6 (10/29/2019) | (15 - 10.6)/(43 - 28) | 0.293333 |
| 38.2 (12/12/2023) | 10.6 (10/29/2019) | (38.2 - 10.6)/(44 - 28) | 1.725 |
| 50 (1/10/2024) | 10.6 (10/29/2019) | (50 - 10.6)/(45 - 28) | 2.31765 |
| 8.4 (5/21/2024) | 10.6 (10/29/2019) | (8.4 - 10.6)/(46 - 28) | -0.122222 |
| 14.4 (9/16/2024) | 10.6 (10/29/2019) | (14.4 - 10.6)/(47 - 28) | 0.2 |
| 65.6 (12/11/2024) | 10.6 (10/29/2019) | (65.6 - 10.6)/(48 - 28) | 2.75 |
| 250 (2/18/2025) | 10.6 (10/29/2019) | (250 - 10.6)/(49 - 28) | 11.4 |
| | | | |
| 11.4 (6/16/2020) | 15.7 (3/30/2020) | (11.4 - 15.7)/(30 - 29) | -4.3 |
| 8.2 (9/21/2020) | 15.7 (3/30/2020) | (8.2 - 15.7)/(31 - 29) | -3.75 |
| 14.4 (12/17/2020) | 15.7 (3/30/2020) | (14.4 - 15.7)/(32 - 29) | -0.433333 |
| 51.6 (3/18/2021) | 15.7 (3/30/2020) | (51.6 - 15.7)/(33 - 29) | 8.975 |
| 30.4 (5/5/2021) | 15.7 (3/30/2020) | (30.4 - 15.7)/(34 - 29) | 2.94 |
| 23.2 (9/2/2021) | 15.7 (3/30/2020) | (23.2 - 15.7)/(35 - 29) | 1.25 |
| 40.2 (11/23/2021) | 15.7 (3/30/2020) | (40.2 - 15.7)/(36 - 29) | 3.5 |
| 20.6 (1/11/2022) | 15.7 (3/30/2020) | (20.6 - 15.7)/(37 - 29) | 0.6125 |
| 178 (4/7/2022) | 15.7 (3/30/2020) | (178 - 15.7)/(38 - 29) | 18.0333 |
| 11.1 (8/2/2022) | 15.7 (3/30/2020) | (11.1 - 15.7)/(39 - 29) | -0.46 |
| 9.2 (11/16/2022) | 15.7 (3/30/2020) | (9.2 - 15.7)/(40 - 29) | -0.590909 |
| 17.9 (2/14/2023) | 15.7 (3/30/2020) | (17.9 - 15.7)/(41 - 29) | 0.183333 |
| 17.2 (5/25/2023) | 15.7 (3/30/2020) | (17.2 - 15.7)/(42 - 29) | 0.115385 |
| 15 (8/7/2023) | 15.7 (3/30/2020) | (15 - 15.7)/(43 - 29) | -0.05 |
| 38.2 (12/12/2023) | 15.7 (3/30/2020) | (38.2 - 15.7)/(44 - 29) | 1.5 |
| 50 (1/10/2024) | 15.7 (3/30/2020) | (50 - 15.7)/(45 - 29) | 2.14375 |
| 8.4 (5/21/2024) | 15.7 (3/30/2020) | (8.4 - 15.7)/(46 - 29) | -0.429412 |
| 14.4 (9/16/2024) | 15.7 (3/30/2020) | (14.4 - 15.7)/(47 - 29) | -0.0722222 |
| 65.6 (12/11/2024) | 15.7 (3/30/2020) | (65.6 - 15.7)/(48 - 29) | 2.62632 |
| 250 (2/18/2025) | 15.7 (3/30/2020) | (250 - 15.7)/(49 - 29) | 11.715 |
| | | | |
| 8.2 (9/21/2020) | 11.4 (6/16/2020) | (8.2 - 11.4)/(31 - 30) | -3.2 |
| 14.4 (12/17/2020) | 11.4 (6/16/2020) | (14.4 - 11.4)/(32 - 30) | 1.5 |

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|---|---|---|---|
| 51.6 (3/18/2021) | 11.4 (6/16/2020) | (51.6 - 11.4)/(33 - 30) | 13.4 |
| 30.4 (5/5/2021) | 11.4 (6/16/2020) | (30.4 - 11.4)/(34 - 30) | 4.75 |
| 23.2 (9/2/2021) | 11.4 (6/16/2020) | (23.2 - 11.4)/(35 - 30) | 2.36 |
| 40.2 (11/23/2021) | 11.4 (6/16/2020) | (40.2 - 11.4)/(36 - 30) | 4.8 |
| 20.6 (1/11/2022) | 11.4 (6/16/2020) | (20.6 - 11.4)/(37 - 30) | 1.31429 |
| 178 (4/7/2022) | 11.4 (6/16/2020) | (178 - 11.4)/(38 - 30) | 20.825 |
| 11.1 (8/2/2022) | 11.4 (6/16/2020) | (11.1 - 11.4)/(39 - 30) | -0.0333333 |
| 9.2 (11/16/2022) | 11.4 (6/16/2020) | (9.2 - 11.4)/(40 - 30) | -0.22 |
| 17.9 (2/14/2023) | 11.4 (6/16/2020) | (17.9 - 11.4)/(41 - 30) | 0.590909 |
| 17.2 (5/25/2023) | 11.4 (6/16/2020) | (17.2 - 11.4)/(42 - 30) | 0.483333 |
| 15 (8/7/2023) | 11.4 (6/16/2020) | (15 - 11.4)/(43 - 30) | 0.276923 |
| 38.2 (12/12/2023) | 11.4 (6/16/2020) | (38.2 - 11.4)/(44 - 30) | 1.91429 |
| 50 (1/10/2024) | 11.4 (6/16/2020) | (50 - 11.4)/(45 - 30) | 2.57333 |
| 8.4 (5/21/2024) | 11.4 (6/16/2020) | (8.4 - 11.4)/(46 - 30) | -0.1875 |
| 14.4 (9/16/2024) | 11.4 (6/16/2020) | (14.4 - 11.4)/(47 - 30) | 0.176471 |
| 65.6 (12/11/2024) | 11.4 (6/16/2020) | (65.6 - 11.4)/(48 - 30) | 3.01111 |
| 250 (2/18/2025) | 11.4 (6/16/2020) | (250 - 11.4)/(49 - 30) | 12.5579 |
| | | | |
| 14.4 (12/17/2020) | 8.2 (9/21/2020) | (14.4 - 8.2)/(32 - 31) | 6.2 |
| 51.6 (3/18/2021) | 8.2 (9/21/2020) | (51.6 - 8.2)/(33 - 31) | 21.7 |
| 30.4 (5/5/2021) | 8.2 (9/21/2020) | (30.4 - 8.2)/(34 - 31) | 7.4 |
| 23.2 (9/2/2021) | 8.2 (9/21/2020) | (23.2 - 8.2)/(35 - 31) | 3.75 |
| 40.2 (11/23/2021) | 8.2 (9/21/2020) | (40.2 - 8.2)/(36 - 31) | 6.4 |
| 20.6 (1/11/2022) | 8.2 (9/21/2020) | (20.6 - 8.2)/(37 - 31) | 2.06667 |
| 178 (4/7/2022) | 8.2 (9/21/2020) | (178 - 8.2)/(38 - 31) | 24.2571 |
| 11.1 (8/2/2022) | 8.2 (9/21/2020) | (11.1 - 8.2)/(39 - 31) | 0.3625 |
| 9.2 (11/16/2022) | 8.2 (9/21/2020) | (9.2 - 8.2)/(40 - 31) | 0.111111 |
| 17.9 (2/14/2023) | 8.2 (9/21/2020) | (17.9 - 8.2)/(41 - 31) | 0.97 |
| 17.2 (5/25/2023) | 8.2 (9/21/2020) | (17.2 - 8.2)/(42 - 31) | 0.818182 |
| 15 (8/7/2023) | 8.2 (9/21/2020) | (15 - 8.2)/(43 - 31) | 0.566667 |
| 38.2 (12/12/2023) | 8.2 (9/21/2020) | (38.2 - 8.2)/(44 - 31) | 2.30769 |
| 50 (1/10/2024) | 8.2 (9/21/2020) | (50 - 8.2)/(45 - 31) | 2.98571 |
| 8.4 (5/21/2024) | 8.2 (9/21/2020) | (8.4 - 8.2)/(46 - 31) | 0.0133333 |
| 14.4 (9/16/2024) | 8.2 (9/21/2020) | (14.4 - 8.2)/(47 - 31) | 0.3875 |
| 65.6 (12/11/2024) | 8.2 (9/21/2020) | (65.6 - 8.2)/(48 - 31) | 3.37647 |
| 250 (2/18/2025) | 8.2 (9/21/2020) | (250 - 8.2)/(49 - 31) | 13.4333 |
| | | | |
| 51.6 (3/18/2021) | 14.4 (12/17/2020) | (51.6 - 14.4)/(33 - 32) | 37.2 |
| 30.4 (5/5/2021) | 14.4 (12/17/2020) | (30.4 - 14.4)/(34 - 32) | 8 |
| 23.2 (9/2/2021) | 14.4 (12/17/2020) | (23.2 - 14.4)/(35 - 32) | 2.93333 |
| 40.2 (11/23/2021) | 14.4 (12/17/2020) | (40.2 - 14.4)/(36 - 32) | 6.45 |
| 20.6 (1/11/2022) | 14.4 (12/17/2020) | (20.6 - 14.4)/(37 - 32) | 1.24 |
| 178 (4/7/2022) | 14.4 (12/17/2020) | (178 - 14.4)/(38 - 32) | 27.2667 |
| 11.1 (8/2/2022) | 14.4 (12/17/2020) | (11.1 - 14.4)/(39 - 32) | -0.471429 |
| 9.2 (11/16/2022) | 14.4 (12/17/2020) | (9.2 - 14.4)/(40 - 32) | -0.65 |
| 17.9 (2/14/2023) | 14.4 (12/17/2020) | (17.9 - 14.4)/(41 - 32) | 0.388889 |
| 17.2 (5/25/2023) | 14.4 (12/17/2020) | (17.2 - 14.4)/(42 - 32) | 0.28 |
| 15 (8/7/2023) | 14.4 (12/17/2020) | (15 - 14.4)/(43 - 32) | 0.0545455 |
| 38.2 (12/12/2023) | 14.4 (12/17/2020) | (38.2 - 14.4)/(44 - 32) | 1.98333 |
| 50 (1/10/2024) | 14.4 (12/17/2020) | (50 - 14.4)/(45 - 32) | 2.73846 |
| 8.4 (5/21/2024) | 14.4 (12/17/2020) | (8.4 - 14.4)/(46 - 32) | -0.428571 |
| 14.4 (9/16/2024) | 14.4 (12/17/2020) | (14.4 - 14.4)/(47 - 32) | 0 |
| 65.6 (12/11/2024) | 14.4 (12/17/2020) | (65.6 - 14.4)/(48 - 32) | 3.2 |
| 250 (2/18/2025) | 14.4 (12/17/2020) | (250 - 14.4)/(49 - 32) | 13.8588 |
| | | | |
| 30.4 (5/5/2021) | 51.6 (3/18/2021) | (30.4 - 51.6)/(34 - 33) | -21.2 |
| 23.2 (9/2/2021) | 51.6 (3/18/2021) | (23.2 - 51.6)/(35 - 33) | -14.2 |

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| 40.2 (11/23/2021) | 51.6 (3/18/2021) | (40.2 - 51.6)/(36 - 33) | -3.8 |
| 20.6 (1/11/2022) | 51.6 (3/18/2021) | (20.6 - 51.6)/(37 - 33) | -7.75 |
| 178 (4/7/2022) | 51.6 (3/18/2021) | (178 - 51.6)/(38 - 33) | 25.28 |
| 11.1 (8/2/2022) | 51.6 (3/18/2021) | (11.1 - 51.6)/(39 - 33) | -6.75 |
| 9.2 (11/16/2022) | 51.6 (3/18/2021) | (9.2 - 51.6)/(40 - 33) | -6.05714 |
| 17.9 (2/14/2023) | 51.6 (3/18/2021) | (17.9 - 51.6)/(41 - 33) | -4.2125 |
| 17.2 (5/25/2023) | 51.6 (3/18/2021) | (17.2 - 51.6)/(42 - 33) | -3.82222 |
| 15 (8/7/2023) | 51.6 (3/18/2021) | (15 - 51.6)/(43 - 33) | -3.66 |
| 38.2 (12/12/2023) | 51.6 (3/18/2021) | (38.2 - 51.6)/(44 - 33) | -1.21818 |
| 50 (1/10/2024) | 51.6 (3/18/2021) | (50 - 51.6)/(45 - 33) | -0.133333 |
| 8.4 (5/21/2024) | 51.6 (3/18/2021) | (8.4 - 51.6)/(46 - 33) | -3.32308 |
| 14.4 (9/16/2024) | 51.6 (3/18/2021) | (14.4 - 51.6)/(47 - 33) | -2.65714 |
| 65.6 (12/11/2024) | 51.6 (3/18/2021) | (65.6 - 51.6)/(48 - 33) | 0.933333 |
| 250 (2/18/2025) | 51.6 (3/18/2021) | (250 - 51.6)/(49 - 33) | 12.4 |
| | | | |
| 23.2 (9/2/2021) | 30.4 (5/5/2021) | (23.2 - 30.4)/(35 - 34) | -7.2 |
| 40.2 (11/23/2021) | 30.4 (5/5/2021) | (40.2 - 30.4)/(36 - 34) | 4.9 |
| 20.6 (1/11/2022) | 30.4 (5/5/2021) | (20.6 - 30.4)/(37 - 34) | -3.26667 |
| 178 (4/7/2022) | 30.4 (5/5/2021) | (178 - 30.4)/(38 - 34) | 36.9 |
| 11.1 (8/2/2022) | 30.4 (5/5/2021) | (11.1 - 30.4)/(39 - 34) | -3.86 |
| 9.2 (11/16/2022) | 30.4 (5/5/2021) | (9.2 - 30.4)/(40 - 34) | -3.53333 |
| 17.9 (2/14/2023) | 30.4 (5/5/2021) | (17.9 - 30.4)/(41 - 34) | -1.78571 |
| 17.2 (5/25/2023) | 30.4 (5/5/2021) | (17.2 - 30.4)/(42 - 34) | -1.65 |
| 15 (8/7/2023) | 30.4 (5/5/2021) | (15 - 30.4)/(43 - 34) | -1.71111 |
| 38.2 (12/12/2023) | 30.4 (5/5/2021) | (38.2 - 30.4)/(44 - 34) | 0.78 |
| 50 (1/10/2024) | 30.4 (5/5/2021) | (50 - 30.4)/(45 - 34) | 1.78182 |
| 8.4 (5/21/2024) | 30.4 (5/5/2021) | (8.4 - 30.4)/(46 - 34) | -1.83333 |
| 14.4 (9/16/2024) | 30.4 (5/5/2021) | (14.4 - 30.4)/(47 - 34) | -1.23077 |
| 65.6 (12/11/2024) | 30.4 (5/5/2021) | (65.6 - 30.4)/(48 - 34) | 2.51429 |
| 250 (2/18/2025) | 30.4 (5/5/2021) | (250 - 30.4)/(49 - 34) | 14.64 |
| | | | |
| 40.2 (11/23/2021) | 23.2 (9/2/2021) | (40.2 - 23.2)/(36 - 35) | 17 |
| 20.6 (1/11/2022) | 23.2 (9/2/2021) | (20.6 - 23.2)/(37 - 35) | -1.3 |
| 178 (4/7/2022) | 23.2 (9/2/2021) | (178 - 23.2)/(38 - 35) | 51.6 |
| 11.1 (8/2/2022) | 23.2 (9/2/2021) | (11.1 - 23.2)/(39 - 35) | -3.025 |
| 9.2 (11/16/2022) | 23.2 (9/2/2021) | (9.2 - 23.2)/(40 - 35) | -2.8 |
| 17.9 (2/14/2023) | 23.2 (9/2/2021) | (17.9 - 23.2)/(41 - 35) | -0.883333 |
| 17.2 (5/25/2023) | 23.2 (9/2/2021) | (17.2 - 23.2)/(42 - 35) | -0.857143 |
| 15 (8/7/2023) | 23.2 (9/2/2021) | (15 - 23.2)/(43 - 35) | -1.025 |
| 38.2 (12/12/2023) | 23.2 (9/2/2021) | (38.2 - 23.2)/(44 - 35) | 1.66667 |
| 50 (1/10/2024) | 23.2 (9/2/2021) | (50 - 23.2)/(45 - 35) | 2.68 |
| 8.4 (5/21/2024) | 23.2 (9/2/2021) | (8.4 - 23.2)/(46 - 35) | -1.34545 |
| 14.4 (9/16/2024) | 23.2 (9/2/2021) | (14.4 - 23.2)/(47 - 35) | -0.733333 |
| 65.6 (12/11/2024) | 23.2 (9/2/2021) | (65.6 - 23.2)/(48 - 35) | 3.26154 |
| 250 (2/18/2025) | 23.2 (9/2/2021) | (250 - 23.2)/(49 - 35) | 16.2 |
| | | | |
| 20.6 (1/11/2022) | 40.2 (11/23/2021) | (20.6 - 40.2)/(37 - 36) | -19.6 |
| 178 (4/7/2022) | 40.2 (11/23/2021) | (178 - 40.2)/(38 - 36) | 68.9 |
| 11.1 (8/2/2022) | 40.2 (11/23/2021) | (11.1 - 40.2)/(39 - 36) | -9.7 |
| 9.2 (11/16/2022) | 40.2 (11/23/2021) | (9.2 - 40.2)/(40 - 36) | -7.75 |
| 17.9 (2/14/2023) | 40.2 (11/23/2021) | (17.9 - 40.2)/(41 - 36) | -4.46 |
| 17.2 (5/25/2023) | 40.2 (11/23/2021) | (17.2 - 40.2)/(42 - 36) | -3.83333 |
| 15 (8/7/2023) | 40.2 (11/23/2021) | (15 - 40.2)/(43 - 36) | -3.6 |
| 38.2 (12/12/2023) | 40.2 (11/23/2021) | (38.2 - 40.2)/(44 - 36) | -0.25 |
| 50 (1/10/2024) | 40.2 (11/23/2021) | (50 - 40.2)/(45 - 36) | 1.08889 |
| 8.4 (5/21/2024) | 40.2 (11/23/2021) | (8.4 - 40.2)/(46 - 36) | -3.18 |
| 14.4 (9/16/2024) | 40.2 (11/23/2021) | (14.4 - 40.2)/(47 - 36) | -2.34545 |

| | | | |
|---|---|---|---|
| 65.6 (12/11/2024) | 40.2 (11/23/2021) | (65.6 - 40.2)/(48 - 36) | 2.11667 |
| 250 (2/18/2025) | 40.2 (11/23/2021) | (250 - 40.2)/(49 - 36) | 16.1385 |
| | | | |
| 178 (4/7/2022) | 20.6 (1/11/2022) | (178 - 20.6)/(38 - 37) | 157.4 |
| 11.1 (8/2/2022) | 20.6 (1/11/2022) | (11.1 - 20.6)/(39 - 37) | -4.75 |
| 9.2 (11/16/2022) | 20.6 (1/11/2022) | (9.2 - 20.6)/(40 - 37) | -3.8 |
| 17.9 (2/14/2023) | 20.6 (1/11/2022) | (17.9 - 20.6)/(41 - 37) | -0.675 |
| 17.2 (5/25/2023) | 20.6 (1/11/2022) | (17.2 - 20.6)/(42 - 37) | -0.68 |
| 15 (8/7/2023) | 20.6 (1/11/2022) | (15 - 20.6)/(43 - 37) | -0.933333 |
| 38.2 (12/12/2023) | 20.6 (1/11/2022) | (38.2 - 20.6)/(44 - 37) | 2.51429 |
| 50 (1/10/2024) | 20.6 (1/11/2022) | (50 - 20.6)/(45 - 37) | 3.675 |
| 8.4 (5/21/2024) | 20.6 (1/11/2022) | (8.4 - 20.6)/(46 - 37) | -1.35556 |
| 14.4 (9/16/2024) | 20.6 (1/11/2022) | (14.4 - 20.6)/(47 - 37) | -0.62 |
| 65.6 (12/11/2024) | 20.6 (1/11/2022) | (65.6 - 20.6)/(48 - 37) | 4.09091 |
| 250 (2/18/2025) | 20.6 (1/11/2022) | (250 - 20.6)/(49 - 37) | 19.1167 |
| | | | |
| 11.1 (8/2/2022) | 178 (4/7/2022) | (11.1 - 178)/(39 - 38) | -166.9 |
| 9.2 (11/16/2022) | 178 (4/7/2022) | (9.2 - 178)/(40 - 38) | -84.4 |
| 17.9 (2/14/2023) | 178 (4/7/2022) | (17.9 - 178)/(41 - 38) | -53.3667 |
| 17.2 (5/25/2023) | 178 (4/7/2022) | (17.2 - 178)/(42 - 38) | -40.2 |
| 15 (8/7/2023) | 178 (4/7/2022) | (15 - 178)/(43 - 38) | -32.6 |
| 38.2 (12/12/2023) | 178 (4/7/2022) | (38.2 - 178)/(44 - 38) | -23.3 |
| 50 (1/10/2024) | 178 (4/7/2022) | (50 - 178)/(45 - 38) | -18.2857 |
| 8.4 (5/21/2024) | 178 (4/7/2022) | (8.4 - 178)/(46 - 38) | -21.2 |
| 14.4 (9/16/2024) | 178 (4/7/2022) | (14.4 - 178)/(47 - 38) | -18.1778 |
| 65.6 (12/11/2024) | 178 (4/7/2022) | (65.6 - 178)/(48 - 38) | -11.24 |
| 250 (2/18/2025) | 178 (4/7/2022) | (250 - 178)/(49 - 38) | 6.54545 |
| | | | |
| 9.2 (11/16/2022) | 11.1 (8/2/2022) | (9.2 - 11.1)/(40 - 39) | -1.9 |
| 17.9 (2/14/2023) | 11.1 (8/2/2022) | (17.9 - 11.1)/(41 - 39) | 3.4 |
| 17.2 (5/25/2023) | 11.1 (8/2/2022) | (17.2 - 11.1)/(42 - 39) | 2.03333 |
| 15 (8/7/2023) | 11.1 (8/2/2022) | (15 - 11.1)/(43 - 39) | 0.975 |
| 38.2 (12/12/2023) | 11.1 (8/2/2022) | (38.2 - 11.1)/(44 - 39) | 5.42 |
| 50 (1/10/2024) | 11.1 (8/2/2022) | (50 - 11.1)/(45 - 39) | 6.48333 |
| 8.4 (5/21/2024) | 11.1 (8/2/2022) | (8.4 - 11.1)/(46 - 39) | -0.385714 |
| 14.4 (9/16/2024) | 11.1 (8/2/2022) | (14.4 - 11.1)/(47 - 39) | 0.4125 |
| 65.6 (12/11/2024) | 11.1 (8/2/2022) | (65.6 - 11.1)/(48 - 39) | 6.05556 |
| 250 (2/18/2025) | 11.1 (8/2/2022) | (250 - 11.1)/(49 - 39) | 23.89 |
| | | | |
| 17.9 (2/14/2023) | 9.2 (11/16/2022) | (17.9 - 9.2)/(41 - 40) | 8.7 |
| 17.2 (5/25/2023) | 9.2 (11/16/2022) | (17.2 - 9.2)/(42 - 40) | 4 |
| 15 (8/7/2023) | 9.2 (11/16/2022) | (15 - 9.2)/(43 - 40) | 1.93333 |
| 38.2 (12/12/2023) | 9.2 (11/16/2022) | (38.2 - 9.2)/(44 - 40) | 7.25 |
| 50 (1/10/2024) | 9.2 (11/16/2022) | (50 - 9.2)/(45 - 40) | 8.16 |
| 8.4 (5/21/2024) | 9.2 (11/16/2022) | (8.4 - 9.2)/(46 - 40) | -0.133333 |
| 14.4 (9/16/2024) | 9.2 (11/16/2022) | (14.4 - 9.2)/(47 - 40) | 0.742857 |
| 65.6 (12/11/2024) | 9.2 (11/16/2022) | (65.6 - 9.2)/(48 - 40) | 7.05 |
| 250 (2/18/2025) | 9.2 (11/16/2022) | (250 - 9.2)/(49 - 40) | 26.7556 |
| | | | |
| 17.2 (5/25/2023) | 17.9 (2/14/2023) | (17.2 - 17.9)/(42 - 41) | -0.7 |
| 15 (8/7/2023) | 17.9 (2/14/2023) | (15 - 17.9)/(43 - 41) | -1.45 |
| 38.2 (12/12/2023) | 17.9 (2/14/2023) | (38.2 - 17.9)/(44 - 41) | 6.76667 |
| 50 (1/10/2024) | 17.9 (2/14/2023) | (50 - 17.9)/(45 - 41) | 8.025 |
| 8.4 (5/21/2024) | 17.9 (2/14/2023) | (8.4 - 17.9)/(46 - 41) | -1.9 |
| 14.4 (9/16/2024) | 17.9 (2/14/2023) | (14.4 - 17.9)/(47 - 41) | -0.583333 |
| 65.6 (12/11/2024) | 17.9 (2/14/2023) | (65.6 - 17.9)/(48 - 41) | 6.81429 |
| 250 (2/18/2025) | 17.9 (2/14/2023) | (250 - 17.9)/(49 - 41) | 29.0125 |

| | | | |
|---|---|---|---|
| 15 (8/7/2023) | 17.2 (5/25/2023) | (15 - 17.2)/(43 - 42) | -2.2 |
| 38.2 (12/12/2023) | 17.2 (5/25/2023) | (38.2 - 17.2)/(44 - 42) | 10.5 |
| 50 (1/10/2024) | 17.2 (5/25/2023) | (50 - 17.2)/(45 - 42) | 10.9333 |
| 8.4 (5/21/2024) | 17.2 (5/25/2023) | (8.4 - 17.2)/(46 - 42) | -2.2 |
| 14.4 (9/16/2024) | 17.2 (5/25/2023) | (14.4 - 17.2)/(47 - 42) | -0.56 |
| 65.6 (12/11/2024) | 17.2 (5/25/2023) | (65.6 - 17.2)/(48 - 42) | 8.06667 |
| 250 (2/18/2025) | 17.2 (5/25/2023) | (250 - 17.2)/(49 - 42) | 33.2571 |
| | | | |
| 38.2 (12/12/2023) | 15 (8/7/2023) | (38.2 - 15)/(44 - 43) | 23.2 |
| 50 (1/10/2024) | 15 (8/7/2023) | (50 - 15)/(45 - 43) | 17.5 |
| 8.4 (5/21/2024) | 15 (8/7/2023) | (8.4 - 15)/(46 - 43) | -2.2 |
| 14.4 (9/16/2024) | 15 (8/7/2023) | (14.4 - 15)/(47 - 43) | -0.15 |
| 65.6 (12/11/2024) | 15 (8/7/2023) | (65.6 - 15)/(48 - 43) | 10.12 |
| 250 (2/18/2025) | 15 (8/7/2023) | (250 - 15)/(49 - 43) | 39.1667 |
| | | | |
| 50 (1/10/2024) | 38.2 (12/12/2023) | (50 - 38.2)/(45 - 44) | 11.8 |
| 8.4 (5/21/2024) | 38.2 (12/12/2023) | (8.4 - 38.2)/(46 - 44) | -14.9 |
| 14.4 (9/16/2024) | 38.2 (12/12/2023) | (14.4 - 38.2)/(47 - 44) | -7.93333 |
| 65.6 (12/11/2024) | 38.2 (12/12/2023) | (65.6 - 38.2)/(48 - 44) | 6.85 |
| 250 (2/18/2025) | 38.2 (12/12/2023) | (250 - 38.2)/(49 - 44) | 42.36 |
| | | | |
| 8.4 (5/21/2024) | 50 (1/10/2024) | (8.4 - 50)/(46 - 45) | -41.6 |
| 14.4 (9/16/2024) | 50 (1/10/2024) | (14.4 - 50)/(47 - 45) | -17.8 |
| 65.6 (12/11/2024) | 50 (1/10/2024) | (65.6 - 50)/(48 - 45) | 5.2 |
| 250 (2/18/2025) | 50 (1/10/2024) | (250 - 50)/(49 - 45) | 50 |
| | | | |
| 14.4 (9/16/2024) | 8.4 (5/21/2024) | (14.4 - 8.4)/(47 - 46) | 6 |
| 65.6 (12/11/2024) | 8.4 (5/21/2024) | (65.6 - 8.4)/(48 - 46) | 28.6 |
| 250 (2/18/2025) | 8.4 (5/21/2024) | (250 - 8.4)/(49 - 46) | 80.5333 |
| | | | |
| 65.6 (12/11/2024) | 14.4 (9/16/2024) | (65.6 - 14.4)/(48 - 47) | 51.2 |
| 250 (2/18/2025) | 14.4 (9/16/2024) | (250 - 14.4)/(49 - 47) | 117.8 |
| | | | |
| 250 (2/18/2025) | 65.6 (12/11/2024) | (250 - 65.6)/(49 - 48) | 184.4 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -166.9 |
| 2 | -84.4 |
| 3 | -53.3667 |
| 4 | -52.1 |
| 5 | -41.6 |
| 6 | -40.2 |
| 7 | -32.6 |
| 8 | -30.55 |
| 9 | -23.7 |
| 10 | -23.3 |
| 11 | -22.6 |
| 12 | -21.2 |
| 13 | -21.2 |
| 14 | -20.3333 |
| 15 | -19.6 |
| 16 | -19 |

| | |
|---|---|
| 17 | -18.2857 |
| 18 | -18.1778 |
| 19 | -17.8 |
| 20 | -16.3 |
| 21 | -16 |
| 22 | -14.9 |
| 23 | -14.2 |
| 24 | -13.75 |
| 25 | -13.6 |
| 26 | -12.1 |
| 27 | -11.24 |
| 28 | -10.7 |
| 29 | -9.7 |
| 30 | -9.53333 |
| 31 | -9.25 |
| 32 | -9.16667 |
| 33 | -9 |
| 34 | -8.46667 |
| 35 | -8.03333 |
| 36 | -7.93333 |
| 37 | -7.75 |
| 38 | -7.75 |
| 39 | -7.3375 |
| 40 | -7.2 |
| 41 | -6.92 |
| 42 | -6.85 |
| 43 | -6.75 |
| 44 | -6.7 |
| 45 | -6.2 |
| 46 | -6.05714 |
| 47 | -6.05714 |
| 48 | -5.3 |
| 49 | -5.23 |
| 50 | -5.075 |
| 51 | -5.05 |
| 52 | -5 |
| 53 | -4.92 |
| 54 | -4.79091 |
| 55 | -4.75 |
| 56 | -4.63333 |
| 57 | -4.46 |
| 58 | -4.45 |
| 59 | -4.40769 |
| 60 | -4.34286 |
| 61 | -4.33333 |
| 62 | -4.3 |
| 63 | -4.28 |
| 64 | -4.25 |
| 65 | -4.2125 |
| 66 | -4 |
| 67 | -3.93333 |
| 68 | -3.9 |
| 69 | -3.86 |
| 70 | -3.85 |
| 71 | -3.83333 |
| 72 | -3.82222 |
| 73 | -3.8 |

| | |
|---|---|
| 74 | -3.8 |
| 75 | -3.75 |
| 76 | -3.66 |
| 77 | -3.62857 |
| 78 | -3.6 |
| 79 | -3.54 |
| 80 | -3.53333 |
| 81 | -3.5 |
| 82 | -3.42353 |
| 83 | -3.41111 |
| 84 | -3.37143 |
| 85 | -3.36875 |
| 86 | -3.32308 |
| 87 | -3.3 |
| 88 | -3.3 |
| 89 | -3.26667 |
| 90 | -3.2 |
| 91 | -3.18 |
| 92 | -3.08571 |
| 93 | -3.025 |
| 94 | -3.02 |
| 95 | -3.01667 |
| 96 | -3 |
| 97 | -2.91111 |
| 98 | -2.90526 |
| 99 | -2.8375 |
| 100 | -2.8 |
| 101 | -2.8 |
| 102 | -2.78889 |
| 103 | -2.7 |
| 104 | -2.65714 |
| 105 | -2.62857 |
| 106 | -2.575 |
| 107 | -2.525 |
| 108 | -2.48333 |
| 109 | -2.44 |
| 110 | -2.4375 |
| 111 | -2.425 |
| 112 | -2.4 |
| 113 | -2.36667 |
| 114 | -2.34545 |
| 115 | -2.3 |
| 116 | -2.25 |
| 117 | -2.23704 |
| 118 | -2.22 |
| 119 | -2.2 |
| 120 | -2.2 |
| 121 | -2.2 |
| 122 | -2.16 |
| 123 | -2.15556 |
| 124 | -2.125 |
| 125 | -2.10909 |
| 126 | -2.075 |
| 127 | -2.06154 |
| 128 | -2.04167 |
| 129 | -2 |
| 130 | -1.96667 |

| | |
|---|---|
| 131 | -1.925 |
| 132 | -1.9 |
| 133 | -1.9 |
| 134 | -1.86667 |
| 135 | -1.85455 |
| 136 | -1.84643 |
| 137 | -1.83333 |
| 138 | -1.82 |
| 139 | -1.81333 |
| 140 | -1.8069 |
| 141 | -1.78667 |
| 142 | -1.78571 |
| 143 | -1.77857 |
| 144 | -1.75455 |
| 145 | -1.72727 |
| 146 | -1.71111 |
| 147 | -1.7 |
| 148 | -1.69286 |
| 149 | -1.66667 |
| 150 | -1.66667 |
| 151 | -1.65 |
| 152 | -1.62353 |
| 153 | -1.59167 |
| 154 | -1.5875 |
| 155 | -1.58 |
| 156 | -1.575 |
| 157 | -1.55385 |
| 158 | -1.5 |
| 159 | -1.47143 |
| 160 | -1.46316 |
| 161 | -1.45 |
| 162 | -1.4 |
| 163 | -1.36667 |
| 164 | -1.35556 |
| 165 | -1.34545 |
| 166 | -1.34 |
| 167 | -1.34 |
| 168 | -1.31429 |
| 169 | -1.3 |
| 170 | -1.3 |
| 171 | -1.3 |
| 172 | -1.28571 |
| 173 | -1.28333 |
| 174 | -1.28 |
| 175 | -1.27826 |
| 176 | -1.27778 |
| 177 | -1.27647 |
| 178 | -1.24286 |
| 179 | -1.23158 |
| 180 | -1.23077 |
| 181 | -1.22143 |
| 182 | -1.21818 |
| 183 | -1.19412 |
| 184 | -1.19286 |
| 185 | -1.17273 |
| 186 | -1.17273 |
| 187 | -1.16667 |

| | |
|---|---|
| 188 | -1.14 |
| 189 | -1.1381 |
| 190 | -1.1375 |
| 191 | -1.13125 |
| 192 | -1.10588 |
| 193 | -1.1 |
| 194 | -1.1 |
| 195 | -1.08 |
| 196 | -1.07619 |
| 197 | -1.06667 |
| 198 | -1.06667 |
| 199 | -1.025 |
| 200 | -1.025 |
| 201 | -1.02 |
| 202 | -1.0129 |
| 203 | -1 |
| 204 | -1 |
| 205 | -0.981818 |
| 206 | -0.966667 |
| 207 | -0.96 |
| 208 | -0.957143 |
| 209 | -0.95 |
| 210 | -0.95 |
| 211 | -0.946667 |
| 212 | -0.942857 |
| 213 | -0.933333 |
| 214 | -0.925 |
| 215 | -0.922222 |
| 216 | -0.916667 |
| 217 | -0.915 |
| 218 | -0.9 |
| 219 | -0.9 |
| 220 | -0.9 |
| 221 | -0.892857 |
| 222 | -0.883333 |
| 223 | -0.857143 |
| 224 | -0.854545 |
| 225 | -0.852174 |
| 226 | -0.85 |
| 227 | -0.847368 |
| 228 | -0.842857 |
| 229 | -0.84 |
| 230 | -0.828571 |
| 231 | -0.826667 |
| 232 | -0.826316 |
| 233 | -0.825 |
| 234 | -0.82 |
| 235 | -0.811765 |
| 236 | -0.8 |
| 237 | -0.8 |
| 238 | -0.8 |
| 239 | -0.8 |
| 240 | -0.763333 |
| 241 | -0.757895 |
| 242 | -0.75 |
| 243 | -0.75 |
| 244 | -0.743478 |

| | |
|---|---|
| 245 | -0.741667 |
| 246 | -0.733333 |
| 247 | -0.723077 |
| 248 | -0.721739 |
| 249 | -0.710345 |
| 250 | -0.7 |
| 251 | -0.694118 |
| 252 | -0.691892 |
| 253 | -0.681818 |
| 254 | -0.68 |
| 255 | -0.677419 |
| 256 | -0.675 |
| 257 | -0.669231 |
| 258 | -0.66875 |
| 259 | -0.666667 |
| 260 | -0.666667 |
| 261 | -0.652941 |
| 262 | -0.65 |
| 263 | -0.626667 |
| 264 | -0.624138 |
| 265 | -0.622222 |
| 266 | -0.622222 |
| 267 | -0.62 |
| 268 | -0.618182 |
| 269 | -0.617143 |
| 270 | -0.616667 |
| 271 | -0.616 |
| 272 | -0.6125 |
| 273 | -0.6 |
| 274 | -0.590909 |
| 275 | -0.583333 |
| 276 | -0.58 |
| 277 | -0.576923 |
| 278 | -0.569697 |
| 279 | -0.56 |
| 280 | -0.559091 |
| 281 | -0.558824 |
| 282 | -0.556522 |
| 283 | -0.547059 |
| 284 | -0.544 |
| 285 | -0.533333 |
| 286 | -0.530435 |
| 287 | -0.528571 |
| 288 | -0.528125 |
| 289 | -0.515789 |
| 290 | -0.509091 |
| 291 | -0.505 |
| 292 | -0.503125 |
| 293 | -0.502564 |
| 294 | -0.5 |
| 295 | -0.492857 |
| 296 | -0.485714 |
| 297 | -0.48125 |
| 298 | -0.478571 |
| 299 | -0.477778 |
| 300 | -0.476471 |
| 301 | -0.474074 |

| | |
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| 302 | -0.471429 |
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|---|---|
| 1043 | 5.15217 |
| 1044 | 5.2 |
| 1045 | 5.2 |
| 1046 | 5.27273 |
| 1047 | 5.28571 |
| 1048 | 5.37812 |
| 1049 | 5.4 |
| 1050 | 5.42 |
| 1051 | 5.46154 |
| 1052 | 5.53333 |
| 1053 | 5.61429 |
| 1054 | 5.66 |
| 1055 | 5.67674 |
| 1056 | 5.78378 |
| 1057 | 5.80488 |
| 1058 | 5.82143 |
| 1059 | 5.95556 |
| 1060 | 6 |
| 1061 | 6 |
| 1062 | 6 |
| 1063 | 6.02564 |
| 1064 | 6.05556 |
| 1065 | 6.12593 |
| 1066 | 6.2 |
| 1067 | 6.24737 |
| 1068 | 6.275 |
| 1069 | 6.4 |
| 1070 | 6.45 |
| 1071 | 6.45 |
| 1072 | 6.48333 |
| 1073 | 6.54545 |
| 1074 | 6.64286 |
| 1075 | 6.6875 |
| 1076 | 6.76667 |
| 1077 | 6.81429 |
| 1078 | 6.85 |
| 1079 | 6.93333 |
| 1080 | 6.93548 |
| 1081 | 7.05 |
| 1082 | 7.10294 |
| 1083 | 7.13333 |
| 1084 | 7.15 |
| 1085 | 7.25 |
| 1086 | 7.31515 |
| 1087 | 7.35625 |
| 1088 | 7.36957 |
| 1089 | 7.4 |
| 1090 | 7.4 |
| 1091 | 7.68276 |
| 1092 | 7.7 |
| 1093 | 7.78095 |
| 1094 | 7.92 |
| 1095 | 8 |
| 1096 | 8.025 |
| 1097 | 8.06667 |
| 1098 | 8.16 |
| 1099 | 8.2 |

| | |
|---|---|
| 1100 | 8.37778 |
| 1101 | 8.53929 |
| 1102 | 8.7 |
| 1103 | 8.71579 |
| 1104 | 8.74815 |
| 1105 | 8.83333 |
| 1106 | 8.9 |
| 1107 | 8.91667 |
| 1108 | 8.95 |
| 1109 | 8.975 |
| 1110 | 9.1 |
| 1111 | 9.324 |
| 1112 | 9.35 |
| 1113 | 9.36667 |
| 1114 | 9.82941 |
| 1115 | 10.12 |
| 1116 | 10.2625 |
| 1117 | 10.3348 |
| 1118 | 10.5 |
| 1119 | 10.5 |
| 1120 | 10.7133 |
| 1121 | 10.9231 |
| 1122 | 10.9333 |
| 1123 | 10.9636 |
| 1124 | 11.4 |
| 1125 | 11.5071 |
| 1126 | 11.52 |
| 1127 | 11.715 |
| 1128 | 11.8 |
| 1129 | 12.4 |
| 1130 | 12.5579 |
| 1131 | 13.2 |
| 1132 | 13.4 |
| 1133 | 13.4333 |
| 1134 | 13.8083 |
| 1135 | 13.8588 |
| 1136 | 14.64 |
| 1137 | 14.8 |
| 1138 | 15.3818 |
| 1139 | 16.1385 |
| 1140 | 16.2 |
| 1141 | 16.74 |
| 1142 | 17 |
| 1143 | 17.5 |
| 1144 | 18.0333 |
| 1145 | 18.2 |
| 1146 | 19.1 |
| 1147 | 19.1167 |
| 1148 | 20.4 |
| 1149 | 20.825 |
| 1150 | 21.7 |
| 1151 | 22 |
| 1152 | 22.1 |
| 1153 | 23.2 |
| 1154 | 23.4 |
| 1155 | 23.89 |
| 1156 | 24.2571 |

| | |
|---|---|
| 1157 | 25.28 |
| 1158 | 26.7556 |
| 1159 | 27.2667 |
| 1160 | 28.5 |
| 1161 | 28.6 |
| 1162 | 29.0125 |
| 1163 | 33.2571 |
| 1164 | 33.6 |
| 1165 | 36.9 |
| 1166 | 37.2 |
| 1167 | 39.1667 |
| 1168 | 42.36 |
| 1169 | 50 |
| 1170 | 51.2 |
| 1171 | 51.6 |
| 1172 | 68.9 |
| 1173 | 80.5333 |
| 1174 | 117.8 |
| 1175 | 157.4 |
| 1176 | 184.4 |

Sen's Estimator (Median Q) is 0.112698

| Tied Group | Value | Members |
|---|---|---|
| 1 | 16 | 2 |
| 2 | 15 | 2 |
| 3 | 36 | 2 |
| 4 | 14.4 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/19/2014 | 1 |
| 9/30/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |

| | |
|---|---|
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 72
B = 0
C = 0
D = 0
E = 8
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13454.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.793
M1 = (1176 - 190.793)/2.0 = 492.603
M2 = (1176 + 190.793)/2.0 + 1 = 684.397
Lower limit is -0.0428571 = Q(493)
Upper limit is 0.333333 = Q(684)
-0.0428571 < 0 < 0.333333 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: RC 2
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 12 (5/8/2013) | 14 (3/12/2013) | (12 - 14)/(2 - 1) | -2 |
| 6.3 (9/23/2013) | 14 (3/12/2013) | (6.3 - 14)/(3 - 1) | -3.85 |
| 10 (12/10/2013) | 14 (3/12/2013) | (10 - 14)/(4 - 1) | -1.33333 |
| 9.6 (2/6/2014) | 14 (3/12/2013) | (9.6 - 14)/(5 - 1) | -1.1 |
| 7.2 (6/26/2014) | 14 (3/12/2013) | (7.2 - 14)/(6 - 1) | -1.36 |
| 2.5 (9/30/2014) | 14 (3/12/2013) | (2.5 - 14)/(7 - 1) | -1.91667 |
| 11 (11/19/2014) | 14 (3/12/2013) | (11 - 14)/(8 - 1) | -0.428571 |
| 18 (3/23/2015) | 14 (3/12/2013) | (18 - 14)/(9 - 1) | 0.5 |
| 4.8 (4/22/2015) | 14 (3/12/2013) | (4.8 - 14)/(10 - 1) | -1.02222 |
| 4.6 (9/30/2015) | 14 (3/12/2013) | (4.6 - 14)/(11 - 1) | -0.94 |
| 14.4 (11/19/2015) | 14 (3/12/2013) | (14.4 - 14)/(12 - 1) | 0.0363636 |
| 6 (3/15/2016) | 14 (3/12/2013) | (6 - 14)/(13 - 1) | -0.666667 |
| 10.9 (6/29/2016) | 14 (3/12/2013) | (10.9 - 14)/(14 - 1) | -0.238462 |
| 9.9 (8/9/2016) | 14 (3/12/2013) | (9.9 - 14)/(15 - 1) | -0.292857 |
| 11.9 (12/7/2016) | 14 (3/12/2013) | (11.9 - 14)/(16 - 1) | -0.14 |
| 8 (3/2/2017) | 14 (3/12/2013) | (8 - 14)/(17 - 1) | -0.375 |
| 12.3 (6/21/2017) | 14 (3/12/2013) | (12.3 - 14)/(18 - 1) | -0.1 |
| 72.2 (8/17/2017) | 14 (3/12/2013) | (72.2 - 14)/(19 - 1) | 3.23333 |
| 17.5 (10/26/2017) | 14 (3/12/2013) | (17.5 - 14)/(20 - 1) | 0.184211 |
| 12.5 (3/27/2018) | 14 (3/12/2013) | (12.5 - 14)/(21 - 1) | -0.075 |
| 13 (6/26/2018) | 14 (3/12/2013) | (13 - 14)/(22 - 1) | -0.047619 |
| 84.4 (8/1/2018) | 14 (3/12/2013) | (84.4 - 14)/(23 - 1) | 3.2 |
| 3.1 (12/11/2018) | 14 (3/12/2013) | (3.1 - 14)/(24 - 1) | -0.473913 |
| ND<5 U (4/17/2019) | 14 (3/12/2013) | (5 - 14)/(25 - 1) | -0.375 |
| 5.2 (6/11/2019) | 14 (3/12/2013) | (5.2 - 14)/(26 - 1) | -0.352 |
| 4.8 (8/28/2019) | 14 (3/12/2013) | (4.8 - 14)/(27 - 1) | -0.353846 |
| 3.4 (10/28/2019) | 14 (3/12/2013) | (3.4 - 14)/(28 - 1) | -0.392593 |
| 90 (3/31/2020) | 14 (3/12/2013) | (90 - 14)/(29 - 1) | 2.71429 |
| 10.8 (6/10/2020) | 14 (3/12/2013) | (10.8 - 14)/(30 - 1) | -0.110345 |
| 5.2 (9/21/2020) | 14 (3/12/2013) | (5.2 - 14)/(31 - 1) | -0.293333 |
| 5.4 (12/17/2020) | 14 (3/12/2013) | (5.4 - 14)/(32 - 1) | -0.277419 |
| 26.8 (3/18/2021) | 14 (3/12/2013) | (26.8 - 14)/(33 - 1) | 0.4 |
| 15.6 (5/5/2021) | 14 (3/12/2013) | (15.6 - 14)/(34 - 1) | 0.0484848 |
| 3.4 (9/2/2021) | 14 (3/12/2013) | (3.4 - 14)/(35 - 1) | -0.311765 |
| 19.2 (11/23/2021) | 14 (3/12/2013) | (19.2 - 14)/(36 - 1) | 0.148571 |
| 9 (1/10/2022) | 14 (3/12/2013) | (9 - 14)/(37 - 1) | -0.138889 |
| 5 (4/7/2022) | 14 (3/12/2013) | (5 - 14)/(38 - 1) | -0.243243 |
| 13.8 (8/3/2022) | 14 (3/12/2013) | (13.8 - 14)/(39 - 1) | -0.00526316 |
| 13.4 (11/16/2022) | 14 (3/12/2013) | (13.4 - 14)/(40 - 1) | -0.0153846 |
| 5.3 (2/13/2023) | 14 (3/12/2013) | (5.3 - 14)/(41 - 1) | -0.2175 |
| 5.3 (5/24/2023) | 14 (3/12/2013) | (5.3 - 14)/(42 - 1) | -0.212195 |
| 6.2 (8/7/2023) | 14 (3/12/2013) | (6.2 - 14)/(43 - 1) | -0.185714 |
| 6.6 (12/12/2023) | 14 (3/12/2013) | (6.6 - 14)/(44 - 1) | -0.172093 |
| 15.2 (1/10/2024) | 14 (3/12/2013) | (15.2 - 14)/(45 - 1) | 0.0272727 |
| 11.7 (5/20/2024) | 14 (3/12/2013) | (11.7 - 14)/(46 - 1) | -0.0511111 |
| 6.13 (9/16/2024) | 14 (3/12/2013) | (6.13 - 14)/(47 - 1) | -0.171087 |
| 18.2 (12/11/2024) | 14 (3/12/2013) | (18.2 - 14)/(48 - 1) | 0.0893617 |
| 6.4 (2/18/2025) | 14 (3/12/2013) | (6.4 - 14)/(49 - 1) | -0.158333 |

| | | | |
|---|---|---|---|
| 6.3 (9/23/2013) | 12 (5/8/2013) | (6.3 - 12)/(3 - 2) | -5.7 |
| 10 (12/10/2013) | 12 (5/8/2013) | (10 - 12)/(4 - 2) | -1 |
| 9.6 (2/6/2014) | 12 (5/8/2013) | (9.6 - 12)/(5 - 2) | -0.8 |
| 7.2 (6/26/2014) | 12 (5/8/2013) | (7.2 - 12)/(6 - 2) | -1.2 |
| 2.5 (9/30/2014) | 12 (5/8/2013) | (2.5 - 12)/(7 - 2) | -1.9 |
| 11 (11/19/2014) | 12 (5/8/2013) | (11 - 12)/(8 - 2) | -0.166667 |
| 18 (3/23/2015) | 12 (5/8/2013) | (18 - 12)/(9 - 2) | 0.857143 |
| 4.8 (4/22/2015) | 12 (5/8/2013) | (4.8 - 12)/(10 - 2) | -0.9 |
| 4.6 (9/30/2015) | 12 (5/8/2013) | (4.6 - 12)/(11 - 2) | -0.822222 |
| 14.4 (11/19/2015) | 12 (5/8/2013) | (14.4 - 12)/(12 - 2) | 0.24 |
| 6 (3/15/2016) | 12 (5/8/2013) | (6 - 12)/(13 - 2) | -0.545455 |
| 10.9 (6/29/2016) | 12 (5/8/2013) | (10.9 - 12)/(14 - 2) | -0.0916667 |
| 9.9 (8/9/2016) | 12 (5/8/2013) | (9.9 - 12)/(15 - 2) | -0.161538 |
| 11.9 (12/7/2016) | 12 (5/8/2013) | (11.9 - 12)/(16 - 2) | -0.00714286 |
| 8 (3/2/2017) | 12 (5/8/2013) | (8 - 12)/(17 - 2) | -0.266667 |
| 12.3 (6/21/2017) | 12 (5/8/2013) | (12.3 - 12)/(18 - 2) | 0.01875 |
| 72.2 (8/17/2017) | 12 (5/8/2013) | (72.2 - 12)/(19 - 2) | 3.54118 |
| 17.5 (10/26/2017) | 12 (5/8/2013) | (17.5 - 12)/(20 - 2) | 0.305556 |
| 12.5 (3/27/2018) | 12 (5/8/2013) | (12.5 - 12)/(21 - 2) | 0.0263158 |
| 13 (6/26/2018) | 12 (5/8/2013) | (13 - 12)/(22 - 2) | 0.05 |
| 84.4 (8/1/2018) | 12 (5/8/2013) | (84.4 - 12)/(23 - 2) | 3.44762 |
| 3.1 (12/11/2018) | 12 (5/8/2013) | (3.1 - 12)/(24 - 2) | -0.404545 |
| ND<5 U (4/17/2019) | 12 (5/8/2013) | (5 - 12)/(25 - 2) | -0.304348 |
| 5.2 (6/11/2019) | 12 (5/8/2013) | (5.2 - 12)/(26 - 2) | -0.283333 |
| 4.8 (8/28/2019) | 12 (5/8/2013) | (4.8 - 12)/(27 - 2) | -0.288 |
| 3.4 (10/28/2019) | 12 (5/8/2013) | (3.4 - 12)/(28 - 2) | -0.330769 |
| 90 (3/31/2020) | 12 (5/8/2013) | (90 - 12)/(29 - 2) | 2.88889 |
| 10.8 (6/10/2020) | 12 (5/8/2013) | (10.8 - 12)/(30 - 2) | -0.0428571 |
| 5.2 (9/21/2020) | 12 (5/8/2013) | (5.2 - 12)/(31 - 2) | -0.234483 |
| 5.4 (12/17/2020) | 12 (5/8/2013) | (5.4 - 12)/(32 - 2) | -0.22 |
| 26.8 (3/18/2021) | 12 (5/8/2013) | (26.8 - 12)/(33 - 2) | 0.477419 |
| 15.6 (5/5/2021) | 12 (5/8/2013) | (15.6 - 12)/(34 - 2) | 0.1125 |
| 3.4 (9/2/2021) | 12 (5/8/2013) | (3.4 - 12)/(35 - 2) | -0.260606 |
| 19.2 (11/23/2021) | 12 (5/8/2013) | (19.2 - 12)/(36 - 2) | 0.211765 |
| 9 (1/10/2022) | 12 (5/8/2013) | (9 - 12)/(37 - 2) | -0.0857143 |
| 5 (4/7/2022) | 12 (5/8/2013) | (5 - 12)/(38 - 2) | -0.194444 |
| 13.8 (8/3/2022) | 12 (5/8/2013) | (13.8 - 12)/(39 - 2) | 0.0486486 |
| 13.4 (11/16/2022) | 12 (5/8/2013) | (13.4 - 12)/(40 - 2) | 0.0368421 |
| 5.3 (2/13/2023) | 12 (5/8/2013) | (5.3 - 12)/(41 - 2) | -0.171795 |
| 5.3 (5/24/2023) | 12 (5/8/2013) | (5.3 - 12)/(42 - 2) | -0.1675 |
| 6.2 (8/7/2023) | 12 (5/8/2013) | (6.2 - 12)/(43 - 2) | -0.141463 |
| 6.6 (12/12/2023) | 12 (5/8/2013) | (6.6 - 12)/(44 - 2) | -0.128571 |
| 15.2 (1/10/2024) | 12 (5/8/2013) | (15.2 - 12)/(45 - 2) | 0.0744186 |
| 11.7 (5/20/2024) | 12 (5/8/2013) | (11.7 - 12)/(46 - 2) | -0.00681818 |
| 6.13 (9/16/2024) | 12 (5/8/2013) | (6.13 - 12)/(47 - 2) | -0.130444 |
| 18.2 (12/11/2024) | 12 (5/8/2013) | (18.2 - 12)/(48 - 2) | 0.134783 |
| 6.4 (2/18/2025) | 12 (5/8/2013) | (6.4 - 12)/(49 - 2) | -0.119149 |
| | | | |
| 10 (12/10/2013) | 6.3 (9/23/2013) | (10 - 6.3)/(4 - 3) | 3.7 |
| 9.6 (2/6/2014) | 6.3 (9/23/2013) | (9.6 - 6.3)/(5 - 3) | 1.65 |
| 7.2 (6/26/2014) | 6.3 (9/23/2013) | (7.2 - 6.3)/(6 - 3) | 0.3 |
| 2.5 (9/30/2014) | 6.3 (9/23/2013) | (2.5 - 6.3)/(7 - 3) | -0.95 |
| 11 (11/19/2014) | 6.3 (9/23/2013) | (11 - 6.3)/(8 - 3) | 0.94 |
| 18 (3/23/2015) | 6.3 (9/23/2013) | (18 - 6.3)/(9 - 3) | 1.95 |
| 4.8 (4/22/2015) | 6.3 (9/23/2013) | (4.8 - 6.3)/(10 - 3) | -0.214286 |
| 4.6 (9/30/2015) | 6.3 (9/23/2013) | (4.6 - 6.3)/(11 - 3) | -0.2125 |

| | | | |
|---|---|---|---|
| 14.4 (11/19/2015) | 6.3 (9/23/2013) | (14.4 - 6.3)/(12 - 3) | 0.9 |
| 6 (3/15/2016) | 6.3 (9/23/2013) | (6 - 6.3)/(13 - 3) | -0.03 |
| 10.9 (6/29/2016) | 6.3 (9/23/2013) | (10.9 - 6.3)/(14 - 3) | 0.418182 |
| 9.9 (8/9/2016) | 6.3 (9/23/2013) | (9.9 - 6.3)/(15 - 3) | 0.3 |
| 11.9 (12/7/2016) | 6.3 (9/23/2013) | (11.9 - 6.3)/(16 - 3) | 0.430769 |
| 8 (3/2/2017) | 6.3 (9/23/2013) | (8 - 6.3)/(17 - 3) | 0.121429 |
| 12.3 (6/21/2017) | 6.3 (9/23/2013) | (12.3 - 6.3)/(18 - 3) | 0.4 |
| 72.2 (8/17/2017) | 6.3 (9/23/2013) | (72.2 - 6.3)/(19 - 3) | 4.11875 |
| 17.5 (10/26/2017) | 6.3 (9/23/2013) | (17.5 - 6.3)/(20 - 3) | 0.658824 |
| 12.5 (3/27/2018) | 6.3 (9/23/2013) | (12.5 - 6.3)/(21 - 3) | 0.344444 |
| 13 (6/26/2018) | 6.3 (9/23/2013) | (13 - 6.3)/(22 - 3) | 0.352632 |
| 84.4 (8/1/2018) | 6.3 (9/23/2013) | (84.4 - 6.3)/(23 - 3) | 3.905 |
| 3.1 (12/11/2018) | 6.3 (9/23/2013) | (3.1 - 6.3)/(24 - 3) | -0.152381 |
| ND<5 U (4/17/2019) | 6.3 (9/23/2013) | (5 - 6.3)/(25 - 3) | -0.0590909 |
| 5.2 (6/11/2019) | 6.3 (9/23/2013) | (5.2 - 6.3)/(26 - 3) | -0.0478261 |
| 4.8 (8/28/2019) | 6.3 (9/23/2013) | (4.8 - 6.3)/(27 - 3) | -0.0625 |
| 3.4 (10/28/2019) | 6.3 (9/23/2013) | (3.4 - 6.3)/(28 - 3) | -0.116 |
| 90 (3/31/2020) | 6.3 (9/23/2013) | (90 - 6.3)/(29 - 3) | 3.21923 |
| 10.8 (6/10/2020) | 6.3 (9/23/2013) | (10.8 - 6.3)/(30 - 3) | 0.166667 |
| 5.2 (9/21/2020) | 6.3 (9/23/2013) | (5.2 - 6.3)/(31 - 3) | -0.0392857 |
| 5.4 (12/17/2020) | 6.3 (9/23/2013) | (5.4 - 6.3)/(32 - 3) | -0.0310345 |
| 26.8 (3/18/2021) | 6.3 (9/23/2013) | (26.8 - 6.3)/(33 - 3) | 0.683333 |
| 15.6 (5/5/2021) | 6.3 (9/23/2013) | (15.6 - 6.3)/(34 - 3) | 0.3 |
| 3.4 (9/2/2021) | 6.3 (9/23/2013) | (3.4 - 6.3)/(35 - 3) | -0.090625 |
| 19.2 (11/23/2021) | 6.3 (9/23/2013) | (19.2 - 6.3)/(36 - 3) | 0.390909 |
| 9 (1/10/2022) | 6.3 (9/23/2013) | (9 - 6.3)/(37 - 3) | 0.0794118 |
| 5 (4/7/2022) | 6.3 (9/23/2013) | (5 - 6.3)/(38 - 3) | -0.0371429 |
| 13.8 (8/3/2022) | 6.3 (9/23/2013) | (13.8 - 6.3)/(39 - 3) | 0.208333 |
| 13.4 (11/16/2022) | 6.3 (9/23/2013) | (13.4 - 6.3)/(40 - 3) | 0.191892 |
| 5.3 (2/13/2023) | 6.3 (9/23/2013) | (5.3 - 6.3)/(41 - 3) | -0.0263158 |
| 5.3 (5/24/2023) | 6.3 (9/23/2013) | (5.3 - 6.3)/(42 - 3) | -0.025641 |
| 6.2 (8/7/2023) | 6.3 (9/23/2013) | (6.2 - 6.3)/(43 - 3) | -0.0025 |
| 6.6 (12/12/2023) | 6.3 (9/23/2013) | (6.6 - 6.3)/(44 - 3) | 0.00731707 |
| 15.2 (1/10/2024) | 6.3 (9/23/2013) | (15.2 - 6.3)/(45 - 3) | 0.211905 |
| 11.7 (5/20/2024) | 6.3 (9/23/2013) | (11.7 - 6.3)/(46 - 3) | 0.125581 |
| 6.13 (9/16/2024) | 6.3 (9/23/2013) | (6.13 - 6.3)/(47 - 3) | -0.00386364 |
| 18.2 (12/11/2024) | 6.3 (9/23/2013) | (18.2 - 6.3)/(48 - 3) | 0.264444 |
| 6.4 (2/18/2025) | 6.3 (9/23/2013) | (6.4 - 6.3)/(49 - 3) | 0.00217391 |
| | | | |
| 9.6 (2/6/2014) | 10 (12/10/2013) | (9.6 - 10)/(5 - 4) | -0.4 |
| 7.2 (6/26/2014) | 10 (12/10/2013) | (7.2 - 10)/(6 - 4) | -1.4 |
| 2.5 (9/30/2014) | 10 (12/10/2013) | (2.5 - 10)/(7 - 4) | -2.5 |
| 11 (11/19/2014) | 10 (12/10/2013) | (11 - 10)/(8 - 4) | 0.25 |
| 18 (3/23/2015) | 10 (12/10/2013) | (18 - 10)/(9 - 4) | 1.6 |
| 4.8 (4/22/2015) | 10 (12/10/2013) | (4.8 - 10)/(10 - 4) | -0.866667 |
| 4.6 (9/30/2015) | 10 (12/10/2013) | (4.6 - 10)/(11 - 4) | -0.771429 |
| 14.4 (11/19/2015) | 10 (12/10/2013) | (14.4 - 10)/(12 - 4) | 0.55 |
| 6 (3/15/2016) | 10 (12/10/2013) | (6 - 10)/(13 - 4) | -0.444444 |
| 10.9 (6/29/2016) | 10 (12/10/2013) | (10.9 - 10)/(14 - 4) | 0.09 |
| 9.9 (8/9/2016) | 10 (12/10/2013) | (9.9 - 10)/(15 - 4) | -0.00909091 |
| 11.9 (12/7/2016) | 10 (12/10/2013) | (11.9 - 10)/(16 - 4) | 0.158333 |
| 8 (3/2/2017) | 10 (12/10/2013) | (8 - 10)/(17 - 4) | -0.153846 |
| 12.3 (6/21/2017) | 10 (12/10/2013) | (12.3 - 10)/(18 - 4) | 0.164286 |
| 72.2 (8/17/2017) | 10 (12/10/2013) | (72.2 - 10)/(19 - 4) | 4.14667 |
| 17.5 (10/26/2017) | 10 (12/10/2013) | (17.5 - 10)/(20 - 4) | 0.46875 |
| 12.5 (3/27/2018) | 10 (12/10/2013) | (12.5 - 10)/(21 - 4) | 0.147059 |
| 13 (6/26/2018) | 10 (12/10/2013) | (13 - 10)/(22 - 4) | 0.166667 |

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|---|---|---|---|
| 84.4 (8/1/2018) | 10 (12/10/2013) | (84.4 - 10)/(23 - 4) | 3.91579 |
| 3.1 (12/11/2018) | 10 (12/10/2013) | (3.1 - 10)/(24 - 4) | -0.345 |
| ND<5 U (4/17/2019) | 10 (12/10/2013) | (5 - 10)/(25 - 4) | -0.238095 |
| 5.2 (6/11/2019) | 10 (12/10/2013) | (5.2 - 10)/(26 - 4) | -0.218182 |
| 4.8 (8/28/2019) | 10 (12/10/2013) | (4.8 - 10)/(27 - 4) | -0.226087 |
| 3.4 (10/28/2019) | 10 (12/10/2013) | (3.4 - 10)/(28 - 4) | -0.275 |
| 90 (3/31/2020) | 10 (12/10/2013) | (90 - 10)/(29 - 4) | 3.2 |
| 10.8 (6/10/2020) | 10 (12/10/2013) | (10.8 - 10)/(30 - 4) | 0.0307692 |
| 5.2 (9/21/2020) | 10 (12/10/2013) | (5.2 - 10)/(31 - 4) | -0.177778 |
| 5.4 (12/17/2020) | 10 (12/10/2013) | (5.4 - 10)/(32 - 4) | -0.164286 |
| 26.8 (3/18/2021) | 10 (12/10/2013) | (26.8 - 10)/(33 - 4) | 0.57931 |
| 15.6 (5/5/2021) | 10 (12/10/2013) | (15.6 - 10)/(34 - 4) | 0.186667 |
| 3.4 (9/2/2021) | 10 (12/10/2013) | (3.4 - 10)/(35 - 4) | -0.212903 |
| 19.2 (11/23/2021) | 10 (12/10/2013) | (19.2 - 10)/(36 - 4) | 0.2875 |
| 9 (1/10/2022) | 10 (12/10/2013) | (9 - 10)/(37 - 4) | -0.030303 |
| 5 (4/7/2022) | 10 (12/10/2013) | (5 - 10)/(38 - 4) | -0.147059 |
| 13.8 (8/3/2022) | 10 (12/10/2013) | (13.8 - 10)/(39 - 4) | 0.108571 |
| 13.4 (11/16/2022) | 10 (12/10/2013) | (13.4 - 10)/(40 - 4) | 0.0944444 |
| 5.3 (2/13/2023) | 10 (12/10/2013) | (5.3 - 10)/(41 - 4) | -0.127027 |
| 5.3 (5/24/2023) | 10 (12/10/2013) | (5.3 - 10)/(42 - 4) | -0.123684 |
| 6.2 (8/7/2023) | 10 (12/10/2013) | (6.2 - 10)/(43 - 4) | -0.0974359 |
| 6.6 (12/12/2023) | 10 (12/10/2013) | (6.6 - 10)/(44 - 4) | -0.085 |
| 15.2 (1/10/2024) | 10 (12/10/2013) | (15.2 - 10)/(45 - 4) | 0.126829 |
| 11.7 (5/20/2024) | 10 (12/10/2013) | (11.7 - 10)/(46 - 4) | 0.0404762 |
| 6.13 (9/16/2024) | 10 (12/10/2013) | (6.13 - 10)/(47 - 4) | -0.09 |
| 18.2 (12/11/2024) | 10 (12/10/2013) | (18.2 - 10)/(48 - 4) | 0.186364 |
| 6.4 (2/18/2025) | 10 (12/10/2013) | (6.4 - 10)/(49 - 4) | -0.08 |
| | | | |
| 7.2 (6/26/2014) | 9.6 (2/6/2014) | (7.2 - 9.6)/(6 - 5) | -2.4 |
| 2.5 (9/30/2014) | 9.6 (2/6/2014) | (2.5 - 9.6)/(7 - 5) | -3.55 |
| 11 (11/19/2014) | 9.6 (2/6/2014) | (11 - 9.6)/(8 - 5) | 0.466667 |
| 18 (3/23/2015) | 9.6 (2/6/2014) | (18 - 9.6)/(9 - 5) | 2.1 |
| 4.8 (4/22/2015) | 9.6 (2/6/2014) | (4.8 - 9.6)/(10 - 5) | -0.96 |
| 4.6 (9/30/2015) | 9.6 (2/6/2014) | (4.6 - 9.6)/(11 - 5) | -0.833333 |
| 14.4 (11/19/2015) | 9.6 (2/6/2014) | (14.4 - 9.6)/(12 - 5) | 0.685714 |
| 6 (3/15/2016) | 9.6 (2/6/2014) | (6 - 9.6)/(13 - 5) | -0.45 |
| 10.9 (6/29/2016) | 9.6 (2/6/2014) | (10.9 - 9.6)/(14 - 5) | 0.144444 |
| 9.9 (8/9/2016) | 9.6 (2/6/2014) | (9.9 - 9.6)/(15 - 5) | 0.03 |
| 11.9 (12/7/2016) | 9.6 (2/6/2014) | (11.9 - 9.6)/(16 - 5) | 0.209091 |
| 8 (3/2/2017) | 9.6 (2/6/2014) | (8 - 9.6)/(17 - 5) | -0.133333 |
| 12.3 (6/21/2017) | 9.6 (2/6/2014) | (12.3 - 9.6)/(18 - 5) | 0.207692 |
| 72.2 (8/17/2017) | 9.6 (2/6/2014) | (72.2 - 9.6)/(19 - 5) | 4.47143 |
| 17.5 (10/26/2017) | 9.6 (2/6/2014) | (17.5 - 9.6)/(20 - 5) | 0.526667 |
| 12.5 (3/27/2018) | 9.6 (2/6/2014) | (12.5 - 9.6)/(21 - 5) | 0.18125 |
| 13 (6/26/2018) | 9.6 (2/6/2014) | (13 - 9.6)/(22 - 5) | 0.2 |
| 84.4 (8/1/2018) | 9.6 (2/6/2014) | (84.4 - 9.6)/(23 - 5) | 4.15556 |
| 3.1 (12/11/2018) | 9.6 (2/6/2014) | (3.1 - 9.6)/(24 - 5) | -0.342105 |
| ND<5 U (4/17/2019) | 9.6 (2/6/2014) | (5 - 9.6)/(25 - 5) | -0.23 |
| 5.2 (6/11/2019) | 9.6 (2/6/2014) | (5.2 - 9.6)/(26 - 5) | -0.209524 |
| 4.8 (8/28/2019) | 9.6 (2/6/2014) | (4.8 - 9.6)/(27 - 5) | -0.218182 |
| 3.4 (10/28/2019) | 9.6 (2/6/2014) | (3.4 - 9.6)/(28 - 5) | -0.269565 |
| 90 (3/31/2020) | 9.6 (2/6/2014) | (90 - 9.6)/(29 - 5) | 3.35 |
| 10.8 (6/10/2020) | 9.6 (2/6/2014) | (10.8 - 9.6)/(30 - 5) | 0.048 |
| 5.2 (9/21/2020) | 9.6 (2/6/2014) | (5.2 - 9.6)/(31 - 5) | -0.169231 |
| 5.4 (12/17/2020) | 9.6 (2/6/2014) | (5.4 - 9.6)/(32 - 5) | -0.155556 |
| 26.8 (3/18/2021) | 9.6 (2/6/2014) | (26.8 - 9.6)/(33 - 5) | 0.614286 |
| 15.6 (5/5/2021) | 9.6 (2/6/2014) | (15.6 - 9.6)/(34 - 5) | 0.206897 |

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|---|---|---|---|
| 3.4 (9/2/2021) | 9.6 (2/6/2014) | (3.4 - 9.6)/(35 - 5) | -0.206667 |
| 19.2 (11/23/2021) | 9.6 (2/6/2014) | (19.2 - 9.6)/(36 - 5) | 0.309677 |
| 9 (1/10/2022) | 9.6 (2/6/2014) | (9 - 9.6)/(37 - 5) | -0.01875 |
| 5 (4/7/2022) | 9.6 (2/6/2014) | (5 - 9.6)/(38 - 5) | -0.139394 |
| 13.8 (8/3/2022) | 9.6 (2/6/2014) | (13.8 - 9.6)/(39 - 5) | 0.123529 |
| 13.4 (11/16/2022) | 9.6 (2/6/2014) | (13.4 - 9.6)/(40 - 5) | 0.108571 |
| 5.3 (2/13/2023) | 9.6 (2/6/2014) | (5.3 - 9.6)/(41 - 5) | -0.119444 |
| 5.3 (5/24/2023) | 9.6 (2/6/2014) | (5.3 - 9.6)/(42 - 5) | -0.116216 |
| 6.2 (8/7/2023) | 9.6 (2/6/2014) | (6.2 - 9.6)/(43 - 5) | -0.0894737 |
| 6.6 (12/12/2023) | 9.6 (2/6/2014) | (6.6 - 9.6)/(44 - 5) | -0.0769231 |
| 15.2 (1/10/2024) | 9.6 (2/6/2014) | (15.2 - 9.6)/(45 - 5) | 0.14 |
| 11.7 (5/20/2024) | 9.6 (2/6/2014) | (11.7 - 9.6)/(46 - 5) | 0.0512195 |
| 6.13 (9/16/2024) | 9.6 (2/6/2014) | (6.13 - 9.6)/(47 - 5) | -0.082619 |
| 18.2 (12/11/2024) | 9.6 (2/6/2014) | (18.2 - 9.6)/(48 - 5) | 0.2 |
| 6.4 (2/18/2025) | 9.6 (2/6/2014) | (6.4 - 9.6)/(49 - 5) | -0.0727273 |
| | | | |
| 2.5 (9/30/2014) | 7.2 (6/26/2014) | (2.5 - 7.2)/(7 - 6) | -4.7 |
| 11 (11/19/2014) | 7.2 (6/26/2014) | (11 - 7.2)/(8 - 6) | 1.9 |
| 18 (3/23/2015) | 7.2 (6/26/2014) | (18 - 7.2)/(9 - 6) | 3.6 |
| 4.8 (4/22/2015) | 7.2 (6/26/2014) | (4.8 - 7.2)/(10 - 6) | -0.6 |
| 4.6 (9/30/2015) | 7.2 (6/26/2014) | (4.6 - 7.2)/(11 - 6) | -0.52 |
| 14.4 (11/19/2015) | 7.2 (6/26/2014) | (14.4 - 7.2)/(12 - 6) | 1.2 |
| 6 (3/15/2016) | 7.2 (6/26/2014) | (6 - 7.2)/(13 - 6) | -0.171429 |
| 10.9 (6/29/2016) | 7.2 (6/26/2014) | (10.9 - 7.2)/(14 - 6) | 0.4625 |
| 9.9 (8/9/2016) | 7.2 (6/26/2014) | (9.9 - 7.2)/(15 - 6) | 0.3 |
| 11.9 (12/7/2016) | 7.2 (6/26/2014) | (11.9 - 7.2)/(16 - 6) | 0.47 |
| 8 (3/2/2017) | 7.2 (6/26/2014) | (8 - 7.2)/(17 - 6) | 0.0727273 |
| 12.3 (6/21/2017) | 7.2 (6/26/2014) | (12.3 - 7.2)/(18 - 6) | 0.425 |
| 72.2 (8/17/2017) | 7.2 (6/26/2014) | (72.2 - 7.2)/(19 - 6) | 5 |
| 17.5 (10/26/2017) | 7.2 (6/26/2014) | (17.5 - 7.2)/(20 - 6) | 0.735714 |
| 12.5 (3/27/2018) | 7.2 (6/26/2014) | (12.5 - 7.2)/(21 - 6) | 0.353333 |
| 13 (6/26/2018) | 7.2 (6/26/2014) | (13 - 7.2)/(22 - 6) | 0.3625 |
| 84.4 (8/1/2018) | 7.2 (6/26/2014) | (84.4 - 7.2)/(23 - 6) | 4.54118 |
| 3.1 (12/11/2018) | 7.2 (6/26/2014) | (3.1 - 7.2)/(24 - 6) | -0.227778 |
| ND<5 U (4/17/2019) | 7.2 (6/26/2014) | (5 - 7.2)/(25 - 6) | -0.115789 |
| 5.2 (6/11/2019) | 7.2 (6/26/2014) | (5.2 - 7.2)/(26 - 6) | -0.1 |
| 4.8 (8/28/2019) | 7.2 (6/26/2014) | (4.8 - 7.2)/(27 - 6) | -0.114286 |
| 3.4 (10/28/2019) | 7.2 (6/26/2014) | (3.4 - 7.2)/(28 - 6) | -0.172727 |
| 90 (3/31/2020) | 7.2 (6/26/2014) | (90 - 7.2)/(29 - 6) | 3.6 |
| 10.8 (6/10/2020) | 7.2 (6/26/2014) | (10.8 - 7.2)/(30 - 6) | 0.15 |
| 5.2 (9/21/2020) | 7.2 (6/26/2014) | (5.2 - 7.2)/(31 - 6) | -0.08 |
| 5.4 (12/17/2020) | 7.2 (6/26/2014) | (5.4 - 7.2)/(32 - 6) | -0.0692308 |
| 26.8 (3/18/2021) | 7.2 (6/26/2014) | (26.8 - 7.2)/(33 - 6) | 0.725926 |
| 15.6 (5/5/2021) | 7.2 (6/26/2014) | (15.6 - 7.2)/(34 - 6) | 0.3 |
| 3.4 (9/2/2021) | 7.2 (6/26/2014) | (3.4 - 7.2)/(35 - 6) | -0.131034 |
| 19.2 (11/23/2021) | 7.2 (6/26/2014) | (19.2 - 7.2)/(36 - 6) | 0.4 |
| 9 (1/10/2022) | 7.2 (6/26/2014) | (9 - 7.2)/(37 - 6) | 0.0580645 |
| 5 (4/7/2022) | 7.2 (6/26/2014) | (5 - 7.2)/(38 - 6) | -0.06875 |
| 13.8 (8/3/2022) | 7.2 (6/26/2014) | (13.8 - 7.2)/(39 - 6) | 0.2 |
| 13.4 (11/16/2022) | 7.2 (6/26/2014) | (13.4 - 7.2)/(40 - 6) | 0.182353 |
| 5.3 (2/13/2023) | 7.2 (6/26/2014) | (5.3 - 7.2)/(41 - 6) | -0.0542857 |
| 5.3 (5/24/2023) | 7.2 (6/26/2014) | (5.3 - 7.2)/(42 - 6) | -0.0527778 |
| 6.2 (8/7/2023) | 7.2 (6/26/2014) | (6.2 - 7.2)/(43 - 6) | -0.027027 |
| 6.6 (12/12/2023) | 7.2 (6/26/2014) | (6.6 - 7.2)/(44 - 6) | -0.0157895 |
| 15.2 (1/10/2024) | 7.2 (6/26/2014) | (15.2 - 7.2)/(45 - 6) | 0.205128 |
| 11.7 (5/20/2024) | 7.2 (6/26/2014) | (11.7 - 7.2)/(46 - 6) | 0.1125 |
| 6.13 (9/16/2024) | 7.2 (6/26/2014) | (6.13 - 7.2)/(47 - 6) | -0.0260976 |

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|---|---|---|---|
| 18.2 (12/11/2024) | 7.2 (6/26/2014) | (18.2 - 7.2)/(48 - 6) | 0.261905 |
| 6.4 (2/18/2025) | 7.2 (6/26/2014) | (6.4 - 7.2)/(49 - 6) | -0.0186047 |
| | | | |
| 11 (11/19/2014) | 2.5 (9/30/2014) | (11 - 2.5)/(8 - 7) | 8.5 |
| 18 (3/23/2015) | 2.5 (9/30/2014) | (18 - 2.5)/(9 - 7) | 7.75 |
| 4.8 (4/22/2015) | 2.5 (9/30/2014) | (4.8 - 2.5)/(10 - 7) | 0.766667 |
| 4.6 (9/30/2015) | 2.5 (9/30/2014) | (4.6 - 2.5)/(11 - 7) | 0.525 |
| 14.4 (11/19/2015) | 2.5 (9/30/2014) | (14.4 - 2.5)/(12 - 7) | 2.38 |
| 6 (3/15/2016) | 2.5 (9/30/2014) | (6 - 2.5)/(13 - 7) | 0.583333 |
| 10.9 (6/29/2016) | 2.5 (9/30/2014) | (10.9 - 2.5)/(14 - 7) | 1.2 |
| 9.9 (8/9/2016) | 2.5 (9/30/2014) | (9.9 - 2.5)/(15 - 7) | 0.925 |
| 11.9 (12/7/2016) | 2.5 (9/30/2014) | (11.9 - 2.5)/(16 - 7) | 1.04444 |
| 8 (3/2/2017) | 2.5 (9/30/2014) | (8 - 2.5)/(17 - 7) | 0.55 |
| 12.3 (6/21/2017) | 2.5 (9/30/2014) | (12.3 - 2.5)/(18 - 7) | 0.890909 |
| 72.2 (8/17/2017) | 2.5 (9/30/2014) | (72.2 - 2.5)/(19 - 7) | 5.80833 |
| 17.5 (10/26/2017) | 2.5 (9/30/2014) | (17.5 - 2.5)/(20 - 7) | 1.15385 |
| 12.5 (3/27/2018) | 2.5 (9/30/2014) | (12.5 - 2.5)/(21 - 7) | 0.714286 |
| 13 (6/26/2018) | 2.5 (9/30/2014) | (13 - 2.5)/(22 - 7) | 0.7 |
| 84.4 (8/1/2018) | 2.5 (9/30/2014) | (84.4 - 2.5)/(23 - 7) | 5.11875 |
| 3.1 (12/11/2018) | 2.5 (9/30/2014) | (3.1 - 2.5)/(24 - 7) | 0.0352941 |
| ND<5 U (4/17/2019) | 2.5 (9/30/2014) | (5 - 2.5)/(25 - 7) | 0.138889 |
| 5.2 (6/11/2019) | 2.5 (9/30/2014) | (5.2 - 2.5)/(26 - 7) | 0.142105 |
| 4.8 (8/28/2019) | 2.5 (9/30/2014) | (4.8 - 2.5)/(27 - 7) | 0.115 |
| 3.4 (10/28/2019) | 2.5 (9/30/2014) | (3.4 - 2.5)/(28 - 7) | 0.0428571 |
| 90 (3/31/2020) | 2.5 (9/30/2014) | (90 - 2.5)/(29 - 7) | 3.97727 |
| 10.8 (6/10/2020) | 2.5 (9/30/2014) | (10.8 - 2.5)/(30 - 7) | 0.36087 |
| 5.2 (9/21/2020) | 2.5 (9/30/2014) | (5.2 - 2.5)/(31 - 7) | 0.1125 |
| 5.4 (12/17/2020) | 2.5 (9/30/2014) | (5.4 - 2.5)/(32 - 7) | 0.116 |
| 26.8 (3/18/2021) | 2.5 (9/30/2014) | (26.8 - 2.5)/(33 - 7) | 0.934615 |
| 15.6 (5/5/2021) | 2.5 (9/30/2014) | (15.6 - 2.5)/(34 - 7) | 0.485185 |
| 3.4 (9/2/2021) | 2.5 (9/30/2014) | (3.4 - 2.5)/(35 - 7) | 0.0321429 |
| 19.2 (11/23/2021) | 2.5 (9/30/2014) | (19.2 - 2.5)/(36 - 7) | 0.575862 |
| 9 (1/10/2022) | 2.5 (9/30/2014) | (9 - 2.5)/(37 - 7) | 0.216667 |
| 5 (4/7/2022) | 2.5 (9/30/2014) | (5 - 2.5)/(38 - 7) | 0.0806452 |
| 13.8 (8/3/2022) | 2.5 (9/30/2014) | (13.8 - 2.5)/(39 - 7) | 0.353125 |
| 13.4 (11/16/2022) | 2.5 (9/30/2014) | (13.4 - 2.5)/(40 - 7) | 0.330303 |
| 5.3 (2/13/2023) | 2.5 (9/30/2014) | (5.3 - 2.5)/(41 - 7) | 0.0823529 |
| 5.3 (5/24/2023) | 2.5 (9/30/2014) | (5.3 - 2.5)/(42 - 7) | 0.08 |
| 6.2 (8/7/2023) | 2.5 (9/30/2014) | (6.2 - 2.5)/(43 - 7) | 0.102778 |
| 6.6 (12/12/2023) | 2.5 (9/30/2014) | (6.6 - 2.5)/(44 - 7) | 0.110811 |
| 15.2 (1/10/2024) | 2.5 (9/30/2014) | (15.2 - 2.5)/(45 - 7) | 0.334211 |
| 11.7 (5/20/2024) | 2.5 (9/30/2014) | (11.7 - 2.5)/(46 - 7) | 0.235897 |
| 6.13 (9/16/2024) | 2.5 (9/30/2014) | (6.13 - 2.5)/(47 - 7) | 0.09075 |
| 18.2 (12/11/2024) | 2.5 (9/30/2014) | (18.2 - 2.5)/(48 - 7) | 0.382927 |
| 6.4 (2/18/2025) | 2.5 (9/30/2014) | (6.4 - 2.5)/(49 - 7) | 0.0928571 |
| | | | |
| 18 (3/23/2015) | 11 (11/19/2014) | (18 - 11)/(9 - 8) | 7 |
| 4.8 (4/22/2015) | 11 (11/19/2014) | (4.8 - 11)/(10 - 8) | -3.1 |
| 4.6 (9/30/2015) | 11 (11/19/2014) | (4.6 - 11)/(11 - 8) | -2.13333 |
| 14.4 (11/19/2015) | 11 (11/19/2014) | (14.4 - 11)/(12 - 8) | 0.85 |
| 6 (3/15/2016) | 11 (11/19/2014) | (6 - 11)/(13 - 8) | -1 |
| 10.9 (6/29/2016) | 11 (11/19/2014) | (10.9 - 11)/(14 - 8) | -0.0166667 |
| 9.9 (8/9/2016) | 11 (11/19/2014) | (9.9 - 11)/(15 - 8) | -0.157143 |
| 11.9 (12/7/2016) | 11 (11/19/2014) | (11.9 - 11)/(16 - 8) | 0.1125 |
| 8 (3/2/2017) | 11 (11/19/2014) | (8 - 11)/(17 - 8) | -0.333333 |
| 12.3 (6/21/2017) | 11 (11/19/2014) | (12.3 - 11)/(18 - 8) | 0.13 |
| 72.2 (8/17/2017) | 11 (11/19/2014) | (72.2 - 11)/(19 - 8) | 5.56364 |

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|---|---|---|---|
| 17.5 (10/26/2017) | 11 (11/19/2014) | (17.5 - 11)/(20 - 8) | 0.541667 |
| 12.5 (3/27/2018) | 11 (11/19/2014) | (12.5 - 11)/(21 - 8) | 0.115385 |
| 13 (6/26/2018) | 11 (11/19/2014) | (13 - 11)/(22 - 8) | 0.142857 |
| 84.4 (8/1/2018) | 11 (11/19/2014) | (84.4 - 11)/(23 - 8) | 4.89333 |
| 3.1 (12/11/2018) | 11 (11/19/2014) | (3.1 - 11)/(24 - 8) | -0.49375 |
| ND<5 U (4/17/2019) | 11 (11/19/2014) | (5 - 11)/(25 - 8) | -0.352941 |
| 5.2 (6/11/2019) | 11 (11/19/2014) | (5.2 - 11)/(26 - 8) | -0.322222 |
| 4.8 (8/28/2019) | 11 (11/19/2014) | (4.8 - 11)/(27 - 8) | -0.326316 |
| 3.4 (10/28/2019) | 11 (11/19/2014) | (3.4 - 11)/(28 - 8) | -0.38 |
| 90 (3/31/2020) | 11 (11/19/2014) | (90 - 11)/(29 - 8) | 3.7619 |
| 10.8 (6/10/2020) | 11 (11/19/2014) | (10.8 - 11)/(30 - 8) | -0.00909091 |
| 5.2 (9/21/2020) | 11 (11/19/2014) | (5.2 - 11)/(31 - 8) | -0.252174 |
| 5.4 (12/17/2020) | 11 (11/19/2014) | (5.4 - 11)/(32 - 8) | -0.233333 |
| 26.8 (3/18/2021) | 11 (11/19/2014) | (26.8 - 11)/(33 - 8) | 0.632 |
| 15.6 (5/5/2021) | 11 (11/19/2014) | (15.6 - 11)/(34 - 8) | 0.176923 |
| 3.4 (9/2/2021) | 11 (11/19/2014) | (3.4 - 11)/(35 - 8) | -0.281481 |
| 19.2 (11/23/2021) | 11 (11/19/2014) | (19.2 - 11)/(36 - 8) | 0.292857 |
| 9 (1/10/2022) | 11 (11/19/2014) | (9 - 11)/(37 - 8) | -0.0689655 |
| 5 (4/7/2022) | 11 (11/19/2014) | (5 - 11)/(38 - 8) | -0.2 |
| 13.8 (8/3/2022) | 11 (11/19/2014) | (13.8 - 11)/(39 - 8) | 0.0903226 |
| 13.4 (11/16/2022) | 11 (11/19/2014) | (13.4 - 11)/(40 - 8) | 0.075 |
| 5.3 (2/13/2023) | 11 (11/19/2014) | (5.3 - 11)/(41 - 8) | -0.172727 |
| 5.3 (5/24/2023) | 11 (11/19/2014) | (5.3 - 11)/(42 - 8) | -0.167647 |
| 6.2 (8/7/2023) | 11 (11/19/2014) | (6.2 - 11)/(43 - 8) | -0.137143 |
| 6.6 (12/12/2023) | 11 (11/19/2014) | (6.6 - 11)/(44 - 8) | -0.122222 |
| 15.2 (1/10/2024) | 11 (11/19/2014) | (15.2 - 11)/(45 - 8) | 0.113514 |
| 11.7 (5/20/2024) | 11 (11/19/2014) | (11.7 - 11)/(46 - 8) | 0.0184211 |
| 6.13 (9/16/2024) | 11 (11/19/2014) | (6.13 - 11)/(47 - 8) | -0.124872 |
| 18.2 (12/11/2024) | 11 (11/19/2014) | (18.2 - 11)/(48 - 8) | 0.18 |
| 6.4 (2/18/2025) | 11 (11/19/2014) | (6.4 - 11)/(49 - 8) | -0.112195 |

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|---|---|---|---|
| 4.8 (4/22/2015) | 18 (3/23/2015) | (4.8 - 18)/(10 - 9) | -13.2 |
| 4.6 (9/30/2015) | 18 (3/23/2015) | (4.6 - 18)/(11 - 9) | -6.7 |
| 14.4 (11/19/2015) | 18 (3/23/2015) | (14.4 - 18)/(12 - 9) | -1.2 |
| 6 (3/15/2016) | 18 (3/23/2015) | (6 - 18)/(13 - 9) | -3 |
| 10.9 (6/29/2016) | 18 (3/23/2015) | (10.9 - 18)/(14 - 9) | -1.42 |
| 9.9 (8/9/2016) | 18 (3/23/2015) | (9.9 - 18)/(15 - 9) | -1.35 |
| 11.9 (12/7/2016) | 18 (3/23/2015) | (11.9 - 18)/(16 - 9) | -0.871429 |
| 8 (3/2/2017) | 18 (3/23/2015) | (8 - 18)/(17 - 9) | -1.25 |
| 12.3 (6/21/2017) | 18 (3/23/2015) | (12.3 - 18)/(18 - 9) | -0.633333 |
| 72.2 (8/17/2017) | 18 (3/23/2015) | (72.2 - 18)/(19 - 9) | 5.42 |
| 17.5 (10/26/2017) | 18 (3/23/2015) | (17.5 - 18)/(20 - 9) | -0.0454545 |
| 12.5 (3/27/2018) | 18 (3/23/2015) | (12.5 - 18)/(21 - 9) | -0.458333 |
| 13 (6/26/2018) | 18 (3/23/2015) | (13 - 18)/(22 - 9) | -0.384615 |
| 84.4 (8/1/2018) | 18 (3/23/2015) | (84.4 - 18)/(23 - 9) | 4.74286 |
| 3.1 (12/11/2018) | 18 (3/23/2015) | (3.1 - 18)/(24 - 9) | -0.993333 |
| ND<5 U (4/17/2019) | 18 (3/23/2015) | (5 - 18)/(25 - 9) | -0.8125 |
| 5.2 (6/11/2019) | 18 (3/23/2015) | (5.2 - 18)/(26 - 9) | -0.752941 |
| 4.8 (8/28/2019) | 18 (3/23/2015) | (4.8 - 18)/(27 - 9) | -0.733333 |
| 3.4 (10/28/2019) | 18 (3/23/2015) | (3.4 - 18)/(28 - 9) | -0.768421 |
| 90 (3/31/2020) | 18 (3/23/2015) | (90 - 18)/(29 - 9) | 3.6 |
| 10.8 (6/10/2020) | 18 (3/23/2015) | (10.8 - 18)/(30 - 9) | -0.342857 |
| 5.2 (9/21/2020) | 18 (3/23/2015) | (5.2 - 18)/(31 - 9) | -0.581818 |
| 5.4 (12/17/2020) | 18 (3/23/2015) | (5.4 - 18)/(32 - 9) | -0.547826 |
| 26.8 (3/18/2021) | 18 (3/23/2015) | (26.8 - 18)/(33 - 9) | 0.366667 |
| 15.6 (5/5/2021) | 18 (3/23/2015) | (15.6 - 18)/(34 - 9) | -0.096 |
| 3.4 (9/2/2021) | 18 (3/23/2015) | (3.4 - 18)/(35 - 9) | -0.561538 |

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| 19.2 (11/23/2021) | 18 (3/23/2015) | (19.2 - 18)/(36 - 9) | 0.0444444 |
| 9 (1/10/2022) | 18 (3/23/2015) | (9 - 18)/(37 - 9) | -0.321429 |
| 5 (4/7/2022) | 18 (3/23/2015) | (5 - 18)/(38 - 9) | -0.448276 |
| 13.8 (8/3/2022) | 18 (3/23/2015) | (13.8 - 18)/(39 - 9) | -0.14 |
| 13.4 (11/16/2022) | 18 (3/23/2015) | (13.4 - 18)/(40 - 9) | -0.148387 |
| 5.3 (2/13/2023) | 18 (3/23/2015) | (5.3 - 18)/(41 - 9) | -0.396875 |
| 5.3 (5/24/2023) | 18 (3/23/2015) | (5.3 - 18)/(42 - 9) | -0.384848 |
| 6.2 (8/7/2023) | 18 (3/23/2015) | (6.2 - 18)/(43 - 9) | -0.347059 |
| 6.6 (12/12/2023) | 18 (3/23/2015) | (6.6 - 18)/(44 - 9) | -0.325714 |
| 15.2 (1/10/2024) | 18 (3/23/2015) | (15.2 - 18)/(45 - 9) | -0.0777778 |
| 11.7 (5/20/2024) | 18 (3/23/2015) | (11.7 - 18)/(46 - 9) | -0.17027 |
| 6.13 (9/16/2024) | 18 (3/23/2015) | (6.13 - 18)/(47 - 9) | -0.312368 |
| 18.2 (12/11/2024) | 18 (3/23/2015) | (18.2 - 18)/(48 - 9) | 0.00512821 |
| 6.4 (2/18/2025) | 18 (3/23/2015) | (6.4 - 18)/(49 - 9) | -0.29 |
| | | | |
| 4.6 (9/30/2015) | 4.8 (4/22/2015) | (4.6 - 4.8)/(11 - 10) | -0.2 |
| 14.4 (11/19/2015) | 4.8 (4/22/2015) | (14.4 - 4.8)/(12 - 10) | 4.8 |
| 6 (3/15/2016) | 4.8 (4/22/2015) | (6 - 4.8)/(13 - 10) | 0.4 |
| 10.9 (6/29/2016) | 4.8 (4/22/2015) | (10.9 - 4.8)/(14 - 10) | 1.525 |
| 9.9 (8/9/2016) | 4.8 (4/22/2015) | (9.9 - 4.8)/(15 - 10) | 1.02 |
| 11.9 (12/7/2016) | 4.8 (4/22/2015) | (11.9 - 4.8)/(16 - 10) | 1.18333 |
| 8 (3/2/2017) | 4.8 (4/22/2015) | (8 - 4.8)/(17 - 10) | 0.457143 |
| 12.3 (6/21/2017) | 4.8 (4/22/2015) | (12.3 - 4.8)/(18 - 10) | 0.9375 |
| 72.2 (8/17/2017) | 4.8 (4/22/2015) | (72.2 - 4.8)/(19 - 10) | 7.48889 |
| 17.5 (10/26/2017) | 4.8 (4/22/2015) | (17.5 - 4.8)/(20 - 10) | 1.27 |
| 12.5 (3/27/2018) | 4.8 (4/22/2015) | (12.5 - 4.8)/(21 - 10) | 0.7 |
| 13 (6/26/2018) | 4.8 (4/22/2015) | (13 - 4.8)/(22 - 10) | 0.683333 |
| 84.4 (8/1/2018) | 4.8 (4/22/2015) | (84.4 - 4.8)/(23 - 10) | 6.12308 |
| 3.1 (12/11/2018) | 4.8 (4/22/2015) | (3.1 - 4.8)/(24 - 10) | -0.121429 |
| ND<5 U (4/17/2019) | 4.8 (4/22/2015) | (5 - 4.8)/(25 - 10) | 0.0133333 |
| 5.2 (6/11/2019) | 4.8 (4/22/2015) | (5.2 - 4.8)/(26 - 10) | 0.025 |
| 4.8 (8/28/2019) | 4.8 (4/22/2015) | (4.8 - 4.8)/(27 - 10) | 0 |
| 3.4 (10/28/2019) | 4.8 (4/22/2015) | (3.4 - 4.8)/(28 - 10) | -0.0777778 |
| 90 (3/31/2020) | 4.8 (4/22/2015) | (90 - 4.8)/(29 - 10) | 4.48421 |
| 10.8 (6/10/2020) | 4.8 (4/22/2015) | (10.8 - 4.8)/(30 - 10) | 0.3 |
| 5.2 (9/21/2020) | 4.8 (4/22/2015) | (5.2 - 4.8)/(31 - 10) | 0.0190476 |
| 5.4 (12/17/2020) | 4.8 (4/22/2015) | (5.4 - 4.8)/(32 - 10) | 0.0272727 |
| 26.8 (3/18/2021) | 4.8 (4/22/2015) | (26.8 - 4.8)/(33 - 10) | 0.956522 |
| 15.6 (5/5/2021) | 4.8 (4/22/2015) | (15.6 - 4.8)/(34 - 10) | 0.45 |
| 3.4 (9/2/2021) | 4.8 (4/22/2015) | (3.4 - 4.8)/(35 - 10) | -0.056 |
| 19.2 (11/23/2021) | 4.8 (4/22/2015) | (19.2 - 4.8)/(36 - 10) | 0.553846 |
| 9 (1/10/2022) | 4.8 (4/22/2015) | (9 - 4.8)/(37 - 10) | 0.155556 |
| 5 (4/7/2022) | 4.8 (4/22/2015) | (5 - 4.8)/(38 - 10) | 0.00714286 |
| 13.8 (8/3/2022) | 4.8 (4/22/2015) | (13.8 - 4.8)/(39 - 10) | 0.310345 |
| 13.4 (11/16/2022) | 4.8 (4/22/2015) | (13.4 - 4.8)/(40 - 10) | 0.286667 |
| 5.3 (2/13/2023) | 4.8 (4/22/2015) | (5.3 - 4.8)/(41 - 10) | 0.016129 |
| 5.3 (5/24/2023) | 4.8 (4/22/2015) | (5.3 - 4.8)/(42 - 10) | 0.015625 |
| 6.2 (8/7/2023) | 4.8 (4/22/2015) | (6.2 - 4.8)/(43 - 10) | 0.0424242 |
| 6.6 (12/12/2023) | 4.8 (4/22/2015) | (6.6 - 4.8)/(44 - 10) | 0.0529412 |
| 15.2 (1/10/2024) | 4.8 (4/22/2015) | (15.2 - 4.8)/(45 - 10) | 0.297143 |
| 11.7 (5/20/2024) | 4.8 (4/22/2015) | (11.7 - 4.8)/(46 - 10) | 0.191667 |
| 6.13 (9/16/2024) | 4.8 (4/22/2015) | (6.13 - 4.8)/(47 - 10) | 0.0359459 |
| 18.2 (12/11/2024) | 4.8 (4/22/2015) | (18.2 - 4.8)/(48 - 10) | 0.352632 |
| 6.4 (2/18/2025) | 4.8 (4/22/2015) | (6.4 - 4.8)/(49 - 10) | 0.0410256 |
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| 14.4 (11/19/2015) | 4.6 (9/30/2015) | (14.4 - 4.6)/(12 - 11) | 9.8 |
| 6 (3/15/2016) | 4.6 (9/30/2015) | (6 - 4.6)/(13 - 11) | 0.7 |

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| 10.9 (6/29/2016) | 4.6 (9/30/2015) | (10.9 - 4.6)/(14 - 11) | 2.1 |
| 9.9 (8/9/2016) | 4.6 (9/30/2015) | (9.9 - 4.6)/(15 - 11) | 1.325 |
| 11.9 (12/7/2016) | 4.6 (9/30/2015) | (11.9 - 4.6)/(16 - 11) | 1.46 |
| 8 (3/2/2017) | 4.6 (9/30/2015) | (8 - 4.6)/(17 - 11) | 0.566667 |
| 12.3 (6/21/2017) | 4.6 (9/30/2015) | (12.3 - 4.6)/(18 - 11) | 1.1 |
| 72.2 (8/17/2017) | 4.6 (9/30/2015) | (72.2 - 4.6)/(19 - 11) | 8.45 |
| 17.5 (10/26/2017) | 4.6 (9/30/2015) | (17.5 - 4.6)/(20 - 11) | 1.43333 |
| 12.5 (3/27/2018) | 4.6 (9/30/2015) | (12.5 - 4.6)/(21 - 11) | 0.79 |
| 13 (6/26/2018) | 4.6 (9/30/2015) | (13 - 4.6)/(22 - 11) | 0.763636 |
| 84.4 (8/1/2018) | 4.6 (9/30/2015) | (84.4 - 4.6)/(23 - 11) | 6.65 |
| 3.1 (12/11/2018) | 4.6 (9/30/2015) | (3.1 - 4.6)/(24 - 11) | -0.115385 |
| ND<5 U (4/17/2019) | 4.6 (9/30/2015) | (5 - 4.6)/(25 - 11) | 0.0285714 |
| 5.2 (6/11/2019) | 4.6 (9/30/2015) | (5.2 - 4.6)/(26 - 11) | 0.04 |
| 4.8 (8/28/2019) | 4.6 (9/30/2015) | (4.8 - 4.6)/(27 - 11) | 0.0125 |
| 3.4 (10/28/2019) | 4.6 (9/30/2015) | (3.4 - 4.6)/(28 - 11) | -0.0705882 |
| 90 (3/31/2020) | 4.6 (9/30/2015) | (90 - 4.6)/(29 - 11) | 4.74444 |
| 10.8 (6/10/2020) | 4.6 (9/30/2015) | (10.8 - 4.6)/(30 - 11) | 0.326316 |
| 5.2 (9/21/2020) | 4.6 (9/30/2015) | (5.2 - 4.6)/(31 - 11) | 0.03 |
| 5.4 (12/17/2020) | 4.6 (9/30/2015) | (5.4 - 4.6)/(32 - 11) | 0.0380952 |
| 26.8 (3/18/2021) | 4.6 (9/30/2015) | (26.8 - 4.6)/(33 - 11) | 1.00909 |
| 15.6 (5/5/2021) | 4.6 (9/30/2015) | (15.6 - 4.6)/(34 - 11) | 0.478261 |
| 3.4 (9/2/2021) | 4.6 (9/30/2015) | (3.4 - 4.6)/(35 - 11) | -0.05 |
| 19.2 (11/23/2021) | 4.6 (9/30/2015) | (19.2 - 4.6)/(36 - 11) | 0.584 |
| 9 (1/10/2022) | 4.6 (9/30/2015) | (9 - 4.6)/(37 - 11) | 0.169231 |
| 5 (4/7/2022) | 4.6 (9/30/2015) | (5 - 4.6)/(38 - 11) | 0.0148148 |
| 13.8 (8/3/2022) | 4.6 (9/30/2015) | (13.8 - 4.6)/(39 - 11) | 0.328571 |
| 13.4 (11/16/2022) | 4.6 (9/30/2015) | (13.4 - 4.6)/(40 - 11) | 0.303448 |
| 5.3 (2/13/2023) | 4.6 (9/30/2015) | (5.3 - 4.6)/(41 - 11) | 0.0233333 |
| 5.3 (5/24/2023) | 4.6 (9/30/2015) | (5.3 - 4.6)/(42 - 11) | 0.0225806 |
| 6.2 (8/7/2023) | 4.6 (9/30/2015) | (6.2 - 4.6)/(43 - 11) | 0.05 |
| 6.6 (12/12/2023) | 4.6 (9/30/2015) | (6.6 - 4.6)/(44 - 11) | 0.0606061 |
| 15.2 (1/10/2024) | 4.6 (9/30/2015) | (15.2 - 4.6)/(45 - 11) | 0.311765 |
| 11.7 (5/20/2024) | 4.6 (9/30/2015) | (11.7 - 4.6)/(46 - 11) | 0.202857 |
| 6.13 (9/16/2024) | 4.6 (9/30/2015) | (6.13 - 4.6)/(47 - 11) | 0.0425 |
| 18.2 (12/11/2024) | 4.6 (9/30/2015) | (18.2 - 4.6)/(48 - 11) | 0.367568 |
| 6.4 (2/18/2025) | 4.6 (9/30/2015) | (6.4 - 4.6)/(49 - 11) | 0.0473684 |

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|---|---|---|---|
| 6 (3/15/2016) | 14.4 (11/19/2015) | (6 - 14.4)/(13 - 12) | -8.4 |
| 10.9 (6/29/2016) | 14.4 (11/19/2015) | (10.9 - 14.4)/(14 - 12) | -1.75 |
| 9.9 (8/9/2016) | 14.4 (11/19/2015) | (9.9 - 14.4)/(15 - 12) | -1.5 |
| 11.9 (12/7/2016) | 14.4 (11/19/2015) | (11.9 - 14.4)/(16 - 12) | -0.625 |
| 8 (3/2/2017) | 14.4 (11/19/2015) | (8 - 14.4)/(17 - 12) | -1.28 |
| 12.3 (6/21/2017) | 14.4 (11/19/2015) | (12.3 - 14.4)/(18 - 12) | -0.35 |
| 72.2 (8/17/2017) | 14.4 (11/19/2015) | (72.2 - 14.4)/(19 - 12) | 8.25714 |
| 17.5 (10/26/2017) | 14.4 (11/19/2015) | (17.5 - 14.4)/(20 - 12) | 0.3875 |
| 12.5 (3/27/2018) | 14.4 (11/19/2015) | (12.5 - 14.4)/(21 - 12) | -0.211111 |
| 13 (6/26/2018) | 14.4 (11/19/2015) | (13 - 14.4)/(22 - 12) | -0.14 |
| 84.4 (8/1/2018) | 14.4 (11/19/2015) | (84.4 - 14.4)/(23 - 12) | 6.36364 |
| 3.1 (12/11/2018) | 14.4 (11/19/2015) | (3.1 - 14.4)/(24 - 12) | -0.941667 |
| ND<5 U (4/17/2019) | 14.4 (11/19/2015) | (5 - 14.4)/(25 - 12) | -0.723077 |
| 5.2 (6/11/2019) | 14.4 (11/19/2015) | (5.2 - 14.4)/(26 - 12) | -0.657143 |
| 4.8 (8/28/2019) | 14.4 (11/19/2015) | (4.8 - 14.4)/(27 - 12) | -0.64 |
| 3.4 (10/28/2019) | 14.4 (11/19/2015) | (3.4 - 14.4)/(28 - 12) | -0.6875 |
| 90 (3/31/2020) | 14.4 (11/19/2015) | (90 - 14.4)/(29 - 12) | 4.44706 |
| 10.8 (6/10/2020) | 14.4 (11/19/2015) | (10.8 - 14.4)/(30 - 12) | -0.2 |
| 5.2 (9/21/2020) | 14.4 (11/19/2015) | (5.2 - 14.4)/(31 - 12) | -0.484211 |
| 5.4 (12/17/2020) | 14.4 (11/19/2015) | (5.4 - 14.4)/(32 - 12) | -0.45 |

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| 26.8 (3/18/2021) | 14.4 (11/19/2015) | (26.8 - 14.4)/(33 - 12) | 0.590476 |
| 15.6 (5/5/2021) | 14.4 (11/19/2015) | (15.6 - 14.4)/(34 - 12) | 0.0545455 |
| 3.4 (9/2/2021) | 14.4 (11/19/2015) | (3.4 - 14.4)/(35 - 12) | -0.478261 |
| 19.2 (11/23/2021) | 14.4 (11/19/2015) | (19.2 - 14.4)/(36 - 12) | 0.2 |
| 9 (1/10/2022) | 14.4 (11/19/2015) | (9 - 14.4)/(37 - 12) | -0.216 |
| 5 (4/7/2022) | 14.4 (11/19/2015) | (5 - 14.4)/(38 - 12) | -0.361538 |
| 13.8 (8/3/2022) | 14.4 (11/19/2015) | (13.8 - 14.4)/(39 - 12) | -0.0222222 |
| 13.4 (11/16/2022) | 14.4 (11/19/2015) | (13.4 - 14.4)/(40 - 12) | -0.0357143 |
| 5.3 (2/13/2023) | 14.4 (11/19/2015) | (5.3 - 14.4)/(41 - 12) | -0.313793 |
| 5.3 (5/24/2023) | 14.4 (11/19/2015) | (5.3 - 14.4)/(42 - 12) | -0.303333 |
| 6.2 (8/7/2023) | 14.4 (11/19/2015) | (6.2 - 14.4)/(43 - 12) | -0.264516 |
| 6.6 (12/12/2023) | 14.4 (11/19/2015) | (6.6 - 14.4)/(44 - 12) | -0.24375 |
| 15.2 (1/10/2024) | 14.4 (11/19/2015) | (15.2 - 14.4)/(45 - 12) | 0.0242424 |
| 11.7 (5/20/2024) | 14.4 (11/19/2015) | (11.7 - 14.4)/(46 - 12) | -0.0794118 |
| 6.13 (9/16/2024) | 14.4 (11/19/2015) | (6.13 - 14.4)/(47 - 12) | -0.236286 |
| 18.2 (12/11/2024) | 14.4 (11/19/2015) | (18.2 - 14.4)/(48 - 12) | 0.105556 |
| 6.4 (2/18/2025) | 14.4 (11/19/2015) | (6.4 - 14.4)/(49 - 12) | -0.216216 |
| | | | |
| 10.9 (6/29/2016) | 6 (3/15/2016) | (10.9 - 6)/(14 - 13) | 4.9 |
| 9.9 (8/9/2016) | 6 (3/15/2016) | (9.9 - 6)/(15 - 13) | 1.95 |
| 11.9 (12/7/2016) | 6 (3/15/2016) | (11.9 - 6)/(16 - 13) | 1.96667 |
| 8 (3/2/2017) | 6 (3/15/2016) | (8 - 6)/(17 - 13) | 0.5 |
| 12.3 (6/21/2017) | 6 (3/15/2016) | (12.3 - 6)/(18 - 13) | 1.26 |
| 72.2 (8/17/2017) | 6 (3/15/2016) | (72.2 - 6)/(19 - 13) | 11.0333 |
| 17.5 (10/26/2017) | 6 (3/15/2016) | (17.5 - 6)/(20 - 13) | 1.64286 |
| 12.5 (3/27/2018) | 6 (3/15/2016) | (12.5 - 6)/(21 - 13) | 0.8125 |
| 13 (6/26/2018) | 6 (3/15/2016) | (13 - 6)/(22 - 13) | 0.777778 |
| 84.4 (8/1/2018) | 6 (3/15/2016) | (84.4 - 6)/(23 - 13) | 7.84 |
| 3.1 (12/11/2018) | 6 (3/15/2016) | (3.1 - 6)/(24 - 13) | -0.263636 |
| ND<5 U (4/17/2019) | 6 (3/15/2016) | (5 - 6)/(25 - 13) | -0.0833333 |
| 5.2 (6/11/2019) | 6 (3/15/2016) | (5.2 - 6)/(26 - 13) | -0.0615385 |
| 4.8 (8/28/2019) | 6 (3/15/2016) | (4.8 - 6)/(27 - 13) | -0.0857143 |
| 3.4 (10/28/2019) | 6 (3/15/2016) | (3.4 - 6)/(28 - 13) | -0.173333 |
| 90 (3/31/2020) | 6 (3/15/2016) | (90 - 6)/(29 - 13) | 5.25 |
| 10.8 (6/10/2020) | 6 (3/15/2016) | (10.8 - 6)/(30 - 13) | 0.282353 |
| 5.2 (9/21/2020) | 6 (3/15/2016) | (5.2 - 6)/(31 - 13) | -0.0444444 |
| 5.4 (12/17/2020) | 6 (3/15/2016) | (5.4 - 6)/(32 - 13) | -0.0315789 |
| 26.8 (3/18/2021) | 6 (3/15/2016) | (26.8 - 6)/(33 - 13) | 1.04 |
| 15.6 (5/5/2021) | 6 (3/15/2016) | (15.6 - 6)/(34 - 13) | 0.457143 |
| 3.4 (9/2/2021) | 6 (3/15/2016) | (3.4 - 6)/(35 - 13) | -0.118182 |
| 19.2 (11/23/2021) | 6 (3/15/2016) | (19.2 - 6)/(36 - 13) | 0.573913 |
| 9 (1/10/2022) | 6 (3/15/2016) | (9 - 6)/(37 - 13) | 0.125 |
| 5 (4/7/2022) | 6 (3/15/2016) | (5 - 6)/(38 - 13) | -0.04 |
| 13.8 (8/3/2022) | 6 (3/15/2016) | (13.8 - 6)/(39 - 13) | 0.3 |
| 13.4 (11/16/2022) | 6 (3/15/2016) | (13.4 - 6)/(40 - 13) | 0.274074 |
| 5.3 (2/13/2023) | 6 (3/15/2016) | (5.3 - 6)/(41 - 13) | -0.025 |
| 5.3 (5/24/2023) | 6 (3/15/2016) | (5.3 - 6)/(42 - 13) | -0.0241379 |
| 6.2 (8/7/2023) | 6 (3/15/2016) | (6.2 - 6)/(43 - 13) | 0.00666667 |
| 6.6 (12/12/2023) | 6 (3/15/2016) | (6.6 - 6)/(44 - 13) | 0.0193548 |
| 15.2 (1/10/2024) | 6 (3/15/2016) | (15.2 - 6)/(45 - 13) | 0.2875 |
| 11.7 (5/20/2024) | 6 (3/15/2016) | (11.7 - 6)/(46 - 13) | 0.172727 |
| 6.13 (9/16/2024) | 6 (3/15/2016) | (6.13 - 6)/(47 - 13) | 0.00382353 |
| 18.2 (12/11/2024) | 6 (3/15/2016) | (18.2 - 6)/(48 - 13) | 0.348571 |
| 6.4 (2/18/2025) | 6 (3/15/2016) | (6.4 - 6)/(49 - 13) | 0.0111111 |
| | | | |
| 9.9 (8/9/2016) | 10.9 (6/29/2016) | (9.9 - 10.9)/(15 - 14) | -1 |
| 11.9 (12/7/2016) | 10.9 (6/29/2016) | (11.9 - 10.9)/(16 - 14) | 0.5 |

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|---|---|---|---|
| 8 (3/2/2017) | 10.9 (6/29/2016) | (8 - 10.9)/(17 - 14) | -0.966667 |
| 12.3 (6/21/2017) | 10.9 (6/29/2016) | (12.3 - 10.9)/(18 - 14) | 0.35 |
| 72.2 (8/17/2017) | 10.9 (6/29/2016) | (72.2 - 10.9)/(19 - 14) | 12.26 |
| 17.5 (10/26/2017) | 10.9 (6/29/2016) | (17.5 - 10.9)/(20 - 14) | 1.1 |
| 12.5 (3/27/2018) | 10.9 (6/29/2016) | (12.5 - 10.9)/(21 - 14) | 0.228571 |
| 13 (6/26/2018) | 10.9 (6/29/2016) | (13 - 10.9)/(22 - 14) | 0.2625 |
| 84.4 (8/1/2018) | 10.9 (6/29/2016) | (84.4 - 10.9)/(23 - 14) | 8.16667 |
| 3.1 (12/11/2018) | 10.9 (6/29/2016) | (3.1 - 10.9)/(24 - 14) | -0.78 |
| ND<5 U (4/17/2019) | 10.9 (6/29/2016) | (5 - 10.9)/(25 - 14) | -0.536364 |
| 5.2 (6/11/2019) | 10.9 (6/29/2016) | (5.2 - 10.9)/(26 - 14) | -0.475 |
| 4.8 (8/28/2019) | 10.9 (6/29/2016) | (4.8 - 10.9)/(27 - 14) | -0.469231 |
| 3.4 (10/28/2019) | 10.9 (6/29/2016) | (3.4 - 10.9)/(28 - 14) | -0.535714 |
| 90 (3/31/2020) | 10.9 (6/29/2016) | (90 - 10.9)/(29 - 14) | 5.27333 |
| 10.8 (6/10/2020) | 10.9 (6/29/2016) | (10.8 - 10.9)/(30 - 14) | -0.00625 |
| 5.2 (9/21/2020) | 10.9 (6/29/2016) | (5.2 - 10.9)/(31 - 14) | -0.335294 |
| 5.4 (12/17/2020) | 10.9 (6/29/2016) | (5.4 - 10.9)/(32 - 14) | -0.305556 |
| 26.8 (3/18/2021) | 10.9 (6/29/2016) | (26.8 - 10.9)/(33 - 14) | 0.836842 |
| 15.6 (5/5/2021) | 10.9 (6/29/2016) | (15.6 - 10.9)/(34 - 14) | 0.235 |
| 3.4 (9/2/2021) | 10.9 (6/29/2016) | (3.4 - 10.9)/(35 - 14) | -0.357143 |
| 19.2 (11/23/2021) | 10.9 (6/29/2016) | (19.2 - 10.9)/(36 - 14) | 0.377273 |
| 9 (1/10/2022) | 10.9 (6/29/2016) | (9 - 10.9)/(37 - 14) | -0.0826087 |
| 5 (4/7/2022) | 10.9 (6/29/2016) | (5 - 10.9)/(38 - 14) | -0.245833 |
| 13.8 (8/3/2022) | 10.9 (6/29/2016) | (13.8 - 10.9)/(39 - 14) | 0.116 |
| 13.4 (11/16/2022) | 10.9 (6/29/2016) | (13.4 - 10.9)/(40 - 14) | 0.0961538 |
| 5.3 (2/13/2023) | 10.9 (6/29/2016) | (5.3 - 10.9)/(41 - 14) | -0.207407 |
| 5.3 (5/24/2023) | 10.9 (6/29/2016) | (5.3 - 10.9)/(42 - 14) | -0.2 |
| 6.2 (8/7/2023) | 10.9 (6/29/2016) | (6.2 - 10.9)/(43 - 14) | -0.162069 |
| 6.6 (12/12/2023) | 10.9 (6/29/2016) | (6.6 - 10.9)/(44 - 14) | -0.143333 |
| 15.2 (1/10/2024) | 10.9 (6/29/2016) | (15.2 - 10.9)/(45 - 14) | 0.13871 |
| 11.7 (5/20/2024) | 10.9 (6/29/2016) | (11.7 - 10.9)/(46 - 14) | 0.025 |
| 6.13 (9/16/2024) | 10.9 (6/29/2016) | (6.13 - 10.9)/(47 - 14) | -0.144545 |
| 18.2 (12/11/2024) | 10.9 (6/29/2016) | (18.2 - 10.9)/(48 - 14) | 0.214706 |
| 6.4 (2/18/2025) | 10.9 (6/29/2016) | (6.4 - 10.9)/(49 - 14) | -0.128571 |
| | | | |
| 11.9 (12/7/2016) | 9.9 (8/9/2016) | (11.9 - 9.9)/(16 - 15) | 2 |
| 8 (3/2/2017) | 9.9 (8/9/2016) | (8 - 9.9)/(17 - 15) | -0.95 |
| 12.3 (6/21/2017) | 9.9 (8/9/2016) | (12.3 - 9.9)/(18 - 15) | 0.8 |
| 72.2 (8/17/2017) | 9.9 (8/9/2016) | (72.2 - 9.9)/(19 - 15) | 15.575 |
| 17.5 (10/26/2017) | 9.9 (8/9/2016) | (17.5 - 9.9)/(20 - 15) | 1.52 |
| 12.5 (3/27/2018) | 9.9 (8/9/2016) | (12.5 - 9.9)/(21 - 15) | 0.433333 |
| 13 (6/26/2018) | 9.9 (8/9/2016) | (13 - 9.9)/(22 - 15) | 0.442857 |
| 84.4 (8/1/2018) | 9.9 (8/9/2016) | (84.4 - 9.9)/(23 - 15) | 9.3125 |
| 3.1 (12/11/2018) | 9.9 (8/9/2016) | (3.1 - 9.9)/(24 - 15) | -0.755556 |
| ND<5 U (4/17/2019) | 9.9 (8/9/2016) | (5 - 9.9)/(25 - 15) | -0.49 |
| 5.2 (6/11/2019) | 9.9 (8/9/2016) | (5.2 - 9.9)/(26 - 15) | -0.427273 |
| 4.8 (8/28/2019) | 9.9 (8/9/2016) | (4.8 - 9.9)/(27 - 15) | -0.425 |
| 3.4 (10/28/2019) | 9.9 (8/9/2016) | (3.4 - 9.9)/(28 - 15) | -0.5 |
| 90 (3/31/2020) | 9.9 (8/9/2016) | (90 - 9.9)/(29 - 15) | 5.72143 |
| 10.8 (6/10/2020) | 9.9 (8/9/2016) | (10.8 - 9.9)/(30 - 15) | 0.06 |
| 5.2 (9/21/2020) | 9.9 (8/9/2016) | (5.2 - 9.9)/(31 - 15) | -0.29375 |
| 5.4 (12/17/2020) | 9.9 (8/9/2016) | (5.4 - 9.9)/(32 - 15) | -0.264706 |
| 26.8 (3/18/2021) | 9.9 (8/9/2016) | (26.8 - 9.9)/(33 - 15) | 0.938889 |
| 15.6 (5/5/2021) | 9.9 (8/9/2016) | (15.6 - 9.9)/(34 - 15) | 0.3 |
| 3.4 (9/2/2021) | 9.9 (8/9/2016) | (3.4 - 9.9)/(35 - 15) | -0.325 |
| 19.2 (11/23/2021) | 9.9 (8/9/2016) | (19.2 - 9.9)/(36 - 15) | 0.442857 |
| 9 (1/10/2022) | 9.9 (8/9/2016) | (9 - 9.9)/(37 - 15) | -0.0409091 |
| 5 (4/7/2022) | 9.9 (8/9/2016) | (5 - 9.9)/(38 - 15) | -0.213043 |

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|---|---|---|---|
| 13.8 (8/3/2022) | 9.9 (8/9/2016) | (13.8 - 9.9)/(39 - 15) | 0.1625 |
| 13.4 (11/16/2022) | 9.9 (8/9/2016) | (13.4 - 9.9)/(40 - 15) | 0.14 |
| 5.3 (2/13/2023) | 9.9 (8/9/2016) | (5.3 - 9.9)/(41 - 15) | -0.176923 |
| 5.3 (5/24/2023) | 9.9 (8/9/2016) | (5.3 - 9.9)/(42 - 15) | -0.17037 |
| 6.2 (8/7/2023) | 9.9 (8/9/2016) | (6.2 - 9.9)/(43 - 15) | -0.132143 |
| 6.6 (12/12/2023) | 9.9 (8/9/2016) | (6.6 - 9.9)/(44 - 15) | -0.113793 |
| 15.2 (1/10/2024) | 9.9 (8/9/2016) | (15.2 - 9.9)/(45 - 15) | 0.176667 |
| 11.7 (5/20/2024) | 9.9 (8/9/2016) | (11.7 - 9.9)/(46 - 15) | 0.0580645 |
| 6.13 (9/16/2024) | 9.9 (8/9/2016) | (6.13 - 9.9)/(47 - 15) | -0.117813 |
| 18.2 (12/11/2024) | 9.9 (8/9/2016) | (18.2 - 9.9)/(48 - 15) | 0.251515 |
| 6.4 (2/18/2025) | 9.9 (8/9/2016) | (6.4 - 9.9)/(49 - 15) | -0.102941 |
| | | | |
| 8 (3/2/2017) | 11.9 (12/7/2016) | (8 - 11.9)/(17 - 16) | -3.9 |
| 12.3 (6/21/2017) | 11.9 (12/7/2016) | (12.3 - 11.9)/(18 - 16) | 0.2 |
| 72.2 (8/17/2017) | 11.9 (12/7/2016) | (72.2 - 11.9)/(19 - 16) | 20.1 |
| 17.5 (10/26/2017) | 11.9 (12/7/2016) | (17.5 - 11.9)/(20 - 16) | 1.4 |
| 12.5 (3/27/2018) | 11.9 (12/7/2016) | (12.5 - 11.9)/(21 - 16) | 0.12 |
| 13 (6/26/2018) | 11.9 (12/7/2016) | (13 - 11.9)/(22 - 16) | 0.183333 |
| 84.4 (8/1/2018) | 11.9 (12/7/2016) | (84.4 - 11.9)/(23 - 16) | 10.3571 |
| 3.1 (12/11/2018) | 11.9 (12/7/2016) | (3.1 - 11.9)/(24 - 16) | -1.1 |
| ND<5 U (4/17/2019) | 11.9 (12/7/2016) | (5 - 11.9)/(25 - 16) | -0.766667 |
| 5.2 (6/11/2019) | 11.9 (12/7/2016) | (5.2 - 11.9)/(26 - 16) | -0.67 |
| 4.8 (8/28/2019) | 11.9 (12/7/2016) | (4.8 - 11.9)/(27 - 16) | -0.645455 |
| 3.4 (10/28/2019) | 11.9 (12/7/2016) | (3.4 - 11.9)/(28 - 16) | -0.708333 |
| 90 (3/31/2020) | 11.9 (12/7/2016) | (90 - 11.9)/(29 - 16) | 6.00769 |
| 10.8 (6/10/2020) | 11.9 (12/7/2016) | (10.8 - 11.9)/(30 - 16) | -0.0785714 |
| 5.2 (9/21/2020) | 11.9 (12/7/2016) | (5.2 - 11.9)/(31 - 16) | -0.446667 |
| 5.4 (12/17/2020) | 11.9 (12/7/2016) | (5.4 - 11.9)/(32 - 16) | -0.40625 |
| 26.8 (3/18/2021) | 11.9 (12/7/2016) | (26.8 - 11.9)/(33 - 16) | 0.876471 |
| 15.6 (5/5/2021) | 11.9 (12/7/2016) | (15.6 - 11.9)/(34 - 16) | 0.205556 |
| 3.4 (9/2/2021) | 11.9 (12/7/2016) | (3.4 - 11.9)/(35 - 16) | -0.447368 |
| 19.2 (11/23/2021) | 11.9 (12/7/2016) | (19.2 - 11.9)/(36 - 16) | 0.365 |
| 9 (1/10/2022) | 11.9 (12/7/2016) | (9 - 11.9)/(37 - 16) | -0.138095 |
| 5 (4/7/2022) | 11.9 (12/7/2016) | (5 - 11.9)/(38 - 16) | -0.313636 |
| 13.8 (8/3/2022) | 11.9 (12/7/2016) | (13.8 - 11.9)/(39 - 16) | 0.0826087 |
| 13.4 (11/16/2022) | 11.9 (12/7/2016) | (13.4 - 11.9)/(40 - 16) | 0.0625 |
| 5.3 (2/13/2023) | 11.9 (12/7/2016) | (5.3 - 11.9)/(41 - 16) | -0.264 |
| 5.3 (5/24/2023) | 11.9 (12/7/2016) | (5.3 - 11.9)/(42 - 16) | -0.253846 |
| 6.2 (8/7/2023) | 11.9 (12/7/2016) | (6.2 - 11.9)/(43 - 16) | -0.211111 |
| 6.6 (12/12/2023) | 11.9 (12/7/2016) | (6.6 - 11.9)/(44 - 16) | -0.189286 |
| 15.2 (1/10/2024) | 11.9 (12/7/2016) | (15.2 - 11.9)/(45 - 16) | 0.113793 |
| 11.7 (5/20/2024) | 11.9 (12/7/2016) | (11.7 - 11.9)/(46 - 16) | -0.00666667 |
| 6.13 (9/16/2024) | 11.9 (12/7/2016) | (6.13 - 11.9)/(47 - 16) | -0.186129 |
| 18.2 (12/11/2024) | 11.9 (12/7/2016) | (18.2 - 11.9)/(48 - 16) | 0.196875 |
| 6.4 (2/18/2025) | 11.9 (12/7/2016) | (6.4 - 11.9)/(49 - 16) | -0.166667 |
| | | | |
| 12.3 (6/21/2017) | 8 (3/2/2017) | (12.3 - 8)/(18 - 17) | 4.3 |
| 72.2 (8/17/2017) | 8 (3/2/2017) | (72.2 - 8)/(19 - 17) | 32.1 |
| 17.5 (10/26/2017) | 8 (3/2/2017) | (17.5 - 8)/(20 - 17) | 3.16667 |
| 12.5 (3/27/2018) | 8 (3/2/2017) | (12.5 - 8)/(21 - 17) | 1.125 |
| 13 (6/26/2018) | 8 (3/2/2017) | (13 - 8)/(22 - 17) | 1 |
| 84.4 (8/1/2018) | 8 (3/2/2017) | (84.4 - 8)/(23 - 17) | 12.7333 |
| 3.1 (12/11/2018) | 8 (3/2/2017) | (3.1 - 8)/(24 - 17) | -0.7 |
| ND<5 U (4/17/2019) | 8 (3/2/2017) | (5 - 8)/(25 - 17) | -0.375 |
| 5.2 (6/11/2019) | 8 (3/2/2017) | (5.2 - 8)/(26 - 17) | -0.311111 |
| 4.8 (8/28/2019) | 8 (3/2/2017) | (4.8 - 8)/(27 - 17) | -0.32 |
| 3.4 (10/28/2019) | 8 (3/2/2017) | (3.4 - 8)/(28 - 17) | -0.418182 |

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|---|---|---|---|
| 90 (3/31/2020) | 8 (3/2/2017) | (90 - 8)/(29 - 17) | 6.83333 |
| 10.8 (6/10/2020) | 8 (3/2/2017) | (10.8 - 8)/(30 - 17) | 0.215385 |
| 5.2 (9/21/2020) | 8 (3/2/2017) | (5.2 - 8)/(31 - 17) | -0.2 |
| 5.4 (12/17/2020) | 8 (3/2/2017) | (5.4 - 8)/(32 - 17) | -0.173333 |
| 26.8 (3/18/2021) | 8 (3/2/2017) | (26.8 - 8)/(33 - 17) | 1.175 |
| 15.6 (5/5/2021) | 8 (3/2/2017) | (15.6 - 8)/(34 - 17) | 0.447059 |
| 3.4 (9/2/2021) | 8 (3/2/2017) | (3.4 - 8)/(35 - 17) | -0.255556 |
| 19.2 (11/23/2021) | 8 (3/2/2017) | (19.2 - 8)/(36 - 17) | 0.589474 |
| 9 (1/10/2022) | 8 (3/2/2017) | (9 - 8)/(37 - 17) | 0.05 |
| 5 (4/7/2022) | 8 (3/2/2017) | (5 - 8)/(38 - 17) | -0.142857 |
| 13.8 (8/3/2022) | 8 (3/2/2017) | (13.8 - 8)/(39 - 17) | 0.263636 |
| 13.4 (11/16/2022) | 8 (3/2/2017) | (13.4 - 8)/(40 - 17) | 0.234783 |
| 5.3 (2/13/2023) | 8 (3/2/2017) | (5.3 - 8)/(41 - 17) | -0.1125 |
| 5.3 (5/24/2023) | 8 (3/2/2017) | (5.3 - 8)/(42 - 17) | -0.108 |
| 6.2 (8/7/2023) | 8 (3/2/2017) | (6.2 - 8)/(43 - 17) | -0.0692308 |
| 6.6 (12/12/2023) | 8 (3/2/2017) | (6.6 - 8)/(44 - 17) | -0.0518519 |
| 15.2 (1/10/2024) | 8 (3/2/2017) | (15.2 - 8)/(45 - 17) | 0.257143 |
| 11.7 (5/20/2024) | 8 (3/2/2017) | (11.7 - 8)/(46 - 17) | 0.127586 |
| 6.13 (9/16/2024) | 8 (3/2/2017) | (6.13 - 8)/(47 - 17) | -0.0623333 |
| 18.2 (12/11/2024) | 8 (3/2/2017) | (18.2 - 8)/(48 - 17) | 0.329032 |
| 6.4 (2/18/2025) | 8 (3/2/2017) | (6.4 - 8)/(49 - 17) | -0.05 |
| | | | |
| 72.2 (8/17/2017) | 12.3 (6/21/2017) | (72.2 - 12.3)/(19 - 18) | 59.9 |
| 17.5 (10/26/2017) | 12.3 (6/21/2017) | (17.5 - 12.3)/(20 - 18) | 2.6 |
| 12.5 (3/27/2018) | 12.3 (6/21/2017) | (12.5 - 12.3)/(21 - 18) | 0.0666667 |
| 13 (6/26/2018) | 12.3 (6/21/2017) | (13 - 12.3)/(22 - 18) | 0.175 |
| 84.4 (8/1/2018) | 12.3 (6/21/2017) | (84.4 - 12.3)/(23 - 18) | 14.42 |
| 3.1 (12/11/2018) | 12.3 (6/21/2017) | (3.1 - 12.3)/(24 - 18) | -1.53333 |
| ND<5 U (4/17/2019) | 12.3 (6/21/2017) | (5 - 12.3)/(25 - 18) | -1.04286 |
| 5.2 (6/11/2019) | 12.3 (6/21/2017) | (5.2 - 12.3)/(26 - 18) | -0.8875 |
| 4.8 (8/28/2019) | 12.3 (6/21/2017) | (4.8 - 12.3)/(27 - 18) | -0.833333 |
| 3.4 (10/28/2019) | 12.3 (6/21/2017) | (3.4 - 12.3)/(28 - 18) | -0.89 |
| 90 (3/31/2020) | 12.3 (6/21/2017) | (90 - 12.3)/(29 - 18) | 7.06364 |
| 10.8 (6/10/2020) | 12.3 (6/21/2017) | (10.8 - 12.3)/(30 - 18) | -0.125 |
| 5.2 (9/21/2020) | 12.3 (6/21/2017) | (5.2 - 12.3)/(31 - 18) | -0.546154 |
| 5.4 (12/17/2020) | 12.3 (6/21/2017) | (5.4 - 12.3)/(32 - 18) | -0.492857 |
| 26.8 (3/18/2021) | 12.3 (6/21/2017) | (26.8 - 12.3)/(33 - 18) | 0.966667 |
| 15.6 (5/5/2021) | 12.3 (6/21/2017) | (15.6 - 12.3)/(34 - 18) | 0.20625 |
| 3.4 (9/2/2021) | 12.3 (6/21/2017) | (3.4 - 12.3)/(35 - 18) | -0.523529 |
| 19.2 (11/23/2021) | 12.3 (6/21/2017) | (19.2 - 12.3)/(36 - 18) | 0.383333 |
| 9 (1/10/2022) | 12.3 (6/21/2017) | (9 - 12.3)/(37 - 18) | -0.173684 |
| 5 (4/7/2022) | 12.3 (6/21/2017) | (5 - 12.3)/(38 - 18) | -0.365 |
| 13.8 (8/3/2022) | 12.3 (6/21/2017) | (13.8 - 12.3)/(39 - 18) | 0.0714286 |
| 13.4 (11/16/2022) | 12.3 (6/21/2017) | (13.4 - 12.3)/(40 - 18) | 0.05 |
| 5.3 (2/13/2023) | 12.3 (6/21/2017) | (5.3 - 12.3)/(41 - 18) | -0.304348 |
| 5.3 (5/24/2023) | 12.3 (6/21/2017) | (5.3 - 12.3)/(42 - 18) | -0.291667 |
| 6.2 (8/7/2023) | 12.3 (6/21/2017) | (6.2 - 12.3)/(43 - 18) | -0.244 |
| 6.6 (12/12/2023) | 12.3 (6/21/2017) | (6.6 - 12.3)/(44 - 18) | -0.219231 |
| 15.2 (1/10/2024) | 12.3 (6/21/2017) | (15.2 - 12.3)/(45 - 18) | 0.107407 |
| 11.7 (5/20/2024) | 12.3 (6/21/2017) | (11.7 - 12.3)/(46 - 18) | -0.0214286 |
| 6.13 (9/16/2024) | 12.3 (6/21/2017) | (6.13 - 12.3)/(47 - 18) | -0.212759 |
| 18.2 (12/11/2024) | 12.3 (6/21/2017) | (18.2 - 12.3)/(48 - 18) | 0.196667 |
| 6.4 (2/18/2025) | 12.3 (6/21/2017) | (6.4 - 12.3)/(49 - 18) | -0.190323 |
| | | | |
| 17.5 (10/26/2017) | 72.2 (8/17/2017) | (17.5 - 72.2)/(20 - 19) | -54.7 |
| 12.5 (3/27/2018) | 72.2 (8/17/2017) | (12.5 - 72.2)/(21 - 19) | -29.85 |
| 13 (6/26/2018) | 72.2 (8/17/2017) | (13 - 72.2)/(22 - 19) | -19.7333 |

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|---|---|---|---|
| 84.4 (8/1/2018) | 72.2 (8/17/2017) | (84.4 - 72.2)/(23 - 19) | 3.05 |
| 3.1 (12/11/2018) | 72.2 (8/17/2017) | (3.1 - 72.2)/(24 - 19) | -13.82 |
| ND<5 U (4/17/2019) | 72.2 (8/17/2017) | (5 - 72.2)/(25 - 19) | -11.2 |
| 5.2 (6/11/2019) | 72.2 (8/17/2017) | (5.2 - 72.2)/(26 - 19) | -9.57143 |
| 4.8 (8/28/2019) | 72.2 (8/17/2017) | (4.8 - 72.2)/(27 - 19) | -8.425 |
| 3.4 (10/28/2019) | 72.2 (8/17/2017) | (3.4 - 72.2)/(28 - 19) | -7.64444 |
| 90 (3/31/2020) | 72.2 (8/17/2017) | (90 - 72.2)/(29 - 19) | 1.78 |
| 10.8 (6/10/2020) | 72.2 (8/17/2017) | (10.8 - 72.2)/(30 - 19) | -5.58182 |
| 5.2 (9/21/2020) | 72.2 (8/17/2017) | (5.2 - 72.2)/(31 - 19) | -5.58333 |
| 5.4 (12/17/2020) | 72.2 (8/17/2017) | (5.4 - 72.2)/(32 - 19) | -5.13846 |
| 26.8 (3/18/2021) | 72.2 (8/17/2017) | (26.8 - 72.2)/(33 - 19) | -3.24286 |
| 15.6 (5/5/2021) | 72.2 (8/17/2017) | (15.6 - 72.2)/(34 - 19) | -3.77333 |
| 3.4 (9/2/2021) | 72.2 (8/17/2017) | (3.4 - 72.2)/(35 - 19) | -4.3 |
| 19.2 (11/23/2021) | 72.2 (8/17/2017) | (19.2 - 72.2)/(36 - 19) | -3.11765 |
| 9 (1/10/2022) | 72.2 (8/17/2017) | (9 - 72.2)/(37 - 19) | -3.51111 |
| 5 (4/7/2022) | 72.2 (8/17/2017) | (5 - 72.2)/(38 - 19) | -3.53684 |
| 13.8 (8/3/2022) | 72.2 (8/17/2017) | (13.8 - 72.2)/(39 - 19) | -2.92 |
| 13.4 (11/16/2022) | 72.2 (8/17/2017) | (13.4 - 72.2)/(40 - 19) | -2.8 |
| 5.3 (2/13/2023) | 72.2 (8/17/2017) | (5.3 - 72.2)/(41 - 19) | -3.04091 |
| 5.3 (5/24/2023) | 72.2 (8/17/2017) | (5.3 - 72.2)/(42 - 19) | -2.9087 |
| 6.2 (8/7/2023) | 72.2 (8/17/2017) | (6.2 - 72.2)/(43 - 19) | -2.75 |
| 6.6 (12/12/2023) | 72.2 (8/17/2017) | (6.6 - 72.2)/(44 - 19) | -2.624 |
| 15.2 (1/10/2024) | 72.2 (8/17/2017) | (15.2 - 72.2)/(45 - 19) | -2.19231 |
| 11.7 (5/20/2024) | 72.2 (8/17/2017) | (11.7 - 72.2)/(46 - 19) | -2.24074 |
| 6.13 (9/16/2024) | 72.2 (8/17/2017) | (6.13 - 72.2)/(47 - 19) | -2.35964 |
| 18.2 (12/11/2024) | 72.2 (8/17/2017) | (18.2 - 72.2)/(48 - 19) | -1.86207 |
| 6.4 (2/18/2025) | 72.2 (8/17/2017) | (6.4 - 72.2)/(49 - 19) | -2.19333 |
| | | | |
| 12.5 (3/27/2018) | 17.5 (10/26/2017) | (12.5 - 17.5)/(21 - 20) | -5 |
| 13 (6/26/2018) | 17.5 (10/26/2017) | (13 - 17.5)/(22 - 20) | -2.25 |
| 84.4 (8/1/2018) | 17.5 (10/26/2017) | (84.4 - 17.5)/(23 - 20) | 22.3 |
| 3.1 (12/11/2018) | 17.5 (10/26/2017) | (3.1 - 17.5)/(24 - 20) | -3.6 |
| ND<5 U (4/17/2019) | 17.5 (10/26/2017) | (5 - 17.5)/(25 - 20) | -2.5 |
| 5.2 (6/11/2019) | 17.5 (10/26/2017) | (5.2 - 17.5)/(26 - 20) | -2.05 |
| 4.8 (8/28/2019) | 17.5 (10/26/2017) | (4.8 - 17.5)/(27 - 20) | -1.81429 |
| 3.4 (10/28/2019) | 17.5 (10/26/2017) | (3.4 - 17.5)/(28 - 20) | -1.7625 |
| 90 (3/31/2020) | 17.5 (10/26/2017) | (90 - 17.5)/(29 - 20) | 8.05556 |
| 10.8 (6/10/2020) | 17.5 (10/26/2017) | (10.8 - 17.5)/(30 - 20) | -0.67 |
| 5.2 (9/21/2020) | 17.5 (10/26/2017) | (5.2 - 17.5)/(31 - 20) | -1.11818 |
| 5.4 (12/17/2020) | 17.5 (10/26/2017) | (5.4 - 17.5)/(32 - 20) | -1.00833 |
| 26.8 (3/18/2021) | 17.5 (10/26/2017) | (26.8 - 17.5)/(33 - 20) | 0.715385 |
| 15.6 (5/5/2021) | 17.5 (10/26/2017) | (15.6 - 17.5)/(34 - 20) | -0.135714 |
| 3.4 (9/2/2021) | 17.5 (10/26/2017) | (3.4 - 17.5)/(35 - 20) | -0.94 |
| 19.2 (11/23/2021) | 17.5 (10/26/2017) | (19.2 - 17.5)/(36 - 20) | 0.10625 |
| 9 (1/10/2022) | 17.5 (10/26/2017) | (9 - 17.5)/(37 - 20) | -0.5 |
| 5 (4/7/2022) | 17.5 (10/26/2017) | (5 - 17.5)/(38 - 20) | -0.694444 |
| 13.8 (8/3/2022) | 17.5 (10/26/2017) | (13.8 - 17.5)/(39 - 20) | -0.194737 |
| 13.4 (11/16/2022) | 17.5 (10/26/2017) | (13.4 - 17.5)/(40 - 20) | -0.205 |
| 5.3 (2/13/2023) | 17.5 (10/26/2017) | (5.3 - 17.5)/(41 - 20) | -0.580952 |
| 5.3 (5/24/2023) | 17.5 (10/26/2017) | (5.3 - 17.5)/(42 - 20) | -0.554545 |
| 6.2 (8/7/2023) | 17.5 (10/26/2017) | (6.2 - 17.5)/(43 - 20) | -0.491304 |
| 6.6 (12/12/2023) | 17.5 (10/26/2017) | (6.6 - 17.5)/(44 - 20) | -0.454167 |
| 15.2 (1/10/2024) | 17.5 (10/26/2017) | (15.2 - 17.5)/(45 - 20) | -0.092 |
| 11.7 (5/20/2024) | 17.5 (10/26/2017) | (11.7 - 17.5)/(46 - 20) | -0.223077 |
| 6.13 (9/16/2024) | 17.5 (10/26/2017) | (6.13 - 17.5)/(47 - 20) | -0.421111 |
| 18.2 (12/11/2024) | 17.5 (10/26/2017) | (18.2 - 17.5)/(48 - 20) | 0.025 |
| 6.4 (2/18/2025) | 17.5 (10/26/2017) | (6.4 - 17.5)/(49 - 20) | -0.382759 |

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|---|---|---|---|
| 13 (6/26/2018) | 12.5 (3/27/2018) | (13 - 12.5)/(22 - 21) | 0.5 |
| 84.4 (8/1/2018) | 12.5 (3/27/2018) | (84.4 - 12.5)/(23 - 21) | 35.95 |
| 3.1 (12/11/2018) | 12.5 (3/27/2018) | (3.1 - 12.5)/(24 - 21) | -3.13333 |
| ND<5 U (4/17/2019) | 12.5 (3/27/2018) | (5 - 12.5)/(25 - 21) | -1.875 |
| 5.2 (6/11/2019) | 12.5 (3/27/2018) | (5.2 - 12.5)/(26 - 21) | -1.46 |
| 4.8 (8/28/2019) | 12.5 (3/27/2018) | (4.8 - 12.5)/(27 - 21) | -1.28333 |
| 3.4 (10/28/2019) | 12.5 (3/27/2018) | (3.4 - 12.5)/(28 - 21) | -1.3 |
| 90 (3/31/2020) | 12.5 (3/27/2018) | (90 - 12.5)/(29 - 21) | 9.6875 |
| 10.8 (6/10/2020) | 12.5 (3/27/2018) | (10.8 - 12.5)/(30 - 21) | -0.188889 |
| 5.2 (9/21/2020) | 12.5 (3/27/2018) | (5.2 - 12.5)/(31 - 21) | -0.73 |
| 5.4 (12/17/2020) | 12.5 (3/27/2018) | (5.4 - 12.5)/(32 - 21) | -0.645455 |
| 26.8 (3/18/2021) | 12.5 (3/27/2018) | (26.8 - 12.5)/(33 - 21) | 1.19167 |
| 15.6 (5/5/2021) | 12.5 (3/27/2018) | (15.6 - 12.5)/(34 - 21) | 0.238462 |
| 3.4 (9/2/2021) | 12.5 (3/27/2018) | (3.4 - 12.5)/(35 - 21) | -0.65 |
| 19.2 (11/23/2021) | 12.5 (3/27/2018) | (19.2 - 12.5)/(36 - 21) | 0.446667 |
| 9 (1/10/2022) | 12.5 (3/27/2018) | (9 - 12.5)/(37 - 21) | -0.21875 |
| 5 (4/7/2022) | 12.5 (3/27/2018) | (5 - 12.5)/(38 - 21) | -0.441176 |
| 13.8 (8/3/2022) | 12.5 (3/27/2018) | (13.8 - 12.5)/(39 - 21) | 0.0722222 |
| 13.4 (11/16/2022) | 12.5 (3/27/2018) | (13.4 - 12.5)/(40 - 21) | 0.0473684 |
| 5.3 (2/13/2023) | 12.5 (3/27/2018) | (5.3 - 12.5)/(41 - 21) | -0.36 |
| 5.3 (5/24/2023) | 12.5 (3/27/2018) | (5.3 - 12.5)/(42 - 21) | -0.342857 |
| 6.2 (8/7/2023) | 12.5 (3/27/2018) | (6.2 - 12.5)/(43 - 21) | -0.286364 |
| 6.6 (12/12/2023) | 12.5 (3/27/2018) | (6.6 - 12.5)/(44 - 21) | -0.256522 |
| 15.2 (1/10/2024) | 12.5 (3/27/2018) | (15.2 - 12.5)/(45 - 21) | 0.1125 |
| 11.7 (5/20/2024) | 12.5 (3/27/2018) | (11.7 - 12.5)/(46 - 21) | -0.032 |
| 6.13 (9/16/2024) | 12.5 (3/27/2018) | (6.13 - 12.5)/(47 - 21) | -0.245 |
| 18.2 (12/11/2024) | 12.5 (3/27/2018) | (18.2 - 12.5)/(48 - 21) | 0.211111 |
| 6.4 (2/18/2025) | 12.5 (3/27/2018) | (6.4 - 12.5)/(49 - 21) | -0.217857 |

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|---|---|---|---|
| 84.4 (8/1/2018) | 13 (6/26/2018) | (84.4 - 13)/(23 - 22) | 71.4 |
| 3.1 (12/11/2018) | 13 (6/26/2018) | (3.1 - 13)/(24 - 22) | -4.95 |
| ND<5 U (4/17/2019) | 13 (6/26/2018) | (5 - 13)/(25 - 22) | -2.66667 |
| 5.2 (6/11/2019) | 13 (6/26/2018) | (5.2 - 13)/(26 - 22) | -1.95 |
| 4.8 (8/28/2019) | 13 (6/26/2018) | (4.8 - 13)/(27 - 22) | -1.64 |
| 3.4 (10/28/2019) | 13 (6/26/2018) | (3.4 - 13)/(28 - 22) | -1.6 |
| 90 (3/31/2020) | 13 (6/26/2018) | (90 - 13)/(29 - 22) | 11 |
| 10.8 (6/10/2020) | 13 (6/26/2018) | (10.8 - 13)/(30 - 22) | -0.275 |
| 5.2 (9/21/2020) | 13 (6/26/2018) | (5.2 - 13)/(31 - 22) | -0.866667 |
| 5.4 (12/17/2020) | 13 (6/26/2018) | (5.4 - 13)/(32 - 22) | -0.76 |
| 26.8 (3/18/2021) | 13 (6/26/2018) | (26.8 - 13)/(33 - 22) | 1.25455 |
| 15.6 (5/5/2021) | 13 (6/26/2018) | (15.6 - 13)/(34 - 22) | 0.216667 |
| 3.4 (9/2/2021) | 13 (6/26/2018) | (3.4 - 13)/(35 - 22) | -0.738462 |
| 19.2 (11/23/2021) | 13 (6/26/2018) | (19.2 - 13)/(36 - 22) | 0.442857 |
| 9 (1/10/2022) | 13 (6/26/2018) | (9 - 13)/(37 - 22) | -0.266667 |
| 5 (4/7/2022) | 13 (6/26/2018) | (5 - 13)/(38 - 22) | -0.5 |
| 13.8 (8/3/2022) | 13 (6/26/2018) | (13.8 - 13)/(39 - 22) | 0.0470588 |
| 13.4 (11/16/2022) | 13 (6/26/2018) | (13.4 - 13)/(40 - 22) | 0.0222222 |
| 5.3 (2/13/2023) | 13 (6/26/2018) | (5.3 - 13)/(41 - 22) | -0.405263 |
| 5.3 (5/24/2023) | 13 (6/26/2018) | (5.3 - 13)/(42 - 22) | -0.385 |
| 6.2 (8/7/2023) | 13 (6/26/2018) | (6.2 - 13)/(43 - 22) | -0.32381 |
| 6.6 (12/12/2023) | 13 (6/26/2018) | (6.6 - 13)/(44 - 22) | -0.290909 |
| 15.2 (1/10/2024) | 13 (6/26/2018) | (15.2 - 13)/(45 - 22) | 0.0956522 |
| 11.7 (5/20/2024) | 13 (6/26/2018) | (11.7 - 13)/(46 - 22) | -0.0541667 |
| 6.13 (9/16/2024) | 13 (6/26/2018) | (6.13 - 13)/(47 - 22) | -0.2748 |
| 18.2 (12/11/2024) | 13 (6/26/2018) | (18.2 - 13)/(48 - 22) | 0.2 |
| 6.4 (2/18/2025) | 13 (6/26/2018) | (6.4 - 13)/(49 - 22) | -0.244444 |

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| 3.1 (12/11/2018) | 84.4 (8/1/2018) | (3.1 - 84.4)/(24 - 23) | -81.3 |
| ND<5 U (4/17/2019) | 84.4 (8/1/2018) | (5 - 84.4)/(25 - 23) | -39.7 |
| 5.2 (6/11/2019) | 84.4 (8/1/2018) | (5.2 - 84.4)/(26 - 23) | -26.4 |
| 4.8 (8/28/2019) | 84.4 (8/1/2018) | (4.8 - 84.4)/(27 - 23) | -19.9 |
| 3.4 (10/28/2019) | 84.4 (8/1/2018) | (3.4 - 84.4)/(28 - 23) | -16.2 |
| 90 (3/31/2020) | 84.4 (8/1/2018) | (90 - 84.4)/(29 - 23) | 0.933333 |
| 10.8 (6/10/2020) | 84.4 (8/1/2018) | (10.8 - 84.4)/(30 - 23) | -10.5143 |
| 5.2 (9/21/2020) | 84.4 (8/1/2018) | (5.2 - 84.4)/(31 - 23) | -9.9 |
| 5.4 (12/17/2020) | 84.4 (8/1/2018) | (5.4 - 84.4)/(32 - 23) | -8.77778 |
| 26.8 (3/18/2021) | 84.4 (8/1/2018) | (26.8 - 84.4)/(33 - 23) | -5.76 |
| 15.6 (5/5/2021) | 84.4 (8/1/2018) | (15.6 - 84.4)/(34 - 23) | -6.25455 |
| 3.4 (9/2/2021) | 84.4 (8/1/2018) | (3.4 - 84.4)/(35 - 23) | -6.75 |
| 19.2 (11/23/2021) | 84.4 (8/1/2018) | (19.2 - 84.4)/(36 - 23) | -5.01538 |
| 9 (1/10/2022) | 84.4 (8/1/2018) | (9 - 84.4)/(37 - 23) | -5.38571 |
| 5 (4/7/2022) | 84.4 (8/1/2018) | (5 - 84.4)/(38 - 23) | -5.29333 |
| 13.8 (8/3/2022) | 84.4 (8/1/2018) | (13.8 - 84.4)/(39 - 23) | -4.4125 |
| 13.4 (11/16/2022) | 84.4 (8/1/2018) | (13.4 - 84.4)/(40 - 23) | -4.17647 |
| 5.3 (2/13/2023) | 84.4 (8/1/2018) | (5.3 - 84.4)/(41 - 23) | -4.39444 |
| 5.3 (5/24/2023) | 84.4 (8/1/2018) | (5.3 - 84.4)/(42 - 23) | -4.16316 |
| 6.2 (8/7/2023) | 84.4 (8/1/2018) | (6.2 - 84.4)/(43 - 23) | -3.91 |
| 6.6 (12/12/2023) | 84.4 (8/1/2018) | (6.6 - 84.4)/(44 - 23) | -3.70476 |
| 15.2 (1/10/2024) | 84.4 (8/1/2018) | (15.2 - 84.4)/(45 - 23) | -3.14545 |
| 11.7 (5/20/2024) | 84.4 (8/1/2018) | (11.7 - 84.4)/(46 - 23) | -3.16087 |
| 6.13 (9/16/2024) | 84.4 (8/1/2018) | (6.13 - 84.4)/(47 - 23) | -3.26125 |
| 18.2 (12/11/2024) | 84.4 (8/1/2018) | (18.2 - 84.4)/(48 - 23) | -2.648 |
| 6.4 (2/18/2025) | 84.4 (8/1/2018) | (6.4 - 84.4)/(49 - 23) | -3 |
| | | | |
| ND<5 U (4/17/2019) | 3.1 (12/11/2018) | (5 - 3.1)/(25 - 24) | 1.9 |
| 5.2 (6/11/2019) | 3.1 (12/11/2018) | (5.2 - 3.1)/(26 - 24) | 1.05 |
| 4.8 (8/28/2019) | 3.1 (12/11/2018) | (4.8 - 3.1)/(27 - 24) | 0.566667 |
| 3.4 (10/28/2019) | 3.1 (12/11/2018) | (3.4 - 3.1)/(28 - 24) | 0.075 |
| 90 (3/31/2020) | 3.1 (12/11/2018) | (90 - 3.1)/(29 - 24) | 17.38 |
| 10.8 (6/10/2020) | 3.1 (12/11/2018) | (10.8 - 3.1)/(30 - 24) | 1.28333 |
| 5.2 (9/21/2020) | 3.1 (12/11/2018) | (5.2 - 3.1)/(31 - 24) | 0.3 |
| 5.4 (12/17/2020) | 3.1 (12/11/2018) | (5.4 - 3.1)/(32 - 24) | 0.2875 |
| 26.8 (3/18/2021) | 3.1 (12/11/2018) | (26.8 - 3.1)/(33 - 24) | 2.63333 |
| 15.6 (5/5/2021) | 3.1 (12/11/2018) | (15.6 - 3.1)/(34 - 24) | 1.25 |
| 3.4 (9/2/2021) | 3.1 (12/11/2018) | (3.4 - 3.1)/(35 - 24) | 0.0272727 |
| 19.2 (11/23/2021) | 3.1 (12/11/2018) | (19.2 - 3.1)/(36 - 24) | 1.34167 |
| 9 (1/10/2022) | 3.1 (12/11/2018) | (9 - 3.1)/(37 - 24) | 0.453846 |
| 5 (4/7/2022) | 3.1 (12/11/2018) | (5 - 3.1)/(38 - 24) | 0.135714 |
| 13.8 (8/3/2022) | 3.1 (12/11/2018) | (13.8 - 3.1)/(39 - 24) | 0.713333 |
| 13.4 (11/16/2022) | 3.1 (12/11/2018) | (13.4 - 3.1)/(40 - 24) | 0.64375 |
| 5.3 (2/13/2023) | 3.1 (12/11/2018) | (5.3 - 3.1)/(41 - 24) | 0.129412 |
| 5.3 (5/24/2023) | 3.1 (12/11/2018) | (5.3 - 3.1)/(42 - 24) | 0.122222 |
| 6.2 (8/7/2023) | 3.1 (12/11/2018) | (6.2 - 3.1)/(43 - 24) | 0.163158 |
| 6.6 (12/12/2023) | 3.1 (12/11/2018) | (6.6 - 3.1)/(44 - 24) | 0.175 |
| 15.2 (1/10/2024) | 3.1 (12/11/2018) | (15.2 - 3.1)/(45 - 24) | 0.57619 |
| 11.7 (5/20/2024) | 3.1 (12/11/2018) | (11.7 - 3.1)/(46 - 24) | 0.390909 |
| 6.13 (9/16/2024) | 3.1 (12/11/2018) | (6.13 - 3.1)/(47 - 24) | 0.131739 |
| 18.2 (12/11/2024) | 3.1 (12/11/2018) | (18.2 - 3.1)/(48 - 24) | 0.629167 |
| 6.4 (2/18/2025) | 3.1 (12/11/2018) | (6.4 - 3.1)/(49 - 24) | 0.132 |
| | | | |
| 5.2 (6/11/2019) | ND<5 U (4/17/2019) | (5.2 - 5)/(26 - 25) | 0.2 |
| 4.8 (8/28/2019) | ND<5 U (4/17/2019) | (4.8 - 5)/(27 - 25) | -0.1 |
| 3.4 (10/28/2019) | ND<5 U (4/17/2019) | (3.4 - 5)/(28 - 25) | -0.533333 |

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|---|---|---|---|
| 90 (3/31/2020) | ND<5 U (4/17/2019) | (90 - 5)/(29 - 25) | 21.25 |
| 10.8 (6/10/2020) | ND<5 U (4/17/2019) | (10.8 - 5)/(30 - 25) | 1.16 |
| 5.2 (9/21/2020) | ND<5 U (4/17/2019) | (5.2 - 5)/(31 - 25) | 0.0333333 |
| 5.4 (12/17/2020) | ND<5 U (4/17/2019) | (5.4 - 5)/(32 - 25) | 0.0571429 |
| 26.8 (3/18/2021) | ND<5 U (4/17/2019) | (26.8 - 5)/(33 - 25) | 2.725 |
| 15.6 (5/5/2021) | ND<5 U (4/17/2019) | (15.6 - 5)/(34 - 25) | 1.17778 |
| 3.4 (9/2/2021) | ND<5 U (4/17/2019) | (3.4 - 5)/(35 - 25) | -0.16 |
| 19.2 (11/23/2021) | ND<5 U (4/17/2019) | (19.2 - 5)/(36 - 25) | 1.29091 |
| 9 (1/10/2022) | ND<5 U (4/17/2019) | (9 - 5)/(37 - 25) | 0.333333 |
| 5 (4/7/2022) | ND<5 U (4/17/2019) | (5 - 5)/(38 - 25) | 0 |
| 13.8 (8/3/2022) | ND<5 U (4/17/2019) | (13.8 - 5)/(39 - 25) | 0.628571 |
| 13.4 (11/16/2022) | ND<5 U (4/17/2019) | (13.4 - 5)/(40 - 25) | 0.56 |
| 5.3 (2/13/2023) | ND<5 U (4/17/2019) | (5.3 - 5)/(41 - 25) | 0.01875 |
| 5.3 (5/24/2023) | ND<5 U (4/17/2019) | (5.3 - 5)/(42 - 25) | 0.0176471 |
| 6.2 (8/7/2023) | ND<5 U (4/17/2019) | (6.2 - 5)/(43 - 25) | 0.0666667 |
| 6.6 (12/12/2023) | ND<5 U (4/17/2019) | (6.6 - 5)/(44 - 25) | 0.0842105 |
| 15.2 (1/10/2024) | ND<5 U (4/17/2019) | (15.2 - 5)/(45 - 25) | 0.51 |
| 11.7 (5/20/2024) | ND<5 U (4/17/2019) | (11.7 - 5)/(46 - 25) | 0.319048 |
| 6.13 (9/16/2024) | ND<5 U (4/17/2019) | (6.13 - 5)/(47 - 25) | 0.0513636 |
| 18.2 (12/11/2024) | ND<5 U (4/17/2019) | (18.2 - 5)/(48 - 25) | 0.573913 |
| 6.4 (2/18/2025) | ND<5 U (4/17/2019) | (6.4 - 5)/(49 - 25) | 0.0583333 |
| | | | |
| 4.8 (8/28/2019) | 5.2 (6/11/2019) | (4.8 - 5.2)/(27 - 26) | -0.4 |
| 3.4 (10/28/2019) | 5.2 (6/11/2019) | (3.4 - 5.2)/(28 - 26) | -0.9 |
| 90 (3/31/2020) | 5.2 (6/11/2019) | (90 - 5.2)/(29 - 26) | 28.2667 |
| 10.8 (6/10/2020) | 5.2 (6/11/2019) | (10.8 - 5.2)/(30 - 26) | 1.4 |
| 5.2 (9/21/2020) | 5.2 (6/11/2019) | (5.2 - 5.2)/(31 - 26) | 0 |
| 5.4 (12/17/2020) | 5.2 (6/11/2019) | (5.4 - 5.2)/(32 - 26) | 0.0333333 |
| 26.8 (3/18/2021) | 5.2 (6/11/2019) | (26.8 - 5.2)/(33 - 26) | 3.08571 |
| 15.6 (5/5/2021) | 5.2 (6/11/2019) | (15.6 - 5.2)/(34 - 26) | 1.3 |
| 3.4 (9/2/2021) | 5.2 (6/11/2019) | (3.4 - 5.2)/(35 - 26) | -0.2 |
| 19.2 (11/23/2021) | 5.2 (6/11/2019) | (19.2 - 5.2)/(36 - 26) | 1.4 |
| 9 (1/10/2022) | 5.2 (6/11/2019) | (9 - 5.2)/(37 - 26) | 0.345455 |
| 5 (4/7/2022) | 5.2 (6/11/2019) | (5 - 5.2)/(38 - 26) | -0.0166667 |
| 13.8 (8/3/2022) | 5.2 (6/11/2019) | (13.8 - 5.2)/(39 - 26) | 0.661538 |
| 13.4 (11/16/2022) | 5.2 (6/11/2019) | (13.4 - 5.2)/(40 - 26) | 0.585714 |
| 5.3 (2/13/2023) | 5.2 (6/11/2019) | (5.3 - 5.2)/(41 - 26) | 0.00666667 |
| 5.3 (5/24/2023) | 5.2 (6/11/2019) | (5.3 - 5.2)/(42 - 26) | 0.00625 |
| 6.2 (8/7/2023) | 5.2 (6/11/2019) | (6.2 - 5.2)/(43 - 26) | 0.0588235 |
| 6.6 (12/12/2023) | 5.2 (6/11/2019) | (6.6 - 5.2)/(44 - 26) | 0.0777778 |
| 15.2 (1/10/2024) | 5.2 (6/11/2019) | (15.2 - 5.2)/(45 - 26) | 0.526316 |
| 11.7 (5/20/2024) | 5.2 (6/11/2019) | (11.7 - 5.2)/(46 - 26) | 0.325 |
| 6.13 (9/16/2024) | 5.2 (6/11/2019) | (6.13 - 5.2)/(47 - 26) | 0.0442857 |
| 18.2 (12/11/2024) | 5.2 (6/11/2019) | (18.2 - 5.2)/(48 - 26) | 0.590909 |
| 6.4 (2/18/2025) | 5.2 (6/11/2019) | (6.4 - 5.2)/(49 - 26) | 0.0521739 |
| | | | |
| 3.4 (10/28/2019) | 4.8 (8/28/2019) | (3.4 - 4.8)/(28 - 27) | -1.4 |
| 90 (3/31/2020) | 4.8 (8/28/2019) | (90 - 4.8)/(29 - 27) | 42.6 |
| 10.8 (6/10/2020) | 4.8 (8/28/2019) | (10.8 - 4.8)/(30 - 27) | 2 |
| 5.2 (9/21/2020) | 4.8 (8/28/2019) | (5.2 - 4.8)/(31 - 27) | 0.1 |
| 5.4 (12/17/2020) | 4.8 (8/28/2019) | (5.4 - 4.8)/(32 - 27) | 0.12 |
| 26.8 (3/18/2021) | 4.8 (8/28/2019) | (26.8 - 4.8)/(33 - 27) | 3.66667 |
| 15.6 (5/5/2021) | 4.8 (8/28/2019) | (15.6 - 4.8)/(34 - 27) | 1.54286 |
| 3.4 (9/2/2021) | 4.8 (8/28/2019) | (3.4 - 4.8)/(35 - 27) | -0.175 |
| 19.2 (11/23/2021) | 4.8 (8/28/2019) | (19.2 - 4.8)/(36 - 27) | 1.6 |
| 9 (1/10/2022) | 4.8 (8/28/2019) | (9 - 4.8)/(37 - 27) | 0.42 |
| 5 (4/7/2022) | 4.8 (8/28/2019) | (5 - 4.8)/(38 - 27) | 0.0181818 |

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|---|---|---|---|
| 13.8 (8/3/2022) | 4.8 (8/28/2019) | (13.8 - 4.8)/(39 - 27) | 0.75 |
| 13.4 (11/16/2022) | 4.8 (8/28/2019) | (13.4 - 4.8)/(40 - 27) | 0.661538 |
| 5.3 (2/13/2023) | 4.8 (8/28/2019) | (5.3 - 4.8)/(41 - 27) | 0.0357143 |
| 5.3 (5/24/2023) | 4.8 (8/28/2019) | (5.3 - 4.8)/(42 - 27) | 0.0333333 |
| 6.2 (8/7/2023) | 4.8 (8/28/2019) | (6.2 - 4.8)/(43 - 27) | 0.0875 |
| 6.6 (12/12/2023) | 4.8 (8/28/2019) | (6.6 - 4.8)/(44 - 27) | 0.105882 |
| 15.2 (1/10/2024) | 4.8 (8/28/2019) | (15.2 - 4.8)/(45 - 27) | 0.577778 |
| 11.7 (5/20/2024) | 4.8 (8/28/2019) | (11.7 - 4.8)/(46 - 27) | 0.363158 |
| 6.13 (9/16/2024) | 4.8 (8/28/2019) | (6.13 - 4.8)/(47 - 27) | 0.0665 |
| 18.2 (12/11/2024) | 4.8 (8/28/2019) | (18.2 - 4.8)/(48 - 27) | 0.638095 |
| 6.4 (2/18/2025) | 4.8 (8/28/2019) | (6.4 - 4.8)/(49 - 27) | 0.0727273 |
| | | | |
| 90 (3/31/2020) | 3.4 (10/28/2019) | (90 - 3.4)/(29 - 28) | 86.6 |
| 10.8 (6/10/2020) | 3.4 (10/28/2019) | (10.8 - 3.4)/(30 - 28) | 3.7 |
| 5.2 (9/21/2020) | 3.4 (10/28/2019) | (5.2 - 3.4)/(31 - 28) | 0.6 |
| 5.4 (12/17/2020) | 3.4 (10/28/2019) | (5.4 - 3.4)/(32 - 28) | 0.5 |
| 26.8 (3/18/2021) | 3.4 (10/28/2019) | (26.8 - 3.4)/(33 - 28) | 4.68 |
| 15.6 (5/5/2021) | 3.4 (10/28/2019) | (15.6 - 3.4)/(34 - 28) | 2.03333 |
| 3.4 (9/2/2021) | 3.4 (10/28/2019) | (3.4 - 3.4)/(35 - 28) | 0 |
| 19.2 (11/23/2021) | 3.4 (10/28/2019) | (19.2 - 3.4)/(36 - 28) | 1.975 |
| 9 (1/10/2022) | 3.4 (10/28/2019) | (9 - 3.4)/(37 - 28) | 0.622222 |
| 5 (4/7/2022) | 3.4 (10/28/2019) | (5 - 3.4)/(38 - 28) | 0.16 |
| 13.8 (8/3/2022) | 3.4 (10/28/2019) | (13.8 - 3.4)/(39 - 28) | 0.945455 |
| 13.4 (11/16/2022) | 3.4 (10/28/2019) | (13.4 - 3.4)/(40 - 28) | 0.833333 |
| 5.3 (2/13/2023) | 3.4 (10/28/2019) | (5.3 - 3.4)/(41 - 28) | 0.146154 |
| 5.3 (5/24/2023) | 3.4 (10/28/2019) | (5.3 - 3.4)/(42 - 28) | 0.135714 |
| 6.2 (8/7/2023) | 3.4 (10/28/2019) | (6.2 - 3.4)/(43 - 28) | 0.186667 |
| 6.6 (12/12/2023) | 3.4 (10/28/2019) | (6.6 - 3.4)/(44 - 28) | 0.2 |
| 15.2 (1/10/2024) | 3.4 (10/28/2019) | (15.2 - 3.4)/(45 - 28) | 0.694118 |
| 11.7 (5/20/2024) | 3.4 (10/28/2019) | (11.7 - 3.4)/(46 - 28) | 0.461111 |
| 6.13 (9/16/2024) | 3.4 (10/28/2019) | (6.13 - 3.4)/(47 - 28) | 0.143684 |
| 18.2 (12/11/2024) | 3.4 (10/28/2019) | (18.2 - 3.4)/(48 - 28) | 0.74 |
| 6.4 (2/18/2025) | 3.4 (10/28/2019) | (6.4 - 3.4)/(49 - 28) | 0.142857 |
| | | | |
| 10.8 (6/10/2020) | 90 (3/31/2020) | (10.8 - 90)/(30 - 29) | -79.2 |
| 5.2 (9/21/2020) | 90 (3/31/2020) | (5.2 - 90)/(31 - 29) | -42.4 |
| 5.4 (12/17/2020) | 90 (3/31/2020) | (5.4 - 90)/(32 - 29) | -28.2 |
| 26.8 (3/18/2021) | 90 (3/31/2020) | (26.8 - 90)/(33 - 29) | -15.8 |
| 15.6 (5/5/2021) | 90 (3/31/2020) | (15.6 - 90)/(34 - 29) | -14.88 |
| 3.4 (9/2/2021) | 90 (3/31/2020) | (3.4 - 90)/(35 - 29) | -14.4333 |
| 19.2 (11/23/2021) | 90 (3/31/2020) | (19.2 - 90)/(36 - 29) | -10.1143 |
| 9 (1/10/2022) | 90 (3/31/2020) | (9 - 90)/(37 - 29) | -10.125 |
| 5 (4/7/2022) | 90 (3/31/2020) | (5 - 90)/(38 - 29) | -9.44444 |
| 13.8 (8/3/2022) | 90 (3/31/2020) | (13.8 - 90)/(39 - 29) | -7.62 |
| 13.4 (11/16/2022) | 90 (3/31/2020) | (13.4 - 90)/(40 - 29) | -6.96364 |
| 5.3 (2/13/2023) | 90 (3/31/2020) | (5.3 - 90)/(41 - 29) | -7.05833 |
| 5.3 (5/24/2023) | 90 (3/31/2020) | (5.3 - 90)/(42 - 29) | -6.51538 |
| 6.2 (8/7/2023) | 90 (3/31/2020) | (6.2 - 90)/(43 - 29) | -5.98571 |
| 6.6 (12/12/2023) | 90 (3/31/2020) | (6.6 - 90)/(44 - 29) | -5.56 |
| 15.2 (1/10/2024) | 90 (3/31/2020) | (15.2 - 90)/(45 - 29) | -4.675 |
| 11.7 (5/20/2024) | 90 (3/31/2020) | (11.7 - 90)/(46 - 29) | -4.60588 |
| 6.13 (9/16/2024) | 90 (3/31/2020) | (6.13 - 90)/(47 - 29) | -4.65944 |
| 18.2 (12/11/2024) | 90 (3/31/2020) | (18.2 - 90)/(48 - 29) | -3.77895 |
| 6.4 (2/18/2025) | 90 (3/31/2020) | (6.4 - 90)/(49 - 29) | -4.18 |
| | | | |
| 5.2 (9/21/2020) | 10.8 (6/10/2020) | (5.2 - 10.8)/(31 - 30) | -5.6 |
| 5.4 (12/17/2020) | 10.8 (6/10/2020) | (5.4 - 10.8)/(32 - 30) | -2.7 |

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|---|---|---|---|
| 26.8 (3/18/2021) | 10.8 (6/10/2020) | (26.8 - 10.8)/(33 - 30) | 5.33333 |
| 15.6 (5/5/2021) | 10.8 (6/10/2020) | (15.6 - 10.8)/(34 - 30) | 1.2 |
| 3.4 (9/2/2021) | 10.8 (6/10/2020) | (3.4 - 10.8)/(35 - 30) | -1.48 |
| 19.2 (11/23/2021) | 10.8 (6/10/2020) | (19.2 - 10.8)/(36 - 30) | 1.4 |
| 9 (1/10/2022) | 10.8 (6/10/2020) | (9 - 10.8)/(37 - 30) | -0.257143 |
| 5 (4/7/2022) | 10.8 (6/10/2020) | (5 - 10.8)/(38 - 30) | -0.725 |
| 13.8 (8/3/2022) | 10.8 (6/10/2020) | (13.8 - 10.8)/(39 - 30) | 0.333333 |
| 13.4 (11/16/2022) | 10.8 (6/10/2020) | (13.4 - 10.8)/(40 - 30) | 0.26 |
| 5.3 (2/13/2023) | 10.8 (6/10/2020) | (5.3 - 10.8)/(41 - 30) | -0.5 |
| 5.3 (5/24/2023) | 10.8 (6/10/2020) | (5.3 - 10.8)/(42 - 30) | -0.458333 |
| 6.2 (8/7/2023) | 10.8 (6/10/2020) | (6.2 - 10.8)/(43 - 30) | -0.353846 |
| 6.6 (12/12/2023) | 10.8 (6/10/2020) | (6.6 - 10.8)/(44 - 30) | -0.3 |
| 15.2 (1/10/2024) | 10.8 (6/10/2020) | (15.2 - 10.8)/(45 - 30) | 0.293333 |
| 11.7 (5/20/2024) | 10.8 (6/10/2020) | (11.7 - 10.8)/(46 - 30) | 0.05625 |
| 6.13 (9/16/2024) | 10.8 (6/10/2020) | (6.13 - 10.8)/(47 - 30) | -0.274706 |
| 18.2 (12/11/2024) | 10.8 (6/10/2020) | (18.2 - 10.8)/(48 - 30) | 0.411111 |
| 6.4 (2/18/2025) | 10.8 (6/10/2020) | (6.4 - 10.8)/(49 - 30) | -0.231579 |
| | | | |
| 5.4 (12/17/2020) | 5.2 (9/21/2020) | (5.4 - 5.2)/(32 - 31) | 0.2 |
| 26.8 (3/18/2021) | 5.2 (9/21/2020) | (26.8 - 5.2)/(33 - 31) | 10.8 |
| 15.6 (5/5/2021) | 5.2 (9/21/2020) | (15.6 - 5.2)/(34 - 31) | 3.46667 |
| 3.4 (9/2/2021) | 5.2 (9/21/2020) | (3.4 - 5.2)/(35 - 31) | -0.45 |
| 19.2 (11/23/2021) | 5.2 (9/21/2020) | (19.2 - 5.2)/(36 - 31) | 2.8 |
| 9 (1/10/2022) | 5.2 (9/21/2020) | (9 - 5.2)/(37 - 31) | 0.633333 |
| 5 (4/7/2022) | 5.2 (9/21/2020) | (5 - 5.2)/(38 - 31) | -0.0285714 |
| 13.8 (8/3/2022) | 5.2 (9/21/2020) | (13.8 - 5.2)/(39 - 31) | 1.075 |
| 13.4 (11/16/2022) | 5.2 (9/21/2020) | (13.4 - 5.2)/(40 - 31) | 0.911111 |
| 5.3 (2/13/2023) | 5.2 (9/21/2020) | (5.3 - 5.2)/(41 - 31) | 0.01 |
| 5.3 (5/24/2023) | 5.2 (9/21/2020) | (5.3 - 5.2)/(42 - 31) | 0.00909091 |
| 6.2 (8/7/2023) | 5.2 (9/21/2020) | (6.2 - 5.2)/(43 - 31) | 0.0833333 |
| 6.6 (12/12/2023) | 5.2 (9/21/2020) | (6.6 - 5.2)/(44 - 31) | 0.107692 |
| 15.2 (1/10/2024) | 5.2 (9/21/2020) | (15.2 - 5.2)/(45 - 31) | 0.714286 |
| 11.7 (5/20/2024) | 5.2 (9/21/2020) | (11.7 - 5.2)/(46 - 31) | 0.433333 |
| 6.13 (9/16/2024) | 5.2 (9/21/2020) | (6.13 - 5.2)/(47 - 31) | 0.058125 |
| 18.2 (12/11/2024) | 5.2 (9/21/2020) | (18.2 - 5.2)/(48 - 31) | 0.764706 |
| 6.4 (2/18/2025) | 5.2 (9/21/2020) | (6.4 - 5.2)/(49 - 31) | 0.0666667 |
| | | | |
| 26.8 (3/18/2021) | 5.4 (12/17/2020) | (26.8 - 5.4)/(33 - 32) | 21.4 |
| 15.6 (5/5/2021) | 5.4 (12/17/2020) | (15.6 - 5.4)/(34 - 32) | 5.1 |
| 3.4 (9/2/2021) | 5.4 (12/17/2020) | (3.4 - 5.4)/(35 - 32) | -0.666667 |
| 19.2 (11/23/2021) | 5.4 (12/17/2020) | (19.2 - 5.4)/(36 - 32) | 3.45 |
| 9 (1/10/2022) | 5.4 (12/17/2020) | (9 - 5.4)/(37 - 32) | 0.72 |
| 5 (4/7/2022) | 5.4 (12/17/2020) | (5 - 5.4)/(38 - 32) | -0.0666667 |
| 13.8 (8/3/2022) | 5.4 (12/17/2020) | (13.8 - 5.4)/(39 - 32) | 1.2 |
| 13.4 (11/16/2022) | 5.4 (12/17/2020) | (13.4 - 5.4)/(40 - 32) | 1 |
| 5.3 (2/13/2023) | 5.4 (12/17/2020) | (5.3 - 5.4)/(41 - 32) | -0.0111111 |
| 5.3 (5/24/2023) | 5.4 (12/17/2020) | (5.3 - 5.4)/(42 - 32) | -0.01 |
| 6.2 (8/7/2023) | 5.4 (12/17/2020) | (6.2 - 5.4)/(43 - 32) | 0.0727273 |
| 6.6 (12/12/2023) | 5.4 (12/17/2020) | (6.6 - 5.4)/(44 - 32) | 0.1 |
| 15.2 (1/10/2024) | 5.4 (12/17/2020) | (15.2 - 5.4)/(45 - 32) | 0.753846 |
| 11.7 (5/20/2024) | 5.4 (12/17/2020) | (11.7 - 5.4)/(46 - 32) | 0.45 |
| 6.13 (9/16/2024) | 5.4 (12/17/2020) | (6.13 - 5.4)/(47 - 32) | 0.0486667 |
| 18.2 (12/11/2024) | 5.4 (12/17/2020) | (18.2 - 5.4)/(48 - 32) | 0.8 |
| 6.4 (2/18/2025) | 5.4 (12/17/2020) | (6.4 - 5.4)/(49 - 32) | 0.0588235 |
| | | | |
| 15.6 (5/5/2021) | 26.8 (3/18/2021) | (15.6 - 26.8)/(34 - 33) | -11.2 |
| 3.4 (9/2/2021) | 26.8 (3/18/2021) | (3.4 - 26.8)/(35 - 33) | -11.7 |

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| 19.2 (11/23/2021) | 26.8 (3/18/2021) | (19.2 - 26.8)/(36 - 33) | -2.53333 |
| 9 (1/10/2022) | 26.8 (3/18/2021) | (9 - 26.8)/(37 - 33) | -4.45 |
| 5 (4/7/2022) | 26.8 (3/18/2021) | (5 - 26.8)/(38 - 33) | -4.36 |
| 13.8 (8/3/2022) | 26.8 (3/18/2021) | (13.8 - 26.8)/(39 - 33) | -2.16667 |
| 13.4 (11/16/2022) | 26.8 (3/18/2021) | (13.4 - 26.8)/(40 - 33) | -1.91429 |
| 5.3 (2/13/2023) | 26.8 (3/18/2021) | (5.3 - 26.8)/(41 - 33) | -2.6875 |
| 5.3 (5/24/2023) | 26.8 (3/18/2021) | (5.3 - 26.8)/(42 - 33) | -2.38889 |
| 6.2 (8/7/2023) | 26.8 (3/18/2021) | (6.2 - 26.8)/(43 - 33) | -2.06 |
| 6.6 (12/12/2023) | 26.8 (3/18/2021) | (6.6 - 26.8)/(44 - 33) | -1.83636 |
| 15.2 (1/10/2024) | 26.8 (3/18/2021) | (15.2 - 26.8)/(45 - 33) | -0.966667 |
| 11.7 (5/20/2024) | 26.8 (3/18/2021) | (11.7 - 26.8)/(46 - 33) | -1.16154 |
| 6.13 (9/16/2024) | 26.8 (3/18/2021) | (6.13 - 26.8)/(47 - 33) | -1.47643 |
| 18.2 (12/11/2024) | 26.8 (3/18/2021) | (18.2 - 26.8)/(48 - 33) | -0.573333 |
| 6.4 (2/18/2025) | 26.8 (3/18/2021) | (6.4 - 26.8)/(49 - 33) | -1.275 |
| | | | |
| 3.4 (9/2/2021) | 15.6 (5/5/2021) | (3.4 - 15.6)/(35 - 34) | -12.2 |
| 19.2 (11/23/2021) | 15.6 (5/5/2021) | (19.2 - 15.6)/(36 - 34) | 1.8 |
| 9 (1/10/2022) | 15.6 (5/5/2021) | (9 - 15.6)/(37 - 34) | -2.2 |
| 5 (4/7/2022) | 15.6 (5/5/2021) | (5 - 15.6)/(38 - 34) | -2.65 |
| 13.8 (8/3/2022) | 15.6 (5/5/2021) | (13.8 - 15.6)/(39 - 34) | -0.36 |
| 13.4 (11/16/2022) | 15.6 (5/5/2021) | (13.4 - 15.6)/(40 - 34) | -0.366667 |
| 5.3 (2/13/2023) | 15.6 (5/5/2021) | (5.3 - 15.6)/(41 - 34) | -1.47143 |
| 5.3 (5/24/2023) | 15.6 (5/5/2021) | (5.3 - 15.6)/(42 - 34) | -1.2875 |
| 6.2 (8/7/2023) | 15.6 (5/5/2021) | (6.2 - 15.6)/(43 - 34) | -1.04444 |
| 6.6 (12/12/2023) | 15.6 (5/5/2021) | (6.6 - 15.6)/(44 - 34) | -0.9 |
| 15.2 (1/10/2024) | 15.6 (5/5/2021) | (15.2 - 15.6)/(45 - 34) | -0.0363636 |
| 11.7 (5/20/2024) | 15.6 (5/5/2021) | (11.7 - 15.6)/(46 - 34) | -0.325 |
| 6.13 (9/16/2024) | 15.6 (5/5/2021) | (6.13 - 15.6)/(47 - 34) | -0.728462 |
| 18.2 (12/11/2024) | 15.6 (5/5/2021) | (18.2 - 15.6)/(48 - 34) | 0.185714 |
| 6.4 (2/18/2025) | 15.6 (5/5/2021) | (6.4 - 15.6)/(49 - 34) | -0.613333 |
| | | | |
| 19.2 (11/23/2021) | 3.4 (9/2/2021) | (19.2 - 3.4)/(36 - 35) | 15.8 |
| 9 (1/10/2022) | 3.4 (9/2/2021) | (9 - 3.4)/(37 - 35) | 2.8 |
| 5 (4/7/2022) | 3.4 (9/2/2021) | (5 - 3.4)/(38 - 35) | 0.533333 |
| 13.8 (8/3/2022) | 3.4 (9/2/2021) | (13.8 - 3.4)/(39 - 35) | 2.6 |
| 13.4 (11/16/2022) | 3.4 (9/2/2021) | (13.4 - 3.4)/(40 - 35) | 2 |
| 5.3 (2/13/2023) | 3.4 (9/2/2021) | (5.3 - 3.4)/(41 - 35) | 0.316667 |
| 5.3 (5/24/2023) | 3.4 (9/2/2021) | (5.3 - 3.4)/(42 - 35) | 0.271429 |
| 6.2 (8/7/2023) | 3.4 (9/2/2021) | (6.2 - 3.4)/(43 - 35) | 0.35 |
| 6.6 (12/12/2023) | 3.4 (9/2/2021) | (6.6 - 3.4)/(44 - 35) | 0.355556 |
| 15.2 (1/10/2024) | 3.4 (9/2/2021) | (15.2 - 3.4)/(45 - 35) | 1.18 |
| 11.7 (5/20/2024) | 3.4 (9/2/2021) | (11.7 - 3.4)/(46 - 35) | 0.754545 |
| 6.13 (9/16/2024) | 3.4 (9/2/2021) | (6.13 - 3.4)/(47 - 35) | 0.2275 |
| 18.2 (12/11/2024) | 3.4 (9/2/2021) | (18.2 - 3.4)/(48 - 35) | 1.13846 |
| 6.4 (2/18/2025) | 3.4 (9/2/2021) | (6.4 - 3.4)/(49 - 35) | 0.214286 |
| | | | |
| 9 (1/10/2022) | 19.2 (11/23/2021) | (9 - 19.2)/(37 - 36) | -10.2 |
| 5 (4/7/2022) | 19.2 (11/23/2021) | (5 - 19.2)/(38 - 36) | -7.1 |
| 13.8 (8/3/2022) | 19.2 (11/23/2021) | (13.8 - 19.2)/(39 - 36) | -1.8 |
| 13.4 (11/16/2022) | 19.2 (11/23/2021) | (13.4 - 19.2)/(40 - 36) | -1.45 |
| 5.3 (2/13/2023) | 19.2 (11/23/2021) | (5.3 - 19.2)/(41 - 36) | -2.78 |
| 5.3 (5/24/2023) | 19.2 (11/23/2021) | (5.3 - 19.2)/(42 - 36) | -2.31667 |
| 6.2 (8/7/2023) | 19.2 (11/23/2021) | (6.2 - 19.2)/(43 - 36) | -1.85714 |
| 6.6 (12/12/2023) | 19.2 (11/23/2021) | (6.6 - 19.2)/(44 - 36) | -1.575 |
| 15.2 (1/10/2024) | 19.2 (11/23/2021) | (15.2 - 19.2)/(45 - 36) | -0.444444 |
| 11.7 (5/20/2024) | 19.2 (11/23/2021) | (11.7 - 19.2)/(46 - 36) | -0.75 |
| 6.13 (9/16/2024) | 19.2 (11/23/2021) | (6.13 - 19.2)/(47 - 36) | -1.18818 |

| | | | |
|---|---|---|---|
| 18.2 (12/11/2024) | 19.2 (11/23/2021) | (18.2 - 19.2)/(48 - 36) | -0.0833333 |
| 6.4 (2/18/2025) | 19.2 (11/23/2021) | (6.4 - 19.2)/(49 - 36) | -0.984615 |
| | | | |
| 5 (4/7/2022) | 9 (1/10/2022) | (5 - 9)/(38 - 37) | -4 |
| 13.8 (8/3/2022) | 9 (1/10/2022) | (13.8 - 9)/(39 - 37) | 2.4 |
| 13.4 (11/16/2022) | 9 (1/10/2022) | (13.4 - 9)/(40 - 37) | 1.46667 |
| 5.3 (2/13/2023) | 9 (1/10/2022) | (5.3 - 9)/(41 - 37) | -0.925 |
| 5.3 (5/24/2023) | 9 (1/10/2022) | (5.3 - 9)/(42 - 37) | -0.74 |
| 6.2 (8/7/2023) | 9 (1/10/2022) | (6.2 - 9)/(43 - 37) | -0.466667 |
| 6.6 (12/12/2023) | 9 (1/10/2022) | (6.6 - 9)/(44 - 37) | -0.342857 |
| 15.2 (1/10/2024) | 9 (1/10/2022) | (15.2 - 9)/(45 - 37) | 0.775 |
| 11.7 (5/20/2024) | 9 (1/10/2022) | (11.7 - 9)/(46 - 37) | 0.3 |
| 6.13 (9/16/2024) | 9 (1/10/2022) | (6.13 - 9)/(47 - 37) | -0.287 |
| 18.2 (12/11/2024) | 9 (1/10/2022) | (18.2 - 9)/(48 - 37) | 0.836364 |
| 6.4 (2/18/2025) | 9 (1/10/2022) | (6.4 - 9)/(49 - 37) | -0.216667 |
| | | | |
| 13.8 (8/3/2022) | 5 (4/7/2022) | (13.8 - 5)/(39 - 38) | 8.8 |
| 13.4 (11/16/2022) | 5 (4/7/2022) | (13.4 - 5)/(40 - 38) | 4.2 |
| 5.3 (2/13/2023) | 5 (4/7/2022) | (5.3 - 5)/(41 - 38) | 0.1 |
| 5.3 (5/24/2023) | 5 (4/7/2022) | (5.3 - 5)/(42 - 38) | 0.075 |
| 6.2 (8/7/2023) | 5 (4/7/2022) | (6.2 - 5)/(43 - 38) | 0.24 |
| 6.6 (12/12/2023) | 5 (4/7/2022) | (6.6 - 5)/(44 - 38) | 0.266667 |
| 15.2 (1/10/2024) | 5 (4/7/2022) | (15.2 - 5)/(45 - 38) | 1.45714 |
| 11.7 (5/20/2024) | 5 (4/7/2022) | (11.7 - 5)/(46 - 38) | 0.8375 |
| 6.13 (9/16/2024) | 5 (4/7/2022) | (6.13 - 5)/(47 - 38) | 0.125556 |
| 18.2 (12/11/2024) | 5 (4/7/2022) | (18.2 - 5)/(48 - 38) | 1.32 |
| 6.4 (2/18/2025) | 5 (4/7/2022) | (6.4 - 5)/(49 - 38) | 0.127273 |
| | | | |
| 13.4 (11/16/2022) | 13.8 (8/3/2022) | (13.4 - 13.8)/(40 - 39) | -0.4 |
| 5.3 (2/13/2023) | 13.8 (8/3/2022) | (5.3 - 13.8)/(41 - 39) | -4.25 |
| 5.3 (5/24/2023) | 13.8 (8/3/2022) | (5.3 - 13.8)/(42 - 39) | -2.83333 |
| 6.2 (8/7/2023) | 13.8 (8/3/2022) | (6.2 - 13.8)/(43 - 39) | -1.9 |
| 6.6 (12/12/2023) | 13.8 (8/3/2022) | (6.6 - 13.8)/(44 - 39) | -1.44 |
| 15.2 (1/10/2024) | 13.8 (8/3/2022) | (15.2 - 13.8)/(45 - 39) | 0.233333 |
| 11.7 (5/20/2024) | 13.8 (8/3/2022) | (11.7 - 13.8)/(46 - 39) | -0.3 |
| 6.13 (9/16/2024) | 13.8 (8/3/2022) | (6.13 - 13.8)/(47 - 39) | -0.95875 |
| 18.2 (12/11/2024) | 13.8 (8/3/2022) | (18.2 - 13.8)/(48 - 39) | 0.488889 |
| 6.4 (2/18/2025) | 13.8 (8/3/2022) | (6.4 - 13.8)/(49 - 39) | -0.74 |
| | | | |
| 5.3 (2/13/2023) | 13.4 (11/16/2022) | (5.3 - 13.4)/(41 - 40) | -8.1 |
| 5.3 (5/24/2023) | 13.4 (11/16/2022) | (5.3 - 13.4)/(42 - 40) | -4.05 |
| 6.2 (8/7/2023) | 13.4 (11/16/2022) | (6.2 - 13.4)/(43 - 40) | -2.4 |
| 6.6 (12/12/2023) | 13.4 (11/16/2022) | (6.6 - 13.4)/(44 - 40) | -1.7 |
| 15.2 (1/10/2024) | 13.4 (11/16/2022) | (15.2 - 13.4)/(45 - 40) | 0.36 |
| 11.7 (5/20/2024) | 13.4 (11/16/2022) | (11.7 - 13.4)/(46 - 40) | -0.283333 |
| 6.13 (9/16/2024) | 13.4 (11/16/2022) | (6.13 - 13.4)/(47 - 40) | -1.03857 |
| 18.2 (12/11/2024) | 13.4 (11/16/2022) | (18.2 - 13.4)/(48 - 40) | 0.6 |
| 6.4 (2/18/2025) | 13.4 (11/16/2022) | (6.4 - 13.4)/(49 - 40) | -0.777778 |
| | | | |
| 5.3 (5/24/2023) | 5.3 (2/13/2023) | (5.3 - 5.3)/(42 - 41) | 0 |
| 6.2 (8/7/2023) | 5.3 (2/13/2023) | (6.2 - 5.3)/(43 - 41) | 0.45 |
| 6.6 (12/12/2023) | 5.3 (2/13/2023) | (6.6 - 5.3)/(44 - 41) | 0.433333 |
| 15.2 (1/10/2024) | 5.3 (2/13/2023) | (15.2 - 5.3)/(45 - 41) | 2.475 |
| 11.7 (5/20/2024) | 5.3 (2/13/2023) | (11.7 - 5.3)/(46 - 41) | 1.28 |
| 6.13 (9/16/2024) | 5.3 (2/13/2023) | (6.13 - 5.3)/(47 - 41) | 0.138333 |
| 18.2 (12/11/2024) | 5.3 (2/13/2023) | (18.2 - 5.3)/(48 - 41) | 1.84286 |
| 6.4 (2/18/2025) | 5.3 (2/13/2023) | (6.4 - 5.3)/(49 - 41) | 0.1375 |

| | | | |
|---|---|---|---|
| 6.2 (8/7/2023) | 5.3 (5/24/2023) | (6.2 - 5.3)/(43 - 42) | 0.9 |
| 6.6 (12/12/2023) | 5.3 (5/24/2023) | (6.6 - 5.3)/(44 - 42) | 0.65 |
| 15.2 (1/10/2024) | 5.3 (5/24/2023) | (15.2 - 5.3)/(45 - 42) | 3.3 |
| 11.7 (5/20/2024) | 5.3 (5/24/2023) | (11.7 - 5.3)/(46 - 42) | 1.6 |
| 6.13 (9/16/2024) | 5.3 (5/24/2023) | (6.13 - 5.3)/(47 - 42) | 0.166 |
| 18.2 (12/11/2024) | 5.3 (5/24/2023) | (18.2 - 5.3)/(48 - 42) | 2.15 |
| 6.4 (2/18/2025) | 5.3 (5/24/2023) | (6.4 - 5.3)/(49 - 42) | 0.157143 |
| | | | |
| 6.6 (12/12/2023) | 6.2 (8/7/2023) | (6.6 - 6.2)/(44 - 43) | 0.4 |
| 15.2 (1/10/2024) | 6.2 (8/7/2023) | (15.2 - 6.2)/(45 - 43) | 4.5 |
| 11.7 (5/20/2024) | 6.2 (8/7/2023) | (11.7 - 6.2)/(46 - 43) | 1.83333 |
| 6.13 (9/16/2024) | 6.2 (8/7/2023) | (6.13 - 6.2)/(47 - 43) | -0.0175 |
| 18.2 (12/11/2024) | 6.2 (8/7/2023) | (18.2 - 6.2)/(48 - 43) | 2.4 |
| 6.4 (2/18/2025) | 6.2 (8/7/2023) | (6.4 - 6.2)/(49 - 43) | 0.0333333 |
| | | | |
| 15.2 (1/10/2024) | 6.6 (12/12/2023) | (15.2 - 6.6)/(45 - 44) | 8.6 |
| 11.7 (5/20/2024) | 6.6 (12/12/2023) | (11.7 - 6.6)/(46 - 44) | 2.55 |
| 6.13 (9/16/2024) | 6.6 (12/12/2023) | (6.13 - 6.6)/(47 - 44) | -0.156667 |
| 18.2 (12/11/2024) | 6.6 (12/12/2023) | (18.2 - 6.6)/(48 - 44) | 2.9 |
| 6.4 (2/18/2025) | 6.6 (12/12/2023) | (6.4 - 6.6)/(49 - 44) | -0.04 |
| | | | |
| 11.7 (5/20/2024) | 15.2 (1/10/2024) | (11.7 - 15.2)/(46 - 45) | -3.5 |
| 6.13 (9/16/2024) | 15.2 (1/10/2024) | (6.13 - 15.2)/(47 - 45) | -4.535 |
| 18.2 (12/11/2024) | 15.2 (1/10/2024) | (18.2 - 15.2)/(48 - 45) | 1 |
| 6.4 (2/18/2025) | 15.2 (1/10/2024) | (6.4 - 15.2)/(49 - 45) | -2.2 |
| | | | |
| 6.13 (9/16/2024) | 11.7 (5/20/2024) | (6.13 - 11.7)/(47 - 46) | -5.57 |
| 18.2 (12/11/2024) | 11.7 (5/20/2024) | (18.2 - 11.7)/(48 - 46) | 3.25 |
| 6.4 (2/18/2025) | 11.7 (5/20/2024) | (6.4 - 11.7)/(49 - 46) | -1.76667 |
| | | | |
| 18.2 (12/11/2024) | 6.13 (9/16/2024) | (18.2 - 6.13)/(48 - 47) | 12.07 |
| 6.4 (2/18/2025) | 6.13 (9/16/2024) | (6.4 - 6.13)/(49 - 47) | 0.135 |
| | | | |
| 6.4 (2/18/2025) | 18.2 (12/11/2024) | (6.4 - 18.2)/(49 - 48) | -11.8 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -81.3 |
| 2 | -79.2 |
| 3 | -54.7 |
| 4 | -42.4 |
| 5 | -39.7 |
| 6 | -29.85 |
| 7 | -28.2 |
| 8 | -26.4 |
| 9 | -19.9 |
| 10 | -19.7333 |
| 11 | -16.2 |
| 12 | -15.8 |
| 13 | -14.88 |
| 14 | -14.4333 |
| 15 | -13.82 |
| 16 | -13.2 |

| | |
|---|---|
| 17 | -12.2 |
| 18 | -11.8 |
| 19 | -11.7 |
| 20 | -11.2 |
| 21 | -11.2 |
| 22 | -10.5143 |
| 23 | -10.2 |
| 24 | -10.125 |
| 25 | -10.1143 |
| 26 | -9.9 |
| 27 | -9.57143 |
| 28 | -9.44444 |
| 29 | -8.77778 |
| 30 | -8.425 |
| 31 | -8.4 |
| 32 | -8.1 |
| 33 | -7.64444 |
| 34 | -7.62 |
| 35 | -7.1 |
| 36 | -7.05833 |
| 37 | -6.96364 |
| 38 | -6.75 |
| 39 | -6.7 |
| 40 | -6.51538 |
| 41 | -6.25455 |
| 42 | -5.98571 |
| 43 | -5.76 |
| 44 | -5.7 |
| 45 | -5.6 |
| 46 | -5.58333 |
| 47 | -5.58182 |
| 48 | -5.57 |
| 49 | -5.56 |
| 50 | -5.38571 |
| 51 | -5.29333 |
| 52 | -5.13846 |
| 53 | -5.01538 |
| 54 | -5 |
| 55 | -4.95 |
| 56 | -4.7 |
| 57 | -4.675 |
| 58 | -4.65944 |
| 59 | -4.60588 |
| 60 | -4.535 |
| 61 | -4.45 |
| 62 | -4.4125 |
| 63 | -4.39444 |
| 64 | -4.36 |
| 65 | -4.3 |
| 66 | -4.25 |
| 67 | -4.18 |
| 68 | -4.17647 |
| 69 | -4.16316 |
| 70 | -4.05 |
| 71 | -4 |
| 72 | -3.91 |
| 73 | -3.9 |

| | |
|---|---|
| 74 | -3.85 |
| 75 | -3.77895 |
| 76 | -3.77333 |
| 77 | -3.70476 |
| 78 | -3.6 |
| 79 | -3.55 |
| 80 | -3.53684 |
| 81 | -3.51111 |
| 82 | -3.5 |
| 83 | -3.26125 |
| 84 | -3.24286 |
| 85 | -3.16087 |
| 86 | -3.14545 |
| 87 | -3.13333 |
| 88 | -3.11765 |
| 89 | -3.1 |
| 90 | -3.04091 |
| 91 | -3 |
| 92 | -3 |
| 93 | -2.92 |
| 94 | -2.9087 |
| 95 | -2.83333 |
| 96 | -2.8 |
| 97 | -2.78 |
| 98 | -2.75 |
| 99 | -2.7 |
| 100 | -2.6875 |
| 101 | -2.66667 |
| 102 | -2.65 |
| 103 | -2.648 |
| 104 | -2.624 |
| 105 | -2.53333 |
| 106 | -2.5 |
| 107 | -2.5 |
| 108 | -2.4 |
| 109 | -2.4 |
| 110 | -2.38889 |
| 111 | -2.35964 |
| 112 | -2.31667 |
| 113 | -2.25 |
| 114 | -2.24074 |
| 115 | -2.2 |
| 116 | -2.2 |
| 117 | -2.19333 |
| 118 | -2.19231 |
| 119 | -2.16667 |
| 120 | -2.13333 |
| 121 | -2.06 |
| 122 | -2.05 |
| 123 | -2 |
| 124 | -1.95 |
| 125 | -1.91667 |
| 126 | -1.91429 |
| 127 | -1.9 |
| 128 | -1.9 |
| 129 | -1.875 |
| 130 | -1.86207 |

| | |
|---|---|
| 131 | -1.85714 |
| 132 | -1.83636 |
| 133 | -1.81429 |
| 134 | -1.8 |
| 135 | -1.76667 |
| 136 | -1.7625 |
| 137 | -1.75 |
| 138 | -1.7 |
| 139 | -1.64 |
| 140 | -1.6 |
| 141 | -1.575 |
| 142 | -1.53333 |
| 143 | -1.5 |
| 144 | -1.48 |
| 145 | -1.47643 |
| 146 | -1.47143 |
| 147 | -1.46 |
| 148 | -1.45 |
| 149 | -1.44 |
| 150 | -1.42 |
| 151 | -1.4 |
| 152 | -1.4 |
| 153 | -1.36 |
| 154 | -1.35 |
| 155 | -1.33333 |
| 156 | -1.3 |
| 157 | -1.2875 |
| 158 | -1.28333 |
| 159 | -1.28 |
| 160 | -1.275 |
| 161 | -1.25 |
| 162 | -1.2 |
| 163 | -1.2 |
| 164 | -1.18818 |
| 165 | -1.16154 |
| 166 | -1.11818 |
| 167 | -1.1 |
| 168 | -1.1 |
| 169 | -1.04444 |
| 170 | -1.04286 |
| 171 | -1.03857 |
| 172 | -1.02222 |
| 173 | -1.00833 |
| 174 | -1 |
| 175 | -1 |
| 176 | -1 |
| 177 | -0.993333 |
| 178 | -0.984615 |
| 179 | -0.966667 |
| 180 | -0.966667 |
| 181 | -0.96 |
| 182 | -0.95875 |
| 183 | -0.95 |
| 184 | -0.95 |
| 185 | -0.941667 |
| 186 | -0.94 |
| 187 | -0.94 |

| | |
|---|---|
| 188 | -0.925 |
| 189 | -0.9 |
| 190 | -0.9 |
| 191 | -0.9 |
| 192 | -0.89 |
| 193 | -0.8875 |
| 194 | -0.871429 |
| 195 | -0.866667 |
| 196 | -0.866667 |
| 197 | -0.833333 |
| 198 | -0.833333 |
| 199 | -0.822222 |
| 200 | -0.8125 |
| 201 | -0.8 |
| 202 | -0.78 |
| 203 | -0.777778 |
| 204 | -0.771429 |
| 205 | -0.768421 |
| 206 | -0.766667 |
| 207 | -0.76 |
| 208 | -0.755556 |
| 209 | -0.752941 |
| 210 | -0.75 |
| 211 | -0.74 |
| 212 | -0.74 |
| 213 | -0.738462 |
| 214 | -0.733333 |
| 215 | -0.73 |
| 216 | -0.728462 |
| 217 | -0.725 |
| 218 | -0.723077 |
| 219 | -0.708333 |
| 220 | -0.7 |
| 221 | -0.694444 |
| 222 | -0.6875 |
| 223 | -0.67 |
| 224 | -0.67 |
| 225 | -0.666667 |
| 226 | -0.666667 |
| 227 | -0.657143 |
| 228 | -0.65 |
| 229 | -0.645455 |
| 230 | -0.645455 |
| 231 | -0.64 |
| 232 | -0.633333 |
| 233 | -0.625 |
| 234 | -0.613333 |
| 235 | -0.6 |
| 236 | -0.581818 |
| 237 | -0.580952 |
| 238 | -0.573333 |
| 239 | -0.561538 |
| 240 | -0.554545 |
| 241 | -0.547826 |
| 242 | -0.546154 |
| 243 | -0.545455 |
| 244 | -0.536364 |

| | |
|---|---|
| 245 | -0.535714 |
| 246 | -0.533333 |
| 247 | -0.523529 |
| 248 | -0.52 |
| 249 | -0.5 |
| 250 | -0.5 |
| 251 | -0.5 |
| 252 | -0.5 |
| 253 | -0.49375 |
| 254 | -0.492857 |
| 255 | -0.491304 |
| 256 | -0.49 |
| 257 | -0.484211 |
| 258 | -0.478261 |
| 259 | -0.475 |
| 260 | -0.473913 |
| 261 | -0.469231 |
| 262 | -0.466667 |
| 263 | -0.458333 |
| 264 | -0.458333 |
| 265 | -0.454167 |
| 266 | -0.45 |
| 267 | -0.45 |
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| 990 | 0.890909 |
| 991 | 0.9 |
| 992 | 0.9 |
| 993 | 0.911111 |
| 994 | 0.925 |
| 995 | 0.933333 |
| 996 | 0.934615 |
| 997 | 0.9375 |
| 998 | 0.938889 |
| 999 | 0.94 |
| 1000 | 0.945455 |
| 1001 | 0.956522 |
| 1002 | 0.966667 |
| 1003 | 1 |
| 1004 | 1 |
| 1005 | 1 |
| 1006 | 1.00909 |
| 1007 | 1.02 |
| 1008 | 1.04 |
| 1009 | 1.04444 |
| 1010 | 1.05 |
| 1011 | 1.075 |
| 1012 | 1.1 |
| 1013 | 1.1 |
| 1014 | 1.125 |
| 1015 | 1.13846 |
| 1016 | 1.15385 |
| 1017 | 1.16 |
| 1018 | 1.175 |
| 1019 | 1.17778 |
| 1020 | 1.18 |
| 1021 | 1.18333 |
| 1022 | 1.19167 |
| 1023 | 1.2 |
| 1024 | 1.2 |
| 1025 | 1.2 |
| 1026 | 1.2 |
| 1027 | 1.25 |
| 1028 | 1.25455 |
| 1029 | 1.26 |
| 1030 | 1.27 |
| 1031 | 1.28 |
| 1032 | 1.28333 |
| 1033 | 1.29091 |
| 1034 | 1.3 |
| 1035 | 1.32 |
| 1036 | 1.325 |
| 1037 | 1.34167 |
| 1038 | 1.4 |
| 1039 | 1.4 |
| 1040 | 1.4 |
| 1041 | 1.4 |
| 1042 | 1.43333 |

| | |
|---|---|
| 1043 | 1.45714 |
| 1044 | 1.46 |
| 1045 | 1.46667 |
| 1046 | 1.52 |
| 1047 | 1.525 |
| 1048 | 1.54286 |
| 1049 | 1.6 |
| 1050 | 1.6 |
| 1051 | 1.6 |
| 1052 | 1.64286 |
| 1053 | 1.65 |
| 1054 | 1.78 |
| 1055 | 1.8 |
| 1056 | 1.83333 |
| 1057 | 1.84286 |
| 1058 | 1.9 |
| 1059 | 1.9 |
| 1060 | 1.95 |
| 1061 | 1.95 |
| 1062 | 1.96667 |
| 1063 | 1.975 |
| 1064 | 2 |
| 1065 | 2 |
| 1066 | 2 |
| 1067 | 2.03333 |
| 1068 | 2.1 |
| 1069 | 2.1 |
| 1070 | 2.15 |
| 1071 | 2.38 |
| 1072 | 2.4 |
| 1073 | 2.4 |
| 1074 | 2.475 |
| 1075 | 2.55 |
| 1076 | 2.6 |
| 1077 | 2.6 |
| 1078 | 2.63333 |
| 1079 | 2.71429 |
| 1080 | 2.725 |
| 1081 | 2.8 |
| 1082 | 2.8 |
| 1083 | 2.88889 |
| 1084 | 2.9 |
| 1085 | 3.05 |
| 1086 | 3.08571 |
| 1087 | 3.16667 |
| 1088 | 3.2 |
| 1089 | 3.2 |
| 1090 | 3.21923 |
| 1091 | 3.23333 |
| 1092 | 3.25 |
| 1093 | 3.3 |
| 1094 | 3.35 |
| 1095 | 3.44762 |
| 1096 | 3.45 |
| 1097 | 3.46667 |
| 1098 | 3.54118 |
| 1099 | 3.6 |

| | |
|---|---|
| 1100 | 3.6 |
| 1101 | 3.6 |
| 1102 | 3.66667 |
| 1103 | 3.7 |
| 1104 | 3.7 |
| 1105 | 3.7619 |
| 1106 | 3.905 |
| 1107 | 3.91579 |
| 1108 | 3.97727 |
| 1109 | 4.11875 |
| 1110 | 4.14667 |
| 1111 | 4.15556 |
| 1112 | 4.2 |
| 1113 | 4.3 |
| 1114 | 4.44706 |
| 1115 | 4.47143 |
| 1116 | 4.48421 |
| 1117 | 4.5 |
| 1118 | 4.54118 |
| 1119 | 4.68 |
| 1120 | 4.74286 |
| 1121 | 4.74444 |
| 1122 | 4.8 |
| 1123 | 4.89333 |
| 1124 | 4.9 |
| 1125 | 5 |
| 1126 | 5.1 |
| 1127 | 5.11875 |
| 1128 | 5.25 |
| 1129 | 5.27333 |
| 1130 | 5.33333 |
| 1131 | 5.42 |
| 1132 | 5.56364 |
| 1133 | 5.72143 |
| 1134 | 5.80833 |
| 1135 | 6.00769 |
| 1136 | 6.12308 |
| 1137 | 6.36364 |
| 1138 | 6.65 |
| 1139 | 6.83333 |
| 1140 | 7 |
| 1141 | 7.06364 |
| 1142 | 7.48889 |
| 1143 | 7.75 |
| 1144 | 7.84 |
| 1145 | 8.05556 |
| 1146 | 8.16667 |
| 1147 | 8.25714 |
| 1148 | 8.45 |
| 1149 | 8.5 |
| 1150 | 8.6 |
| 1151 | 8.8 |
| 1152 | 9.3125 |
| 1153 | 9.6875 |
| 1154 | 9.8 |
| 1155 | 10.3571 |
| 1156 | 10.8 |

| | |
|---|---|
| 1157 | 11 |
| 1158 | 11.0333 |
| 1159 | 12.07 |
| 1160 | 12.26 |
| 1161 | 12.7333 |
| 1162 | 14.42 |
| 1163 | 15.575 |
| 1164 | 15.8 |
| 1165 | 17.38 |
| 1166 | 20.1 |
| 1167 | 21.25 |
| 1168 | 21.4 |
| 1169 | 22.3 |
| 1170 | 28.2667 |
| 1171 | 32.1 |
| 1172 | 35.95 |
| 1173 | 42.6 |
| 1174 | 59.9 |
| 1175 | 71.4 |
| 1176 | 86.6 |

Sen's Estimator (Median Q) is 0.0105556

| Tied Group | Value | Members |
|---|---|---|
| 1 | 4.8 | 2 |
| 2 | 5 | 2 |
| 3 | 5.2 | 2 |
| 4 | 3.4 | 2 |
| 5 | 5.3 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |

| | |
|---|---|
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 90
B = 0
C = 0
D = 0
E = 10
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13453.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.786
M1 = (1176 - 190.786)/2.0 = 492.607
M2 = (1176 + 190.786)/2.0 + 1 = 684.393
Lower limit is -0.090625 = Q(493)
Upper limit is 0.0875 = Q(684)
-0.090625 < 0 < 0.0875 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 1
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 14 (5/8/2013) | 16 (3/12/2013) | (14 - 16)/(2 - 1) | -2 |
| 15 (9/23/2013) | 16 (3/12/2013) | (15 - 16)/(3 - 1) | -0.5 |
| 21 (12/10/2013) | 16 (3/12/2013) | (21 - 16)/(4 - 1) | 1.66667 |
| 23 (2/6/2014) | 16 (3/12/2013) | (23 - 16)/(5 - 1) | 1.75 |
| 13 (6/26/2014) | 16 (3/12/2013) | (13 - 16)/(6 - 1) | -0.6 |
| 34 (9/30/2014) | 16 (3/12/2013) | (34 - 16)/(7 - 1) | 3 |
| 19 (11/19/2014) | 16 (3/12/2013) | (19 - 16)/(8 - 1) | 0.428571 |
| 14 (3/23/2015) | 16 (3/12/2013) | (14 - 16)/(9 - 1) | -0.25 |
| 18 (4/22/2015) | 16 (3/12/2013) | (18 - 16)/(10 - 1) | 0.222222 |
| 15.3 (9/30/2015) | 16 (3/12/2013) | (15.3 - 16)/(11 - 1) | -0.07 |
| 23.2 (11/19/2015) | 16 (3/12/2013) | (23.2 - 16)/(12 - 1) | 0.654545 |
| 17.7 (3/15/2016) | 16 (3/12/2013) | (17.7 - 16)/(13 - 1) | 0.141667 |
| 20.3 (6/29/2016) | 16 (3/12/2013) | (20.3 - 16)/(14 - 1) | 0.330769 |
| 12.6 (8/9/2016) | 16 (3/12/2013) | (12.6 - 16)/(15 - 1) | -0.242857 |
| 17.7 (12/7/2016) | 16 (3/12/2013) | (17.7 - 16)/(16 - 1) | 0.113333 |
| 15 (3/2/2017) | 16 (3/12/2013) | (15 - 16)/(17 - 1) | -0.0625 |
| 18.3 (6/29/2017) | 16 (3/12/2013) | (18.3 - 16)/(18 - 1) | 0.135294 |
| 12.7 (8/16/2017) | 16 (3/12/2013) | (12.7 - 16)/(19 - 1) | -0.183333 |
| 16.9 (10/25/2017) | 16 (3/12/2013) | (16.9 - 16)/(20 - 1) | 0.0473684 |
| 19.8 (3/28/2018) | 16 (3/12/2013) | (19.8 - 16)/(21 - 1) | 0.19 |
| 23.3 (6/29/2018) | 16 (3/12/2013) | (23.3 - 16)/(22 - 1) | 0.347619 |
| 29.5 (8/2/2018) | 16 (3/12/2013) | (29.5 - 16)/(23 - 1) | 0.613636 |
| 31 (12/10/2018) | 16 (3/12/2013) | (31 - 16)/(24 - 1) | 0.652174 |
| 35 (4/15/2019) | 16 (3/12/2013) | (35 - 16)/(25 - 1) | 0.791667 |
| 9.7 (6/12/2019) | 16 (3/12/2013) | (9.7 - 16)/(26 - 1) | -0.252 |
| 7.1 (8/27/2019) | 16 (3/12/2013) | (7.1 - 16)/(27 - 1) | -0.342308 |
| 11 (10/29/2019) | 16 (3/12/2013) | (11 - 16)/(28 - 1) | -0.185185 |
| 13.3 (3/30/2020) | 16 (3/12/2013) | (13.3 - 16)/(29 - 1) | -0.0964286 |
| 11.4 (6/16/2020) | 16 (3/12/2013) | (11.4 - 16)/(30 - 1) | -0.158621 |
| 9 (9/21/2020) | 16 (3/12/2013) | (9 - 16)/(31 - 1) | -0.233333 |
| 20.9 (12/17/2020) | 16 (3/12/2013) | (20.9 - 16)/(32 - 1) | 0.158065 |
| 90.4 (3/18/2021) | 16 (3/12/2013) | (90.4 - 16)/(33 - 1) | 2.325 |
| 34 (5/5/2021) | 16 (3/12/2013) | (34 - 16)/(34 - 1) | 0.545455 |
| 35.8 (9/2/2021) | 16 (3/12/2013) | (35.8 - 16)/(35 - 1) | 0.582353 |
| 12.7 (11/23/2021) | 16 (3/12/2013) | (12.7 - 16)/(36 - 1) | -0.0942857 |
| 17 (1/11/2022) | 16 (3/12/2013) | (17 - 16)/(37 - 1) | 0.0277778 |
| 140 (4/7/2022) | 16 (3/12/2013) | (140 - 16)/(38 - 1) | 3.35135 |
| 6.3 (8/2/2022) | 16 (3/12/2013) | (6.3 - 16)/(39 - 1) | -0.255263 |
| 7.9 (11/16/2022) | 16 (3/12/2013) | (7.9 - 16)/(40 - 1) | -0.207692 |
| 11.3 (2/14/2023) | 16 (3/12/2013) | (11.3 - 16)/(41 - 1) | -0.1175 |
| 10.6 (5/25/2023) | 16 (3/12/2013) | (10.6 - 16)/(42 - 1) | -0.131707 |
| 13.9 (8/7/2023) | 16 (3/12/2013) | (13.9 - 16)/(43 - 1) | -0.05 |
| 10.4 (12/12/2023) | 16 (3/12/2013) | (10.4 - 16)/(44 - 1) | -0.130233 |
| 53 (1/10/2024) | 16 (3/12/2013) | (53 - 16)/(45 - 1) | 0.840909 |
| 14.6 (5/21/2024) | 16 (3/12/2013) | (14.6 - 16)/(46 - 1) | -0.0311111 |
| 7.11 (9/16/2024) | 16 (3/12/2013) | (7.11 - 16)/(47 - 1) | -0.193261 |
| 19.4 (12/11/2024) | 16 (3/12/2013) | (19.4 - 16)/(48 - 1) | 0.0723404 |
| 20.1 (2/18/2025) | 16 (3/12/2013) | (20.1 - 16)/(49 - 1) | 0.0854167 |

| | | | |
|---|---|---|---|
| 15 (9/23/2013) | 14 (5/8/2013) | (15 - 14)/(3 - 2) | 1 |
| 21 (12/10/2013) | 14 (5/8/2013) | (21 - 14)/(4 - 2) | 3.5 |
| 23 (2/6/2014) | 14 (5/8/2013) | (23 - 14)/(5 - 2) | 3 |
| 13 (6/26/2014) | 14 (5/8/2013) | (13 - 14)/(6 - 2) | -0.25 |
| 34 (9/30/2014) | 14 (5/8/2013) | (34 - 14)/(7 - 2) | 4 |
| 19 (11/19/2014) | 14 (5/8/2013) | (19 - 14)/(8 - 2) | 0.833333 |
| 14 (3/23/2015) | 14 (5/8/2013) | (14 - 14)/(9 - 2) | 0 |
| 18 (4/22/2015) | 14 (5/8/2013) | (18 - 14)/(10 - 2) | 0.5 |
| 15.3 (9/30/2015) | 14 (5/8/2013) | (15.3 - 14)/(11 - 2) | 0.144444 |
| 23.2 (11/19/2015) | 14 (5/8/2013) | (23.2 - 14)/(12 - 2) | 0.92 |
| 17.7 (3/15/2016) | 14 (5/8/2013) | (17.7 - 14)/(13 - 2) | 0.336364 |
| 20.3 (6/29/2016) | 14 (5/8/2013) | (20.3 - 14)/(14 - 2) | 0.525 |
| 12.6 (8/9/2016) | 14 (5/8/2013) | (12.6 - 14)/(15 - 2) | -0.107692 |
| 17.7 (12/7/2016) | 14 (5/8/2013) | (17.7 - 14)/(16 - 2) | 0.264286 |
| 15 (3/2/2017) | 14 (5/8/2013) | (15 - 14)/(17 - 2) | 0.0666667 |
| 18.3 (6/29/2017) | 14 (5/8/2013) | (18.3 - 14)/(18 - 2) | 0.26875 |
| 12.7 (8/16/2017) | 14 (5/8/2013) | (12.7 - 14)/(19 - 2) | -0.0764706 |
| 16.9 (10/25/2017) | 14 (5/8/2013) | (16.9 - 14)/(20 - 2) | 0.161111 |
| 19.8 (3/28/2018) | 14 (5/8/2013) | (19.8 - 14)/(21 - 2) | 0.305263 |
| 23.3 (6/29/2018) | 14 (5/8/2013) | (23.3 - 14)/(22 - 2) | 0.465 |
| 29.5 (8/2/2018) | 14 (5/8/2013) | (29.5 - 14)/(23 - 2) | 0.738095 |
| 31 (12/10/2018) | 14 (5/8/2013) | (31 - 14)/(24 - 2) | 0.772727 |
| 35 (4/15/2019) | 14 (5/8/2013) | (35 - 14)/(25 - 2) | 0.913043 |
| 9.7 (6/12/2019) | 14 (5/8/2013) | (9.7 - 14)/(26 - 2) | -0.179167 |
| 7.1 (8/27/2019) | 14 (5/8/2013) | (7.1 - 14)/(27 - 2) | -0.276 |
| 11 (10/29/2019) | 14 (5/8/2013) | (11 - 14)/(28 - 2) | -0.115385 |
| 13.3 (3/30/2020) | 14 (5/8/2013) | (13.3 - 14)/(29 - 2) | -0.0259259 |
| 11.4 (6/16/2020) | 14 (5/8/2013) | (11.4 - 14)/(30 - 2) | -0.0928571 |
| 9 (9/21/2020) | 14 (5/8/2013) | (9 - 14)/(31 - 2) | -0.172414 |
| 20.9 (12/17/2020) | 14 (5/8/2013) | (20.9 - 14)/(32 - 2) | 0.23 |
| 90.4 (3/18/2021) | 14 (5/8/2013) | (90.4 - 14)/(33 - 2) | 2.46452 |
| 34 (5/5/2021) | 14 (5/8/2013) | (34 - 14)/(34 - 2) | 0.625 |
| 35.8 (9/2/2021) | 14 (5/8/2013) | (35.8 - 14)/(35 - 2) | 0.660606 |
| 12.7 (11/23/2021) | 14 (5/8/2013) | (12.7 - 14)/(36 - 2) | -0.0382353 |
| 17 (1/11/2022) | 14 (5/8/2013) | (17 - 14)/(37 - 2) | 0.0857143 |
| 140 (4/7/2022) | 14 (5/8/2013) | (140 - 14)/(38 - 2) | 3.5 |
| 6.3 (8/2/2022) | 14 (5/8/2013) | (6.3 - 14)/(39 - 2) | -0.208108 |
| 7.9 (11/16/2022) | 14 (5/8/2013) | (7.9 - 14)/(40 - 2) | -0.160526 |
| 11.3 (2/14/2023) | 14 (5/8/2013) | (11.3 - 14)/(41 - 2) | -0.0692308 |
| 10.6 (5/25/2023) | 14 (5/8/2013) | (10.6 - 14)/(42 - 2) | -0.085 |
| 13.9 (8/7/2023) | 14 (5/8/2013) | (13.9 - 14)/(43 - 2) | -0.00243902 |
| 10.4 (12/12/2023) | 14 (5/8/2013) | (10.4 - 14)/(44 - 2) | -0.0857143 |
| 53 (1/10/2024) | 14 (5/8/2013) | (53 - 14)/(45 - 2) | 0.906977 |
| 14.6 (5/21/2024) | 14 (5/8/2013) | (14.6 - 14)/(46 - 2) | 0.0136364 |
| 7.11 (9/16/2024) | 14 (5/8/2013) | (7.11 - 14)/(47 - 2) | -0.153111 |
| 19.4 (12/11/2024) | 14 (5/8/2013) | (19.4 - 14)/(48 - 2) | 0.117391 |
| 20.1 (2/18/2025) | 14 (5/8/2013) | (20.1 - 14)/(49 - 2) | 0.129787 |
| | | | |
| 21 (12/10/2013) | 15 (9/23/2013) | (21 - 15)/(4 - 3) | 6 |
| 23 (2/6/2014) | 15 (9/23/2013) | (23 - 15)/(5 - 3) | 4 |
| 13 (6/26/2014) | 15 (9/23/2013) | (13 - 15)/(6 - 3) | -0.666667 |
| 34 (9/30/2014) | 15 (9/23/2013) | (34 - 15)/(7 - 3) | 4.75 |
| 19 (11/19/2014) | 15 (9/23/2013) | (19 - 15)/(8 - 3) | 0.8 |
| 14 (3/23/2015) | 15 (9/23/2013) | (14 - 15)/(9 - 3) | -0.166667 |
| 18 (4/22/2015) | 15 (9/23/2013) | (18 - 15)/(10 - 3) | 0.428571 |
| 15.3 (9/30/2015) | 15 (9/23/2013) | (15.3 - 15)/(11 - 3) | 0.0375 |

| | | | |
|---|---|---|---|
| 23.2 (11/19/2015) | 15 (9/23/2013) | (23.2 - 15)/(12 - 3) | 0.911111 |
| 17.7 (3/15/2016) | 15 (9/23/2013) | (17.7 - 15)/(13 - 3) | 0.27 |
| 20.3 (6/29/2016) | 15 (9/23/2013) | (20.3 - 15)/(14 - 3) | 0.481818 |
| 12.6 (8/9/2016) | 15 (9/23/2013) | (12.6 - 15)/(15 - 3) | -0.2 |
| 17.7 (12/7/2016) | 15 (9/23/2013) | (17.7 - 15)/(16 - 3) | 0.207692 |
| 15 (3/2/2017) | 15 (9/23/2013) | (15 - 15)/(17 - 3) | 0 |
| 18.3 (6/29/2017) | 15 (9/23/2013) | (18.3 - 15)/(18 - 3) | 0.22 |
| 12.7 (8/16/2017) | 15 (9/23/2013) | (12.7 - 15)/(19 - 3) | -0.14375 |
| 16.9 (10/25/2017) | 15 (9/23/2013) | (16.9 - 15)/(20 - 3) | 0.111765 |
| 19.8 (3/28/2018) | 15 (9/23/2013) | (19.8 - 15)/(21 - 3) | 0.266667 |
| 23.3 (6/29/2018) | 15 (9/23/2013) | (23.3 - 15)/(22 - 3) | 0.436842 |
| 29.5 (8/2/2018) | 15 (9/23/2013) | (29.5 - 15)/(23 - 3) | 0.725 |
| 31 (12/10/2018) | 15 (9/23/2013) | (31 - 15)/(24 - 3) | 0.761905 |
| 35 (4/15/2019) | 15 (9/23/2013) | (35 - 15)/(25 - 3) | 0.909091 |
| 9.7 (6/12/2019) | 15 (9/23/2013) | (9.7 - 15)/(26 - 3) | -0.230435 |
| 7.1 (8/27/2019) | 15 (9/23/2013) | (7.1 - 15)/(27 - 3) | -0.329167 |
| 11 (10/29/2019) | 15 (9/23/2013) | (11 - 15)/(28 - 3) | -0.16 |
| 13.3 (3/30/2020) | 15 (9/23/2013) | (13.3 - 15)/(29 - 3) | -0.0653846 |
| 11.4 (6/16/2020) | 15 (9/23/2013) | (11.4 - 15)/(30 - 3) | -0.133333 |
| 9 (9/21/2020) | 15 (9/23/2013) | (9 - 15)/(31 - 3) | -0.214286 |
| 20.9 (12/17/2020) | 15 (9/23/2013) | (20.9 - 15)/(32 - 3) | 0.203448 |
| 90.4 (3/18/2021) | 15 (9/23/2013) | (90.4 - 15)/(33 - 3) | 2.51333 |
| 34 (5/5/2021) | 15 (9/23/2013) | (34 - 15)/(34 - 3) | 0.612903 |
| 35.8 (9/2/2021) | 15 (9/23/2013) | (35.8 - 15)/(35 - 3) | 0.65 |
| 12.7 (11/23/2021) | 15 (9/23/2013) | (12.7 - 15)/(36 - 3) | -0.069697 |
| 17 (1/11/2022) | 15 (9/23/2013) | (17 - 15)/(37 - 3) | 0.0588235 |
| 140 (4/7/2022) | 15 (9/23/2013) | (140 - 15)/(38 - 3) | 3.57143 |
| 6.3 (8/2/2022) | 15 (9/23/2013) | (6.3 - 15)/(39 - 3) | -0.241667 |
| 7.9 (11/16/2022) | 15 (9/23/2013) | (7.9 - 15)/(40 - 3) | -0.191892 |
| 11.3 (2/14/2023) | 15 (9/23/2013) | (11.3 - 15)/(41 - 3) | -0.0973684 |
| 10.6 (5/25/2023) | 15 (9/23/2013) | (10.6 - 15)/(42 - 3) | -0.112821 |
| 13.9 (8/7/2023) | 15 (9/23/2013) | (13.9 - 15)/(43 - 3) | -0.0275 |
| 10.4 (12/12/2023) | 15 (9/23/2013) | (10.4 - 15)/(44 - 3) | -0.112195 |
| 53 (1/10/2024) | 15 (9/23/2013) | (53 - 15)/(45 - 3) | 0.904762 |
| 14.6 (5/21/2024) | 15 (9/23/2013) | (14.6 - 15)/(46 - 3) | -0.00930233 |
| 7.11 (9/16/2024) | 15 (9/23/2013) | (7.11 - 15)/(47 - 3) | -0.179318 |
| 19.4 (12/11/2024) | 15 (9/23/2013) | (19.4 - 15)/(48 - 3) | 0.0977778 |
| 20.1 (2/18/2025) | 15 (9/23/2013) | (20.1 - 15)/(49 - 3) | 0.11087 |
| | | | |
| 23 (2/6/2014) | 21 (12/10/2013) | (23 - 21)/(5 - 4) | 2 |
| 13 (6/26/2014) | 21 (12/10/2013) | (13 - 21)/(6 - 4) | -4 |
| 34 (9/30/2014) | 21 (12/10/2013) | (34 - 21)/(7 - 4) | 4.33333 |
| 19 (11/19/2014) | 21 (12/10/2013) | (19 - 21)/(8 - 4) | -0.5 |
| 14 (3/23/2015) | 21 (12/10/2013) | (14 - 21)/(9 - 4) | -1.4 |
| 18 (4/22/2015) | 21 (12/10/2013) | (18 - 21)/(10 - 4) | -0.5 |
| 15.3 (9/30/2015) | 21 (12/10/2013) | (15.3 - 21)/(11 - 4) | -0.814286 |
| 23.2 (11/19/2015) | 21 (12/10/2013) | (23.2 - 21)/(12 - 4) | 0.275 |
| 17.7 (3/15/2016) | 21 (12/10/2013) | (17.7 - 21)/(13 - 4) | -0.366667 |
| 20.3 (6/29/2016) | 21 (12/10/2013) | (20.3 - 21)/(14 - 4) | -0.07 |
| 12.6 (8/9/2016) | 21 (12/10/2013) | (12.6 - 21)/(15 - 4) | -0.763636 |
| 17.7 (12/7/2016) | 21 (12/10/2013) | (17.7 - 21)/(16 - 4) | -0.275 |
| 15 (3/2/2017) | 21 (12/10/2013) | (15 - 21)/(17 - 4) | -0.461538 |
| 18.3 (6/29/2017) | 21 (12/10/2013) | (18.3 - 21)/(18 - 4) | -0.192857 |
| 12.7 (8/16/2017) | 21 (12/10/2013) | (12.7 - 21)/(19 - 4) | -0.553333 |
| 16.9 (10/25/2017) | 21 (12/10/2013) | (16.9 - 21)/(20 - 4) | -0.25625 |
| 19.8 (3/28/2018) | 21 (12/10/2013) | (19.8 - 21)/(21 - 4) | -0.0705882 |
| 23.3 (6/29/2018) | 21 (12/10/2013) | (23.3 - 21)/(22 - 4) | 0.127778 |

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|---|---|---|---|
| 29.5 (8/2/2018) | 21 (12/10/2013) | (29.5 - 21)/(23 - 4) | 0.447368 |
| 31 (12/10/2018) | 21 (12/10/2013) | (31 - 21)/(24 - 4) | 0.5 |
| 35 (4/15/2019) | 21 (12/10/2013) | (35 - 21)/(25 - 4) | 0.666667 |
| 9.7 (6/12/2019) | 21 (12/10/2013) | (9.7 - 21)/(26 - 4) | -0.513636 |
| 7.1 (8/27/2019) | 21 (12/10/2013) | (7.1 - 21)/(27 - 4) | -0.604348 |
| 11 (10/29/2019) | 21 (12/10/2013) | (11 - 21)/(28 - 4) | -0.416667 |
| 13.3 (3/30/2020) | 21 (12/10/2013) | (13.3 - 21)/(29 - 4) | -0.308 |
| 11.4 (6/16/2020) | 21 (12/10/2013) | (11.4 - 21)/(30 - 4) | -0.369231 |
| 9 (9/21/2020) | 21 (12/10/2013) | (9 - 21)/(31 - 4) | -0.444444 |
| 20.9 (12/17/2020) | 21 (12/10/2013) | (20.9 - 21)/(32 - 4) | -0.00357143 |
| 90.4 (3/18/2021) | 21 (12/10/2013) | (90.4 - 21)/(33 - 4) | 2.3931 |
| 34 (5/5/2021) | 21 (12/10/2013) | (34 - 21)/(34 - 4) | 0.433333 |
| 35.8 (9/2/2021) | 21 (12/10/2013) | (35.8 - 21)/(35 - 4) | 0.477419 |
| 12.7 (11/23/2021) | 21 (12/10/2013) | (12.7 - 21)/(36 - 4) | -0.259375 |
| 17 (1/11/2022) | 21 (12/10/2013) | (17 - 21)/(37 - 4) | -0.121212 |
| 140 (4/7/2022) | 21 (12/10/2013) | (140 - 21)/(38 - 4) | 3.5 |
| 6.3 (8/2/2022) | 21 (12/10/2013) | (6.3 - 21)/(39 - 4) | -0.42 |
| 7.9 (11/16/2022) | 21 (12/10/2013) | (7.9 - 21)/(40 - 4) | -0.363889 |
| 11.3 (2/14/2023) | 21 (12/10/2013) | (11.3 - 21)/(41 - 4) | -0.262162 |
| 10.6 (5/25/2023) | 21 (12/10/2013) | (10.6 - 21)/(42 - 4) | -0.273684 |
| 13.9 (8/7/2023) | 21 (12/10/2013) | (13.9 - 21)/(43 - 4) | -0.182051 |
| 10.4 (12/12/2023) | 21 (12/10/2013) | (10.4 - 21)/(44 - 4) | -0.265 |
| 53 (1/10/2024) | 21 (12/10/2013) | (53 - 21)/(45 - 4) | 0.780488 |
| 14.6 (5/21/2024) | 21 (12/10/2013) | (14.6 - 21)/(46 - 4) | -0.152381 |
| 7.11 (9/16/2024) | 21 (12/10/2013) | (7.11 - 21)/(47 - 4) | -0.323023 |
| 19.4 (12/11/2024) | 21 (12/10/2013) | (19.4 - 21)/(48 - 4) | -0.0363636 |
| 20.1 (2/18/2025) | 21 (12/10/2013) | (20.1 - 21)/(49 - 4) | -0.02 |
| | | | |
| 13 (6/26/2014) | 23 (2/6/2014) | (13 - 23)/(6 - 5) | -10 |
| 34 (9/30/2014) | 23 (2/6/2014) | (34 - 23)/(7 - 5) | 5.5 |
| 19 (11/19/2014) | 23 (2/6/2014) | (19 - 23)/(8 - 5) | -1.33333 |
| 14 (3/23/2015) | 23 (2/6/2014) | (14 - 23)/(9 - 5) | -2.25 |
| 18 (4/22/2015) | 23 (2/6/2014) | (18 - 23)/(10 - 5) | -1 |
| 15.3 (9/30/2015) | 23 (2/6/2014) | (15.3 - 23)/(11 - 5) | -1.28333 |
| 23.2 (11/19/2015) | 23 (2/6/2014) | (23.2 - 23)/(12 - 5) | 0.0285714 |
| 17.7 (3/15/2016) | 23 (2/6/2014) | (17.7 - 23)/(13 - 5) | -0.6625 |
| 20.3 (6/29/2016) | 23 (2/6/2014) | (20.3 - 23)/(14 - 5) | -0.3 |
| 12.6 (8/9/2016) | 23 (2/6/2014) | (12.6 - 23)/(15 - 5) | -1.04 |
| 17.7 (12/7/2016) | 23 (2/6/2014) | (17.7 - 23)/(16 - 5) | -0.481818 |
| 15 (3/2/2017) | 23 (2/6/2014) | (15 - 23)/(17 - 5) | -0.666667 |
| 18.3 (6/29/2017) | 23 (2/6/2014) | (18.3 - 23)/(18 - 5) | -0.361538 |
| 12.7 (8/16/2017) | 23 (2/6/2014) | (12.7 - 23)/(19 - 5) | -0.735714 |
| 16.9 (10/25/2017) | 23 (2/6/2014) | (16.9 - 23)/(20 - 5) | -0.406667 |
| 19.8 (3/28/2018) | 23 (2/6/2014) | (19.8 - 23)/(21 - 5) | -0.2 |
| 23.3 (6/29/2018) | 23 (2/6/2014) | (23.3 - 23)/(22 - 5) | 0.0176471 |
| 29.5 (8/2/2018) | 23 (2/6/2014) | (29.5 - 23)/(23 - 5) | 0.361111 |
| 31 (12/10/2018) | 23 (2/6/2014) | (31 - 23)/(24 - 5) | 0.421053 |
| 35 (4/15/2019) | 23 (2/6/2014) | (35 - 23)/(25 - 5) | 0.6 |
| 9.7 (6/12/2019) | 23 (2/6/2014) | (9.7 - 23)/(26 - 5) | -0.633333 |
| 7.1 (8/27/2019) | 23 (2/6/2014) | (7.1 - 23)/(27 - 5) | -0.722727 |
| 11 (10/29/2019) | 23 (2/6/2014) | (11 - 23)/(28 - 5) | -0.521739 |
| 13.3 (3/30/2020) | 23 (2/6/2014) | (13.3 - 23)/(29 - 5) | -0.404167 |
| 11.4 (6/16/2020) | 23 (2/6/2014) | (11.4 - 23)/(30 - 5) | -0.464 |
| 9 (9/21/2020) | 23 (2/6/2014) | (9 - 23)/(31 - 5) | -0.538462 |
| 20.9 (12/17/2020) | 23 (2/6/2014) | (20.9 - 23)/(32 - 5) | -0.0777778 |
| 90.4 (3/18/2021) | 23 (2/6/2014) | (90.4 - 23)/(33 - 5) | 2.40714 |
| 34 (5/5/2021) | 23 (2/6/2014) | (34 - 23)/(34 - 5) | 0.37931 |

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|---|---|---|---|
| 35.8 (9/2/2021) | 23 (2/6/2014) | (35.8 - 23)/(35 - 5) | 0.426667 |
| 12.7 (11/23/2021) | 23 (2/6/2014) | (12.7 - 23)/(36 - 5) | -0.332258 |
| 17 (1/11/2022) | 23 (2/6/2014) | (17 - 23)/(37 - 5) | -0.1875 |
| 140 (4/7/2022) | 23 (2/6/2014) | (140 - 23)/(38 - 5) | 3.54545 |
| 6.3 (8/2/2022) | 23 (2/6/2014) | (6.3 - 23)/(39 - 5) | -0.491176 |
| 7.9 (11/16/2022) | 23 (2/6/2014) | (7.9 - 23)/(40 - 5) | -0.431429 |
| 11.3 (2/14/2023) | 23 (2/6/2014) | (11.3 - 23)/(41 - 5) | -0.325 |
| 10.6 (5/25/2023) | 23 (2/6/2014) | (10.6 - 23)/(42 - 5) | -0.335135 |
| 13.9 (8/7/2023) | 23 (2/6/2014) | (13.9 - 23)/(43 - 5) | -0.239474 |
| 10.4 (12/12/2023) | 23 (2/6/2014) | (10.4 - 23)/(44 - 5) | -0.323077 |
| 53 (1/10/2024) | 23 (2/6/2014) | (53 - 23)/(45 - 5) | 0.75 |
| 14.6 (5/21/2024) | 23 (2/6/2014) | (14.6 - 23)/(46 - 5) | -0.204878 |
| 7.11 (9/16/2024) | 23 (2/6/2014) | (7.11 - 23)/(47 - 5) | -0.378333 |
| 19.4 (12/11/2024) | 23 (2/6/2014) | (19.4 - 23)/(48 - 5) | -0.0837209 |
| 20.1 (2/18/2025) | 23 (2/6/2014) | (20.1 - 23)/(49 - 5) | -0.0659091 |
| | | | |
| 34 (9/30/2014) | 13 (6/26/2014) | (34 - 13)/(7 - 6) | 21 |
| 19 (11/19/2014) | 13 (6/26/2014) | (19 - 13)/(8 - 6) | 3 |
| 14 (3/23/2015) | 13 (6/26/2014) | (14 - 13)/(9 - 6) | 0.333333 |
| 18 (4/22/2015) | 13 (6/26/2014) | (18 - 13)/(10 - 6) | 1.25 |
| 15.3 (9/30/2015) | 13 (6/26/2014) | (15.3 - 13)/(11 - 6) | 0.46 |
| 23.2 (11/19/2015) | 13 (6/26/2014) | (23.2 - 13)/(12 - 6) | 1.7 |
| 17.7 (3/15/2016) | 13 (6/26/2014) | (17.7 - 13)/(13 - 6) | 0.671429 |
| 20.3 (6/29/2016) | 13 (6/26/2014) | (20.3 - 13)/(14 - 6) | 0.9125 |
| 12.6 (8/9/2016) | 13 (6/26/2014) | (12.6 - 13)/(15 - 6) | -0.0444444 |
| 17.7 (12/7/2016) | 13 (6/26/2014) | (17.7 - 13)/(16 - 6) | 0.47 |
| 15 (3/2/2017) | 13 (6/26/2014) | (15 - 13)/(17 - 6) | 0.181818 |
| 18.3 (6/29/2017) | 13 (6/26/2014) | (18.3 - 13)/(18 - 6) | 0.441667 |
| 12.7 (8/16/2017) | 13 (6/26/2014) | (12.7 - 13)/(19 - 6) | -0.0230769 |
| 16.9 (10/25/2017) | 13 (6/26/2014) | (16.9 - 13)/(20 - 6) | 0.278571 |
| 19.8 (3/28/2018) | 13 (6/26/2014) | (19.8 - 13)/(21 - 6) | 0.453333 |
| 23.3 (6/29/2018) | 13 (6/26/2014) | (23.3 - 13)/(22 - 6) | 0.64375 |
| 29.5 (8/2/2018) | 13 (6/26/2014) | (29.5 - 13)/(23 - 6) | 0.970588 |
| 31 (12/10/2018) | 13 (6/26/2014) | (31 - 13)/(24 - 6) | 1 |
| 35 (4/15/2019) | 13 (6/26/2014) | (35 - 13)/(25 - 6) | 1.15789 |
| 9.7 (6/12/2019) | 13 (6/26/2014) | (9.7 - 13)/(26 - 6) | -0.165 |
| 7.1 (8/27/2019) | 13 (6/26/2014) | (7.1 - 13)/(27 - 6) | -0.280952 |
| 11 (10/29/2019) | 13 (6/26/2014) | (11 - 13)/(28 - 6) | -0.0909091 |
| 13.3 (3/30/2020) | 13 (6/26/2014) | (13.3 - 13)/(29 - 6) | 0.0130435 |
| 11.4 (6/16/2020) | 13 (6/26/2014) | (11.4 - 13)/(30 - 6) | -0.0666667 |
| 9 (9/21/2020) | 13 (6/26/2014) | (9 - 13)/(31 - 6) | -0.16 |
| 20.9 (12/17/2020) | 13 (6/26/2014) | (20.9 - 13)/(32 - 6) | 0.303846 |
| 90.4 (3/18/2021) | 13 (6/26/2014) | (90.4 - 13)/(33 - 6) | 2.86667 |
| 34 (5/5/2021) | 13 (6/26/2014) | (34 - 13)/(34 - 6) | 0.75 |
| 35.8 (9/2/2021) | 13 (6/26/2014) | (35.8 - 13)/(35 - 6) | 0.786207 |
| 12.7 (11/23/2021) | 13 (6/26/2014) | (12.7 - 13)/(36 - 6) | -0.01 |
| 17 (1/11/2022) | 13 (6/26/2014) | (17 - 13)/(37 - 6) | 0.129032 |
| 140 (4/7/2022) | 13 (6/26/2014) | (140 - 13)/(38 - 6) | 3.96875 |
| 6.3 (8/2/2022) | 13 (6/26/2014) | (6.3 - 13)/(39 - 6) | -0.20303 |
| 7.9 (11/16/2022) | 13 (6/26/2014) | (7.9 - 13)/(40 - 6) | -0.15 |
| 11.3 (2/14/2023) | 13 (6/26/2014) | (11.3 - 13)/(41 - 6) | -0.0485714 |
| 10.6 (5/25/2023) | 13 (6/26/2014) | (10.6 - 13)/(42 - 6) | -0.0666667 |
| 13.9 (8/7/2023) | 13 (6/26/2014) | (13.9 - 13)/(43 - 6) | 0.0243243 |
| 10.4 (12/12/2023) | 13 (6/26/2014) | (10.4 - 13)/(44 - 6) | -0.0684211 |
| 53 (1/10/2024) | 13 (6/26/2014) | (53 - 13)/(45 - 6) | 1.02564 |
| 14.6 (5/21/2024) | 13 (6/26/2014) | (14.6 - 13)/(46 - 6) | 0.04 |
| 7.11 (9/16/2024) | 13 (6/26/2014) | (7.11 - 13)/(47 - 6) | -0.143659 |

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| 19.4 (12/11/2024) | 13 (6/26/2014) | (19.4 - 13)/(48 - 6) | 0.152381 |
| 20.1 (2/18/2025) | 13 (6/26/2014) | (20.1 - 13)/(49 - 6) | 0.165116 |
| | | | |
| 19 (11/19/2014) | 34 (9/30/2014) | (19 - 34)/(8 - 7) | -15 |
| 14 (3/23/2015) | 34 (9/30/2014) | (14 - 34)/(9 - 7) | -10 |
| 18 (4/22/2015) | 34 (9/30/2014) | (18 - 34)/(10 - 7) | -5.33333 |
| 15.3 (9/30/2015) | 34 (9/30/2014) | (15.3 - 34)/(11 - 7) | -4.675 |
| 23.2 (11/19/2015) | 34 (9/30/2014) | (23.2 - 34)/(12 - 7) | -2.16 |
| 17.7 (3/15/2016) | 34 (9/30/2014) | (17.7 - 34)/(13 - 7) | -2.71667 |
| 20.3 (6/29/2016) | 34 (9/30/2014) | (20.3 - 34)/(14 - 7) | -1.95714 |
| 12.6 (8/9/2016) | 34 (9/30/2014) | (12.6 - 34)/(15 - 7) | -2.675 |
| 17.7 (12/7/2016) | 34 (9/30/2014) | (17.7 - 34)/(16 - 7) | -1.81111 |
| 15 (3/2/2017) | 34 (9/30/2014) | (15 - 34)/(17 - 7) | -1.9 |
| 18.3 (6/29/2017) | 34 (9/30/2014) | (18.3 - 34)/(18 - 7) | -1.42727 |
| 12.7 (8/16/2017) | 34 (9/30/2014) | (12.7 - 34)/(19 - 7) | -1.775 |
| 16.9 (10/25/2017) | 34 (9/30/2014) | (16.9 - 34)/(20 - 7) | -1.31538 |
| 19.8 (3/28/2018) | 34 (9/30/2014) | (19.8 - 34)/(21 - 7) | -1.01429 |
| 23.3 (6/29/2018) | 34 (9/30/2014) | (23.3 - 34)/(22 - 7) | -0.713333 |
| 29.5 (8/2/2018) | 34 (9/30/2014) | (29.5 - 34)/(23 - 7) | -0.28125 |
| 31 (12/10/2018) | 34 (9/30/2014) | (31 - 34)/(24 - 7) | -0.176471 |
| 35 (4/15/2019) | 34 (9/30/2014) | (35 - 34)/(25 - 7) | 0.0555556 |
| 9.7 (6/12/2019) | 34 (9/30/2014) | (9.7 - 34)/(26 - 7) | -1.27895 |
| 7.1 (8/27/2019) | 34 (9/30/2014) | (7.1 - 34)/(27 - 7) | -1.345 |
| 11 (10/29/2019) | 34 (9/30/2014) | (11 - 34)/(28 - 7) | -1.09524 |
| 13.3 (3/30/2020) | 34 (9/30/2014) | (13.3 - 34)/(29 - 7) | -0.940909 |
| 11.4 (6/16/2020) | 34 (9/30/2014) | (11.4 - 34)/(30 - 7) | -0.982609 |
| 9 (9/21/2020) | 34 (9/30/2014) | (9 - 34)/(31 - 7) | -1.04167 |
| 20.9 (12/17/2020) | 34 (9/30/2014) | (20.9 - 34)/(32 - 7) | -0.524 |
| 90.4 (3/18/2021) | 34 (9/30/2014) | (90.4 - 34)/(33 - 7) | 2.16923 |
| 34 (5/5/2021) | 34 (9/30/2014) | (34 - 34)/(34 - 7) | 0 |
| 35.8 (9/2/2021) | 34 (9/30/2014) | (35.8 - 34)/(35 - 7) | 0.0642857 |
| 12.7 (11/23/2021) | 34 (9/30/2014) | (12.7 - 34)/(36 - 7) | -0.734483 |
| 17 (1/11/2022) | 34 (9/30/2014) | (17 - 34)/(37 - 7) | -0.566667 |
| 140 (4/7/2022) | 34 (9/30/2014) | (140 - 34)/(38 - 7) | 3.41935 |
| 6.3 (8/2/2022) | 34 (9/30/2014) | (6.3 - 34)/(39 - 7) | -0.865625 |
| 7.9 (11/16/2022) | 34 (9/30/2014) | (7.9 - 34)/(40 - 7) | -0.790909 |
| 11.3 (2/14/2023) | 34 (9/30/2014) | (11.3 - 34)/(41 - 7) | -0.667647 |
| 10.6 (5/25/2023) | 34 (9/30/2014) | (10.6 - 34)/(42 - 7) | -0.668571 |
| 13.9 (8/7/2023) | 34 (9/30/2014) | (13.9 - 34)/(43 - 7) | -0.558333 |
| 10.4 (12/12/2023) | 34 (9/30/2014) | (10.4 - 34)/(44 - 7) | -0.637838 |
| 53 (1/10/2024) | 34 (9/30/2014) | (53 - 34)/(45 - 7) | 0.5 |
| 14.6 (5/21/2024) | 34 (9/30/2014) | (14.6 - 34)/(46 - 7) | -0.497436 |
| 7.11 (9/16/2024) | 34 (9/30/2014) | (7.11 - 34)/(47 - 7) | -0.67225 |
| 19.4 (12/11/2024) | 34 (9/30/2014) | (19.4 - 34)/(48 - 7) | -0.356098 |
| 20.1 (2/18/2025) | 34 (9/30/2014) | (20.1 - 34)/(49 - 7) | -0.330952 |
| | | | |
| 14 (3/23/2015) | 19 (11/19/2014) | (14 - 19)/(9 - 8) | -5 |
| 18 (4/22/2015) | 19 (11/19/2014) | (18 - 19)/(10 - 8) | -0.5 |
| 15.3 (9/30/2015) | 19 (11/19/2014) | (15.3 - 19)/(11 - 8) | -1.23333 |
| 23.2 (11/19/2015) | 19 (11/19/2014) | (23.2 - 19)/(12 - 8) | 1.05 |
| 17.7 (3/15/2016) | 19 (11/19/2014) | (17.7 - 19)/(13 - 8) | -0.26 |
| 20.3 (6/29/2016) | 19 (11/19/2014) | (20.3 - 19)/(14 - 8) | 0.216667 |
| 12.6 (8/9/2016) | 19 (11/19/2014) | (12.6 - 19)/(15 - 8) | -0.914286 |
| 17.7 (12/7/2016) | 19 (11/19/2014) | (17.7 - 19)/(16 - 8) | -0.1625 |
| 15 (3/2/2017) | 19 (11/19/2014) | (15 - 19)/(17 - 8) | -0.444444 |
| 18.3 (6/29/2017) | 19 (11/19/2014) | (18.3 - 19)/(18 - 8) | -0.07 |
| 12.7 (8/16/2017) | 19 (11/19/2014) | (12.7 - 19)/(19 - 8) | -0.572727 |

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|---|---|---|---|
| 16.9 (10/25/2017) | 19 (11/19/2014) | (16.9 - 19)/(20 - 8) | -0.175 |
| 19.8 (3/28/2018) | 19 (11/19/2014) | (19.8 - 19)/(21 - 8) | 0.0615385 |
| 23.3 (6/29/2018) | 19 (11/19/2014) | (23.3 - 19)/(22 - 8) | 0.307143 |
| 29.5 (8/2/2018) | 19 (11/19/2014) | (29.5 - 19)/(23 - 8) | 0.7 |
| 31 (12/10/2018) | 19 (11/19/2014) | (31 - 19)/(24 - 8) | 0.75 |
| 35 (4/15/2019) | 19 (11/19/2014) | (35 - 19)/(25 - 8) | 0.941176 |
| 9.7 (6/12/2019) | 19 (11/19/2014) | (9.7 - 19)/(26 - 8) | -0.516667 |
| 7.1 (8/27/2019) | 19 (11/19/2014) | (7.1 - 19)/(27 - 8) | -0.626316 |
| 11 (10/29/2019) | 19 (11/19/2014) | (11 - 19)/(28 - 8) | -0.4 |
| 13.3 (3/30/2020) | 19 (11/19/2014) | (13.3 - 19)/(29 - 8) | -0.271429 |
| 11.4 (6/16/2020) | 19 (11/19/2014) | (11.4 - 19)/(30 - 8) | -0.345455 |
| 9 (9/21/2020) | 19 (11/19/2014) | (9 - 19)/(31 - 8) | -0.434783 |
| 20.9 (12/17/2020) | 19 (11/19/2014) | (20.9 - 19)/(32 - 8) | 0.0791667 |
| 90.4 (3/18/2021) | 19 (11/19/2014) | (90.4 - 19)/(33 - 8) | 2.856 |
| 34 (5/5/2021) | 19 (11/19/2014) | (34 - 19)/(34 - 8) | 0.576923 |
| 35.8 (9/2/2021) | 19 (11/19/2014) | (35.8 - 19)/(35 - 8) | 0.622222 |
| 12.7 (11/23/2021) | 19 (11/19/2014) | (12.7 - 19)/(36 - 8) | -0.225 |
| 17 (1/11/2022) | 19 (11/19/2014) | (17 - 19)/(37 - 8) | -0.0689655 |
| 140 (4/7/2022) | 19 (11/19/2014) | (140 - 19)/(38 - 8) | 4.03333 |
| 6.3 (8/2/2022) | 19 (11/19/2014) | (6.3 - 19)/(39 - 8) | -0.409677 |
| 7.9 (11/16/2022) | 19 (11/19/2014) | (7.9 - 19)/(40 - 8) | -0.346875 |
| 11.3 (2/14/2023) | 19 (11/19/2014) | (11.3 - 19)/(41 - 8) | -0.233333 |
| 10.6 (5/25/2023) | 19 (11/19/2014) | (10.6 - 19)/(42 - 8) | -0.247059 |
| 13.9 (8/7/2023) | 19 (11/19/2014) | (13.9 - 19)/(43 - 8) | -0.145714 |
| 10.4 (12/12/2023) | 19 (11/19/2014) | (10.4 - 19)/(44 - 8) | -0.238889 |
| 53 (1/10/2024) | 19 (11/19/2014) | (53 - 19)/(45 - 8) | 0.918919 |
| 14.6 (5/21/2024) | 19 (11/19/2014) | (14.6 - 19)/(46 - 8) | -0.115789 |
| 7.11 (9/16/2024) | 19 (11/19/2014) | (7.11 - 19)/(47 - 8) | -0.304872 |
| 19.4 (12/11/2024) | 19 (11/19/2014) | (19.4 - 19)/(48 - 8) | 0.01 |
| 20.1 (2/18/2025) | 19 (11/19/2014) | (20.1 - 19)/(49 - 8) | 0.0268293 |
| | | | |
| 18 (4/22/2015) | 14 (3/23/2015) | (18 - 14)/(10 - 9) | 4 |
| 15.3 (9/30/2015) | 14 (3/23/2015) | (15.3 - 14)/(11 - 9) | 0.65 |
| 23.2 (11/19/2015) | 14 (3/23/2015) | (23.2 - 14)/(12 - 9) | 3.06667 |
| 17.7 (3/15/2016) | 14 (3/23/2015) | (17.7 - 14)/(13 - 9) | 0.925 |
| 20.3 (6/29/2016) | 14 (3/23/2015) | (20.3 - 14)/(14 - 9) | 1.26 |
| 12.6 (8/9/2016) | 14 (3/23/2015) | (12.6 - 14)/(15 - 9) | -0.233333 |
| 17.7 (12/7/2016) | 14 (3/23/2015) | (17.7 - 14)/(16 - 9) | 0.528571 |
| 15 (3/2/2017) | 14 (3/23/2015) | (15 - 14)/(17 - 9) | 0.125 |
| 18.3 (6/29/2017) | 14 (3/23/2015) | (18.3 - 14)/(18 - 9) | 0.477778 |
| 12.7 (8/16/2017) | 14 (3/23/2015) | (12.7 - 14)/(19 - 9) | -0.13 |
| 16.9 (10/25/2017) | 14 (3/23/2015) | (16.9 - 14)/(20 - 9) | 0.263636 |
| 19.8 (3/28/2018) | 14 (3/23/2015) | (19.8 - 14)/(21 - 9) | 0.483333 |
| 23.3 (6/29/2018) | 14 (3/23/2015) | (23.3 - 14)/(22 - 9) | 0.715385 |
| 29.5 (8/2/2018) | 14 (3/23/2015) | (29.5 - 14)/(23 - 9) | 1.10714 |
| 31 (12/10/2018) | 14 (3/23/2015) | (31 - 14)/(24 - 9) | 1.13333 |
| 35 (4/15/2019) | 14 (3/23/2015) | (35 - 14)/(25 - 9) | 1.3125 |
| 9.7 (6/12/2019) | 14 (3/23/2015) | (9.7 - 14)/(26 - 9) | -0.252941 |
| 7.1 (8/27/2019) | 14 (3/23/2015) | (7.1 - 14)/(27 - 9) | -0.383333 |
| 11 (10/29/2019) | 14 (3/23/2015) | (11 - 14)/(28 - 9) | -0.157895 |
| 13.3 (3/30/2020) | 14 (3/23/2015) | (13.3 - 14)/(29 - 9) | -0.035 |
| 11.4 (6/16/2020) | 14 (3/23/2015) | (11.4 - 14)/(30 - 9) | -0.12381 |
| 9 (9/21/2020) | 14 (3/23/2015) | (9 - 14)/(31 - 9) | -0.227273 |
| 20.9 (12/17/2020) | 14 (3/23/2015) | (20.9 - 14)/(32 - 9) | 0.3 |
| 90.4 (3/18/2021) | 14 (3/23/2015) | (90.4 - 14)/(33 - 9) | 3.18333 |
| 34 (5/5/2021) | 14 (3/23/2015) | (34 - 14)/(34 - 9) | 0.8 |
| 35.8 (9/2/2021) | 14 (3/23/2015) | (35.8 - 14)/(35 - 9) | 0.838462 |

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|---|---|---|---|
| 12.7 (11/23/2021) | 14 (3/23/2015) | (12.7 - 14)/(36 - 9) | -0.0481481 |
| 17 (1/11/2022) | 14 (3/23/2015) | (17 - 14)/(37 - 9) | 0.107143 |
| 140 (4/7/2022) | 14 (3/23/2015) | (140 - 14)/(38 - 9) | 4.34483 |
| 6.3 (8/2/2022) | 14 (3/23/2015) | (6.3 - 14)/(39 - 9) | -0.256667 |
| 7.9 (11/16/2022) | 14 (3/23/2015) | (7.9 - 14)/(40 - 9) | -0.196774 |
| 11.3 (2/14/2023) | 14 (3/23/2015) | (11.3 - 14)/(41 - 9) | -0.084375 |
| 10.6 (5/25/2023) | 14 (3/23/2015) | (10.6 - 14)/(42 - 9) | -0.10303 |
| 13.9 (8/7/2023) | 14 (3/23/2015) | (13.9 - 14)/(43 - 9) | -0.00294118 |
| 10.4 (12/12/2023) | 14 (3/23/2015) | (10.4 - 14)/(44 - 9) | -0.102857 |
| 53 (1/10/2024) | 14 (3/23/2015) | (53 - 14)/(45 - 9) | 1.08333 |
| 14.6 (5/21/2024) | 14 (3/23/2015) | (14.6 - 14)/(46 - 9) | 0.0162162 |
| 7.11 (9/16/2024) | 14 (3/23/2015) | (7.11 - 14)/(47 - 9) | -0.181316 |
| 19.4 (12/11/2024) | 14 (3/23/2015) | (19.4 - 14)/(48 - 9) | 0.138462 |
| 20.1 (2/18/2025) | 14 (3/23/2015) | (20.1 - 14)/(49 - 9) | 0.1525 |
| | | | |
| 15.3 (9/30/2015) | 18 (4/22/2015) | (15.3 - 18)/(11 - 10) | -2.7 |
| 23.2 (11/19/2015) | 18 (4/22/2015) | (23.2 - 18)/(12 - 10) | 2.6 |
| 17.7 (3/15/2016) | 18 (4/22/2015) | (17.7 - 18)/(13 - 10) | -0.1 |
| 20.3 (6/29/2016) | 18 (4/22/2015) | (20.3 - 18)/(14 - 10) | 0.575 |
| 12.6 (8/9/2016) | 18 (4/22/2015) | (12.6 - 18)/(15 - 10) | -1.08 |
| 17.7 (12/7/2016) | 18 (4/22/2015) | (17.7 - 18)/(16 - 10) | -0.05 |
| 15 (3/2/2017) | 18 (4/22/2015) | (15 - 18)/(17 - 10) | -0.428571 |
| 18.3 (6/29/2017) | 18 (4/22/2015) | (18.3 - 18)/(18 - 10) | 0.0375 |
| 12.7 (8/16/2017) | 18 (4/22/2015) | (12.7 - 18)/(19 - 10) | -0.588889 |
| 16.9 (10/25/2017) | 18 (4/22/2015) | (16.9 - 18)/(20 - 10) | -0.11 |
| 19.8 (3/28/2018) | 18 (4/22/2015) | (19.8 - 18)/(21 - 10) | 0.163636 |
| 23.3 (6/29/2018) | 18 (4/22/2015) | (23.3 - 18)/(22 - 10) | 0.441667 |
| 29.5 (8/2/2018) | 18 (4/22/2015) | (29.5 - 18)/(23 - 10) | 0.884615 |
| 31 (12/10/2018) | 18 (4/22/2015) | (31 - 18)/(24 - 10) | 0.928571 |
| 35 (4/15/2019) | 18 (4/22/2015) | (35 - 18)/(25 - 10) | 1.13333 |
| 9.7 (6/12/2019) | 18 (4/22/2015) | (9.7 - 18)/(26 - 10) | -0.51875 |
| 7.1 (8/27/2019) | 18 (4/22/2015) | (7.1 - 18)/(27 - 10) | -0.641176 |
| 11 (10/29/2019) | 18 (4/22/2015) | (11 - 18)/(28 - 10) | -0.388889 |
| 13.3 (3/30/2020) | 18 (4/22/2015) | (13.3 - 18)/(29 - 10) | -0.247368 |
| 11.4 (6/16/2020) | 18 (4/22/2015) | (11.4 - 18)/(30 - 10) | -0.33 |
| 9 (9/21/2020) | 18 (4/22/2015) | (9 - 18)/(31 - 10) | -0.428571 |
| 20.9 (12/17/2020) | 18 (4/22/2015) | (20.9 - 18)/(32 - 10) | 0.131818 |
| 90.4 (3/18/2021) | 18 (4/22/2015) | (90.4 - 18)/(33 - 10) | 3.14783 |
| 34 (5/5/2021) | 18 (4/22/2015) | (34 - 18)/(34 - 10) | 0.666667 |
| 35.8 (9/2/2021) | 18 (4/22/2015) | (35.8 - 18)/(35 - 10) | 0.712 |
| 12.7 (11/23/2021) | 18 (4/22/2015) | (12.7 - 18)/(36 - 10) | -0.203846 |
| 17 (1/11/2022) | 18 (4/22/2015) | (17 - 18)/(37 - 10) | -0.037037 |
| 140 (4/7/2022) | 18 (4/22/2015) | (140 - 18)/(38 - 10) | 4.35714 |
| 6.3 (8/2/2022) | 18 (4/22/2015) | (6.3 - 18)/(39 - 10) | -0.403448 |
| 7.9 (11/16/2022) | 18 (4/22/2015) | (7.9 - 18)/(40 - 10) | -0.336667 |
| 11.3 (2/14/2023) | 18 (4/22/2015) | (11.3 - 18)/(41 - 10) | -0.216129 |
| 10.6 (5/25/2023) | 18 (4/22/2015) | (10.6 - 18)/(42 - 10) | -0.23125 |
| 13.9 (8/7/2023) | 18 (4/22/2015) | (13.9 - 18)/(43 - 10) | -0.124242 |
| 10.4 (12/12/2023) | 18 (4/22/2015) | (10.4 - 18)/(44 - 10) | -0.223529 |
| 53 (1/10/2024) | 18 (4/22/2015) | (53 - 18)/(45 - 10) | 1 |
| 14.6 (5/21/2024) | 18 (4/22/2015) | (14.6 - 18)/(46 - 10) | -0.0944444 |
| 7.11 (9/16/2024) | 18 (4/22/2015) | (7.11 - 18)/(47 - 10) | -0.294324 |
| 19.4 (12/11/2024) | 18 (4/22/2015) | (19.4 - 18)/(48 - 10) | 0.0368421 |
| 20.1 (2/18/2025) | 18 (4/22/2015) | (20.1 - 18)/(49 - 10) | 0.0538462 |
| | | | |
| 23.2 (11/19/2015) | 15.3 (9/30/2015) | (23.2 - 15.3)/(12 - 11) | 7.9 |
| 17.7 (3/15/2016) | 15.3 (9/30/2015) | (17.7 - 15.3)/(13 - 11) | 1.2 |

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|---|---|---|---|
| 20.3 (6/29/2016) | 15.3 (9/30/2015) | (20.3 - 15.3)/(14 - 11) | 1.66667 |
| 12.6 (8/9/2016) | 15.3 (9/30/2015) | (12.6 - 15.3)/(15 - 11) | -0.675 |
| 17.7 (12/7/2016) | 15.3 (9/30/2015) | (17.7 - 15.3)/(16 - 11) | 0.48 |
| 15 (3/2/2017) | 15.3 (9/30/2015) | (15 - 15.3)/(17 - 11) | -0.05 |
| 18.3 (6/29/2017) | 15.3 (9/30/2015) | (18.3 - 15.3)/(18 - 11) | 0.428571 |
| 12.7 (8/16/2017) | 15.3 (9/30/2015) | (12.7 - 15.3)/(19 - 11) | -0.325 |
| 16.9 (10/25/2017) | 15.3 (9/30/2015) | (16.9 - 15.3)/(20 - 11) | 0.177778 |
| 19.8 (3/28/2018) | 15.3 (9/30/2015) | (19.8 - 15.3)/(21 - 11) | 0.45 |
| 23.3 (6/29/2018) | 15.3 (9/30/2015) | (23.3 - 15.3)/(22 - 11) | 0.727273 |
| 29.5 (8/2/2018) | 15.3 (9/30/2015) | (29.5 - 15.3)/(23 - 11) | 1.18333 |
| 31 (12/10/2018) | 15.3 (9/30/2015) | (31 - 15.3)/(24 - 11) | 1.20769 |
| 35 (4/15/2019) | 15.3 (9/30/2015) | (35 - 15.3)/(25 - 11) | 1.40714 |
| 9.7 (6/12/2019) | 15.3 (9/30/2015) | (9.7 - 15.3)/(26 - 11) | -0.373333 |
| 7.1 (8/27/2019) | 15.3 (9/30/2015) | (7.1 - 15.3)/(27 - 11) | -0.5125 |
| 11 (10/29/2019) | 15.3 (9/30/2015) | (11 - 15.3)/(28 - 11) | -0.252941 |
| 13.3 (3/30/2020) | 15.3 (9/30/2015) | (13.3 - 15.3)/(29 - 11) | -0.111111 |
| 11.4 (6/16/2020) | 15.3 (9/30/2015) | (11.4 - 15.3)/(30 - 11) | -0.205263 |
| 9 (9/21/2020) | 15.3 (9/30/2015) | (9 - 15.3)/(31 - 11) | -0.315 |
| 20.9 (12/17/2020) | 15.3 (9/30/2015) | (20.9 - 15.3)/(32 - 11) | 0.266667 |
| 90.4 (3/18/2021) | 15.3 (9/30/2015) | (90.4 - 15.3)/(33 - 11) | 3.41364 |
| 34 (5/5/2021) | 15.3 (9/30/2015) | (34 - 15.3)/(34 - 11) | 0.813043 |
| 35.8 (9/2/2021) | 15.3 (9/30/2015) | (35.8 - 15.3)/(35 - 11) | 0.854167 |
| 12.7 (11/23/2021) | 15.3 (9/30/2015) | (12.7 - 15.3)/(36 - 11) | -0.104 |
| 17 (1/11/2022) | 15.3 (9/30/2015) | (17 - 15.3)/(37 - 11) | 0.0653846 |
| 140 (4/7/2022) | 15.3 (9/30/2015) | (140 - 15.3)/(38 - 11) | 4.61852 |
| 6.3 (8/2/2022) | 15.3 (9/30/2015) | (6.3 - 15.3)/(39 - 11) | -0.321429 |
| 7.9 (11/16/2022) | 15.3 (9/30/2015) | (7.9 - 15.3)/(40 - 11) | -0.255172 |
| 11.3 (2/14/2023) | 15.3 (9/30/2015) | (11.3 - 15.3)/(41 - 11) | -0.133333 |
| 10.6 (5/25/2023) | 15.3 (9/30/2015) | (10.6 - 15.3)/(42 - 11) | -0.151613 |
| 13.9 (8/7/2023) | 15.3 (9/30/2015) | (13.9 - 15.3)/(43 - 11) | -0.04375 |
| 10.4 (12/12/2023) | 15.3 (9/30/2015) | (10.4 - 15.3)/(44 - 11) | -0.148485 |
| 53 (1/10/2024) | 15.3 (9/30/2015) | (53 - 15.3)/(45 - 11) | 1.10882 |
| 14.6 (5/21/2024) | 15.3 (9/30/2015) | (14.6 - 15.3)/(46 - 11) | -0.02 |
| 7.11 (9/16/2024) | 15.3 (9/30/2015) | (7.11 - 15.3)/(47 - 11) | -0.2275 |
| 19.4 (12/11/2024) | 15.3 (9/30/2015) | (19.4 - 15.3)/(48 - 11) | 0.110811 |
| 20.1 (2/18/2025) | 15.3 (9/30/2015) | (20.1 - 15.3)/(49 - 11) | 0.126316 |
| | | | |
| 17.7 (3/15/2016) | 23.2 (11/19/2015) | (17.7 - 23.2)/(13 - 12) | -5.5 |
| 20.3 (6/29/2016) | 23.2 (11/19/2015) | (20.3 - 23.2)/(14 - 12) | -1.45 |
| 12.6 (8/9/2016) | 23.2 (11/19/2015) | (12.6 - 23.2)/(15 - 12) | -3.53333 |
| 17.7 (12/7/2016) | 23.2 (11/19/2015) | (17.7 - 23.2)/(16 - 12) | -1.375 |
| 15 (3/2/2017) | 23.2 (11/19/2015) | (15 - 23.2)/(17 - 12) | -1.64 |
| 18.3 (6/29/2017) | 23.2 (11/19/2015) | (18.3 - 23.2)/(18 - 12) | -0.816667 |
| 12.7 (8/16/2017) | 23.2 (11/19/2015) | (12.7 - 23.2)/(19 - 12) | -1.5 |
| 16.9 (10/25/2017) | 23.2 (11/19/2015) | (16.9 - 23.2)/(20 - 12) | -0.7875 |
| 19.8 (3/28/2018) | 23.2 (11/19/2015) | (19.8 - 23.2)/(21 - 12) | -0.377778 |
| 23.3 (6/29/2018) | 23.2 (11/19/2015) | (23.3 - 23.2)/(22 - 12) | 0.01 |
| 29.5 (8/2/2018) | 23.2 (11/19/2015) | (29.5 - 23.2)/(23 - 12) | 0.572727 |
| 31 (12/10/2018) | 23.2 (11/19/2015) | (31 - 23.2)/(24 - 12) | 0.65 |
| 35 (4/15/2019) | 23.2 (11/19/2015) | (35 - 23.2)/(25 - 12) | 0.907692 |
| 9.7 (6/12/2019) | 23.2 (11/19/2015) | (9.7 - 23.2)/(26 - 12) | -0.964286 |
| 7.1 (8/27/2019) | 23.2 (11/19/2015) | (7.1 - 23.2)/(27 - 12) | -1.07333 |
| 11 (10/29/2019) | 23.2 (11/19/2015) | (11 - 23.2)/(28 - 12) | -0.7625 |
| 13.3 (3/30/2020) | 23.2 (11/19/2015) | (13.3 - 23.2)/(29 - 12) | -0.582353 |
| 11.4 (6/16/2020) | 23.2 (11/19/2015) | (11.4 - 23.2)/(30 - 12) | -0.655556 |
| 9 (9/21/2020) | 23.2 (11/19/2015) | (9 - 23.2)/(31 - 12) | -0.747368 |
| 20.9 (12/17/2020) | 23.2 (11/19/2015) | (20.9 - 23.2)/(32 - 12) | -0.115 |

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| 90.4 (3/18/2021) | 23.2 (11/19/2015) | (90.4 - 23.2)/(33 - 12) | 3.2 |
| 34 (5/5/2021) | 23.2 (11/19/2015) | (34 - 23.2)/(34 - 12) | 0.490909 |
| 35.8 (9/2/2021) | 23.2 (11/19/2015) | (35.8 - 23.2)/(35 - 12) | 0.547826 |
| 12.7 (11/23/2021) | 23.2 (11/19/2015) | (12.7 - 23.2)/(36 - 12) | -0.4375 |
| 17 (1/11/2022) | 23.2 (11/19/2015) | (17 - 23.2)/(37 - 12) | -0.248 |
| 140 (4/7/2022) | 23.2 (11/19/2015) | (140 - 23.2)/(38 - 12) | 4.49231 |
| 6.3 (8/2/2022) | 23.2 (11/19/2015) | (6.3 - 23.2)/(39 - 12) | -0.625926 |
| 7.9 (11/16/2022) | 23.2 (11/19/2015) | (7.9 - 23.2)/(40 - 12) | -0.546429 |
| 11.3 (2/14/2023) | 23.2 (11/19/2015) | (11.3 - 23.2)/(41 - 12) | -0.410345 |
| 10.6 (5/25/2023) | 23.2 (11/19/2015) | (10.6 - 23.2)/(42 - 12) | -0.42 |
| 13.9 (8/7/2023) | 23.2 (11/19/2015) | (13.9 - 23.2)/(43 - 12) | -0.3 |
| 10.4 (12/12/2023) | 23.2 (11/19/2015) | (10.4 - 23.2)/(44 - 12) | -0.4 |
| 53 (1/10/2024) | 23.2 (11/19/2015) | (53 - 23.2)/(45 - 12) | 0.90303 |
| 14.6 (5/21/2024) | 23.2 (11/19/2015) | (14.6 - 23.2)/(46 - 12) | -0.252941 |
| 7.11 (9/16/2024) | 23.2 (11/19/2015) | (7.11 - 23.2)/(47 - 12) | -0.459714 |
| 19.4 (12/11/2024) | 23.2 (11/19/2015) | (19.4 - 23.2)/(48 - 12) | -0.105556 |
| 20.1 (2/18/2025) | 23.2 (11/19/2015) | (20.1 - 23.2)/(49 - 12) | -0.0837838 |
| | | | |
| 20.3 (6/29/2016) | 17.7 (3/15/2016) | (20.3 - 17.7)/(14 - 13) | 2.6 |
| 12.6 (8/9/2016) | 17.7 (3/15/2016) | (12.6 - 17.7)/(15 - 13) | -2.55 |
| 17.7 (12/7/2016) | 17.7 (3/15/2016) | (17.7 - 17.7)/(16 - 13) | 0 |
| 15 (3/2/2017) | 17.7 (3/15/2016) | (15 - 17.7)/(17 - 13) | -0.675 |
| 18.3 (6/29/2017) | 17.7 (3/15/2016) | (18.3 - 17.7)/(18 - 13) | 0.12 |
| 12.7 (8/16/2017) | 17.7 (3/15/2016) | (12.7 - 17.7)/(19 - 13) | -0.833333 |
| 16.9 (10/25/2017) | 17.7 (3/15/2016) | (16.9 - 17.7)/(20 - 13) | -0.114286 |
| 19.8 (3/28/2018) | 17.7 (3/15/2016) | (19.8 - 17.7)/(21 - 13) | 0.2625 |
| 23.3 (6/29/2018) | 17.7 (3/15/2016) | (23.3 - 17.7)/(22 - 13) | 0.622222 |
| 29.5 (8/2/2018) | 17.7 (3/15/2016) | (29.5 - 17.7)/(23 - 13) | 1.18 |
| 31 (12/10/2018) | 17.7 (3/15/2016) | (31 - 17.7)/(24 - 13) | 1.20909 |
| 35 (4/15/2019) | 17.7 (3/15/2016) | (35 - 17.7)/(25 - 13) | 1.44167 |
| 9.7 (6/12/2019) | 17.7 (3/15/2016) | (9.7 - 17.7)/(26 - 13) | -0.615385 |
| 7.1 (8/27/2019) | 17.7 (3/15/2016) | (7.1 - 17.7)/(27 - 13) | -0.757143 |
| 11 (10/29/2019) | 17.7 (3/15/2016) | (11 - 17.7)/(28 - 13) | -0.446667 |
| 13.3 (3/30/2020) | 17.7 (3/15/2016) | (13.3 - 17.7)/(29 - 13) | -0.275 |
| 11.4 (6/16/2020) | 17.7 (3/15/2016) | (11.4 - 17.7)/(30 - 13) | -0.370588 |
| 9 (9/21/2020) | 17.7 (3/15/2016) | (9 - 17.7)/(31 - 13) | -0.483333 |
| 20.9 (12/17/2020) | 17.7 (3/15/2016) | (20.9 - 17.7)/(32 - 13) | 0.168421 |
| 90.4 (3/18/2021) | 17.7 (3/15/2016) | (90.4 - 17.7)/(33 - 13) | 3.635 |
| 34 (5/5/2021) | 17.7 (3/15/2016) | (34 - 17.7)/(34 - 13) | 0.77619 |
| 35.8 (9/2/2021) | 17.7 (3/15/2016) | (35.8 - 17.7)/(35 - 13) | 0.822727 |
| 12.7 (11/23/2021) | 17.7 (3/15/2016) | (12.7 - 17.7)/(36 - 13) | -0.217391 |
| 17 (1/11/2022) | 17.7 (3/15/2016) | (17 - 17.7)/(37 - 13) | -0.0291667 |
| 140 (4/7/2022) | 17.7 (3/15/2016) | (140 - 17.7)/(38 - 13) | 4.892 |
| 6.3 (8/2/2022) | 17.7 (3/15/2016) | (6.3 - 17.7)/(39 - 13) | -0.438462 |
| 7.9 (11/16/2022) | 17.7 (3/15/2016) | (7.9 - 17.7)/(40 - 13) | -0.362963 |
| 11.3 (2/14/2023) | 17.7 (3/15/2016) | (11.3 - 17.7)/(41 - 13) | -0.228571 |
| 10.6 (5/25/2023) | 17.7 (3/15/2016) | (10.6 - 17.7)/(42 - 13) | -0.244828 |
| 13.9 (8/7/2023) | 17.7 (3/15/2016) | (13.9 - 17.7)/(43 - 13) | -0.126667 |
| 10.4 (12/12/2023) | 17.7 (3/15/2016) | (10.4 - 17.7)/(44 - 13) | -0.235484 |
| 53 (1/10/2024) | 17.7 (3/15/2016) | (53 - 17.7)/(45 - 13) | 1.10312 |
| 14.6 (5/21/2024) | 17.7 (3/15/2016) | (14.6 - 17.7)/(46 - 13) | -0.0939394 |
| 7.11 (9/16/2024) | 17.7 (3/15/2016) | (7.11 - 17.7)/(47 - 13) | -0.311471 |
| 19.4 (12/11/2024) | 17.7 (3/15/2016) | (19.4 - 17.7)/(48 - 13) | 0.0485714 |
| 20.1 (2/18/2025) | 17.7 (3/15/2016) | (20.1 - 17.7)/(49 - 13) | 0.0666667 |
| | | | |
| 12.6 (8/9/2016) | 20.3 (6/29/2016) | (12.6 - 20.3)/(15 - 14) | -7.7 |
| 17.7 (12/7/2016) | 20.3 (6/29/2016) | (17.7 - 20.3)/(16 - 14) | -1.3 |

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|---|---|---|---|
| 15 (3/2/2017) | 20.3 (6/29/2016) | (15 - 20.3)/(17 - 14) | -1.76667 |
| 18.3 (6/29/2017) | 20.3 (6/29/2016) | (18.3 - 20.3)/(18 - 14) | -0.5 |
| 12.7 (8/16/2017) | 20.3 (6/29/2016) | (12.7 - 20.3)/(19 - 14) | -1.52 |
| 16.9 (10/25/2017) | 20.3 (6/29/2016) | (16.9 - 20.3)/(20 - 14) | -0.566667 |
| 19.8 (3/28/2018) | 20.3 (6/29/2016) | (19.8 - 20.3)/(21 - 14) | -0.0714286 |
| 23.3 (6/29/2018) | 20.3 (6/29/2016) | (23.3 - 20.3)/(22 - 14) | 0.375 |
| 29.5 (8/2/2018) | 20.3 (6/29/2016) | (29.5 - 20.3)/(23 - 14) | 1.02222 |
| 31 (12/10/2018) | 20.3 (6/29/2016) | (31 - 20.3)/(24 - 14) | 1.07 |
| 35 (4/15/2019) | 20.3 (6/29/2016) | (35 - 20.3)/(25 - 14) | 1.33636 |
| 9.7 (6/12/2019) | 20.3 (6/29/2016) | (9.7 - 20.3)/(26 - 14) | -0.883333 |
| 7.1 (8/27/2019) | 20.3 (6/29/2016) | (7.1 - 20.3)/(27 - 14) | -1.01538 |
| 11 (10/29/2019) | 20.3 (6/29/2016) | (11 - 20.3)/(28 - 14) | -0.664286 |
| 13.3 (3/30/2020) | 20.3 (6/29/2016) | (13.3 - 20.3)/(29 - 14) | -0.466667 |
| 11.4 (6/16/2020) | 20.3 (6/29/2016) | (11.4 - 20.3)/(30 - 14) | -0.55625 |
| 9 (9/21/2020) | 20.3 (6/29/2016) | (9 - 20.3)/(31 - 14) | -0.664706 |
| 20.9 (12/17/2020) | 20.3 (6/29/2016) | (20.9 - 20.3)/(32 - 14) | 0.0333333 |
| 90.4 (3/18/2021) | 20.3 (6/29/2016) | (90.4 - 20.3)/(33 - 14) | 3.68947 |
| 34 (5/5/2021) | 20.3 (6/29/2016) | (34 - 20.3)/(34 - 14) | 0.685 |
| 35.8 (9/2/2021) | 20.3 (6/29/2016) | (35.8 - 20.3)/(35 - 14) | 0.738095 |
| 12.7 (11/23/2021) | 20.3 (6/29/2016) | (12.7 - 20.3)/(36 - 14) | -0.345455 |
| 17 (1/11/2022) | 20.3 (6/29/2016) | (17 - 20.3)/(37 - 14) | -0.143478 |
| 140 (4/7/2022) | 20.3 (6/29/2016) | (140 - 20.3)/(38 - 14) | 4.9875 |
| 6.3 (8/2/2022) | 20.3 (6/29/2016) | (6.3 - 20.3)/(39 - 14) | -0.56 |
| 7.9 (11/16/2022) | 20.3 (6/29/2016) | (7.9 - 20.3)/(40 - 14) | -0.476923 |
| 11.3 (2/14/2023) | 20.3 (6/29/2016) | (11.3 - 20.3)/(41 - 14) | -0.333333 |
| 10.6 (5/25/2023) | 20.3 (6/29/2016) | (10.6 - 20.3)/(42 - 14) | -0.346429 |
| 13.9 (8/7/2023) | 20.3 (6/29/2016) | (13.9 - 20.3)/(43 - 14) | -0.22069 |
| 10.4 (12/12/2023) | 20.3 (6/29/2016) | (10.4 - 20.3)/(44 - 14) | -0.33 |
| 53 (1/10/2024) | 20.3 (6/29/2016) | (53 - 20.3)/(45 - 14) | 1.05484 |
| 14.6 (5/21/2024) | 20.3 (6/29/2016) | (14.6 - 20.3)/(46 - 14) | -0.178125 |
| 7.11 (9/16/2024) | 20.3 (6/29/2016) | (7.11 - 20.3)/(47 - 14) | -0.399697 |
| 19.4 (12/11/2024) | 20.3 (6/29/2016) | (19.4 - 20.3)/(48 - 14) | -0.0264706 |
| 20.1 (2/18/2025) | 20.3 (6/29/2016) | (20.1 - 20.3)/(49 - 14) | -0.00571429 |
| | | | |
| 17.7 (12/7/2016) | 12.6 (8/9/2016) | (17.7 - 12.6)/(16 - 15) | 5.1 |
| 15 (3/2/2017) | 12.6 (8/9/2016) | (15 - 12.6)/(17 - 15) | 1.2 |
| 18.3 (6/29/2017) | 12.6 (8/9/2016) | (18.3 - 12.6)/(18 - 15) | 1.9 |
| 12.7 (8/16/2017) | 12.6 (8/9/2016) | (12.7 - 12.6)/(19 - 15) | 0.025 |
| 16.9 (10/25/2017) | 12.6 (8/9/2016) | (16.9 - 12.6)/(20 - 15) | 0.86 |
| 19.8 (3/28/2018) | 12.6 (8/9/2016) | (19.8 - 12.6)/(21 - 15) | 1.2 |
| 23.3 (6/29/2018) | 12.6 (8/9/2016) | (23.3 - 12.6)/(22 - 15) | 1.52857 |
| 29.5 (8/2/2018) | 12.6 (8/9/2016) | (29.5 - 12.6)/(23 - 15) | 2.1125 |
| 31 (12/10/2018) | 12.6 (8/9/2016) | (31 - 12.6)/(24 - 15) | 2.04444 |
| 35 (4/15/2019) | 12.6 (8/9/2016) | (35 - 12.6)/(25 - 15) | 2.24 |
| 9.7 (6/12/2019) | 12.6 (8/9/2016) | (9.7 - 12.6)/(26 - 15) | -0.263636 |
| 7.1 (8/27/2019) | 12.6 (8/9/2016) | (7.1 - 12.6)/(27 - 15) | -0.458333 |
| 11 (10/29/2019) | 12.6 (8/9/2016) | (11 - 12.6)/(28 - 15) | -0.123077 |
| 13.3 (3/30/2020) | 12.6 (8/9/2016) | (13.3 - 12.6)/(29 - 15) | 0.05 |
| 11.4 (6/16/2020) | 12.6 (8/9/2016) | (11.4 - 12.6)/(30 - 15) | -0.08 |
| 9 (9/21/2020) | 12.6 (8/9/2016) | (9 - 12.6)/(31 - 15) | -0.225 |
| 20.9 (12/17/2020) | 12.6 (8/9/2016) | (20.9 - 12.6)/(32 - 15) | 0.488235 |
| 90.4 (3/18/2021) | 12.6 (8/9/2016) | (90.4 - 12.6)/(33 - 15) | 4.32222 |
| 34 (5/5/2021) | 12.6 (8/9/2016) | (34 - 12.6)/(34 - 15) | 1.12632 |
| 35.8 (9/2/2021) | 12.6 (8/9/2016) | (35.8 - 12.6)/(35 - 15) | 1.16 |
| 12.7 (11/23/2021) | 12.6 (8/9/2016) | (12.7 - 12.6)/(36 - 15) | 0.0047619 |
| 17 (1/11/2022) | 12.6 (8/9/2016) | (17 - 12.6)/(37 - 15) | 0.2 |
| 140 (4/7/2022) | 12.6 (8/9/2016) | (140 - 12.6)/(38 - 15) | 5.53913 |

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|---|---|---|---|
| 6.3 (8/2/2022) | 12.6 (8/9/2016) | (6.3 - 12.6)/(39 - 15) | -0.2625 |
| 7.9 (11/16/2022) | 12.6 (8/9/2016) | (7.9 - 12.6)/(40 - 15) | -0.188 |
| 11.3 (2/14/2023) | 12.6 (8/9/2016) | (11.3 - 12.6)/(41 - 15) | -0.05 |
| 10.6 (5/25/2023) | 12.6 (8/9/2016) | (10.6 - 12.6)/(42 - 15) | -0.0740741 |
| 13.9 (8/7/2023) | 12.6 (8/9/2016) | (13.9 - 12.6)/(43 - 15) | 0.0464286 |
| 10.4 (12/12/2023) | 12.6 (8/9/2016) | (10.4 - 12.6)/(44 - 15) | -0.0758621 |
| 53 (1/10/2024) | 12.6 (8/9/2016) | (53 - 12.6)/(45 - 15) | 1.34667 |
| 14.6 (5/21/2024) | 12.6 (8/9/2016) | (14.6 - 12.6)/(46 - 15) | 0.0645161 |
| 7.11 (9/16/2024) | 12.6 (8/9/2016) | (7.11 - 12.6)/(47 - 15) | -0.171562 |
| 19.4 (12/11/2024) | 12.6 (8/9/2016) | (19.4 - 12.6)/(48 - 15) | 0.206061 |
| 20.1 (2/18/2025) | 12.6 (8/9/2016) | (20.1 - 12.6)/(49 - 15) | 0.220588 |
| | | | |
| 15 (3/2/2017) | 17.7 (12/7/2016) | (15 - 17.7)/(17 - 16) | -2.7 |
| 18.3 (6/29/2017) | 17.7 (12/7/2016) | (18.3 - 17.7)/(18 - 16) | 0.3 |
| 12.7 (8/16/2017) | 17.7 (12/7/2016) | (12.7 - 17.7)/(19 - 16) | -1.66667 |
| 16.9 (10/25/2017) | 17.7 (12/7/2016) | (16.9 - 17.7)/(20 - 16) | -0.2 |
| 19.8 (3/28/2018) | 17.7 (12/7/2016) | (19.8 - 17.7)/(21 - 16) | 0.42 |
| 23.3 (6/29/2018) | 17.7 (12/7/2016) | (23.3 - 17.7)/(22 - 16) | 0.933333 |
| 29.5 (8/2/2018) | 17.7 (12/7/2016) | (29.5 - 17.7)/(23 - 16) | 1.68571 |
| 31 (12/10/2018) | 17.7 (12/7/2016) | (31 - 17.7)/(24 - 16) | 1.6625 |
| 35 (4/15/2019) | 17.7 (12/7/2016) | (35 - 17.7)/(25 - 16) | 1.92222 |
| 9.7 (6/12/2019) | 17.7 (12/7/2016) | (9.7 - 17.7)/(26 - 16) | -0.8 |
| 7.1 (8/27/2019) | 17.7 (12/7/2016) | (7.1 - 17.7)/(27 - 16) | -0.963636 |
| 11 (10/29/2019) | 17.7 (12/7/2016) | (11 - 17.7)/(28 - 16) | -0.558333 |
| 13.3 (3/30/2020) | 17.7 (12/7/2016) | (13.3 - 17.7)/(29 - 16) | -0.338462 |
| 11.4 (6/16/2020) | 17.7 (12/7/2016) | (11.4 - 17.7)/(30 - 16) | -0.45 |
| 9 (9/21/2020) | 17.7 (12/7/2016) | (9 - 17.7)/(31 - 16) | -0.58 |
| 20.9 (12/17/2020) | 17.7 (12/7/2016) | (20.9 - 17.7)/(32 - 16) | 0.2 |
| 90.4 (3/18/2021) | 17.7 (12/7/2016) | (90.4 - 17.7)/(33 - 16) | 4.27647 |
| 34 (5/5/2021) | 17.7 (12/7/2016) | (34 - 17.7)/(34 - 16) | 0.905556 |
| 35.8 (9/2/2021) | 17.7 (12/7/2016) | (35.8 - 17.7)/(35 - 16) | 0.952632 |
| 12.7 (11/23/2021) | 17.7 (12/7/2016) | (12.7 - 17.7)/(36 - 16) | -0.25 |
| 17 (1/11/2022) | 17.7 (12/7/2016) | (17 - 17.7)/(37 - 16) | -0.0333333 |
| 140 (4/7/2022) | 17.7 (12/7/2016) | (140 - 17.7)/(38 - 16) | 5.55909 |
| 6.3 (8/2/2022) | 17.7 (12/7/2016) | (6.3 - 17.7)/(39 - 16) | -0.495652 |
| 7.9 (11/16/2022) | 17.7 (12/7/2016) | (7.9 - 17.7)/(40 - 16) | -0.408333 |
| 11.3 (2/14/2023) | 17.7 (12/7/2016) | (11.3 - 17.7)/(41 - 16) | -0.256 |
| 10.6 (5/25/2023) | 17.7 (12/7/2016) | (10.6 - 17.7)/(42 - 16) | -0.273077 |
| 13.9 (8/7/2023) | 17.7 (12/7/2016) | (13.9 - 17.7)/(43 - 16) | -0.140741 |
| 10.4 (12/12/2023) | 17.7 (12/7/2016) | (10.4 - 17.7)/(44 - 16) | -0.260714 |
| 53 (1/10/2024) | 17.7 (12/7/2016) | (53 - 17.7)/(45 - 16) | 1.21724 |
| 14.6 (5/21/2024) | 17.7 (12/7/2016) | (14.6 - 17.7)/(46 - 16) | -0.103333 |
| 7.11 (9/16/2024) | 17.7 (12/7/2016) | (7.11 - 17.7)/(47 - 16) | -0.341613 |
| 19.4 (12/11/2024) | 17.7 (12/7/2016) | (19.4 - 17.7)/(48 - 16) | 0.053125 |
| 20.1 (2/18/2025) | 17.7 (12/7/2016) | (20.1 - 17.7)/(49 - 16) | 0.0727273 |
| | | | |
| 18.3 (6/29/2017) | 15 (3/2/2017) | (18.3 - 15)/(18 - 17) | 3.3 |
| 12.7 (8/16/2017) | 15 (3/2/2017) | (12.7 - 15)/(19 - 17) | -1.15 |
| 16.9 (10/25/2017) | 15 (3/2/2017) | (16.9 - 15)/(20 - 17) | 0.633333 |
| 19.8 (3/28/2018) | 15 (3/2/2017) | (19.8 - 15)/(21 - 17) | 1.2 |
| 23.3 (6/29/2018) | 15 (3/2/2017) | (23.3 - 15)/(22 - 17) | 1.66 |
| 29.5 (8/2/2018) | 15 (3/2/2017) | (29.5 - 15)/(23 - 17) | 2.41667 |
| 31 (12/10/2018) | 15 (3/2/2017) | (31 - 15)/(24 - 17) | 2.28571 |
| 35 (4/15/2019) | 15 (3/2/2017) | (35 - 15)/(25 - 17) | 2.5 |
| 9.7 (6/12/2019) | 15 (3/2/2017) | (9.7 - 15)/(26 - 17) | -0.588889 |
| 7.1 (8/27/2019) | 15 (3/2/2017) | (7.1 - 15)/(27 - 17) | -0.79 |
| 11 (10/29/2019) | 15 (3/2/2017) | (11 - 15)/(28 - 17) | -0.363636 |

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|---|---|---|---|
| 13.3 (3/30/2020) | 15 (3/2/2017) | (13.3 - 15)/(29 - 17) | -0.141667 |
| 11.4 (6/16/2020) | 15 (3/2/2017) | (11.4 - 15)/(30 - 17) | -0.276923 |
| 9 (9/21/2020) | 15 (3/2/2017) | (9 - 15)/(31 - 17) | -0.428571 |
| 20.9 (12/17/2020) | 15 (3/2/2017) | (20.9 - 15)/(32 - 17) | 0.393333 |
| 90.4 (3/18/2021) | 15 (3/2/2017) | (90.4 - 15)/(33 - 17) | 4.7125 |
| 34 (5/5/2021) | 15 (3/2/2017) | (34 - 15)/(34 - 17) | 1.11765 |
| 35.8 (9/2/2021) | 15 (3/2/2017) | (35.8 - 15)/(35 - 17) | 1.15556 |
| 12.7 (11/23/2021) | 15 (3/2/2017) | (12.7 - 15)/(36 - 17) | -0.121053 |
| 17 (1/11/2022) | 15 (3/2/2017) | (17 - 15)/(37 - 17) | 0.1 |
| 140 (4/7/2022) | 15 (3/2/2017) | (140 - 15)/(38 - 17) | 5.95238 |
| 6.3 (8/2/2022) | 15 (3/2/2017) | (6.3 - 15)/(39 - 17) | -0.395455 |
| 7.9 (11/16/2022) | 15 (3/2/2017) | (7.9 - 15)/(40 - 17) | -0.308696 |
| 11.3 (2/14/2023) | 15 (3/2/2017) | (11.3 - 15)/(41 - 17) | -0.154167 |
| 10.6 (5/25/2023) | 15 (3/2/2017) | (10.6 - 15)/(42 - 17) | -0.176 |
| 13.9 (8/7/2023) | 15 (3/2/2017) | (13.9 - 15)/(43 - 17) | -0.0423077 |
| 10.4 (12/12/2023) | 15 (3/2/2017) | (10.4 - 15)/(44 - 17) | -0.17037 |
| 53 (1/10/2024) | 15 (3/2/2017) | (53 - 15)/(45 - 17) | 1.35714 |
| 14.6 (5/21/2024) | 15 (3/2/2017) | (14.6 - 15)/(46 - 17) | -0.0137931 |
| 7.11 (9/16/2024) | 15 (3/2/2017) | (7.11 - 15)/(47 - 17) | -0.263 |
| 19.4 (12/11/2024) | 15 (3/2/2017) | (19.4 - 15)/(48 - 17) | 0.141935 |
| 20.1 (2/18/2025) | 15 (3/2/2017) | (20.1 - 15)/(49 - 17) | 0.159375 |
| | | | |
| 12.7 (8/16/2017) | 18.3 (6/29/2017) | (12.7 - 18.3)/(19 - 18) | -5.6 |
| 16.9 (10/25/2017) | 18.3 (6/29/2017) | (16.9 - 18.3)/(20 - 18) | -0.7 |
| 19.8 (3/28/2018) | 18.3 (6/29/2017) | (19.8 - 18.3)/(21 - 18) | 0.5 |
| 23.3 (6/29/2018) | 18.3 (6/29/2017) | (23.3 - 18.3)/(22 - 18) | 1.25 |
| 29.5 (8/2/2018) | 18.3 (6/29/2017) | (29.5 - 18.3)/(23 - 18) | 2.24 |
| 31 (12/10/2018) | 18.3 (6/29/2017) | (31 - 18.3)/(24 - 18) | 2.11667 |
| 35 (4/15/2019) | 18.3 (6/29/2017) | (35 - 18.3)/(25 - 18) | 2.38571 |
| 9.7 (6/12/2019) | 18.3 (6/29/2017) | (9.7 - 18.3)/(26 - 18) | -1.075 |
| 7.1 (8/27/2019) | 18.3 (6/29/2017) | (7.1 - 18.3)/(27 - 18) | -1.24444 |
| 11 (10/29/2019) | 18.3 (6/29/2017) | (11 - 18.3)/(28 - 18) | -0.73 |
| 13.3 (3/30/2020) | 18.3 (6/29/2017) | (13.3 - 18.3)/(29 - 18) | -0.454545 |
| 11.4 (6/16/2020) | 18.3 (6/29/2017) | (11.4 - 18.3)/(30 - 18) | -0.575 |
| 9 (9/21/2020) | 18.3 (6/29/2017) | (9 - 18.3)/(31 - 18) | -0.715385 |
| 20.9 (12/17/2020) | 18.3 (6/29/2017) | (20.9 - 18.3)/(32 - 18) | 0.185714 |
| 90.4 (3/18/2021) | 18.3 (6/29/2017) | (90.4 - 18.3)/(33 - 18) | 4.80667 |
| 34 (5/5/2021) | 18.3 (6/29/2017) | (34 - 18.3)/(34 - 18) | 0.98125 |
| 35.8 (9/2/2021) | 18.3 (6/29/2017) | (35.8 - 18.3)/(35 - 18) | 1.02941 |
| 12.7 (11/23/2021) | 18.3 (6/29/2017) | (12.7 - 18.3)/(36 - 18) | -0.311111 |
| 17 (1/11/2022) | 18.3 (6/29/2017) | (17 - 18.3)/(37 - 18) | -0.0684211 |
| 140 (4/7/2022) | 18.3 (6/29/2017) | (140 - 18.3)/(38 - 18) | 6.085 |
| 6.3 (8/2/2022) | 18.3 (6/29/2017) | (6.3 - 18.3)/(39 - 18) | -0.571429 |
| 7.9 (11/16/2022) | 18.3 (6/29/2017) | (7.9 - 18.3)/(40 - 18) | -0.472727 |
| 11.3 (2/14/2023) | 18.3 (6/29/2017) | (11.3 - 18.3)/(41 - 18) | -0.304348 |
| 10.6 (5/25/2023) | 18.3 (6/29/2017) | (10.6 - 18.3)/(42 - 18) | -0.320833 |
| 13.9 (8/7/2023) | 18.3 (6/29/2017) | (13.9 - 18.3)/(43 - 18) | -0.176 |
| 10.4 (12/12/2023) | 18.3 (6/29/2017) | (10.4 - 18.3)/(44 - 18) | -0.303846 |
| 53 (1/10/2024) | 18.3 (6/29/2017) | (53 - 18.3)/(45 - 18) | 1.28519 |
| 14.6 (5/21/2024) | 18.3 (6/29/2017) | (14.6 - 18.3)/(46 - 18) | -0.132143 |
| 7.11 (9/16/2024) | 18.3 (6/29/2017) | (7.11 - 18.3)/(47 - 18) | -0.385862 |
| 19.4 (12/11/2024) | 18.3 (6/29/2017) | (19.4 - 18.3)/(48 - 18) | 0.0366667 |
| 20.1 (2/18/2025) | 18.3 (6/29/2017) | (20.1 - 18.3)/(49 - 18) | 0.0580645 |
| | | | |
| 16.9 (10/25/2017) | 12.7 (8/16/2017) | (16.9 - 12.7)/(20 - 19) | 4.2 |
| 19.8 (3/28/2018) | 12.7 (8/16/2017) | (19.8 - 12.7)/(21 - 19) | 3.55 |
| 23.3 (6/29/2018) | 12.7 (8/16/2017) | (23.3 - 12.7)/(22 - 19) | 3.53333 |

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|---|---|---|---|
| 29.5 (8/2/2018) | 12.7 (8/16/2017) | (29.5 - 12.7)/(23 - 19) | 4.2 |
| 31 (12/10/2018) | 12.7 (8/16/2017) | (31 - 12.7)/(24 - 19) | 3.66 |
| 35 (4/15/2019) | 12.7 (8/16/2017) | (35 - 12.7)/(25 - 19) | 3.71667 |
| 9.7 (6/12/2019) | 12.7 (8/16/2017) | (9.7 - 12.7)/(26 - 19) | -0.428571 |
| 7.1 (8/27/2019) | 12.7 (8/16/2017) | (7.1 - 12.7)/(27 - 19) | -0.7 |
| 11 (10/29/2019) | 12.7 (8/16/2017) | (11 - 12.7)/(28 - 19) | -0.188889 |
| 13.3 (3/30/2020) | 12.7 (8/16/2017) | (13.3 - 12.7)/(29 - 19) | 0.06 |
| 11.4 (6/16/2020) | 12.7 (8/16/2017) | (11.4 - 12.7)/(30 - 19) | -0.118182 |
| 9 (9/21/2020) | 12.7 (8/16/2017) | (9 - 12.7)/(31 - 19) | -0.308333 |
| 20.9 (12/17/2020) | 12.7 (8/16/2017) | (20.9 - 12.7)/(32 - 19) | 0.630769 |
| 90.4 (3/18/2021) | 12.7 (8/16/2017) | (90.4 - 12.7)/(33 - 19) | 5.55 |
| 34 (5/5/2021) | 12.7 (8/16/2017) | (34 - 12.7)/(34 - 19) | 1.42 |
| 35.8 (9/2/2021) | 12.7 (8/16/2017) | (35.8 - 12.7)/(35 - 19) | 1.44375 |
| 12.7 (11/23/2021) | 12.7 (8/16/2017) | (12.7 - 12.7)/(36 - 19) | 0 |
| 17 (1/11/2022) | 12.7 (8/16/2017) | (17 - 12.7)/(37 - 19) | 0.238889 |
| 140 (4/7/2022) | 12.7 (8/16/2017) | (140 - 12.7)/(38 - 19) | 6.7 |
| 6.3 (8/2/2022) | 12.7 (8/16/2017) | (6.3 - 12.7)/(39 - 19) | -0.32 |
| 7.9 (11/16/2022) | 12.7 (8/16/2017) | (7.9 - 12.7)/(40 - 19) | -0.228571 |
| 11.3 (2/14/2023) | 12.7 (8/16/2017) | (11.3 - 12.7)/(41 - 19) | -0.0636364 |
| 10.6 (5/25/2023) | 12.7 (8/16/2017) | (10.6 - 12.7)/(42 - 19) | -0.0913043 |
| 13.9 (8/7/2023) | 12.7 (8/16/2017) | (13.9 - 12.7)/(43 - 19) | 0.05 |
| 10.4 (12/12/2023) | 12.7 (8/16/2017) | (10.4 - 12.7)/(44 - 19) | -0.092 |
| 53 (1/10/2024) | 12.7 (8/16/2017) | (53 - 12.7)/(45 - 19) | 1.55 |
| 14.6 (5/21/2024) | 12.7 (8/16/2017) | (14.6 - 12.7)/(46 - 19) | 0.0703704 |
| 7.11 (9/16/2024) | 12.7 (8/16/2017) | (7.11 - 12.7)/(47 - 19) | -0.199643 |
| 19.4 (12/11/2024) | 12.7 (8/16/2017) | (19.4 - 12.7)/(48 - 19) | 0.231034 |
| 20.1 (2/18/2025) | 12.7 (8/16/2017) | (20.1 - 12.7)/(49 - 19) | 0.246667 |
| | | | |
| 19.8 (3/28/2018) | 16.9 (10/25/2017) | (19.8 - 16.9)/(21 - 20) | 2.9 |
| 23.3 (6/29/2018) | 16.9 (10/25/2017) | (23.3 - 16.9)/(22 - 20) | 3.2 |
| 29.5 (8/2/2018) | 16.9 (10/25/2017) | (29.5 - 16.9)/(23 - 20) | 4.2 |
| 31 (12/10/2018) | 16.9 (10/25/2017) | (31 - 16.9)/(24 - 20) | 3.525 |
| 35 (4/15/2019) | 16.9 (10/25/2017) | (35 - 16.9)/(25 - 20) | 3.62 |
| 9.7 (6/12/2019) | 16.9 (10/25/2017) | (9.7 - 16.9)/(26 - 20) | -1.2 |
| 7.1 (8/27/2019) | 16.9 (10/25/2017) | (7.1 - 16.9)/(27 - 20) | -1.4 |
| 11 (10/29/2019) | 16.9 (10/25/2017) | (11 - 16.9)/(28 - 20) | -0.7375 |
| 13.3 (3/30/2020) | 16.9 (10/25/2017) | (13.3 - 16.9)/(29 - 20) | -0.4 |
| 11.4 (6/16/2020) | 16.9 (10/25/2017) | (11.4 - 16.9)/(30 - 20) | -0.55 |
| 9 (9/21/2020) | 16.9 (10/25/2017) | (9 - 16.9)/(31 - 20) | -0.718182 |
| 20.9 (12/17/2020) | 16.9 (10/25/2017) | (20.9 - 16.9)/(32 - 20) | 0.333333 |
| 90.4 (3/18/2021) | 16.9 (10/25/2017) | (90.4 - 16.9)/(33 - 20) | 5.65385 |
| 34 (5/5/2021) | 16.9 (10/25/2017) | (34 - 16.9)/(34 - 20) | 1.22143 |
| 35.8 (9/2/2021) | 16.9 (10/25/2017) | (35.8 - 16.9)/(35 - 20) | 1.26 |
| 12.7 (11/23/2021) | 16.9 (10/25/2017) | (12.7 - 16.9)/(36 - 20) | -0.2625 |
| 17 (1/11/2022) | 16.9 (10/25/2017) | (17 - 16.9)/(37 - 20) | 0.00588235 |
| 140 (4/7/2022) | 16.9 (10/25/2017) | (140 - 16.9)/(38 - 20) | 6.83889 |
| 6.3 (8/2/2022) | 16.9 (10/25/2017) | (6.3 - 16.9)/(39 - 20) | -0.557895 |
| 7.9 (11/16/2022) | 16.9 (10/25/2017) | (7.9 - 16.9)/(40 - 20) | -0.45 |
| 11.3 (2/14/2023) | 16.9 (10/25/2017) | (11.3 - 16.9)/(41 - 20) | -0.266667 |
| 10.6 (5/25/2023) | 16.9 (10/25/2017) | (10.6 - 16.9)/(42 - 20) | -0.286364 |
| 13.9 (8/7/2023) | 16.9 (10/25/2017) | (13.9 - 16.9)/(43 - 20) | -0.130435 |
| 10.4 (12/12/2023) | 16.9 (10/25/2017) | (10.4 - 16.9)/(44 - 20) | -0.270833 |
| 53 (1/10/2024) | 16.9 (10/25/2017) | (53 - 16.9)/(45 - 20) | 1.444 |
| 14.6 (5/21/2024) | 16.9 (10/25/2017) | (14.6 - 16.9)/(46 - 20) | -0.0884615 |
| 7.11 (9/16/2024) | 16.9 (10/25/2017) | (7.11 - 16.9)/(47 - 20) | -0.362593 |
| 19.4 (12/11/2024) | 16.9 (10/25/2017) | (19.4 - 16.9)/(48 - 20) | 0.0892857 |
| 20.1 (2/18/2025) | 16.9 (10/25/2017) | (20.1 - 16.9)/(49 - 20) | 0.110345 |

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|---|---|---|---|
| 23.3 (6/29/2018) | 19.8 (3/28/2018) | (23.3 - 19.8)/(22 - 21) | 3.5 |
| 29.5 (8/2/2018) | 19.8 (3/28/2018) | (29.5 - 19.8)/(23 - 21) | 4.85 |
| 31 (12/10/2018) | 19.8 (3/28/2018) | (31 - 19.8)/(24 - 21) | 3.73333 |
| 35 (4/15/2019) | 19.8 (3/28/2018) | (35 - 19.8)/(25 - 21) | 3.8 |
| 9.7 (6/12/2019) | 19.8 (3/28/2018) | (9.7 - 19.8)/(26 - 21) | -2.02 |
| 7.1 (8/27/2019) | 19.8 (3/28/2018) | (7.1 - 19.8)/(27 - 21) | -2.11667 |
| 11 (10/29/2019) | 19.8 (3/28/2018) | (11 - 19.8)/(28 - 21) | -1.25714 |
| 13.3 (3/30/2020) | 19.8 (3/28/2018) | (13.3 - 19.8)/(29 - 21) | -0.8125 |
| 11.4 (6/16/2020) | 19.8 (3/28/2018) | (11.4 - 19.8)/(30 - 21) | -0.933333 |
| 9 (9/21/2020) | 19.8 (3/28/2018) | (9 - 19.8)/(31 - 21) | -1.08 |
| 20.9 (12/17/2020) | 19.8 (3/28/2018) | (20.9 - 19.8)/(32 - 21) | 0.1 |
| 90.4 (3/18/2021) | 19.8 (3/28/2018) | (90.4 - 19.8)/(33 - 21) | 5.88333 |
| 34 (5/5/2021) | 19.8 (3/28/2018) | (34 - 19.8)/(34 - 21) | 1.09231 |
| 35.8 (9/2/2021) | 19.8 (3/28/2018) | (35.8 - 19.8)/(35 - 21) | 1.14286 |
| 12.7 (11/23/2021) | 19.8 (3/28/2018) | (12.7 - 19.8)/(36 - 21) | -0.473333 |
| 17 (1/11/2022) | 19.8 (3/28/2018) | (17 - 19.8)/(37 - 21) | -0.175 |
| 140 (4/7/2022) | 19.8 (3/28/2018) | (140 - 19.8)/(38 - 21) | 7.07059 |
| 6.3 (8/2/2022) | 19.8 (3/28/2018) | (6.3 - 19.8)/(39 - 21) | -0.75 |
| 7.9 (11/16/2022) | 19.8 (3/28/2018) | (7.9 - 19.8)/(40 - 21) | -0.626316 |
| 11.3 (2/14/2023) | 19.8 (3/28/2018) | (11.3 - 19.8)/(41 - 21) | -0.425 |
| 10.6 (5/25/2023) | 19.8 (3/28/2018) | (10.6 - 19.8)/(42 - 21) | -0.438095 |
| 13.9 (8/7/2023) | 19.8 (3/28/2018) | (13.9 - 19.8)/(43 - 21) | -0.268182 |
| 10.4 (12/12/2023) | 19.8 (3/28/2018) | (10.4 - 19.8)/(44 - 21) | -0.408696 |
| 53 (1/10/2024) | 19.8 (3/28/2018) | (53 - 19.8)/(45 - 21) | 1.38333 |
| 14.6 (5/21/2024) | 19.8 (3/28/2018) | (14.6 - 19.8)/(46 - 21) | -0.208 |
| 7.11 (9/16/2024) | 19.8 (3/28/2018) | (7.11 - 19.8)/(47 - 21) | -0.488077 |
| 19.4 (12/11/2024) | 19.8 (3/28/2018) | (19.4 - 19.8)/(48 - 21) | -0.0148148 |
| 20.1 (2/18/2025) | 19.8 (3/28/2018) | (20.1 - 19.8)/(49 - 21) | 0.0107143 |
| | | | |
| 29.5 (8/2/2018) | 23.3 (6/29/2018) | (29.5 - 23.3)/(23 - 22) | 6.2 |
| 31 (12/10/2018) | 23.3 (6/29/2018) | (31 - 23.3)/(24 - 22) | 3.85 |
| 35 (4/15/2019) | 23.3 (6/29/2018) | (35 - 23.3)/(25 - 22) | 3.9 |
| 9.7 (6/12/2019) | 23.3 (6/29/2018) | (9.7 - 23.3)/(26 - 22) | -3.4 |
| 7.1 (8/27/2019) | 23.3 (6/29/2018) | (7.1 - 23.3)/(27 - 22) | -3.24 |
| 11 (10/29/2019) | 23.3 (6/29/2018) | (11 - 23.3)/(28 - 22) | -2.05 |
| 13.3 (3/30/2020) | 23.3 (6/29/2018) | (13.3 - 23.3)/(29 - 22) | -1.42857 |
| 11.4 (6/16/2020) | 23.3 (6/29/2018) | (11.4 - 23.3)/(30 - 22) | -1.4875 |
| 9 (9/21/2020) | 23.3 (6/29/2018) | (9 - 23.3)/(31 - 22) | -1.58889 |
| 20.9 (12/17/2020) | 23.3 (6/29/2018) | (20.9 - 23.3)/(32 - 22) | -0.24 |
| 90.4 (3/18/2021) | 23.3 (6/29/2018) | (90.4 - 23.3)/(33 - 22) | 6.1 |
| 34 (5/5/2021) | 23.3 (6/29/2018) | (34 - 23.3)/(34 - 22) | 0.891667 |
| 35.8 (9/2/2021) | 23.3 (6/29/2018) | (35.8 - 23.3)/(35 - 22) | 0.961538 |
| 12.7 (11/23/2021) | 23.3 (6/29/2018) | (12.7 - 23.3)/(36 - 22) | -0.757143 |
| 17 (1/11/2022) | 23.3 (6/29/2018) | (17 - 23.3)/(37 - 22) | -0.42 |
| 140 (4/7/2022) | 23.3 (6/29/2018) | (140 - 23.3)/(38 - 22) | 7.29375 |
| 6.3 (8/2/2022) | 23.3 (6/29/2018) | (6.3 - 23.3)/(39 - 22) | -1 |
| 7.9 (11/16/2022) | 23.3 (6/29/2018) | (7.9 - 23.3)/(40 - 22) | -0.855556 |
| 11.3 (2/14/2023) | 23.3 (6/29/2018) | (11.3 - 23.3)/(41 - 22) | -0.631579 |
| 10.6 (5/25/2023) | 23.3 (6/29/2018) | (10.6 - 23.3)/(42 - 22) | -0.635 |
| 13.9 (8/7/2023) | 23.3 (6/29/2018) | (13.9 - 23.3)/(43 - 22) | -0.447619 |
| 10.4 (12/12/2023) | 23.3 (6/29/2018) | (10.4 - 23.3)/(44 - 22) | -0.586364 |
| 53 (1/10/2024) | 23.3 (6/29/2018) | (53 - 23.3)/(45 - 22) | 1.2913 |
| 14.6 (5/21/2024) | 23.3 (6/29/2018) | (14.6 - 23.3)/(46 - 22) | -0.3625 |
| 7.11 (9/16/2024) | 23.3 (6/29/2018) | (7.11 - 23.3)/(47 - 22) | -0.6476 |
| 19.4 (12/11/2024) | 23.3 (6/29/2018) | (19.4 - 23.3)/(48 - 22) | -0.15 |
| 20.1 (2/18/2025) | 23.3 (6/29/2018) | (20.1 - 23.3)/(49 - 22) | -0.118519 |

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|---|---|---|---|
| 31 (12/10/2018) | 29.5 (8/2/2018) | (31 - 29.5)/(24 - 23) | 1.5 |
| 35 (4/15/2019) | 29.5 (8/2/2018) | (35 - 29.5)/(25 - 23) | 2.75 |
| 9.7 (6/12/2019) | 29.5 (8/2/2018) | (9.7 - 29.5)/(26 - 23) | -6.6 |
| 7.1 (8/27/2019) | 29.5 (8/2/2018) | (7.1 - 29.5)/(27 - 23) | -5.6 |
| 11 (10/29/2019) | 29.5 (8/2/2018) | (11 - 29.5)/(28 - 23) | -3.7 |
| 13.3 (3/30/2020) | 29.5 (8/2/2018) | (13.3 - 29.5)/(29 - 23) | -2.7 |
| 11.4 (6/16/2020) | 29.5 (8/2/2018) | (11.4 - 29.5)/(30 - 23) | -2.58571 |
| 9 (9/21/2020) | 29.5 (8/2/2018) | (9 - 29.5)/(31 - 23) | -2.5625 |
| 20.9 (12/17/2020) | 29.5 (8/2/2018) | (20.9 - 29.5)/(32 - 23) | -0.955556 |
| 90.4 (3/18/2021) | 29.5 (8/2/2018) | (90.4 - 29.5)/(33 - 23) | 6.09 |
| 34 (5/5/2021) | 29.5 (8/2/2018) | (34 - 29.5)/(34 - 23) | 0.409091 |
| 35.8 (9/2/2021) | 29.5 (8/2/2018) | (35.8 - 29.5)/(35 - 23) | 0.525 |
| 12.7 (11/23/2021) | 29.5 (8/2/2018) | (12.7 - 29.5)/(36 - 23) | -1.29231 |
| 17 (1/11/2022) | 29.5 (8/2/2018) | (17 - 29.5)/(37 - 23) | -0.892857 |
| 140 (4/7/2022) | 29.5 (8/2/2018) | (140 - 29.5)/(38 - 23) | 7.36667 |
| 6.3 (8/2/2022) | 29.5 (8/2/2018) | (6.3 - 29.5)/(39 - 23) | -1.45 |
| 7.9 (11/16/2022) | 29.5 (8/2/2018) | (7.9 - 29.5)/(40 - 23) | -1.27059 |
| 11.3 (2/14/2023) | 29.5 (8/2/2018) | (11.3 - 29.5)/(41 - 23) | -1.01111 |
| 10.6 (5/25/2023) | 29.5 (8/2/2018) | (10.6 - 29.5)/(42 - 23) | -0.994737 |
| 13.9 (8/7/2023) | 29.5 (8/2/2018) | (13.9 - 29.5)/(43 - 23) | -0.78 |
| 10.4 (12/12/2023) | 29.5 (8/2/2018) | (10.4 - 29.5)/(44 - 23) | -0.909524 |
| 53 (1/10/2024) | 29.5 (8/2/2018) | (53 - 29.5)/(45 - 23) | 1.06818 |
| 14.6 (5/21/2024) | 29.5 (8/2/2018) | (14.6 - 29.5)/(46 - 23) | -0.647826 |
| 7.11 (9/16/2024) | 29.5 (8/2/2018) | (7.11 - 29.5)/(47 - 23) | -0.932917 |
| 19.4 (12/11/2024) | 29.5 (8/2/2018) | (19.4 - 29.5)/(48 - 23) | -0.404 |
| 20.1 (2/18/2025) | 29.5 (8/2/2018) | (20.1 - 29.5)/(49 - 23) | -0.361538 |
| | | | |
| 35 (4/15/2019) | 31 (12/10/2018) | (35 - 31)/(25 - 24) | 4 |
| 9.7 (6/12/2019) | 31 (12/10/2018) | (9.7 - 31)/(26 - 24) | -10.65 |
| 7.1 (8/27/2019) | 31 (12/10/2018) | (7.1 - 31)/(27 - 24) | -7.96667 |
| 11 (10/29/2019) | 31 (12/10/2018) | (11 - 31)/(28 - 24) | -5 |
| 13.3 (3/30/2020) | 31 (12/10/2018) | (13.3 - 31)/(29 - 24) | -3.54 |
| 11.4 (6/16/2020) | 31 (12/10/2018) | (11.4 - 31)/(30 - 24) | -3.26667 |
| 9 (9/21/2020) | 31 (12/10/2018) | (9 - 31)/(31 - 24) | -3.14286 |
| 20.9 (12/17/2020) | 31 (12/10/2018) | (20.9 - 31)/(32 - 24) | -1.2625 |
| 90.4 (3/18/2021) | 31 (12/10/2018) | (90.4 - 31)/(33 - 24) | 6.6 |
| 34 (5/5/2021) | 31 (12/10/2018) | (34 - 31)/(34 - 24) | 0.3 |
| 35.8 (9/2/2021) | 31 (12/10/2018) | (35.8 - 31)/(35 - 24) | 0.436364 |
| 12.7 (11/23/2021) | 31 (12/10/2018) | (12.7 - 31)/(36 - 24) | -1.525 |
| 17 (1/11/2022) | 31 (12/10/2018) | (17 - 31)/(37 - 24) | -1.07692 |
| 140 (4/7/2022) | 31 (12/10/2018) | (140 - 31)/(38 - 24) | 7.78571 |
| 6.3 (8/2/2022) | 31 (12/10/2018) | (6.3 - 31)/(39 - 24) | -1.64667 |
| 7.9 (11/16/2022) | 31 (12/10/2018) | (7.9 - 31)/(40 - 24) | -1.44375 |
| 11.3 (2/14/2023) | 31 (12/10/2018) | (11.3 - 31)/(41 - 24) | -1.15882 |
| 10.6 (5/25/2023) | 31 (12/10/2018) | (10.6 - 31)/(42 - 24) | -1.13333 |
| 13.9 (8/7/2023) | 31 (12/10/2018) | (13.9 - 31)/(43 - 24) | -0.9 |
| 10.4 (12/12/2023) | 31 (12/10/2018) | (10.4 - 31)/(44 - 24) | -1.03 |
| 53 (1/10/2024) | 31 (12/10/2018) | (53 - 31)/(45 - 24) | 1.04762 |
| 14.6 (5/21/2024) | 31 (12/10/2018) | (14.6 - 31)/(46 - 24) | -0.745455 |
| 7.11 (9/16/2024) | 31 (12/10/2018) | (7.11 - 31)/(47 - 24) | -1.0387 |
| 19.4 (12/11/2024) | 31 (12/10/2018) | (19.4 - 31)/(48 - 24) | -0.483333 |
| 20.1 (2/18/2025) | 31 (12/10/2018) | (20.1 - 31)/(49 - 24) | -0.436 |
| | | | |
| 9.7 (6/12/2019) | 35 (4/15/2019) | (9.7 - 35)/(26 - 25) | -25.3 |
| 7.1 (8/27/2019) | 35 (4/15/2019) | (7.1 - 35)/(27 - 25) | -13.95 |
| 11 (10/29/2019) | 35 (4/15/2019) | (11 - 35)/(28 - 25) | -8 |

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| 13.3 (3/30/2020) | 35 (4/15/2019) | (13.3 - 35)/(29 - 25) | -5.425 |
| 11.4 (6/16/2020) | 35 (4/15/2019) | (11.4 - 35)/(30 - 25) | -4.72 |
| 9 (9/21/2020) | 35 (4/15/2019) | (9 - 35)/(31 - 25) | -4.33333 |
| 20.9 (12/17/2020) | 35 (4/15/2019) | (20.9 - 35)/(32 - 25) | -2.01429 |
| 90.4 (3/18/2021) | 35 (4/15/2019) | (90.4 - 35)/(33 - 25) | 6.925 |
| 34 (5/5/2021) | 35 (4/15/2019) | (34 - 35)/(34 - 25) | -0.111111 |
| 35.8 (9/2/2021) | 35 (4/15/2019) | (35.8 - 35)/(35 - 25) | 0.08 |
| 12.7 (11/23/2021) | 35 (4/15/2019) | (12.7 - 35)/(36 - 25) | -2.02727 |
| 17 (1/11/2022) | 35 (4/15/2019) | (17 - 35)/(37 - 25) | -1.5 |
| 140 (4/7/2022) | 35 (4/15/2019) | (140 - 35)/(38 - 25) | 8.07692 |
| 6.3 (8/2/2022) | 35 (4/15/2019) | (6.3 - 35)/(39 - 25) | -2.05 |
| 7.9 (11/16/2022) | 35 (4/15/2019) | (7.9 - 35)/(40 - 25) | -1.80667 |
| 11.3 (2/14/2023) | 35 (4/15/2019) | (11.3 - 35)/(41 - 25) | -1.48125 |
| 10.6 (5/25/2023) | 35 (4/15/2019) | (10.6 - 35)/(42 - 25) | -1.43529 |
| 13.9 (8/7/2023) | 35 (4/15/2019) | (13.9 - 35)/(43 - 25) | -1.17222 |
| 10.4 (12/12/2023) | 35 (4/15/2019) | (10.4 - 35)/(44 - 25) | -1.29474 |
| 53 (1/10/2024) | 35 (4/15/2019) | (53 - 35)/(45 - 25) | 0.9 |
| 14.6 (5/21/2024) | 35 (4/15/2019) | (14.6 - 35)/(46 - 25) | -0.971429 |
| 7.11 (9/16/2024) | 35 (4/15/2019) | (7.11 - 35)/(47 - 25) | -1.26773 |
| 19.4 (12/11/2024) | 35 (4/15/2019) | (19.4 - 35)/(48 - 25) | -0.678261 |
| 20.1 (2/18/2025) | 35 (4/15/2019) | (20.1 - 35)/(49 - 25) | -0.620833 |
| | | | |
| 7.1 (8/27/2019) | 9.7 (6/12/2019) | (7.1 - 9.7)/(27 - 26) | -2.6 |
| 11 (10/29/2019) | 9.7 (6/12/2019) | (11 - 9.7)/(28 - 26) | 0.65 |
| 13.3 (3/30/2020) | 9.7 (6/12/2019) | (13.3 - 9.7)/(29 - 26) | 1.2 |
| 11.4 (6/16/2020) | 9.7 (6/12/2019) | (11.4 - 9.7)/(30 - 26) | 0.425 |
| 9 (9/21/2020) | 9.7 (6/12/2019) | (9 - 9.7)/(31 - 26) | -0.14 |
| 20.9 (12/17/2020) | 9.7 (6/12/2019) | (20.9 - 9.7)/(32 - 26) | 1.86667 |
| 90.4 (3/18/2021) | 9.7 (6/12/2019) | (90.4 - 9.7)/(33 - 26) | 11.5286 |
| 34 (5/5/2021) | 9.7 (6/12/2019) | (34 - 9.7)/(34 - 26) | 3.0375 |
| 35.8 (9/2/2021) | 9.7 (6/12/2019) | (35.8 - 9.7)/(35 - 26) | 2.9 |
| 12.7 (11/23/2021) | 9.7 (6/12/2019) | (12.7 - 9.7)/(36 - 26) | 0.3 |
| 17 (1/11/2022) | 9.7 (6/12/2019) | (17 - 9.7)/(37 - 26) | 0.663636 |
| 140 (4/7/2022) | 9.7 (6/12/2019) | (140 - 9.7)/(38 - 26) | 10.8583 |
| 6.3 (8/2/2022) | 9.7 (6/12/2019) | (6.3 - 9.7)/(39 - 26) | -0.261538 |
| 7.9 (11/16/2022) | 9.7 (6/12/2019) | (7.9 - 9.7)/(40 - 26) | -0.128571 |
| 11.3 (2/14/2023) | 9.7 (6/12/2019) | (11.3 - 9.7)/(41 - 26) | 0.106667 |
| 10.6 (5/25/2023) | 9.7 (6/12/2019) | (10.6 - 9.7)/(42 - 26) | 0.05625 |
| 13.9 (8/7/2023) | 9.7 (6/12/2019) | (13.9 - 9.7)/(43 - 26) | 0.247059 |
| 10.4 (12/12/2023) | 9.7 (6/12/2019) | (10.4 - 9.7)/(44 - 26) | 0.0388889 |
| 53 (1/10/2024) | 9.7 (6/12/2019) | (53 - 9.7)/(45 - 26) | 2.27895 |
| 14.6 (5/21/2024) | 9.7 (6/12/2019) | (14.6 - 9.7)/(46 - 26) | 0.245 |
| 7.11 (9/16/2024) | 9.7 (6/12/2019) | (7.11 - 9.7)/(47 - 26) | -0.123333 |
| 19.4 (12/11/2024) | 9.7 (6/12/2019) | (19.4 - 9.7)/(48 - 26) | 0.440909 |
| 20.1 (2/18/2025) | 9.7 (6/12/2019) | (20.1 - 9.7)/(49 - 26) | 0.452174 |
| | | | |
| 11 (10/29/2019) | 7.1 (8/27/2019) | (11 - 7.1)/(28 - 27) | 3.9 |
| 13.3 (3/30/2020) | 7.1 (8/27/2019) | (13.3 - 7.1)/(29 - 27) | 3.1 |
| 11.4 (6/16/2020) | 7.1 (8/27/2019) | (11.4 - 7.1)/(30 - 27) | 1.43333 |
| 9 (9/21/2020) | 7.1 (8/27/2019) | (9 - 7.1)/(31 - 27) | 0.475 |
| 20.9 (12/17/2020) | 7.1 (8/27/2019) | (20.9 - 7.1)/(32 - 27) | 2.76 |
| 90.4 (3/18/2021) | 7.1 (8/27/2019) | (90.4 - 7.1)/(33 - 27) | 13.8833 |
| 34 (5/5/2021) | 7.1 (8/27/2019) | (34 - 7.1)/(34 - 27) | 3.84286 |
| 35.8 (9/2/2021) | 7.1 (8/27/2019) | (35.8 - 7.1)/(35 - 27) | 3.5875 |
| 12.7 (11/23/2021) | 7.1 (8/27/2019) | (12.7 - 7.1)/(36 - 27) | 0.622222 |
| 17 (1/11/2022) | 7.1 (8/27/2019) | (17 - 7.1)/(37 - 27) | 0.99 |
| 140 (4/7/2022) | 7.1 (8/27/2019) | (140 - 7.1)/(38 - 27) | 12.0818 |

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|---|---|---|---|
| 6.3 (8/2/2022) | 7.1 (8/27/2019) | (6.3 - 7.1)/(39 - 27) | -0.0666667 |
| 7.9 (11/16/2022) | 7.1 (8/27/2019) | (7.9 - 7.1)/(40 - 27) | 0.0615385 |
| 11.3 (2/14/2023) | 7.1 (8/27/2019) | (11.3 - 7.1)/(41 - 27) | 0.3 |
| 10.6 (5/25/2023) | 7.1 (8/27/2019) | (10.6 - 7.1)/(42 - 27) | 0.233333 |
| 13.9 (8/7/2023) | 7.1 (8/27/2019) | (13.9 - 7.1)/(43 - 27) | 0.425 |
| 10.4 (12/12/2023) | 7.1 (8/27/2019) | (10.4 - 7.1)/(44 - 27) | 0.194118 |
| 53 (1/10/2024) | 7.1 (8/27/2019) | (53 - 7.1)/(45 - 27) | 2.55 |
| 14.6 (5/21/2024) | 7.1 (8/27/2019) | (14.6 - 7.1)/(46 - 27) | 0.394737 |
| 7.11 (9/16/2024) | 7.1 (8/27/2019) | (7.11 - 7.1)/(47 - 27) | 0.0005 |
| 19.4 (12/11/2024) | 7.1 (8/27/2019) | (19.4 - 7.1)/(48 - 27) | 0.585714 |
| 20.1 (2/18/2025) | 7.1 (8/27/2019) | (20.1 - 7.1)/(49 - 27) | 0.590909 |
| | | | |
| 13.3 (3/30/2020) | 11 (10/29/2019) | (13.3 - 11)/(29 - 28) | 2.3 |
| 11.4 (6/16/2020) | 11 (10/29/2019) | (11.4 - 11)/(30 - 28) | 0.2 |
| 9 (9/21/2020) | 11 (10/29/2019) | (9 - 11)/(31 - 28) | -0.666667 |
| 20.9 (12/17/2020) | 11 (10/29/2019) | (20.9 - 11)/(32 - 28) | 2.475 |
| 90.4 (3/18/2021) | 11 (10/29/2019) | (90.4 - 11)/(33 - 28) | 15.88 |
| 34 (5/5/2021) | 11 (10/29/2019) | (34 - 11)/(34 - 28) | 3.83333 |
| 35.8 (9/2/2021) | 11 (10/29/2019) | (35.8 - 11)/(35 - 28) | 3.54286 |
| 12.7 (11/23/2021) | 11 (10/29/2019) | (12.7 - 11)/(36 - 28) | 0.2125 |
| 17 (1/11/2022) | 11 (10/29/2019) | (17 - 11)/(37 - 28) | 0.666667 |
| 140 (4/7/2022) | 11 (10/29/2019) | (140 - 11)/(38 - 28) | 12.9 |
| 6.3 (8/2/2022) | 11 (10/29/2019) | (6.3 - 11)/(39 - 28) | -0.427273 |
| 7.9 (11/16/2022) | 11 (10/29/2019) | (7.9 - 11)/(40 - 28) | -0.258333 |
| 11.3 (2/14/2023) | 11 (10/29/2019) | (11.3 - 11)/(41 - 28) | 0.0230769 |
| 10.6 (5/25/2023) | 11 (10/29/2019) | (10.6 - 11)/(42 - 28) | -0.0285714 |
| 13.9 (8/7/2023) | 11 (10/29/2019) | (13.9 - 11)/(43 - 28) | 0.193333 |
| 10.4 (12/12/2023) | 11 (10/29/2019) | (10.4 - 11)/(44 - 28) | -0.0375 |
| 53 (1/10/2024) | 11 (10/29/2019) | (53 - 11)/(45 - 28) | 2.47059 |
| 14.6 (5/21/2024) | 11 (10/29/2019) | (14.6 - 11)/(46 - 28) | 0.2 |
| 7.11 (9/16/2024) | 11 (10/29/2019) | (7.11 - 11)/(47 - 28) | -0.204737 |
| 19.4 (12/11/2024) | 11 (10/29/2019) | (19.4 - 11)/(48 - 28) | 0.42 |
| 20.1 (2/18/2025) | 11 (10/29/2019) | (20.1 - 11)/(49 - 28) | 0.433333 |
| | | | |
| 11.4 (6/16/2020) | 13.3 (3/30/2020) | (11.4 - 13.3)/(30 - 29) | -1.9 |
| 9 (9/21/2020) | 13.3 (3/30/2020) | (9 - 13.3)/(31 - 29) | -2.15 |
| 20.9 (12/17/2020) | 13.3 (3/30/2020) | (20.9 - 13.3)/(32 - 29) | 2.53333 |
| 90.4 (3/18/2021) | 13.3 (3/30/2020) | (90.4 - 13.3)/(33 - 29) | 19.275 |
| 34 (5/5/2021) | 13.3 (3/30/2020) | (34 - 13.3)/(34 - 29) | 4.14 |
| 35.8 (9/2/2021) | 13.3 (3/30/2020) | (35.8 - 13.3)/(35 - 29) | 3.75 |
| 12.7 (11/23/2021) | 13.3 (3/30/2020) | (12.7 - 13.3)/(36 - 29) | -0.0857143 |
| 17 (1/11/2022) | 13.3 (3/30/2020) | (17 - 13.3)/(37 - 29) | 0.4625 |
| 140 (4/7/2022) | 13.3 (3/30/2020) | (140 - 13.3)/(38 - 29) | 14.0778 |
| 6.3 (8/2/2022) | 13.3 (3/30/2020) | (6.3 - 13.3)/(39 - 29) | -0.7 |
| 7.9 (11/16/2022) | 13.3 (3/30/2020) | (7.9 - 13.3)/(40 - 29) | -0.490909 |
| 11.3 (2/14/2023) | 13.3 (3/30/2020) | (11.3 - 13.3)/(41 - 29) | -0.166667 |
| 10.6 (5/25/2023) | 13.3 (3/30/2020) | (10.6 - 13.3)/(42 - 29) | -0.207692 |
| 13.9 (8/7/2023) | 13.3 (3/30/2020) | (13.9 - 13.3)/(43 - 29) | 0.0428571 |
| 10.4 (12/12/2023) | 13.3 (3/30/2020) | (10.4 - 13.3)/(44 - 29) | -0.193333 |
| 53 (1/10/2024) | 13.3 (3/30/2020) | (53 - 13.3)/(45 - 29) | 2.48125 |
| 14.6 (5/21/2024) | 13.3 (3/30/2020) | (14.6 - 13.3)/(46 - 29) | 0.0764706 |
| 7.11 (9/16/2024) | 13.3 (3/30/2020) | (7.11 - 13.3)/(47 - 29) | -0.343889 |
| 19.4 (12/11/2024) | 13.3 (3/30/2020) | (19.4 - 13.3)/(48 - 29) | 0.321053 |
| 20.1 (2/18/2025) | 13.3 (3/30/2020) | (20.1 - 13.3)/(49 - 29) | 0.34 |
| | | | |
| 9 (9/21/2020) | 11.4 (6/16/2020) | (9 - 11.4)/(31 - 30) | -2.4 |
| 20.9 (12/17/2020) | 11.4 (6/16/2020) | (20.9 - 11.4)/(32 - 30) | 4.75 |

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|---|---|---|---|
| 90.4 (3/18/2021) | 11.4 (6/16/2020) | (90.4 - 11.4)/(33 - 30) | 26.3333 |
| 34 (5/5/2021) | 11.4 (6/16/2020) | (34 - 11.4)/(34 - 30) | 5.65 |
| 35.8 (9/2/2021) | 11.4 (6/16/2020) | (35.8 - 11.4)/(35 - 30) | 4.88 |
| 12.7 (11/23/2021) | 11.4 (6/16/2020) | (12.7 - 11.4)/(36 - 30) | 0.216667 |
| 17 (1/11/2022) | 11.4 (6/16/2020) | (17 - 11.4)/(37 - 30) | 0.8 |
| 140 (4/7/2022) | 11.4 (6/16/2020) | (140 - 11.4)/(38 - 30) | 16.075 |
| 6.3 (8/2/2022) | 11.4 (6/16/2020) | (6.3 - 11.4)/(39 - 30) | -0.566667 |
| 7.9 (11/16/2022) | 11.4 (6/16/2020) | (7.9 - 11.4)/(40 - 30) | -0.35 |
| 11.3 (2/14/2023) | 11.4 (6/16/2020) | (11.3 - 11.4)/(41 - 30) | -0.00909091 |
| 10.6 (5/25/2023) | 11.4 (6/16/2020) | (10.6 - 11.4)/(42 - 30) | -0.0666667 |
| 13.9 (8/7/2023) | 11.4 (6/16/2020) | (13.9 - 11.4)/(43 - 30) | 0.192308 |
| 10.4 (12/12/2023) | 11.4 (6/16/2020) | (10.4 - 11.4)/(44 - 30) | -0.0714286 |
| 53 (1/10/2024) | 11.4 (6/16/2020) | (53 - 11.4)/(45 - 30) | 2.77333 |
| 14.6 (5/21/2024) | 11.4 (6/16/2020) | (14.6 - 11.4)/(46 - 30) | 0.2 |
| 7.11 (9/16/2024) | 11.4 (6/16/2020) | (7.11 - 11.4)/(47 - 30) | -0.252353 |
| 19.4 (12/11/2024) | 11.4 (6/16/2020) | (19.4 - 11.4)/(48 - 30) | 0.444444 |
| 20.1 (2/18/2025) | 11.4 (6/16/2020) | (20.1 - 11.4)/(49 - 30) | 0.457895 |
| | | | |
| 20.9 (12/17/2020) | 9 (9/21/2020) | (20.9 - 9)/(32 - 31) | 11.9 |
| 90.4 (3/18/2021) | 9 (9/21/2020) | (90.4 - 9)/(33 - 31) | 40.7 |
| 34 (5/5/2021) | 9 (9/21/2020) | (34 - 9)/(34 - 31) | 8.33333 |
| 35.8 (9/2/2021) | 9 (9/21/2020) | (35.8 - 9)/(35 - 31) | 6.7 |
| 12.7 (11/23/2021) | 9 (9/21/2020) | (12.7 - 9)/(36 - 31) | 0.74 |
| 17 (1/11/2022) | 9 (9/21/2020) | (17 - 9)/(37 - 31) | 1.33333 |
| 140 (4/7/2022) | 9 (9/21/2020) | (140 - 9)/(38 - 31) | 18.7143 |
| 6.3 (8/2/2022) | 9 (9/21/2020) | (6.3 - 9)/(39 - 31) | -0.3375 |
| 7.9 (11/16/2022) | 9 (9/21/2020) | (7.9 - 9)/(40 - 31) | -0.122222 |
| 11.3 (2/14/2023) | 9 (9/21/2020) | (11.3 - 9)/(41 - 31) | 0.23 |
| 10.6 (5/25/2023) | 9 (9/21/2020) | (10.6 - 9)/(42 - 31) | 0.145455 |
| 13.9 (8/7/2023) | 9 (9/21/2020) | (13.9 - 9)/(43 - 31) | 0.408333 |
| 10.4 (12/12/2023) | 9 (9/21/2020) | (10.4 - 9)/(44 - 31) | 0.107692 |
| 53 (1/10/2024) | 9 (9/21/2020) | (53 - 9)/(45 - 31) | 3.14286 |
| 14.6 (5/21/2024) | 9 (9/21/2020) | (14.6 - 9)/(46 - 31) | 0.373333 |
| 7.11 (9/16/2024) | 9 (9/21/2020) | (7.11 - 9)/(47 - 31) | -0.118125 |
| 19.4 (12/11/2024) | 9 (9/21/2020) | (19.4 - 9)/(48 - 31) | 0.611765 |
| 20.1 (2/18/2025) | 9 (9/21/2020) | (20.1 - 9)/(49 - 31) | 0.616667 |
| | | | |
| 90.4 (3/18/2021) | 20.9 (12/17/2020) | (90.4 - 20.9)/(33 - 32) | 69.5 |
| 34 (5/5/2021) | 20.9 (12/17/2020) | (34 - 20.9)/(34 - 32) | 6.55 |
| 35.8 (9/2/2021) | 20.9 (12/17/2020) | (35.8 - 20.9)/(35 - 32) | 4.96667 |
| 12.7 (11/23/2021) | 20.9 (12/17/2020) | (12.7 - 20.9)/(36 - 32) | -2.05 |
| 17 (1/11/2022) | 20.9 (12/17/2020) | (17 - 20.9)/(37 - 32) | -0.78 |
| 140 (4/7/2022) | 20.9 (12/17/2020) | (140 - 20.9)/(38 - 32) | 19.85 |
| 6.3 (8/2/2022) | 20.9 (12/17/2020) | (6.3 - 20.9)/(39 - 32) | -2.08571 |
| 7.9 (11/16/2022) | 20.9 (12/17/2020) | (7.9 - 20.9)/(40 - 32) | -1.625 |
| 11.3 (2/14/2023) | 20.9 (12/17/2020) | (11.3 - 20.9)/(41 - 32) | -1.06667 |
| 10.6 (5/25/2023) | 20.9 (12/17/2020) | (10.6 - 20.9)/(42 - 32) | -1.03 |
| 13.9 (8/7/2023) | 20.9 (12/17/2020) | (13.9 - 20.9)/(43 - 32) | -0.636364 |
| 10.4 (12/12/2023) | 20.9 (12/17/2020) | (10.4 - 20.9)/(44 - 32) | -0.875 |
| 53 (1/10/2024) | 20.9 (12/17/2020) | (53 - 20.9)/(45 - 32) | 2.46923 |
| 14.6 (5/21/2024) | 20.9 (12/17/2020) | (14.6 - 20.9)/(46 - 32) | -0.45 |
| 7.11 (9/16/2024) | 20.9 (12/17/2020) | (7.11 - 20.9)/(47 - 32) | -0.919333 |
| 19.4 (12/11/2024) | 20.9 (12/17/2020) | (19.4 - 20.9)/(48 - 32) | -0.09375 |
| 20.1 (2/18/2025) | 20.9 (12/17/2020) | (20.1 - 20.9)/(49 - 32) | -0.0470588 |
| | | | |
| 34 (5/5/2021) | 90.4 (3/18/2021) | (34 - 90.4)/(34 - 33) | -56.4 |
| 35.8 (9/2/2021) | 90.4 (3/18/2021) | (35.8 - 90.4)/(35 - 33) | -27.3 |

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| 12.7 (11/23/2021) | 90.4 (3/18/2021) | (12.7 - 90.4)/(36 - 33) | -25.9 |
| 17 (1/11/2022) | 90.4 (3/18/2021) | (17 - 90.4)/(37 - 33) | -18.35 |
| 140 (4/7/2022) | 90.4 (3/18/2021) | (140 - 90.4)/(38 - 33) | 9.92 |
| 6.3 (8/2/2022) | 90.4 (3/18/2021) | (6.3 - 90.4)/(39 - 33) | -14.0167 |
| 7.9 (11/16/2022) | 90.4 (3/18/2021) | (7.9 - 90.4)/(40 - 33) | -11.7857 |
| 11.3 (2/14/2023) | 90.4 (3/18/2021) | (11.3 - 90.4)/(41 - 33) | -9.8875 |
| 10.6 (5/25/2023) | 90.4 (3/18/2021) | (10.6 - 90.4)/(42 - 33) | -8.86667 |
| 13.9 (8/7/2023) | 90.4 (3/18/2021) | (13.9 - 90.4)/(43 - 33) | -7.65 |
| 10.4 (12/12/2023) | 90.4 (3/18/2021) | (10.4 - 90.4)/(44 - 33) | -7.27273 |
| 53 (1/10/2024) | 90.4 (3/18/2021) | (53 - 90.4)/(45 - 33) | -3.11667 |
| 14.6 (5/21/2024) | 90.4 (3/18/2021) | (14.6 - 90.4)/(46 - 33) | -5.83077 |
| 7.11 (9/16/2024) | 90.4 (3/18/2021) | (7.11 - 90.4)/(47 - 33) | -5.94929 |
| 19.4 (12/11/2024) | 90.4 (3/18/2021) | (19.4 - 90.4)/(48 - 33) | -4.73333 |
| 20.1 (2/18/2025) | 90.4 (3/18/2021) | (20.1 - 90.4)/(49 - 33) | -4.39375 |
| | | | |
| 35.8 (9/2/2021) | 34 (5/5/2021) | (35.8 - 34)/(35 - 34) | 1.8 |
| 12.7 (11/23/2021) | 34 (5/5/2021) | (12.7 - 34)/(36 - 34) | -10.65 |
| 17 (1/11/2022) | 34 (5/5/2021) | (17 - 34)/(37 - 34) | -5.66667 |
| 140 (4/7/2022) | 34 (5/5/2021) | (140 - 34)/(38 - 34) | 26.5 |
| 6.3 (8/2/2022) | 34 (5/5/2021) | (6.3 - 34)/(39 - 34) | -5.54 |
| 7.9 (11/16/2022) | 34 (5/5/2021) | (7.9 - 34)/(40 - 34) | -4.35 |
| 11.3 (2/14/2023) | 34 (5/5/2021) | (11.3 - 34)/(41 - 34) | -3.24286 |
| 10.6 (5/25/2023) | 34 (5/5/2021) | (10.6 - 34)/(42 - 34) | -2.925 |
| 13.9 (8/7/2023) | 34 (5/5/2021) | (13.9 - 34)/(43 - 34) | -2.23333 |
| 10.4 (12/12/2023) | 34 (5/5/2021) | (10.4 - 34)/(44 - 34) | -2.36 |
| 53 (1/10/2024) | 34 (5/5/2021) | (53 - 34)/(45 - 34) | 1.72727 |
| 14.6 (5/21/2024) | 34 (5/5/2021) | (14.6 - 34)/(46 - 34) | -1.61667 |
| 7.11 (9/16/2024) | 34 (5/5/2021) | (7.11 - 34)/(47 - 34) | -2.06846 |
| 19.4 (12/11/2024) | 34 (5/5/2021) | (19.4 - 34)/(48 - 34) | -1.04286 |
| 20.1 (2/18/2025) | 34 (5/5/2021) | (20.1 - 34)/(49 - 34) | -0.926667 |
| | | | |
| 12.7 (11/23/2021) | 35.8 (9/2/2021) | (12.7 - 35.8)/(36 - 35) | -23.1 |
| 17 (1/11/2022) | 35.8 (9/2/2021) | (17 - 35.8)/(37 - 35) | -9.4 |
| 140 (4/7/2022) | 35.8 (9/2/2021) | (140 - 35.8)/(38 - 35) | 34.7333 |
| 6.3 (8/2/2022) | 35.8 (9/2/2021) | (6.3 - 35.8)/(39 - 35) | -7.375 |
| 7.9 (11/16/2022) | 35.8 (9/2/2021) | (7.9 - 35.8)/(40 - 35) | -5.58 |
| 11.3 (2/14/2023) | 35.8 (9/2/2021) | (11.3 - 35.8)/(41 - 35) | -4.08333 |
| 10.6 (5/25/2023) | 35.8 (9/2/2021) | (10.6 - 35.8)/(42 - 35) | -3.6 |
| 13.9 (8/7/2023) | 35.8 (9/2/2021) | (13.9 - 35.8)/(43 - 35) | -2.7375 |
| 10.4 (12/12/2023) | 35.8 (9/2/2021) | (10.4 - 35.8)/(44 - 35) | -2.82222 |
| 53 (1/10/2024) | 35.8 (9/2/2021) | (53 - 35.8)/(45 - 35) | 1.72 |
| 14.6 (5/21/2024) | 35.8 (9/2/2021) | (14.6 - 35.8)/(46 - 35) | -1.92727 |
| 7.11 (9/16/2024) | 35.8 (9/2/2021) | (7.11 - 35.8)/(47 - 35) | -2.39083 |
| 19.4 (12/11/2024) | 35.8 (9/2/2021) | (19.4 - 35.8)/(48 - 35) | -1.26154 |
| 20.1 (2/18/2025) | 35.8 (9/2/2021) | (20.1 - 35.8)/(49 - 35) | -1.12143 |
| | | | |
| 17 (1/11/2022) | 12.7 (11/23/2021) | (17 - 12.7)/(37 - 36) | 4.3 |
| 140 (4/7/2022) | 12.7 (11/23/2021) | (140 - 12.7)/(38 - 36) | 63.65 |
| 6.3 (8/2/2022) | 12.7 (11/23/2021) | (6.3 - 12.7)/(39 - 36) | -2.13333 |
| 7.9 (11/16/2022) | 12.7 (11/23/2021) | (7.9 - 12.7)/(40 - 36) | -1.2 |
| 11.3 (2/14/2023) | 12.7 (11/23/2021) | (11.3 - 12.7)/(41 - 36) | -0.28 |
| 10.6 (5/25/2023) | 12.7 (11/23/2021) | (10.6 - 12.7)/(42 - 36) | -0.35 |
| 13.9 (8/7/2023) | 12.7 (11/23/2021) | (13.9 - 12.7)/(43 - 36) | 0.171429 |
| 10.4 (12/12/2023) | 12.7 (11/23/2021) | (10.4 - 12.7)/(44 - 36) | -0.2875 |
| 53 (1/10/2024) | 12.7 (11/23/2021) | (53 - 12.7)/(45 - 36) | 4.47778 |
| 14.6 (5/21/2024) | 12.7 (11/23/2021) | (14.6 - 12.7)/(46 - 36) | 0.19 |
| 7.11 (9/16/2024) | 12.7 (11/23/2021) | (7.11 - 12.7)/(47 - 36) | -0.508182 |

| | | | |
|---|---|---|---|
| 19.4 (12/11/2024) | 12.7 (11/23/2021) | (19.4 - 12.7)/(48 - 36) | 0.558333 |
| 20.1 (2/18/2025) | 12.7 (11/23/2021) | (20.1 - 12.7)/(49 - 36) | 0.569231 |
| | | | |
| 140 (4/7/2022) | 17 (1/11/2022) | (140 - 17)/(38 - 37) | 123 |
| 6.3 (8/2/2022) | 17 (1/11/2022) | (6.3 - 17)/(39 - 37) | -5.35 |
| 7.9 (11/16/2022) | 17 (1/11/2022) | (7.9 - 17)/(40 - 37) | -3.03333 |
| 11.3 (2/14/2023) | 17 (1/11/2022) | (11.3 - 17)/(41 - 37) | -1.425 |
| 10.6 (5/25/2023) | 17 (1/11/2022) | (10.6 - 17)/(42 - 37) | -1.28 |
| 13.9 (8/7/2023) | 17 (1/11/2022) | (13.9 - 17)/(43 - 37) | -0.516667 |
| 10.4 (12/12/2023) | 17 (1/11/2022) | (10.4 - 17)/(44 - 37) | -0.942857 |
| 53 (1/10/2024) | 17 (1/11/2022) | (53 - 17)/(45 - 37) | 4.5 |
| 14.6 (5/21/2024) | 17 (1/11/2022) | (14.6 - 17)/(46 - 37) | -0.266667 |
| 7.11 (9/16/2024) | 17 (1/11/2022) | (7.11 - 17)/(47 - 37) | -0.989 |
| 19.4 (12/11/2024) | 17 (1/11/2022) | (19.4 - 17)/(48 - 37) | 0.218182 |
| 20.1 (2/18/2025) | 17 (1/11/2022) | (20.1 - 17)/(49 - 37) | 0.258333 |
| | | | |
| 6.3 (8/2/2022) | 140 (4/7/2022) | (6.3 - 140)/(39 - 38) | -133.7 |
| 7.9 (11/16/2022) | 140 (4/7/2022) | (7.9 - 140)/(40 - 38) | -66.05 |
| 11.3 (2/14/2023) | 140 (4/7/2022) | (11.3 - 140)/(41 - 38) | -42.9 |
| 10.6 (5/25/2023) | 140 (4/7/2022) | (10.6 - 140)/(42 - 38) | -32.35 |
| 13.9 (8/7/2023) | 140 (4/7/2022) | (13.9 - 140)/(43 - 38) | -25.22 |
| 10.4 (12/12/2023) | 140 (4/7/2022) | (10.4 - 140)/(44 - 38) | -21.6 |
| 53 (1/10/2024) | 140 (4/7/2022) | (53 - 140)/(45 - 38) | -12.4286 |
| 14.6 (5/21/2024) | 140 (4/7/2022) | (14.6 - 140)/(46 - 38) | -15.675 |
| 7.11 (9/16/2024) | 140 (4/7/2022) | (7.11 - 140)/(47 - 38) | -14.7656 |
| 19.4 (12/11/2024) | 140 (4/7/2022) | (19.4 - 140)/(48 - 38) | -12.06 |
| 20.1 (2/18/2025) | 140 (4/7/2022) | (20.1 - 140)/(49 - 38) | -10.9 |
| | | | |
| 7.9 (11/16/2022) | 6.3 (8/2/2022) | (7.9 - 6.3)/(40 - 39) | 1.6 |
| 11.3 (2/14/2023) | 6.3 (8/2/2022) | (11.3 - 6.3)/(41 - 39) | 2.5 |
| 10.6 (5/25/2023) | 6.3 (8/2/2022) | (10.6 - 6.3)/(42 - 39) | 1.43333 |
| 13.9 (8/7/2023) | 6.3 (8/2/2022) | (13.9 - 6.3)/(43 - 39) | 1.9 |
| 10.4 (12/12/2023) | 6.3 (8/2/2022) | (10.4 - 6.3)/(44 - 39) | 0.82 |
| 53 (1/10/2024) | 6.3 (8/2/2022) | (53 - 6.3)/(45 - 39) | 7.78333 |
| 14.6 (5/21/2024) | 6.3 (8/2/2022) | (14.6 - 6.3)/(46 - 39) | 1.18571 |
| 7.11 (9/16/2024) | 6.3 (8/2/2022) | (7.11 - 6.3)/(47 - 39) | 0.10125 |
| 19.4 (12/11/2024) | 6.3 (8/2/2022) | (19.4 - 6.3)/(48 - 39) | 1.45556 |
| 20.1 (2/18/2025) | 6.3 (8/2/2022) | (20.1 - 6.3)/(49 - 39) | 1.38 |
| | | | |
| 11.3 (2/14/2023) | 7.9 (11/16/2022) | (11.3 - 7.9)/(41 - 40) | 3.4 |
| 10.6 (5/25/2023) | 7.9 (11/16/2022) | (10.6 - 7.9)/(42 - 40) | 1.35 |
| 13.9 (8/7/2023) | 7.9 (11/16/2022) | (13.9 - 7.9)/(43 - 40) | 2 |
| 10.4 (12/12/2023) | 7.9 (11/16/2022) | (10.4 - 7.9)/(44 - 40) | 0.625 |
| 53 (1/10/2024) | 7.9 (11/16/2022) | (53 - 7.9)/(45 - 40) | 9.02 |
| 14.6 (5/21/2024) | 7.9 (11/16/2022) | (14.6 - 7.9)/(46 - 40) | 1.11667 |
| 7.11 (9/16/2024) | 7.9 (11/16/2022) | (7.11 - 7.9)/(47 - 40) | -0.112857 |
| 19.4 (12/11/2024) | 7.9 (11/16/2022) | (19.4 - 7.9)/(48 - 40) | 1.4375 |
| 20.1 (2/18/2025) | 7.9 (11/16/2022) | (20.1 - 7.9)/(49 - 40) | 1.35556 |
| | | | |
| 10.6 (5/25/2023) | 11.3 (2/14/2023) | (10.6 - 11.3)/(42 - 41) | -0.7 |
| 13.9 (8/7/2023) | 11.3 (2/14/2023) | (13.9 - 11.3)/(43 - 41) | 1.3 |
| 10.4 (12/12/2023) | 11.3 (2/14/2023) | (10.4 - 11.3)/(44 - 41) | -0.3 |
| 53 (1/10/2024) | 11.3 (2/14/2023) | (53 - 11.3)/(45 - 41) | 10.425 |
| 14.6 (5/21/2024) | 11.3 (2/14/2023) | (14.6 - 11.3)/(46 - 41) | 0.66 |
| 7.11 (9/16/2024) | 11.3 (2/14/2023) | (7.11 - 11.3)/(47 - 41) | -0.698333 |
| 19.4 (12/11/2024) | 11.3 (2/14/2023) | (19.4 - 11.3)/(48 - 41) | 1.15714 |
| 20.1 (2/18/2025) | 11.3 (2/14/2023) | (20.1 - 11.3)/(49 - 41) | 1.1 |

| | | | |
|---|---|---|---|
| 13.9 (8/7/2023) | 10.6 (5/25/2023) | (13.9 - 10.6)/(43 - 42) | 3.3 |
| 10.4 (12/12/2023) | 10.6 (5/25/2023) | (10.4 - 10.6)/(44 - 42) | -0.1 |
| 53 (1/10/2024) | 10.6 (5/25/2023) | (53 - 10.6)/(45 - 42) | 14.1333 |
| 14.6 (5/21/2024) | 10.6 (5/25/2023) | (14.6 - 10.6)/(46 - 42) | 1 |
| 7.11 (9/16/2024) | 10.6 (5/25/2023) | (7.11 - 10.6)/(47 - 42) | -0.698 |
| 19.4 (12/11/2024) | 10.6 (5/25/2023) | (19.4 - 10.6)/(48 - 42) | 1.46667 |
| 20.1 (2/18/2025) | 10.6 (5/25/2023) | (20.1 - 10.6)/(49 - 42) | 1.35714 |
| | | | |
| 10.4 (12/12/2023) | 13.9 (8/7/2023) | (10.4 - 13.9)/(44 - 43) | -3.5 |
| 53 (1/10/2024) | 13.9 (8/7/2023) | (53 - 13.9)/(45 - 43) | 19.55 |
| 14.6 (5/21/2024) | 13.9 (8/7/2023) | (14.6 - 13.9)/(46 - 43) | 0.233333 |
| 7.11 (9/16/2024) | 13.9 (8/7/2023) | (7.11 - 13.9)/(47 - 43) | -1.6975 |
| 19.4 (12/11/2024) | 13.9 (8/7/2023) | (19.4 - 13.9)/(48 - 43) | 1.1 |
| 20.1 (2/18/2025) | 13.9 (8/7/2023) | (20.1 - 13.9)/(49 - 43) | 1.03333 |
| | | | |
| 53 (1/10/2024) | 10.4 (12/12/2023) | (53 - 10.4)/(45 - 44) | 42.6 |
| 14.6 (5/21/2024) | 10.4 (12/12/2023) | (14.6 - 10.4)/(46 - 44) | 2.1 |
| 7.11 (9/16/2024) | 10.4 (12/12/2023) | (7.11 - 10.4)/(47 - 44) | -1.09667 |
| 19.4 (12/11/2024) | 10.4 (12/12/2023) | (19.4 - 10.4)/(48 - 44) | 2.25 |
| 20.1 (2/18/2025) | 10.4 (12/12/2023) | (20.1 - 10.4)/(49 - 44) | 1.94 |
| | | | |
| 14.6 (5/21/2024) | 53 (1/10/2024) | (14.6 - 53)/(46 - 45) | -38.4 |
| 7.11 (9/16/2024) | 53 (1/10/2024) | (7.11 - 53)/(47 - 45) | -22.945 |
| 19.4 (12/11/2024) | 53 (1/10/2024) | (19.4 - 53)/(48 - 45) | -11.2 |
| 20.1 (2/18/2025) | 53 (1/10/2024) | (20.1 - 53)/(49 - 45) | -8.225 |
| | | | |
| 7.11 (9/16/2024) | 14.6 (5/21/2024) | (7.11 - 14.6)/(47 - 46) | -7.49 |
| 19.4 (12/11/2024) | 14.6 (5/21/2024) | (19.4 - 14.6)/(48 - 46) | 2.4 |
| 20.1 (2/18/2025) | 14.6 (5/21/2024) | (20.1 - 14.6)/(49 - 46) | 1.83333 |
| | | | |
| 19.4 (12/11/2024) | 7.11 (9/16/2024) | (19.4 - 7.11)/(48 - 47) | 12.29 |
| 20.1 (2/18/2025) | 7.11 (9/16/2024) | (20.1 - 7.11)/(49 - 47) | 6.495 |
| | | | |
| 20.1 (2/18/2025) | 19.4 (12/11/2024) | (20.1 - 19.4)/(49 - 48) | 0.7 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -133.7 |
| 2 | -66.05 |
| 3 | -56.4 |
| 4 | -42.9 |
| 5 | -38.4 |
| 6 | -32.35 |
| 7 | -27.3 |
| 8 | -25.9 |
| 9 | -25.3 |
| 10 | -25.22 |
| 11 | -23.1 |
| 12 | -22.945 |
| 13 | -21.6 |
| 14 | -18.35 |
| 15 | -15.675 |
| 16 | -15 |

| | |
|---|---|
| 17 | -14.7656 |
| 18 | -14.0167 |
| 19 | -13.95 |
| 20 | -12.4286 |
| 21 | -12.06 |
| 22 | -11.7857 |
| 23 | -11.2 |
| 24 | -10.9 |
| 25 | -10.65 |
| 26 | -10.65 |
| 27 | -10 |
| 28 | -10 |
| 29 | -9.8875 |
| 30 | -9.4 |
| 31 | -8.86667 |
| 32 | -8.225 |
| 33 | -8 |
| 34 | -7.96667 |
| 35 | -7.7 |
| 36 | -7.65 |
| 37 | -7.49 |
| 38 | -7.375 |
| 39 | -7.27273 |
| 40 | -6.6 |
| 41 | -5.94929 |
| 42 | -5.83077 |
| 43 | -5.66667 |
| 44 | -5.6 |
| 45 | -5.6 |
| 46 | -5.58 |
| 47 | -5.54 |
| 48 | -5.5 |
| 49 | -5.425 |
| 50 | -5.35 |
| 51 | -5.33333 |
| 52 | -5 |
| 53 | -5 |
| 54 | -4.73333 |
| 55 | -4.72 |
| 56 | -4.675 |
| 57 | -4.39375 |
| 58 | -4.35 |
| 59 | -4.33333 |
| 60 | -4.08333 |
| 61 | -4 |
| 62 | -3.7 |
| 63 | -3.6 |
| 64 | -3.54 |
| 65 | -3.53333 |
| 66 | -3.5 |
| 67 | -3.4 |
| 68 | -3.26667 |
| 69 | -3.24286 |
| 70 | -3.24 |
| 71 | -3.14286 |
| 72 | -3.11667 |
| 73 | -3.03333 |

| | |
|---|---|
| 74 | -2.925 |
| 75 | -2.82222 |
| 76 | -2.7375 |
| 77 | -2.71667 |
| 78 | -2.7 |
| 79 | -2.7 |
| 80 | -2.7 |
| 81 | -2.675 |
| 82 | -2.6 |
| 83 | -2.58571 |
| 84 | -2.5625 |
| 85 | -2.55 |
| 86 | -2.4 |
| 87 | -2.39083 |
| 88 | -2.36 |
| 89 | -2.25 |
| 90 | -2.23333 |
| 91 | -2.16 |
| 92 | -2.15 |
| 93 | -2.13333 |
| 94 | -2.11667 |
| 95 | -2.08571 |
| 96 | -2.06846 |
| 97 | -2.05 |
| 98 | -2.05 |
| 99 | -2.05 |
| 100 | -2.02727 |
| 101 | -2.02 |
| 102 | -2.01429 |
| 103 | -2 |
| 104 | -1.95714 |
| 105 | -1.92727 |
| 106 | -1.9 |
| 107 | -1.9 |
| 108 | -1.81111 |
| 109 | -1.80667 |
| 110 | -1.775 |
| 111 | -1.76667 |
| 112 | -1.6975 |
| 113 | -1.66667 |
| 114 | -1.64667 |
| 115 | -1.64 |
| 116 | -1.625 |
| 117 | -1.61667 |
| 118 | -1.58889 |
| 119 | -1.525 |
| 120 | -1.52 |
| 121 | -1.5 |
| 122 | -1.5 |
| 123 | -1.4875 |
| 124 | -1.48125 |
| 125 | -1.45 |
| 126 | -1.45 |
| 127 | -1.44375 |
| 128 | -1.43529 |
| 129 | -1.42857 |
| 130 | -1.42727 |

| | |
|---|---|
| 131 | -1.425 |
| 132 | -1.4 |
| 133 | -1.4 |
| 134 | -1.375 |
| 135 | -1.345 |
| 136 | -1.33333 |
| 137 | -1.31538 |
| 138 | -1.3 |
| 139 | -1.29474 |
| 140 | -1.29231 |
| 141 | -1.28333 |
| 142 | -1.28 |
| 143 | -1.27895 |
| 144 | -1.27059 |
| 145 | -1.26773 |
| 146 | -1.2625 |
| 147 | -1.26154 |
| 148 | -1.25714 |
| 149 | -1.24444 |
| 150 | -1.23333 |
| 151 | -1.2 |
| 152 | -1.2 |
| 153 | -1.17222 |
| 154 | -1.15882 |
| 155 | -1.15 |
| 156 | -1.13333 |
| 157 | -1.12143 |
| 158 | -1.09667 |
| 159 | -1.09524 |
| 160 | -1.08 |
| 161 | -1.08 |
| 162 | -1.07692 |
| 163 | -1.075 |
| 164 | -1.07333 |
| 165 | -1.06667 |
| 166 | -1.04286 |
| 167 | -1.04167 |
| 168 | -1.04 |
| 169 | -1.0387 |
| 170 | -1.03 |
| 171 | -1.03 |
| 172 | -1.01538 |
| 173 | -1.01429 |
| 174 | -1.01111 |
| 175 | -1 |
| 176 | -1 |
| 177 | -0.994737 |
| 178 | -0.989 |
| 179 | -0.982609 |
| 180 | -0.971429 |
| 181 | -0.964286 |
| 182 | -0.963636 |
| 183 | -0.955556 |
| 184 | -0.942857 |
| 185 | -0.940909 |
| 186 | -0.933333 |
| 187 | -0.932917 |

| | |
|---|---|
| 188 | -0.926667 |
| 189 | -0.919333 |
| 190 | -0.914286 |
| 191 | -0.909524 |
| 192 | -0.9 |
| 193 | -0.892857 |
| 194 | -0.883333 |
| 195 | -0.875 |
| 196 | -0.865625 |
| 197 | -0.855556 |
| 198 | -0.833333 |
| 199 | -0.816667 |
| 200 | -0.814286 |
| 201 | -0.8125 |
| 202 | -0.8 |
| 203 | -0.790909 |
| 204 | -0.79 |
| 205 | -0.7875 |
| 206 | -0.78 |
| 207 | -0.78 |
| 208 | -0.763636 |
| 209 | -0.7625 |
| 210 | -0.757143 |
| 211 | -0.757143 |
| 212 | -0.75 |
| 213 | -0.747368 |
| 214 | -0.745455 |
| 215 | -0.7375 |
| 216 | -0.735714 |
| 217 | -0.734483 |
| 218 | -0.73 |
| 219 | -0.722727 |
| 220 | -0.718182 |
| 221 | -0.715385 |
| 222 | -0.713333 |
| 223 | -0.7 |
| 224 | -0.7 |
| 225 | -0.7 |
| 226 | -0.7 |
| 227 | -0.698333 |
| 228 | -0.698 |
| 229 | -0.678261 |
| 230 | -0.675 |
| 231 | -0.675 |
| 232 | -0.67225 |
| 233 | -0.668571 |
| 234 | -0.667647 |
| 235 | -0.666667 |
| 236 | -0.666667 |
| 237 | -0.666667 |
| 238 | -0.664706 |
| 239 | -0.664286 |
| 240 | -0.6625 |
| 241 | -0.655556 |
| 242 | -0.647826 |
| 243 | -0.6476 |
| 244 | -0.641176 |

| | |
|---|---|
| 245 | -0.637838 |
| 246 | -0.636364 |
| 247 | -0.635 |
| 248 | -0.633333 |
| 249 | -0.631579 |
| 250 | -0.626316 |
| 251 | -0.626316 |
| 252 | -0.625926 |
| 253 | -0.620833 |
| 254 | -0.615385 |
| 255 | -0.604348 |
| 256 | -0.6 |
| 257 | -0.588889 |
| 258 | -0.588889 |
| 259 | -0.586364 |
| 260 | -0.582353 |
| 261 | -0.58 |
| 262 | -0.575 |
| 263 | -0.572727 |
| 264 | -0.571429 |
| 265 | -0.566667 |
| 266 | -0.566667 |
| 267 | -0.566667 |
| 268 | -0.56 |
| 269 | -0.558333 |
| 270 | -0.558333 |
| 271 | -0.557895 |
| 272 | -0.55625 |
| 273 | -0.553333 |
| 274 | -0.55 |
| 275 | -0.546429 |
| 276 | -0.538462 |
| 277 | -0.524 |
| 278 | -0.521739 |
| 279 | -0.51875 |
| 280 | -0.516667 |
| 281 | -0.516667 |
| 282 | -0.513636 |
| 283 | -0.5125 |
| 284 | -0.508182 |
| 285 | -0.5 |
| 286 | -0.5 |
| 287 | -0.5 |
| 288 | -0.5 |
| 289 | -0.5 |
| 290 | -0.497436 |
| 291 | -0.495652 |
| 292 | -0.491176 |
| 293 | -0.490909 |
| 294 | -0.488077 |
| 295 | -0.483333 |
| 296 | -0.483333 |
| 297 | -0.481818 |
| 298 | -0.476923 |
| 299 | -0.473333 |
| 300 | -0.472727 |
| 301 | -0.466667 |

| | |
|---|---|
| 302 | -0.464 |
| 303 | -0.461538 |
| 304 | -0.459714 |
| 305 | -0.458333 |
| 306 | -0.454545 |
| 307 | -0.45 |
| 308 | -0.45 |
| 309 | -0.45 |
| 310 | -0.447619 |
| 311 | -0.446667 |
| 312 | -0.444444 |
| 313 | -0.444444 |
| 314 | -0.438462 |
| 315 | -0.438095 |
| 316 | -0.4375 |
| 317 | -0.436 |
| 318 | -0.434783 |
| 319 | -0.431429 |
| 320 | -0.428571 |
| 321 | -0.428571 |
| 322 | -0.428571 |
| 323 | -0.428571 |
| 324 | -0.427273 |
| 325 | -0.425 |
| 326 | -0.42 |
| 327 | -0.42 |
| 328 | -0.42 |
| 329 | -0.416667 |
| 330 | -0.410345 |
| 331 | -0.409677 |
| 332 | -0.408696 |
| 333 | -0.408333 |
| 334 | -0.406667 |
| 335 | -0.404167 |
| 336 | -0.404 |
| 337 | -0.403448 |
| 338 | -0.4 |
| 339 | -0.4 |
| 340 | -0.4 |
| 341 | -0.399697 |
| 342 | -0.395455 |
| 343 | -0.388889 |
| 344 | -0.385862 |
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| 1073 | 3.53333 |
| 1074 | 3.54286 |
| 1075 | 3.54545 |
| 1076 | 3.55 |
| 1077 | 3.57143 |
| 1078 | 3.5875 |
| 1079 | 3.62 |
| 1080 | 3.635 |
| 1081 | 3.66 |
| 1082 | 3.68947 |
| 1083 | 3.71667 |
| 1084 | 3.73333 |
| 1085 | 3.75 |
| 1086 | 3.8 |
| 1087 | 3.83333 |
| 1088 | 3.84286 |
| 1089 | 3.85 |
| 1090 | 3.9 |
| 1091 | 3.9 |
| 1092 | 3.96875 |
| 1093 | 4 |
| 1094 | 4 |
| 1095 | 4 |
| 1096 | 4 |
| 1097 | 4.03333 |
| 1098 | 4.14 |
| 1099 | 4.2 |

| | |
|---|---|
| 1100 | 4.2 |
| 1101 | 4.2 |
| 1102 | 4.27647 |
| 1103 | 4.3 |
| 1104 | 4.32222 |
| 1105 | 4.33333 |
| 1106 | 4.34483 |
| 1107 | 4.35714 |
| 1108 | 4.47778 |
| 1109 | 4.49231 |
| 1110 | 4.5 |
| 1111 | 4.61852 |
| 1112 | 4.7125 |
| 1113 | 4.75 |
| 1114 | 4.75 |
| 1115 | 4.80667 |
| 1116 | 4.85 |
| 1117 | 4.88 |
| 1118 | 4.892 |
| 1119 | 4.96667 |
| 1120 | 4.9875 |
| 1121 | 5.1 |
| 1122 | 5.5 |
| 1123 | 5.53913 |
| 1124 | 5.55 |
| 1125 | 5.55909 |
| 1126 | 5.65 |
| 1127 | 5.65385 |
| 1128 | 5.88333 |
| 1129 | 5.95238 |
| 1130 | 6 |
| 1131 | 6.085 |
| 1132 | 6.09 |
| 1133 | 6.1 |
| 1134 | 6.2 |
| 1135 | 6.495 |
| 1136 | 6.55 |
| 1137 | 6.6 |
| 1138 | 6.7 |
| 1139 | 6.7 |
| 1140 | 6.83889 |
| 1141 | 6.925 |
| 1142 | 7.07059 |
| 1143 | 7.29375 |
| 1144 | 7.36667 |
| 1145 | 7.78333 |
| 1146 | 7.78571 |
| 1147 | 7.9 |
| 1148 | 8.07692 |
| 1149 | 8.33333 |
| 1150 | 9.02 |
| 1151 | 9.92 |
| 1152 | 10.425 |
| 1153 | 10.8583 |
| 1154 | 11.5286 |
| 1155 | 11.9 |
| 1156 | 12.0818 |

| | |
|---|---|
| 1157 | 12.29 |
| 1158 | 12.9 |
| 1159 | 13.8833 |
| 1160 | 14.0778 |
| 1161 | 14.1333 |
| 1162 | 15.88 |
| 1163 | 16.075 |
| 1164 | 18.7143 |
| 1165 | 19.275 |
| 1166 | 19.55 |
| 1167 | 19.85 |
| 1168 | 21 |
| 1169 | 26.3333 |
| 1170 | 26.5 |
| 1171 | 34.7333 |
| 1172 | 40.7 |
| 1173 | 42.6 |
| 1174 | 63.65 |
| 1175 | 69.5 |
| 1176 | 123 |

Sen's Estimator (Median Q) is -0.07

| Tied Group | Value | Members |
|---|---|---|
| 1 | 14 | 2 |
| 2 | 15 | 2 |
| 3 | 34 | 2 |
| 4 | 17.7 | 2 |
| 5 | 12.7 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/29/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |

| | |
|---|---|
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 90
B = 0
C = 0
D = 0
E = 10
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13453.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.786
M1 = (1176 - 190.786)/2.0 = 492.607
M2 = (1176 + 190.786)/2.0 + 1 = 684.393
Lower limit is -0.176471 = Q(493)
Upper limit is 0.0666667 = Q(684)
-0.176471 < 0 < 0.0666667 indicating no trend in data.

## Sen's Slope Analysis

### Parameter: Total Suspended Solids

### Location: SS 13

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 5.7 (5/8/2013) | 4.7 (3/12/2013) | (5.7 - 4.7)/(2 - 1) | 1 |
| 9.6 (9/23/2013) | 4.7 (3/12/2013) | (9.6 - 4.7)/(3 - 1) | 2.45 |
| 5.6 (12/10/2013) | 4.7 (3/12/2013) | (5.6 - 4.7)/(4 - 1) | 0.3 |
| 4.1 (2/6/2014) | 4.7 (3/12/2013) | (4.1 - 4.7)/(5 - 1) | -0.15 |
| 5.4 (6/26/2014) | 4.7 (3/12/2013) | (5.4 - 4.7)/(6 - 1) | 0.14 |
| 12 (9/30/2014) | 4.7 (3/12/2013) | (12 - 4.7)/(7 - 1) | 1.21667 |
| 4.8 (11/19/2014) | 4.7 (3/12/2013) | (4.8 - 4.7)/(8 - 1) | 0.0142857 |
| 7.6 (3/23/2015) | 4.7 (3/12/2013) | (7.6 - 4.7)/(9 - 1) | 0.3625 |
| 10 (4/22/2015) | 4.7 (3/12/2013) | (10 - 4.7)/(10 - 1) | 0.588889 |
| 9 (9/30/2015) | 4.7 (3/12/2013) | (9 - 4.7)/(11 - 1) | 0.43 |
| 4.8 (11/19/2015) | 4.7 (3/12/2013) | (4.8 - 4.7)/(12 - 1) | 0.00909091 |
| 4.7 (3/15/2016) | 4.7 (3/12/2013) | (4.7 - 4.7)/(13 - 1) | 0 |
| 9.8 (6/29/2016) | 4.7 (3/12/2013) | (9.8 - 4.7)/(14 - 1) | 0.392308 |
| 24 (8/9/2016) | 4.7 (3/12/2013) | (24 - 4.7)/(15 - 1) | 1.37857 |
| 3.6 (12/7/2016) | 4.7 (3/12/2013) | (3.6 - 4.7)/(16 - 1) | -0.0733333 |
| 4.6 (3/2/2017) | 4.7 (3/12/2013) | (4.6 - 4.7)/(17 - 1) | -0.00625 |
| 12.8 (6/21/2017) | 4.7 (3/12/2013) | (12.8 - 4.7)/(18 - 1) | 0.476471 |
| 18.6 (8/17/2017) | 4.7 (3/12/2013) | (18.6 - 4.7)/(19 - 1) | 0.772222 |
| 7.2 (10/26/2017) | 4.7 (3/12/2013) | (7.2 - 4.7)/(20 - 1) | 0.131579 |
| 16.2 (3/27/2018) | 4.7 (3/12/2013) | (16.2 - 4.7)/(21 - 1) | 0.575 |
| 10.2 (6/26/2018) | 4.7 (3/12/2013) | (10.2 - 4.7)/(22 - 1) | 0.261905 |
| 20.2 (8/1/2018) | 4.7 (3/12/2013) | (20.2 - 4.7)/(23 - 1) | 0.704545 |
| 8.6 (12/11/2018) | 4.7 (3/12/2013) | (8.6 - 4.7)/(24 - 1) | 0.169565 |
| 6.8 (4/17/2019) | 4.7 (3/12/2013) | (6.8 - 4.7)/(25 - 1) | 0.0875 |
| ND<6.25 U (6/11/2019) | 4.7 (3/12/2013) | (6.25 - 4.7)/(26 - 1) | 0.062 |
| 24.4 (8/28/2019) | 4.7 (3/12/2013) | (24.4 - 4.7)/(27 - 1) | 0.757692 |
| 3.7 (10/28/2019) | 4.7 (3/12/2013) | (3.7 - 4.7)/(28 - 1) | -0.037037 |
| 92 (3/31/2020) | 4.7 (3/12/2013) | (92 - 4.7)/(29 - 1) | 3.11786 |
| 21.2 (6/10/2020) | 4.7 (3/12/2013) | (21.2 - 4.7)/(30 - 1) | 0.568966 |
| 7.8 (9/21/2020) | 4.7 (3/12/2013) | (7.8 - 4.7)/(31 - 1) | 0.103333 |
| 5.3 (12/17/2020) | 4.7 (3/12/2013) | (5.3 - 4.7)/(32 - 1) | 0.0193548 |
| 16.5 (3/18/2021) | 4.7 (3/12/2013) | (16.5 - 4.7)/(33 - 1) | 0.36875 |
| 10.5 (5/5/2021) | 4.7 (3/12/2013) | (10.5 - 4.7)/(34 - 1) | 0.175758 |
| 13.4 (9/2/2021) | 4.7 (3/12/2013) | (13.4 - 4.7)/(35 - 1) | 0.255882 |
| 5.3 (11/23/2021) | 4.7 (3/12/2013) | (5.3 - 4.7)/(36 - 1) | 0.0171429 |
| 7 (1/10/2022) | 4.7 (3/12/2013) | (7 - 4.7)/(37 - 1) | 0.0638889 |
| 5.3 (4/7/2022) | 4.7 (3/12/2013) | (5.3 - 4.7)/(38 - 1) | 0.0162162 |
| 44.4 (8/3/2022) | 4.7 (3/12/2013) | (44.4 - 4.7)/(39 - 1) | 1.04474 |
| 5.5 (11/16/2022) | 4.7 (3/12/2013) | (5.5 - 4.7)/(40 - 1) | 0.0205128 |
| 2.5 (2/13/2023) | 4.7 (3/12/2013) | (2.5 - 4.7)/(41 - 1) | -0.055 |
| 3.73 (5/24/2023) | 4.7 (3/12/2013) | (3.73 - 4.7)/(42 - 1) | -0.0236585 |
| 4 (8/7/2023) | 4.7 (3/12/2013) | (4 - 4.7)/(43 - 1) | -0.0166667 |
| 5.5 (12/12/2023) | 4.7 (3/12/2013) | (5.5 - 4.7)/(44 - 1) | 0.0186047 |
| 6.71 (1/10/2024) | 4.7 (3/12/2013) | (6.71 - 4.7)/(45 - 1) | 0.0456818 |
| 32.7 (5/20/2024) | 4.7 (3/12/2013) | (32.7 - 4.7)/(46 - 1) | 0.622222 |
| 14.8 (9/16/2024) | 4.7 (3/12/2013) | (14.8 - 4.7)/(47 - 1) | 0.219565 |
| 7.5 (12/11/2024) | 4.7 (3/12/2013) | (7.5 - 4.7)/(48 - 1) | 0.0595745 |
| 20 (2/18/2025) | 4.7 (3/12/2013) | (20 - 4.7)/(49 - 1) | 0.31875 |

| | | | |
|---|---|---|---|
| 9.6 (9/23/2013) | 5.7 (5/8/2013) | (9.6 - 5.7)/(3 - 2) | 3.9 |
| 5.6 (12/10/2013) | 5.7 (5/8/2013) | (5.6 - 5.7)/(4 - 2) | -0.05 |
| 4.1 (2/6/2014) | 5.7 (5/8/2013) | (4.1 - 5.7)/(5 - 2) | -0.533333 |
| 5.4 (6/26/2014) | 5.7 (5/8/2013) | (5.4 - 5.7)/(6 - 2) | -0.075 |
| 12 (9/30/2014) | 5.7 (5/8/2013) | (12 - 5.7)/(7 - 2) | 1.26 |
| 4.8 (11/19/2014) | 5.7 (5/8/2013) | (4.8 - 5.7)/(8 - 2) | -0.15 |
| 7.6 (3/23/2015) | 5.7 (5/8/2013) | (7.6 - 5.7)/(9 - 2) | 0.271429 |
| 10 (4/22/2015) | 5.7 (5/8/2013) | (10 - 5.7)/(10 - 2) | 0.5375 |
| 9 (9/30/2015) | 5.7 (5/8/2013) | (9 - 5.7)/(11 - 2) | 0.366667 |
| 4.8 (11/19/2015) | 5.7 (5/8/2013) | (4.8 - 5.7)/(12 - 2) | -0.09 |
| 4.7 (3/15/2016) | 5.7 (5/8/2013) | (4.7 - 5.7)/(13 - 2) | -0.0909091 |
| 9.8 (6/29/2016) | 5.7 (5/8/2013) | (9.8 - 5.7)/(14 - 2) | 0.341667 |
| 24 (8/9/2016) | 5.7 (5/8/2013) | (24 - 5.7)/(15 - 2) | 1.40769 |
| 3.6 (12/7/2016) | 5.7 (5/8/2013) | (3.6 - 5.7)/(16 - 2) | -0.15 |
| 4.6 (3/2/2017) | 5.7 (5/8/2013) | (4.6 - 5.7)/(17 - 2) | -0.0733333 |
| 12.8 (6/21/2017) | 5.7 (5/8/2013) | (12.8 - 5.7)/(18 - 2) | 0.44375 |
| 18.6 (8/17/2017) | 5.7 (5/8/2013) | (18.6 - 5.7)/(19 - 2) | 0.758824 |
| 7.2 (10/26/2017) | 5.7 (5/8/2013) | (7.2 - 5.7)/(20 - 2) | 0.0833333 |
| 16.2 (3/27/2018) | 5.7 (5/8/2013) | (16.2 - 5.7)/(21 - 2) | 0.552632 |
| 10.2 (6/26/2018) | 5.7 (5/8/2013) | (10.2 - 5.7)/(22 - 2) | 0.225 |
| 20.2 (8/1/2018) | 5.7 (5/8/2013) | (20.2 - 5.7)/(23 - 2) | 0.690476 |
| 8.6 (12/11/2018) | 5.7 (5/8/2013) | (8.6 - 5.7)/(24 - 2) | 0.131818 |
| 6.8 (4/17/2019) | 5.7 (5/8/2013) | (6.8 - 5.7)/(25 - 2) | 0.0478261 |
| ND<6.25 U (6/11/2019) | 5.7 (5/8/2013) | (6.25 - 5.7)/(26 - 2) | 0.0229167 |
| 24.4 (8/28/2019) | 5.7 (5/8/2013) | (24.4 - 5.7)/(27 - 2) | 0.748 |
| 3.7 (10/28/2019) | 5.7 (5/8/2013) | (3.7 - 5.7)/(28 - 2) | -0.0769231 |
| 92 (3/31/2020) | 5.7 (5/8/2013) | (92 - 5.7)/(29 - 2) | 3.1963 |
| 21.2 (6/10/2020) | 5.7 (5/8/2013) | (21.2 - 5.7)/(30 - 2) | 0.553571 |
| 7.8 (9/21/2020) | 5.7 (5/8/2013) | (7.8 - 5.7)/(31 - 2) | 0.0724138 |
| 5.3 (12/17/2020) | 5.7 (5/8/2013) | (5.3 - 5.7)/(32 - 2) | -0.0133333 |
| 16.5 (3/18/2021) | 5.7 (5/8/2013) | (16.5 - 5.7)/(33 - 2) | 0.348387 |
| 10.5 (5/5/2021) | 5.7 (5/8/2013) | (10.5 - 5.7)/(34 - 2) | 0.15 |
| 13.4 (9/2/2021) | 5.7 (5/8/2013) | (13.4 - 5.7)/(35 - 2) | 0.233333 |
| 5.3 (11/23/2021) | 5.7 (5/8/2013) | (5.3 - 5.7)/(36 - 2) | -0.0117647 |
| 7 (1/10/2022) | 5.7 (5/8/2013) | (7 - 5.7)/(37 - 2) | 0.0371429 |
| 5.3 (4/7/2022) | 5.7 (5/8/2013) | (5.3 - 5.7)/(38 - 2) | -0.0111111 |
| 44.4 (8/3/2022) | 5.7 (5/8/2013) | (44.4 - 5.7)/(39 - 2) | 1.04595 |
| 5.5 (11/16/2022) | 5.7 (5/8/2013) | (5.5 - 5.7)/(40 - 2) | -0.00526316 |
| 2.5 (2/13/2023) | 5.7 (5/8/2013) | (2.5 - 5.7)/(41 - 2) | -0.0820513 |
| 3.73 (5/24/2023) | 5.7 (5/8/2013) | (3.73 - 5.7)/(42 - 2) | -0.04925 |
| 4 (8/7/2023) | 5.7 (5/8/2013) | (4 - 5.7)/(43 - 2) | -0.0414634 |
| 5.5 (12/12/2023) | 5.7 (5/8/2013) | (5.5 - 5.7)/(44 - 2) | -0.0047619 |
| 6.71 (1/10/2024) | 5.7 (5/8/2013) | (6.71 - 5.7)/(45 - 2) | 0.0234884 |
| 32.7 (5/20/2024) | 5.7 (5/8/2013) | (32.7 - 5.7)/(46 - 2) | 0.613636 |
| 14.8 (9/16/2024) | 5.7 (5/8/2013) | (14.8 - 5.7)/(47 - 2) | 0.202222 |
| 7.5 (12/11/2024) | 5.7 (5/8/2013) | (7.5 - 5.7)/(48 - 2) | 0.0391304 |
| 20 (2/18/2025) | 5.7 (5/8/2013) | (20 - 5.7)/(49 - 2) | 0.304255 |
| | | | |
| 5.6 (12/10/2013) | 9.6 (9/23/2013) | (5.6 - 9.6)/(4 - 3) | -4 |
| 4.1 (2/6/2014) | 9.6 (9/23/2013) | (4.1 - 9.6)/(5 - 3) | -2.75 |
| 5.4 (6/26/2014) | 9.6 (9/23/2013) | (5.4 - 9.6)/(6 - 3) | -1.4 |
| 12 (9/30/2014) | 9.6 (9/23/2013) | (12 - 9.6)/(7 - 3) | 0.6 |
| 4.8 (11/19/2014) | 9.6 (9/23/2013) | (4.8 - 9.6)/(8 - 3) | -0.96 |
| 7.6 (3/23/2015) | 9.6 (9/23/2013) | (7.6 - 9.6)/(9 - 3) | -0.333333 |
| 10 (4/22/2015) | 9.6 (9/23/2013) | (10 - 9.6)/(10 - 3) | 0.0571429 |
| 9 (9/30/2015) | 9.6 (9/23/2013) | (9 - 9.6)/(11 - 3) | -0.075 |

| | | | |
|---|---|---|---|
| 4.8 (11/19/2015) | 9.6 (9/23/2013) | (4.8 - 9.6)/(12 - 3) | -0.533333 |
| 4.7 (3/15/2016) | 9.6 (9/23/2013) | (4.7 - 9.6)/(13 - 3) | -0.49 |
| 9.8 (6/29/2016) | 9.6 (9/23/2013) | (9.8 - 9.6)/(14 - 3) | 0.0181818 |
| 24 (8/9/2016) | 9.6 (9/23/2013) | (24 - 9.6)/(15 - 3) | 1.2 |
| 3.6 (12/7/2016) | 9.6 (9/23/2013) | (3.6 - 9.6)/(16 - 3) | -0.461538 |
| 4.6 (3/2/2017) | 9.6 (9/23/2013) | (4.6 - 9.6)/(17 - 3) | -0.357143 |
| 12.8 (6/21/2017) | 9.6 (9/23/2013) | (12.8 - 9.6)/(18 - 3) | 0.213333 |
| 18.6 (8/17/2017) | 9.6 (9/23/2013) | (18.6 - 9.6)/(19 - 3) | 0.5625 |
| 7.2 (10/26/2017) | 9.6 (9/23/2013) | (7.2 - 9.6)/(20 - 3) | -0.141176 |
| 16.2 (3/27/2018) | 9.6 (9/23/2013) | (16.2 - 9.6)/(21 - 3) | 0.366667 |
| 10.2 (6/26/2018) | 9.6 (9/23/2013) | (10.2 - 9.6)/(22 - 3) | 0.0315789 |
| 20.2 (8/1/2018) | 9.6 (9/23/2013) | (20.2 - 9.6)/(23 - 3) | 0.53 |
| 8.6 (12/11/2018) | 9.6 (9/23/2013) | (8.6 - 9.6)/(24 - 3) | -0.047619 |
| 6.8 (4/17/2019) | 9.6 (9/23/2013) | (6.8 - 9.6)/(25 - 3) | -0.127273 |
| ND<6.25 U (6/11/2019) | 9.6 (9/23/2013) | (6.25 - 9.6)/(26 - 3) | -0.145652 |
| 24.4 (8/28/2019) | 9.6 (9/23/2013) | (24.4 - 9.6)/(27 - 3) | 0.616667 |
| 3.7 (10/28/2019) | 9.6 (9/23/2013) | (3.7 - 9.6)/(28 - 3) | -0.236 |
| 92 (3/31/2020) | 9.6 (9/23/2013) | (92 - 9.6)/(29 - 3) | 3.16923 |
| 21.2 (6/10/2020) | 9.6 (9/23/2013) | (21.2 - 9.6)/(30 - 3) | 0.42963 |
| 7.8 (9/21/2020) | 9.6 (9/23/2013) | (7.8 - 9.6)/(31 - 3) | -0.0642857 |
| 5.3 (12/17/2020) | 9.6 (9/23/2013) | (5.3 - 9.6)/(32 - 3) | -0.148276 |
| 16.5 (3/18/2021) | 9.6 (9/23/2013) | (16.5 - 9.6)/(33 - 3) | 0.23 |
| 10.5 (5/5/2021) | 9.6 (9/23/2013) | (10.5 - 9.6)/(34 - 3) | 0.0290323 |
| 13.4 (9/2/2021) | 9.6 (9/23/2013) | (13.4 - 9.6)/(35 - 3) | 0.11875 |
| 5.3 (11/23/2021) | 9.6 (9/23/2013) | (5.3 - 9.6)/(36 - 3) | -0.130303 |
| 7 (1/10/2022) | 9.6 (9/23/2013) | (7 - 9.6)/(37 - 3) | -0.0764706 |
| 5.3 (4/7/2022) | 9.6 (9/23/2013) | (5.3 - 9.6)/(38 - 3) | -0.122857 |
| 44.4 (8/3/2022) | 9.6 (9/23/2013) | (44.4 - 9.6)/(39 - 3) | 0.966667 |
| 5.5 (11/16/2022) | 9.6 (9/23/2013) | (5.5 - 9.6)/(40 - 3) | -0.110811 |
| 2.5 (2/13/2023) | 9.6 (9/23/2013) | (2.5 - 9.6)/(41 - 3) | -0.186842 |
| 3.73 (5/24/2023) | 9.6 (9/23/2013) | (3.73 - 9.6)/(42 - 3) | -0.150513 |
| 4 (8/7/2023) | 9.6 (9/23/2013) | (4 - 9.6)/(43 - 3) | -0.14 |
| 5.5 (12/12/2023) | 9.6 (9/23/2013) | (5.5 - 9.6)/(44 - 3) | -0.1 |
| 6.71 (1/10/2024) | 9.6 (9/23/2013) | (6.71 - 9.6)/(45 - 3) | -0.0688095 |
| 32.7 (5/20/2024) | 9.6 (9/23/2013) | (32.7 - 9.6)/(46 - 3) | 0.537209 |
| 14.8 (9/16/2024) | 9.6 (9/23/2013) | (14.8 - 9.6)/(47 - 3) | 0.118182 |
| 7.5 (12/11/2024) | 9.6 (9/23/2013) | (7.5 - 9.6)/(48 - 3) | -0.0466667 |
| 20 (2/18/2025) | 9.6 (9/23/2013) | (20 - 9.6)/(49 - 3) | 0.226087 |
| | | | |
| 4.1 (2/6/2014) | 5.6 (12/10/2013) | (4.1 - 5.6)/(5 - 4) | -1.5 |
| 5.4 (6/26/2014) | 5.6 (12/10/2013) | (5.4 - 5.6)/(6 - 4) | -0.1 |
| 12 (9/30/2014) | 5.6 (12/10/2013) | (12 - 5.6)/(7 - 4) | 2.13333 |
| 4.8 (11/19/2014) | 5.6 (12/10/2013) | (4.8 - 5.6)/(8 - 4) | -0.2 |
| 7.6 (3/23/2015) | 5.6 (12/10/2013) | (7.6 - 5.6)/(9 - 4) | 0.4 |
| 10 (4/22/2015) | 5.6 (12/10/2013) | (10 - 5.6)/(10 - 4) | 0.733333 |
| 9 (9/30/2015) | 5.6 (12/10/2013) | (9 - 5.6)/(11 - 4) | 0.485714 |
| 4.8 (11/19/2015) | 5.6 (12/10/2013) | (4.8 - 5.6)/(12 - 4) | -0.1 |
| 4.7 (3/15/2016) | 5.6 (12/10/2013) | (4.7 - 5.6)/(13 - 4) | -0.1 |
| 9.8 (6/29/2016) | 5.6 (12/10/2013) | (9.8 - 5.6)/(14 - 4) | 0.42 |
| 24 (8/9/2016) | 5.6 (12/10/2013) | (24 - 5.6)/(15 - 4) | 1.67273 |
| 3.6 (12/7/2016) | 5.6 (12/10/2013) | (3.6 - 5.6)/(16 - 4) | -0.166667 |
| 4.6 (3/2/2017) | 5.6 (12/10/2013) | (4.6 - 5.6)/(17 - 4) | -0.0769231 |
| 12.8 (6/21/2017) | 5.6 (12/10/2013) | (12.8 - 5.6)/(18 - 4) | 0.514286 |
| 18.6 (8/17/2017) | 5.6 (12/10/2013) | (18.6 - 5.6)/(19 - 4) | 0.866667 |
| 7.2 (10/26/2017) | 5.6 (12/10/2013) | (7.2 - 5.6)/(20 - 4) | 0.1 |
| 16.2 (3/27/2018) | 5.6 (12/10/2013) | (16.2 - 5.6)/(21 - 4) | 0.623529 |
| 10.2 (6/26/2018) | 5.6 (12/10/2013) | (10.2 - 5.6)/(22 - 4) | 0.255556 |

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|---|---|---|---|
| 20.2 (8/1/2018) | 5.6 (12/10/2013) | (20.2 - 5.6)/(23 - 4) | 0.768421 |
| 8.6 (12/11/2018) | 5.6 (12/10/2013) | (8.6 - 5.6)/(24 - 4) | 0.15 |
| 6.8 (4/17/2019) | 5.6 (12/10/2013) | (6.8 - 5.6)/(25 - 4) | 0.0571429 |
| ND<6.25 U (6/11/2019) | 5.6 (12/10/2013) | (6.25 - 5.6)/(26 - 4) | 0.0295455 |
| 24.4 (8/28/2019) | 5.6 (12/10/2013) | (24.4 - 5.6)/(27 - 4) | 0.817391 |
| 3.7 (10/28/2019) | 5.6 (12/10/2013) | (3.7 - 5.6)/(28 - 4) | -0.0791667 |
| 92 (3/31/2020) | 5.6 (12/10/2013) | (92 - 5.6)/(29 - 4) | 3.456 |
| 21.2 (6/10/2020) | 5.6 (12/10/2013) | (21.2 - 5.6)/(30 - 4) | 0.6 |
| 7.8 (9/21/2020) | 5.6 (12/10/2013) | (7.8 - 5.6)/(31 - 4) | 0.0814815 |
| 5.3 (12/17/2020) | 5.6 (12/10/2013) | (5.3 - 5.6)/(32 - 4) | -0.0107143 |
| 16.5 (3/18/2021) | 5.6 (12/10/2013) | (16.5 - 5.6)/(33 - 4) | 0.375862 |
| 10.5 (5/5/2021) | 5.6 (12/10/2013) | (10.5 - 5.6)/(34 - 4) | 0.163333 |
| 13.4 (9/2/2021) | 5.6 (12/10/2013) | (13.4 - 5.6)/(35 - 4) | 0.251613 |
| 5.3 (11/23/2021) | 5.6 (12/10/2013) | (5.3 - 5.6)/(36 - 4) | -0.009375 |
| 7 (1/10/2022) | 5.6 (12/10/2013) | (7 - 5.6)/(37 - 4) | 0.0424242 |
| 5.3 (4/7/2022) | 5.6 (12/10/2013) | (5.3 - 5.6)/(38 - 4) | -0.00882353 |
| 44.4 (8/3/2022) | 5.6 (12/10/2013) | (44.4 - 5.6)/(39 - 4) | 1.10857 |
| 5.5 (11/16/2022) | 5.6 (12/10/2013) | (5.5 - 5.6)/(40 - 4) | -0.00277778 |
| 2.5 (2/13/2023) | 5.6 (12/10/2013) | (2.5 - 5.6)/(41 - 4) | -0.0837838 |
| 3.73 (5/24/2023) | 5.6 (12/10/2013) | (3.73 - 5.6)/(42 - 4) | -0.0492105 |
| 4 (8/7/2023) | 5.6 (12/10/2013) | (4 - 5.6)/(43 - 4) | -0.0410256 |
| 5.5 (12/12/2023) | 5.6 (12/10/2013) | (5.5 - 5.6)/(44 - 4) | -0.0025 |
| 6.71 (1/10/2024) | 5.6 (12/10/2013) | (6.71 - 5.6)/(45 - 4) | 0.0270732 |
| 32.7 (5/20/2024) | 5.6 (12/10/2013) | (32.7 - 5.6)/(46 - 4) | 0.645238 |
| 14.8 (9/16/2024) | 5.6 (12/10/2013) | (14.8 - 5.6)/(47 - 4) | 0.213953 |
| 7.5 (12/11/2024) | 5.6 (12/10/2013) | (7.5 - 5.6)/(48 - 4) | 0.0431818 |
| 20 (2/18/2025) | 5.6 (12/10/2013) | (20 - 5.6)/(49 - 4) | 0.32 |
| | | | |
| 5.4 (6/26/2014) | 4.1 (2/6/2014) | (5.4 - 4.1)/(6 - 5) | 1.3 |
| 12 (9/30/2014) | 4.1 (2/6/2014) | (12 - 4.1)/(7 - 5) | 3.95 |
| 4.8 (11/19/2014) | 4.1 (2/6/2014) | (4.8 - 4.1)/(8 - 5) | 0.233333 |
| 7.6 (3/23/2015) | 4.1 (2/6/2014) | (7.6 - 4.1)/(9 - 5) | 0.875 |
| 10 (4/22/2015) | 4.1 (2/6/2014) | (10 - 4.1)/(10 - 5) | 1.18 |
| 9 (9/30/2015) | 4.1 (2/6/2014) | (9 - 4.1)/(11 - 5) | 0.816667 |
| 4.8 (11/19/2015) | 4.1 (2/6/2014) | (4.8 - 4.1)/(12 - 5) | 0.1 |
| 4.7 (3/15/2016) | 4.1 (2/6/2014) | (4.7 - 4.1)/(13 - 5) | 0.075 |
| 9.8 (6/29/2016) | 4.1 (2/6/2014) | (9.8 - 4.1)/(14 - 5) | 0.633333 |
| 24 (8/9/2016) | 4.1 (2/6/2014) | (24 - 4.1)/(15 - 5) | 1.99 |
| 3.6 (12/7/2016) | 4.1 (2/6/2014) | (3.6 - 4.1)/(16 - 5) | -0.0454545 |
| 4.6 (3/2/2017) | 4.1 (2/6/2014) | (4.6 - 4.1)/(17 - 5) | 0.0416667 |
| 12.8 (6/21/2017) | 4.1 (2/6/2014) | (12.8 - 4.1)/(18 - 5) | 0.669231 |
| 18.6 (8/17/2017) | 4.1 (2/6/2014) | (18.6 - 4.1)/(19 - 5) | 1.03571 |
| 7.2 (10/26/2017) | 4.1 (2/6/2014) | (7.2 - 4.1)/(20 - 5) | 0.206667 |
| 16.2 (3/27/2018) | 4.1 (2/6/2014) | (16.2 - 4.1)/(21 - 5) | 0.75625 |
| 10.2 (6/26/2018) | 4.1 (2/6/2014) | (10.2 - 4.1)/(22 - 5) | 0.358824 |
| 20.2 (8/1/2018) | 4.1 (2/6/2014) | (20.2 - 4.1)/(23 - 5) | 0.894444 |
| 8.6 (12/11/2018) | 4.1 (2/6/2014) | (8.6 - 4.1)/(24 - 5) | 0.236842 |
| 6.8 (4/17/2019) | 4.1 (2/6/2014) | (6.8 - 4.1)/(25 - 5) | 0.135 |
| ND<6.25 U (6/11/2019) | 4.1 (2/6/2014) | (6.25 - 4.1)/(26 - 5) | 0.102381 |
| 24.4 (8/28/2019) | 4.1 (2/6/2014) | (24.4 - 4.1)/(27 - 5) | 0.922727 |
| 3.7 (10/28/2019) | 4.1 (2/6/2014) | (3.7 - 4.1)/(28 - 5) | -0.0173913 |
| 92 (3/31/2020) | 4.1 (2/6/2014) | (92 - 4.1)/(29 - 5) | 3.6625 |
| 21.2 (6/10/2020) | 4.1 (2/6/2014) | (21.2 - 4.1)/(30 - 5) | 0.684 |
| 7.8 (9/21/2020) | 4.1 (2/6/2014) | (7.8 - 4.1)/(31 - 5) | 0.142308 |
| 5.3 (12/17/2020) | 4.1 (2/6/2014) | (5.3 - 4.1)/(32 - 5) | 0.0444444 |
| 16.5 (3/18/2021) | 4.1 (2/6/2014) | (16.5 - 4.1)/(33 - 5) | 0.442857 |
| 10.5 (5/5/2021) | 4.1 (2/6/2014) | (10.5 - 4.1)/(34 - 5) | 0.22069 |

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| 13.4 (9/2/2021) | 4.1 (2/6/2014) | (13.4 - 4.1)/(35 - 5) | 0.31 |
| 5.3 (11/23/2021) | 4.1 (2/6/2014) | (5.3 - 4.1)/(36 - 5) | 0.0387097 |
| 7 (1/10/2022) | 4.1 (2/6/2014) | (7 - 4.1)/(37 - 5) | 0.090625 |
| 5.3 (4/7/2022) | 4.1 (2/6/2014) | (5.3 - 4.1)/(38 - 5) | 0.0363636 |
| 44.4 (8/3/2022) | 4.1 (2/6/2014) | (44.4 - 4.1)/(39 - 5) | 1.18529 |
| 5.5 (11/16/2022) | 4.1 (2/6/2014) | (5.5 - 4.1)/(40 - 5) | 0.04 |
| 2.5 (2/13/2023) | 4.1 (2/6/2014) | (2.5 - 4.1)/(41 - 5) | -0.0444444 |
| 3.73 (5/24/2023) | 4.1 (2/6/2014) | (3.73 - 4.1)/(42 - 5) | -0.01 |
| 4 (8/7/2023) | 4.1 (2/6/2014) | (4 - 4.1)/(43 - 5) | -0.00263158 |
| 5.5 (12/12/2023) | 4.1 (2/6/2014) | (5.5 - 4.1)/(44 - 5) | 0.0358974 |
| 6.71 (1/10/2024) | 4.1 (2/6/2014) | (6.71 - 4.1)/(45 - 5) | 0.06525 |
| 32.7 (5/20/2024) | 4.1 (2/6/2014) | (32.7 - 4.1)/(46 - 5) | 0.697561 |
| 14.8 (9/16/2024) | 4.1 (2/6/2014) | (14.8 - 4.1)/(47 - 5) | 0.254762 |
| 7.5 (12/11/2024) | 4.1 (2/6/2014) | (7.5 - 4.1)/(48 - 5) | 0.0790698 |
| 20 (2/18/2025) | 4.1 (2/6/2014) | (20 - 4.1)/(49 - 5) | 0.361364 |
| | | | |
| 12 (9/30/2014) | 5.4 (6/26/2014) | (12 - 5.4)/(7 - 6) | 6.6 |
| 4.8 (11/19/2014) | 5.4 (6/26/2014) | (4.8 - 5.4)/(8 - 6) | -0.3 |
| 7.6 (3/23/2015) | 5.4 (6/26/2014) | (7.6 - 5.4)/(9 - 6) | 0.733333 |
| 10 (4/22/2015) | 5.4 (6/26/2014) | (10 - 5.4)/(10 - 6) | 1.15 |
| 9 (9/30/2015) | 5.4 (6/26/2014) | (9 - 5.4)/(11 - 6) | 0.72 |
| 4.8 (11/19/2015) | 5.4 (6/26/2014) | (4.8 - 5.4)/(12 - 6) | -0.1 |
| 4.7 (3/15/2016) | 5.4 (6/26/2014) | (4.7 - 5.4)/(13 - 6) | -0.1 |
| 9.8 (6/29/2016) | 5.4 (6/26/2014) | (9.8 - 5.4)/(14 - 6) | 0.55 |
| 24 (8/9/2016) | 5.4 (6/26/2014) | (24 - 5.4)/(15 - 6) | 2.06667 |
| 3.6 (12/7/2016) | 5.4 (6/26/2014) | (3.6 - 5.4)/(16 - 6) | -0.18 |
| 4.6 (3/2/2017) | 5.4 (6/26/2014) | (4.6 - 5.4)/(17 - 6) | -0.0727273 |
| 12.8 (6/21/2017) | 5.4 (6/26/2014) | (12.8 - 5.4)/(18 - 6) | 0.616667 |
| 18.6 (8/17/2017) | 5.4 (6/26/2014) | (18.6 - 5.4)/(19 - 6) | 1.01538 |
| 7.2 (10/26/2017) | 5.4 (6/26/2014) | (7.2 - 5.4)/(20 - 6) | 0.128571 |
| 16.2 (3/27/2018) | 5.4 (6/26/2014) | (16.2 - 5.4)/(21 - 6) | 0.72 |
| 10.2 (6/26/2018) | 5.4 (6/26/2014) | (10.2 - 5.4)/(22 - 6) | 0.3 |
| 20.2 (8/1/2018) | 5.4 (6/26/2014) | (20.2 - 5.4)/(23 - 6) | 0.870588 |
| 8.6 (12/11/2018) | 5.4 (6/26/2014) | (8.6 - 5.4)/(24 - 6) | 0.177778 |
| 6.8 (4/17/2019) | 5.4 (6/26/2014) | (6.8 - 5.4)/(25 - 6) | 0.0736842 |
| ND<6.25 U (6/11/2019) | 5.4 (6/26/2014) | (6.25 - 5.4)/(26 - 6) | 0.0425 |
| 24.4 (8/28/2019) | 5.4 (6/26/2014) | (24.4 - 5.4)/(27 - 6) | 0.904762 |
| 3.7 (10/28/2019) | 5.4 (6/26/2014) | (3.7 - 5.4)/(28 - 6) | -0.0772727 |
| 92 (3/31/2020) | 5.4 (6/26/2014) | (92 - 5.4)/(29 - 6) | 3.76522 |
| 21.2 (6/10/2020) | 5.4 (6/26/2014) | (21.2 - 5.4)/(30 - 6) | 0.658333 |
| 7.8 (9/21/2020) | 5.4 (6/26/2014) | (7.8 - 5.4)/(31 - 6) | 0.096 |
| 5.3 (12/17/2020) | 5.4 (6/26/2014) | (5.3 - 5.4)/(32 - 6) | -0.00384615 |
| 16.5 (3/18/2021) | 5.4 (6/26/2014) | (16.5 - 5.4)/(33 - 6) | 0.411111 |
| 10.5 (5/5/2021) | 5.4 (6/26/2014) | (10.5 - 5.4)/(34 - 6) | 0.182143 |
| 13.4 (9/2/2021) | 5.4 (6/26/2014) | (13.4 - 5.4)/(35 - 6) | 0.275862 |
| 5.3 (11/23/2021) | 5.4 (6/26/2014) | (5.3 - 5.4)/(36 - 6) | -0.00333333 |
| 7 (1/10/2022) | 5.4 (6/26/2014) | (7 - 5.4)/(37 - 6) | 0.0516129 |
| 5.3 (4/7/2022) | 5.4 (6/26/2014) | (5.3 - 5.4)/(38 - 6) | -0.003125 |
| 44.4 (8/3/2022) | 5.4 (6/26/2014) | (44.4 - 5.4)/(39 - 6) | 1.18182 |
| 5.5 (11/16/2022) | 5.4 (6/26/2014) | (5.5 - 5.4)/(40 - 6) | 0.00294118 |
| 2.5 (2/13/2023) | 5.4 (6/26/2014) | (2.5 - 5.4)/(41 - 6) | -0.0828571 |
| 3.73 (5/24/2023) | 5.4 (6/26/2014) | (3.73 - 5.4)/(42 - 6) | -0.0463889 |
| 4 (8/7/2023) | 5.4 (6/26/2014) | (4 - 5.4)/(43 - 6) | -0.0378378 |
| 5.5 (12/12/2023) | 5.4 (6/26/2014) | (5.5 - 5.4)/(44 - 6) | 0.00263158 |
| 6.71 (1/10/2024) | 5.4 (6/26/2014) | (6.71 - 5.4)/(45 - 6) | 0.0335897 |
| 32.7 (5/20/2024) | 5.4 (6/26/2014) | (32.7 - 5.4)/(46 - 6) | 0.6825 |
| 14.8 (9/16/2024) | 5.4 (6/26/2014) | (14.8 - 5.4)/(47 - 6) | 0.229268 |

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|---|---|---|---|
| 7.5 (12/11/2024) | 5.4 (6/26/2014) | (7.5 - 5.4)/(48 - 6) | 0.05 |
| 20 (2/18/2025) | 5.4 (6/26/2014) | (20 - 5.4)/(49 - 6) | 0.339535 |
| | | | |
| 4.8 (11/19/2014) | 12 (9/30/2014) | (4.8 - 12)/(8 - 7) | -7.2 |
| 7.6 (3/23/2015) | 12 (9/30/2014) | (7.6 - 12)/(9 - 7) | -2.2 |
| 10 (4/22/2015) | 12 (9/30/2014) | (10 - 12)/(10 - 7) | -0.666667 |
| 9 (9/30/2015) | 12 (9/30/2014) | (9 - 12)/(11 - 7) | -0.75 |
| 4.8 (11/19/2015) | 12 (9/30/2014) | (4.8 - 12)/(12 - 7) | -1.44 |
| 4.7 (3/15/2016) | 12 (9/30/2014) | (4.7 - 12)/(13 - 7) | -1.21667 |
| 9.8 (6/29/2016) | 12 (9/30/2014) | (9.8 - 12)/(14 - 7) | -0.314286 |
| 24 (8/9/2016) | 12 (9/30/2014) | (24 - 12)/(15 - 7) | 1.5 |
| 3.6 (12/7/2016) | 12 (9/30/2014) | (3.6 - 12)/(16 - 7) | -0.933333 |
| 4.6 (3/2/2017) | 12 (9/30/2014) | (4.6 - 12)/(17 - 7) | -0.74 |
| 12.8 (6/21/2017) | 12 (9/30/2014) | (12.8 - 12)/(18 - 7) | 0.0727273 |
| 18.6 (8/17/2017) | 12 (9/30/2014) | (18.6 - 12)/(19 - 7) | 0.55 |
| 7.2 (10/26/2017) | 12 (9/30/2014) | (7.2 - 12)/(20 - 7) | -0.369231 |
| 16.2 (3/27/2018) | 12 (9/30/2014) | (16.2 - 12)/(21 - 7) | 0.3 |
| 10.2 (6/26/2018) | 12 (9/30/2014) | (10.2 - 12)/(22 - 7) | -0.12 |
| 20.2 (8/1/2018) | 12 (9/30/2014) | (20.2 - 12)/(23 - 7) | 0.5125 |
| 8.6 (12/11/2018) | 12 (9/30/2014) | (8.6 - 12)/(24 - 7) | -0.2 |
| 6.8 (4/17/2019) | 12 (9/30/2014) | (6.8 - 12)/(25 - 7) | -0.288889 |
| ND<6.25 U (6/11/2019) | 12 (9/30/2014) | (6.25 - 12)/(26 - 7) | -0.302632 |
| 24.4 (8/28/2019) | 12 (9/30/2014) | (24.4 - 12)/(27 - 7) | 0.62 |
| 3.7 (10/28/2019) | 12 (9/30/2014) | (3.7 - 12)/(28 - 7) | -0.395238 |
| 92 (3/31/2020) | 12 (9/30/2014) | (92 - 12)/(29 - 7) | 3.63636 |
| 21.2 (6/10/2020) | 12 (9/30/2014) | (21.2 - 12)/(30 - 7) | 0.4 |
| 7.8 (9/21/2020) | 12 (9/30/2014) | (7.8 - 12)/(31 - 7) | -0.175 |
| 5.3 (12/17/2020) | 12 (9/30/2014) | (5.3 - 12)/(32 - 7) | -0.268 |
| 16.5 (3/18/2021) | 12 (9/30/2014) | (16.5 - 12)/(33 - 7) | 0.173077 |
| 10.5 (5/5/2021) | 12 (9/30/2014) | (10.5 - 12)/(34 - 7) | -0.0555556 |
| 13.4 (9/2/2021) | 12 (9/30/2014) | (13.4 - 12)/(35 - 7) | 0.05 |
| 5.3 (11/23/2021) | 12 (9/30/2014) | (5.3 - 12)/(36 - 7) | -0.231034 |
| 7 (1/10/2022) | 12 (9/30/2014) | (7 - 12)/(37 - 7) | -0.166667 |
| 5.3 (4/7/2022) | 12 (9/30/2014) | (5.3 - 12)/(38 - 7) | -0.216129 |
| 44.4 (8/3/2022) | 12 (9/30/2014) | (44.4 - 12)/(39 - 7) | 1.0125 |
| 5.5 (11/16/2022) | 12 (9/30/2014) | (5.5 - 12)/(40 - 7) | -0.19697 |
| 2.5 (2/13/2023) | 12 (9/30/2014) | (2.5 - 12)/(41 - 7) | -0.279412 |
| 3.73 (5/24/2023) | 12 (9/30/2014) | (3.73 - 12)/(42 - 7) | -0.236286 |
| 4 (8/7/2023) | 12 (9/30/2014) | (4 - 12)/(43 - 7) | -0.222222 |
| 5.5 (12/12/2023) | 12 (9/30/2014) | (5.5 - 12)/(44 - 7) | -0.175676 |
| 6.71 (1/10/2024) | 12 (9/30/2014) | (6.71 - 12)/(45 - 7) | -0.139211 |
| 32.7 (5/20/2024) | 12 (9/30/2014) | (32.7 - 12)/(46 - 7) | 0.530769 |
| 14.8 (9/16/2024) | 12 (9/30/2014) | (14.8 - 12)/(47 - 7) | 0.07 |
| 7.5 (12/11/2024) | 12 (9/30/2014) | (7.5 - 12)/(48 - 7) | -0.109756 |
| 20 (2/18/2025) | 12 (9/30/2014) | (20 - 12)/(49 - 7) | 0.190476 |
| | | | |
| 7.6 (3/23/2015) | 4.8 (11/19/2014) | (7.6 - 4.8)/(9 - 8) | 2.8 |
| 10 (4/22/2015) | 4.8 (11/19/2014) | (10 - 4.8)/(10 - 8) | 2.6 |
| 9 (9/30/2015) | 4.8 (11/19/2014) | (9 - 4.8)/(11 - 8) | 1.4 |
| 4.8 (11/19/2015) | 4.8 (11/19/2014) | (4.8 - 4.8)/(12 - 8) | 0 |
| 4.7 (3/15/2016) | 4.8 (11/19/2014) | (4.7 - 4.8)/(13 - 8) | -0.02 |
| 9.8 (6/29/2016) | 4.8 (11/19/2014) | (9.8 - 4.8)/(14 - 8) | 0.833333 |
| 24 (8/9/2016) | 4.8 (11/19/2014) | (24 - 4.8)/(15 - 8) | 2.74286 |
| 3.6 (12/7/2016) | 4.8 (11/19/2014) | (3.6 - 4.8)/(16 - 8) | -0.15 |
| 4.6 (3/2/2017) | 4.8 (11/19/2014) | (4.6 - 4.8)/(17 - 8) | -0.0222222 |
| 12.8 (6/21/2017) | 4.8 (11/19/2014) | (12.8 - 4.8)/(18 - 8) | 0.8 |
| 18.6 (8/17/2017) | 4.8 (11/19/2014) | (18.6 - 4.8)/(19 - 8) | 1.25455 |

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|---|---|---|---|
| 7.2 (10/26/2017) | 4.8 (11/19/2014) | (7.2 - 4.8)/(20 - 8) | 0.2 |
| 16.2 (3/27/2018) | 4.8 (11/19/2014) | (16.2 - 4.8)/(21 - 8) | 0.876923 |
| 10.2 (6/26/2018) | 4.8 (11/19/2014) | (10.2 - 4.8)/(22 - 8) | 0.385714 |
| 20.2 (8/1/2018) | 4.8 (11/19/2014) | (20.2 - 4.8)/(23 - 8) | 1.02667 |
| 8.6 (12/11/2018) | 4.8 (11/19/2014) | (8.6 - 4.8)/(24 - 8) | 0.2375 |
| 6.8 (4/17/2019) | 4.8 (11/19/2014) | (6.8 - 4.8)/(25 - 8) | 0.117647 |
| ND<6.25 U (6/11/2019) | 4.8 (11/19/2014) | (6.25 - 4.8)/(26 - 8) | 0.0805556 |
| 24.4 (8/28/2019) | 4.8 (11/19/2014) | (24.4 - 4.8)/(27 - 8) | 1.03158 |
| 3.7 (10/28/2019) | 4.8 (11/19/2014) | (3.7 - 4.8)/(28 - 8) | -0.055 |
| 92 (3/31/2020) | 4.8 (11/19/2014) | (92 - 4.8)/(29 - 8) | 4.15238 |
| 21.2 (6/10/2020) | 4.8 (11/19/2014) | (21.2 - 4.8)/(30 - 8) | 0.745455 |
| 7.8 (9/21/2020) | 4.8 (11/19/2014) | (7.8 - 4.8)/(31 - 8) | 0.130435 |
| 5.3 (12/17/2020) | 4.8 (11/19/2014) | (5.3 - 4.8)/(32 - 8) | 0.0208333 |
| 16.5 (3/18/2021) | 4.8 (11/19/2014) | (16.5 - 4.8)/(33 - 8) | 0.468 |
| 10.5 (5/5/2021) | 4.8 (11/19/2014) | (10.5 - 4.8)/(34 - 8) | 0.219231 |
| 13.4 (9/2/2021) | 4.8 (11/19/2014) | (13.4 - 4.8)/(35 - 8) | 0.318519 |
| 5.3 (11/23/2021) | 4.8 (11/19/2014) | (5.3 - 4.8)/(36 - 8) | 0.0178571 |
| 7 (1/10/2022) | 4.8 (11/19/2014) | (7 - 4.8)/(37 - 8) | 0.0758621 |
| 5.3 (4/7/2022) | 4.8 (11/19/2014) | (5.3 - 4.8)/(38 - 8) | 0.0166667 |
| 44.4 (8/3/2022) | 4.8 (11/19/2014) | (44.4 - 4.8)/(39 - 8) | 1.27742 |
| 5.5 (11/16/2022) | 4.8 (11/19/2014) | (5.5 - 4.8)/(40 - 8) | 0.021875 |
| 2.5 (2/13/2023) | 4.8 (11/19/2014) | (2.5 - 4.8)/(41 - 8) | -0.069697 |
| 3.73 (5/24/2023) | 4.8 (11/19/2014) | (3.73 - 4.8)/(42 - 8) | -0.0314706 |
| 4 (8/7/2023) | 4.8 (11/19/2014) | (4 - 4.8)/(43 - 8) | -0.0228571 |
| 5.5 (12/12/2023) | 4.8 (11/19/2014) | (5.5 - 4.8)/(44 - 8) | 0.0194444 |
| 6.71 (1/10/2024) | 4.8 (11/19/2014) | (6.71 - 4.8)/(45 - 8) | 0.0516216 |
| 32.7 (5/20/2024) | 4.8 (11/19/2014) | (32.7 - 4.8)/(46 - 8) | 0.734211 |
| 14.8 (9/16/2024) | 4.8 (11/19/2014) | (14.8 - 4.8)/(47 - 8) | 0.25641 |
| 7.5 (12/11/2024) | 4.8 (11/19/2014) | (7.5 - 4.8)/(48 - 8) | 0.0675 |
| 20 (2/18/2025) | 4.8 (11/19/2014) | (20 - 4.8)/(49 - 8) | 0.370732 |
| | | | |
| 10 (4/22/2015) | 7.6 (3/23/2015) | (10 - 7.6)/(10 - 9) | 2.4 |
| 9 (9/30/2015) | 7.6 (3/23/2015) | (9 - 7.6)/(11 - 9) | 0.7 |
| 4.8 (11/19/2015) | 7.6 (3/23/2015) | (4.8 - 7.6)/(12 - 9) | -0.933333 |
| 4.7 (3/15/2016) | 7.6 (3/23/2015) | (4.7 - 7.6)/(13 - 9) | -0.725 |
| 9.8 (6/29/2016) | 7.6 (3/23/2015) | (9.8 - 7.6)/(14 - 9) | 0.44 |
| 24 (8/9/2016) | 7.6 (3/23/2015) | (24 - 7.6)/(15 - 9) | 2.73333 |
| 3.6 (12/7/2016) | 7.6 (3/23/2015) | (3.6 - 7.6)/(16 - 9) | -0.571429 |
| 4.6 (3/2/2017) | 7.6 (3/23/2015) | (4.6 - 7.6)/(17 - 9) | -0.375 |
| 12.8 (6/21/2017) | 7.6 (3/23/2015) | (12.8 - 7.6)/(18 - 9) | 0.577778 |
| 18.6 (8/17/2017) | 7.6 (3/23/2015) | (18.6 - 7.6)/(19 - 9) | 1.1 |
| 7.2 (10/26/2017) | 7.6 (3/23/2015) | (7.2 - 7.6)/(20 - 9) | -0.0363636 |
| 16.2 (3/27/2018) | 7.6 (3/23/2015) | (16.2 - 7.6)/(21 - 9) | 0.716667 |
| 10.2 (6/26/2018) | 7.6 (3/23/2015) | (10.2 - 7.6)/(22 - 9) | 0.2 |
| 20.2 (8/1/2018) | 7.6 (3/23/2015) | (20.2 - 7.6)/(23 - 9) | 0.9 |
| 8.6 (12/11/2018) | 7.6 (3/23/2015) | (8.6 - 7.6)/(24 - 9) | 0.0666667 |
| 6.8 (4/17/2019) | 7.6 (3/23/2015) | (6.8 - 7.6)/(25 - 9) | -0.05 |
| ND<6.25 U (6/11/2019) | 7.6 (3/23/2015) | (6.25 - 7.6)/(26 - 9) | -0.0794118 |
| 24.4 (8/28/2019) | 7.6 (3/23/2015) | (24.4 - 7.6)/(27 - 9) | 0.933333 |
| 3.7 (10/28/2019) | 7.6 (3/23/2015) | (3.7 - 7.6)/(28 - 9) | -0.205263 |
| 92 (3/31/2020) | 7.6 (3/23/2015) | (92 - 7.6)/(29 - 9) | 4.22 |
| 21.2 (6/10/2020) | 7.6 (3/23/2015) | (21.2 - 7.6)/(30 - 9) | 0.647619 |
| 7.8 (9/21/2020) | 7.6 (3/23/2015) | (7.8 - 7.6)/(31 - 9) | 0.00909091 |
| 5.3 (12/17/2020) | 7.6 (3/23/2015) | (5.3 - 7.6)/(32 - 9) | -0.1 |
| 16.5 (3/18/2021) | 7.6 (3/23/2015) | (16.5 - 7.6)/(33 - 9) | 0.370833 |
| 10.5 (5/5/2021) | 7.6 (3/23/2015) | (10.5 - 7.6)/(34 - 9) | 0.116 |
| 13.4 (9/2/2021) | 7.6 (3/23/2015) | (13.4 - 7.6)/(35 - 9) | 0.223077 |

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|---|---|---|---|
| 5.3 (11/23/2021) | 7.6 (3/23/2015) | (5.3 - 7.6)/(36 - 9) | -0.0851852 |
| 7 (1/10/2022) | 7.6 (3/23/2015) | (7 - 7.6)/(37 - 9) | -0.0214286 |
| 5.3 (4/7/2022) | 7.6 (3/23/2015) | (5.3 - 7.6)/(38 - 9) | -0.0793103 |
| 44.4 (8/3/2022) | 7.6 (3/23/2015) | (44.4 - 7.6)/(39 - 9) | 1.22667 |
| 5.5 (11/16/2022) | 7.6 (3/23/2015) | (5.5 - 7.6)/(40 - 9) | -0.0677419 |
| 2.5 (2/13/2023) | 7.6 (3/23/2015) | (2.5 - 7.6)/(41 - 9) | -0.159375 |
| 3.73 (5/24/2023) | 7.6 (3/23/2015) | (3.73 - 7.6)/(42 - 9) | -0.117273 |
| 4 (8/7/2023) | 7.6 (3/23/2015) | (4 - 7.6)/(43 - 9) | -0.105882 |
| 5.5 (12/12/2023) | 7.6 (3/23/2015) | (5.5 - 7.6)/(44 - 9) | -0.06 |
| 6.71 (1/10/2024) | 7.6 (3/23/2015) | (6.71 - 7.6)/(45 - 9) | -0.0247222 |
| 32.7 (5/20/2024) | 7.6 (3/23/2015) | (32.7 - 7.6)/(46 - 9) | 0.678378 |
| 14.8 (9/16/2024) | 7.6 (3/23/2015) | (14.8 - 7.6)/(47 - 9) | 0.189474 |
| 7.5 (12/11/2024) | 7.6 (3/23/2015) | (7.5 - 7.6)/(48 - 9) | -0.0025641 |
| 20 (2/18/2025) | 7.6 (3/23/2015) | (20 - 7.6)/(49 - 9) | 0.31 |
| | | | |
| 9 (9/30/2015) | 10 (4/22/2015) | (9 - 10)/(11 - 10) | -1 |
| 4.8 (11/19/2015) | 10 (4/22/2015) | (4.8 - 10)/(12 - 10) | -2.6 |
| 4.7 (3/15/2016) | 10 (4/22/2015) | (4.7 - 10)/(13 - 10) | -1.76667 |
| 9.8 (6/29/2016) | 10 (4/22/2015) | (9.8 - 10)/(14 - 10) | -0.05 |
| 24 (8/9/2016) | 10 (4/22/2015) | (24 - 10)/(15 - 10) | 2.8 |
| 3.6 (12/7/2016) | 10 (4/22/2015) | (3.6 - 10)/(16 - 10) | -1.06667 |
| 4.6 (3/2/2017) | 10 (4/22/2015) | (4.6 - 10)/(17 - 10) | -0.771429 |
| 12.8 (6/21/2017) | 10 (4/22/2015) | (12.8 - 10)/(18 - 10) | 0.35 |
| 18.6 (8/17/2017) | 10 (4/22/2015) | (18.6 - 10)/(19 - 10) | 0.955556 |
| 7.2 (10/26/2017) | 10 (4/22/2015) | (7.2 - 10)/(20 - 10) | -0.28 |
| 16.2 (3/27/2018) | 10 (4/22/2015) | (16.2 - 10)/(21 - 10) | 0.563636 |
| 10.2 (6/26/2018) | 10 (4/22/2015) | (10.2 - 10)/(22 - 10) | 0.0166667 |
| 20.2 (8/1/2018) | 10 (4/22/2015) | (20.2 - 10)/(23 - 10) | 0.784615 |
| 8.6 (12/11/2018) | 10 (4/22/2015) | (8.6 - 10)/(24 - 10) | -0.1 |
| 6.8 (4/17/2019) | 10 (4/22/2015) | (6.8 - 10)/(25 - 10) | -0.213333 |
| ND<6.25 U (6/11/2019) | 10 (4/22/2015) | (6.25 - 10)/(26 - 10) | -0.234375 |
| 24.4 (8/28/2019) | 10 (4/22/2015) | (24.4 - 10)/(27 - 10) | 0.847059 |
| 3.7 (10/28/2019) | 10 (4/22/2015) | (3.7 - 10)/(28 - 10) | -0.35 |
| 92 (3/31/2020) | 10 (4/22/2015) | (92 - 10)/(29 - 10) | 4.31579 |
| 21.2 (6/10/2020) | 10 (4/22/2015) | (21.2 - 10)/(30 - 10) | 0.56 |
| 7.8 (9/21/2020) | 10 (4/22/2015) | (7.8 - 10)/(31 - 10) | -0.104762 |
| 5.3 (12/17/2020) | 10 (4/22/2015) | (5.3 - 10)/(32 - 10) | -0.213636 |
| 16.5 (3/18/2021) | 10 (4/22/2015) | (16.5 - 10)/(33 - 10) | 0.282609 |
| 10.5 (5/5/2021) | 10 (4/22/2015) | (10.5 - 10)/(34 - 10) | 0.0208333 |
| 13.4 (9/2/2021) | 10 (4/22/2015) | (13.4 - 10)/(35 - 10) | 0.136 |
| 5.3 (11/23/2021) | 10 (4/22/2015) | (5.3 - 10)/(36 - 10) | -0.180769 |
| 7 (1/10/2022) | 10 (4/22/2015) | (7 - 10)/(37 - 10) | -0.111111 |
| 5.3 (4/7/2022) | 10 (4/22/2015) | (5.3 - 10)/(38 - 10) | -0.167857 |
| 44.4 (8/3/2022) | 10 (4/22/2015) | (44.4 - 10)/(39 - 10) | 1.18621 |
| 5.5 (11/16/2022) | 10 (4/22/2015) | (5.5 - 10)/(40 - 10) | -0.15 |
| 2.5 (2/13/2023) | 10 (4/22/2015) | (2.5 - 10)/(41 - 10) | -0.241935 |
| 3.73 (5/24/2023) | 10 (4/22/2015) | (3.73 - 10)/(42 - 10) | -0.195937 |
| 4 (8/7/2023) | 10 (4/22/2015) | (4 - 10)/(43 - 10) | -0.181818 |
| 5.5 (12/12/2023) | 10 (4/22/2015) | (5.5 - 10)/(44 - 10) | -0.132353 |
| 6.71 (1/10/2024) | 10 (4/22/2015) | (6.71 - 10)/(45 - 10) | -0.094 |
| 32.7 (5/20/2024) | 10 (4/22/2015) | (32.7 - 10)/(46 - 10) | 0.630556 |
| 14.8 (9/16/2024) | 10 (4/22/2015) | (14.8 - 10)/(47 - 10) | 0.12973 |
| 7.5 (12/11/2024) | 10 (4/22/2015) | (7.5 - 10)/(48 - 10) | -0.0657895 |
| 20 (2/18/2025) | 10 (4/22/2015) | (20 - 10)/(49 - 10) | 0.25641 |
| | | | |
| 4.8 (11/19/2015) | 9 (9/30/2015) | (4.8 - 9)/(12 - 11) | -4.2 |
| 4.7 (3/15/2016) | 9 (9/30/2015) | (4.7 - 9)/(13 - 11) | -2.15 |

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| 9.8 (6/29/2016) | 9 (9/30/2015) | (9.8 - 9)/(14 - 11) | 0.266667 |
| 24 (8/9/2016) | 9 (9/30/2015) | (24 - 9)/(15 - 11) | 3.75 |
| 3.6 (12/7/2016) | 9 (9/30/2015) | (3.6 - 9)/(16 - 11) | -1.08 |
| 4.6 (3/2/2017) | 9 (9/30/2015) | (4.6 - 9)/(17 - 11) | -0.733333 |
| 12.8 (6/21/2017) | 9 (9/30/2015) | (12.8 - 9)/(18 - 11) | 0.542857 |
| 18.6 (8/17/2017) | 9 (9/30/2015) | (18.6 - 9)/(19 - 11) | 1.2 |
| 7.2 (10/26/2017) | 9 (9/30/2015) | (7.2 - 9)/(20 - 11) | -0.2 |
| 16.2 (3/27/2018) | 9 (9/30/2015) | (16.2 - 9)/(21 - 11) | 0.72 |
| 10.2 (6/26/2018) | 9 (9/30/2015) | (10.2 - 9)/(22 - 11) | 0.109091 |
| 20.2 (8/1/2018) | 9 (9/30/2015) | (20.2 - 9)/(23 - 11) | 0.933333 |
| 8.6 (12/11/2018) | 9 (9/30/2015) | (8.6 - 9)/(24 - 11) | -0.0307692 |
| 6.8 (4/17/2019) | 9 (9/30/2015) | (6.8 - 9)/(25 - 11) | -0.157143 |
| ND<6.25 U (6/11/2019) | 9 (9/30/2015) | (6.25 - 9)/(26 - 11) | -0.183333 |
| 24.4 (8/28/2019) | 9 (9/30/2015) | (24.4 - 9)/(27 - 11) | 0.9625 |
| 3.7 (10/28/2019) | 9 (9/30/2015) | (3.7 - 9)/(28 - 11) | -0.311765 |
| 92 (3/31/2020) | 9 (9/30/2015) | (92 - 9)/(29 - 11) | 4.61111 |
| 21.2 (6/10/2020) | 9 (9/30/2015) | (21.2 - 9)/(30 - 11) | 0.642105 |
| 7.8 (9/21/2020) | 9 (9/30/2015) | (7.8 - 9)/(31 - 11) | -0.06 |
| 5.3 (12/17/2020) | 9 (9/30/2015) | (5.3 - 9)/(32 - 11) | -0.17619 |
| 16.5 (3/18/2021) | 9 (9/30/2015) | (16.5 - 9)/(33 - 11) | 0.340909 |
| 10.5 (5/5/2021) | 9 (9/30/2015) | (10.5 - 9)/(34 - 11) | 0.0652174 |
| 13.4 (9/2/2021) | 9 (9/30/2015) | (13.4 - 9)/(35 - 11) | 0.183333 |
| 5.3 (11/23/2021) | 9 (9/30/2015) | (5.3 - 9)/(36 - 11) | -0.148 |
| 7 (1/10/2022) | 9 (9/30/2015) | (7 - 9)/(37 - 11) | -0.0769231 |
| 5.3 (4/7/2022) | 9 (9/30/2015) | (5.3 - 9)/(38 - 11) | -0.137037 |
| 44.4 (8/3/2022) | 9 (9/30/2015) | (44.4 - 9)/(39 - 11) | 1.26429 |
| 5.5 (11/16/2022) | 9 (9/30/2015) | (5.5 - 9)/(40 - 11) | -0.12069 |
| 2.5 (2/13/2023) | 9 (9/30/2015) | (2.5 - 9)/(41 - 11) | -0.216667 |
| 3.73 (5/24/2023) | 9 (9/30/2015) | (3.73 - 9)/(42 - 11) | -0.17 |
| 4 (8/7/2023) | 9 (9/30/2015) | (4 - 9)/(43 - 11) | -0.15625 |
| 5.5 (12/12/2023) | 9 (9/30/2015) | (5.5 - 9)/(44 - 11) | -0.106061 |
| 6.71 (1/10/2024) | 9 (9/30/2015) | (6.71 - 9)/(45 - 11) | -0.0673529 |
| 32.7 (5/20/2024) | 9 (9/30/2015) | (32.7 - 9)/(46 - 11) | 0.677143 |
| 14.8 (9/16/2024) | 9 (9/30/2015) | (14.8 - 9)/(47 - 11) | 0.161111 |
| 7.5 (12/11/2024) | 9 (9/30/2015) | (7.5 - 9)/(48 - 11) | -0.0405405 |
| 20 (2/18/2025) | 9 (9/30/2015) | (20 - 9)/(49 - 11) | 0.289474 |

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|---|---|---|---|
| 4.7 (3/15/2016) | 4.8 (11/19/2015) | (4.7 - 4.8)/(13 - 12) | -0.1 |
| 9.8 (6/29/2016) | 4.8 (11/19/2015) | (9.8 - 4.8)/(14 - 12) | 2.5 |
| 24 (8/9/2016) | 4.8 (11/19/2015) | (24 - 4.8)/(15 - 12) | 6.4 |
| 3.6 (12/7/2016) | 4.8 (11/19/2015) | (3.6 - 4.8)/(16 - 12) | -0.3 |
| 4.6 (3/2/2017) | 4.8 (11/19/2015) | (4.6 - 4.8)/(17 - 12) | -0.04 |
| 12.8 (6/21/2017) | 4.8 (11/19/2015) | (12.8 - 4.8)/(18 - 12) | 1.33333 |
| 18.6 (8/17/2017) | 4.8 (11/19/2015) | (18.6 - 4.8)/(19 - 12) | 1.97143 |
| 7.2 (10/26/2017) | 4.8 (11/19/2015) | (7.2 - 4.8)/(20 - 12) | 0.3 |
| 16.2 (3/27/2018) | 4.8 (11/19/2015) | (16.2 - 4.8)/(21 - 12) | 1.26667 |
| 10.2 (6/26/2018) | 4.8 (11/19/2015) | (10.2 - 4.8)/(22 - 12) | 0.54 |
| 20.2 (8/1/2018) | 4.8 (11/19/2015) | (20.2 - 4.8)/(23 - 12) | 1.4 |
| 8.6 (12/11/2018) | 4.8 (11/19/2015) | (8.6 - 4.8)/(24 - 12) | 0.316667 |
| 6.8 (4/17/2019) | 4.8 (11/19/2015) | (6.8 - 4.8)/(25 - 12) | 0.153846 |
| ND<6.25 U (6/11/2019) | 4.8 (11/19/2015) | (6.25 - 4.8)/(26 - 12) | 0.103571 |
| 24.4 (8/28/2019) | 4.8 (11/19/2015) | (24.4 - 4.8)/(27 - 12) | 1.30667 |
| 3.7 (10/28/2019) | 4.8 (11/19/2015) | (3.7 - 4.8)/(28 - 12) | -0.06875 |
| 92 (3/31/2020) | 4.8 (11/19/2015) | (92 - 4.8)/(29 - 12) | 5.12941 |
| 21.2 (6/10/2020) | 4.8 (11/19/2015) | (21.2 - 4.8)/(30 - 12) | 0.911111 |
| 7.8 (9/21/2020) | 4.8 (11/19/2015) | (7.8 - 4.8)/(31 - 12) | 0.157895 |
| 5.3 (12/17/2020) | 4.8 (11/19/2015) | (5.3 - 4.8)/(32 - 12) | 0.025 |

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| 16.5 (3/18/2021) | 4.8 (11/19/2015) | (16.5 - 4.8)/(33 - 12) | 0.557143 |
| 10.5 (5/5/2021) | 4.8 (11/19/2015) | (10.5 - 4.8)/(34 - 12) | 0.259091 |
| 13.4 (9/2/2021) | 4.8 (11/19/2015) | (13.4 - 4.8)/(35 - 12) | 0.373913 |
| 5.3 (11/23/2021) | 4.8 (11/19/2015) | (5.3 - 4.8)/(36 - 12) | 0.0208333 |
| 7 (1/10/2022) | 4.8 (11/19/2015) | (7 - 4.8)/(37 - 12) | 0.088 |
| 5.3 (4/7/2022) | 4.8 (11/19/2015) | (5.3 - 4.8)/(38 - 12) | 0.0192308 |
| 44.4 (8/3/2022) | 4.8 (11/19/2015) | (44.4 - 4.8)/(39 - 12) | 1.46667 |
| 5.5 (11/16/2022) | 4.8 (11/19/2015) | (5.5 - 4.8)/(40 - 12) | 0.025 |
| 2.5 (2/13/2023) | 4.8 (11/19/2015) | (2.5 - 4.8)/(41 - 12) | -0.0793103 |
| 3.73 (5/24/2023) | 4.8 (11/19/2015) | (3.73 - 4.8)/(42 - 12) | -0.0356667 |
| 4 (8/7/2023) | 4.8 (11/19/2015) | (4 - 4.8)/(43 - 12) | -0.0258065 |
| 5.5 (12/12/2023) | 4.8 (11/19/2015) | (5.5 - 4.8)/(44 - 12) | 0.021875 |
| 6.71 (1/10/2024) | 4.8 (11/19/2015) | (6.71 - 4.8)/(45 - 12) | 0.0578788 |
| 32.7 (5/20/2024) | 4.8 (11/19/2015) | (32.7 - 4.8)/(46 - 12) | 0.820588 |
| 14.8 (9/16/2024) | 4.8 (11/19/2015) | (14.8 - 4.8)/(47 - 12) | 0.285714 |
| 7.5 (12/11/2024) | 4.8 (11/19/2015) | (7.5 - 4.8)/(48 - 12) | 0.075 |
| 20 (2/18/2025) | 4.8 (11/19/2015) | (20 - 4.8)/(49 - 12) | 0.410811 |
| | | | |
| 9.8 (6/29/2016) | 4.7 (3/15/2016) | (9.8 - 4.7)/(14 - 13) | 5.1 |
| 24 (8/9/2016) | 4.7 (3/15/2016) | (24 - 4.7)/(15 - 13) | 9.65 |
| 3.6 (12/7/2016) | 4.7 (3/15/2016) | (3.6 - 4.7)/(16 - 13) | -0.366667 |
| 4.6 (3/2/2017) | 4.7 (3/15/2016) | (4.6 - 4.7)/(17 - 13) | -0.025 |
| 12.8 (6/21/2017) | 4.7 (3/15/2016) | (12.8 - 4.7)/(18 - 13) | 1.62 |
| 18.6 (8/17/2017) | 4.7 (3/15/2016) | (18.6 - 4.7)/(19 - 13) | 2.31667 |
| 7.2 (10/26/2017) | 4.7 (3/15/2016) | (7.2 - 4.7)/(20 - 13) | 0.357143 |
| 16.2 (3/27/2018) | 4.7 (3/15/2016) | (16.2 - 4.7)/(21 - 13) | 1.4375 |
| 10.2 (6/26/2018) | 4.7 (3/15/2016) | (10.2 - 4.7)/(22 - 13) | 0.611111 |
| 20.2 (8/1/2018) | 4.7 (3/15/2016) | (20.2 - 4.7)/(23 - 13) | 1.55 |
| 8.6 (12/11/2018) | 4.7 (3/15/2016) | (8.6 - 4.7)/(24 - 13) | 0.354545 |
| 6.8 (4/17/2019) | 4.7 (3/15/2016) | (6.8 - 4.7)/(25 - 13) | 0.175 |
| ND<6.25 U (6/11/2019) | 4.7 (3/15/2016) | (6.25 - 4.7)/(26 - 13) | 0.119231 |
| 24.4 (8/28/2019) | 4.7 (3/15/2016) | (24.4 - 4.7)/(27 - 13) | 1.40714 |
| 3.7 (10/28/2019) | 4.7 (3/15/2016) | (3.7 - 4.7)/(28 - 13) | -0.0666667 |
| 92 (3/31/2020) | 4.7 (3/15/2016) | (92 - 4.7)/(29 - 13) | 5.45625 |
| 21.2 (6/10/2020) | 4.7 (3/15/2016) | (21.2 - 4.7)/(30 - 13) | 0.970588 |
| 7.8 (9/21/2020) | 4.7 (3/15/2016) | (7.8 - 4.7)/(31 - 13) | 0.172222 |
| 5.3 (12/17/2020) | 4.7 (3/15/2016) | (5.3 - 4.7)/(32 - 13) | 0.0315789 |
| 16.5 (3/18/2021) | 4.7 (3/15/2016) | (16.5 - 4.7)/(33 - 13) | 0.59 |
| 10.5 (5/5/2021) | 4.7 (3/15/2016) | (10.5 - 4.7)/(34 - 13) | 0.27619 |
| 13.4 (9/2/2021) | 4.7 (3/15/2016) | (13.4 - 4.7)/(35 - 13) | 0.395455 |
| 5.3 (11/23/2021) | 4.7 (3/15/2016) | (5.3 - 4.7)/(36 - 13) | 0.026087 |
| 7 (1/10/2022) | 4.7 (3/15/2016) | (7 - 4.7)/(37 - 13) | 0.0958333 |
| 5.3 (4/7/2022) | 4.7 (3/15/2016) | (5.3 - 4.7)/(38 - 13) | 0.024 |
| 44.4 (8/3/2022) | 4.7 (3/15/2016) | (44.4 - 4.7)/(39 - 13) | 1.52692 |
| 5.5 (11/16/2022) | 4.7 (3/15/2016) | (5.5 - 4.7)/(40 - 13) | 0.0296296 |
| 2.5 (2/13/2023) | 4.7 (3/15/2016) | (2.5 - 4.7)/(41 - 13) | -0.0785714 |
| 3.73 (5/24/2023) | 4.7 (3/15/2016) | (3.73 - 4.7)/(42 - 13) | -0.0334483 |
| 4 (8/7/2023) | 4.7 (3/15/2016) | (4 - 4.7)/(43 - 13) | -0.0233333 |
| 5.5 (12/12/2023) | 4.7 (3/15/2016) | (5.5 - 4.7)/(44 - 13) | 0.0258065 |
| 6.71 (1/10/2024) | 4.7 (3/15/2016) | (6.71 - 4.7)/(45 - 13) | 0.0628125 |
| 32.7 (5/20/2024) | 4.7 (3/15/2016) | (32.7 - 4.7)/(46 - 13) | 0.848485 |
| 14.8 (9/16/2024) | 4.7 (3/15/2016) | (14.8 - 4.7)/(47 - 13) | 0.297059 |
| 7.5 (12/11/2024) | 4.7 (3/15/2016) | (7.5 - 4.7)/(48 - 13) | 0.08 |
| 20 (2/18/2025) | 4.7 (3/15/2016) | (20 - 4.7)/(49 - 13) | 0.425 |
| | | | |
| 24 (8/9/2016) | 9.8 (6/29/2016) | (24 - 9.8)/(15 - 14) | 14.2 |
| 3.6 (12/7/2016) | 9.8 (6/29/2016) | (3.6 - 9.8)/(16 - 14) | -3.1 |

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|---|---|---|---|
| 4.6 (3/2/2017) | 9.8 (6/29/2016) | (4.6 - 9.8)/(17 - 14) | -1.73333 |
| 12.8 (6/21/2017) | 9.8 (6/29/2016) | (12.8 - 9.8)/(18 - 14) | 0.75 |
| 18.6 (8/17/2017) | 9.8 (6/29/2016) | (18.6 - 9.8)/(19 - 14) | 1.76 |
| 7.2 (10/26/2017) | 9.8 (6/29/2016) | (7.2 - 9.8)/(20 - 14) | -0.433333 |
| 16.2 (3/27/2018) | 9.8 (6/29/2016) | (16.2 - 9.8)/(21 - 14) | 0.914286 |
| 10.2 (6/26/2018) | 9.8 (6/29/2016) | (10.2 - 9.8)/(22 - 14) | 0.05 |
| 20.2 (8/1/2018) | 9.8 (6/29/2016) | (20.2 - 9.8)/(23 - 14) | 1.15556 |
| 8.6 (12/11/2018) | 9.8 (6/29/2016) | (8.6 - 9.8)/(24 - 14) | -0.12 |
| 6.8 (4/17/2019) | 9.8 (6/29/2016) | (6.8 - 9.8)/(25 - 14) | -0.272727 |
| ND<6.25 U (6/11/2019) | 9.8 (6/29/2016) | (6.25 - 9.8)/(26 - 14) | -0.295833 |
| 24.4 (8/28/2019) | 9.8 (6/29/2016) | (24.4 - 9.8)/(27 - 14) | 1.12308 |
| 3.7 (10/28/2019) | 9.8 (6/29/2016) | (3.7 - 9.8)/(28 - 14) | -0.435714 |
| 92 (3/31/2020) | 9.8 (6/29/2016) | (92 - 9.8)/(29 - 14) | 5.48 |
| 21.2 (6/10/2020) | 9.8 (6/29/2016) | (21.2 - 9.8)/(30 - 14) | 0.7125 |
| 7.8 (9/21/2020) | 9.8 (6/29/2016) | (7.8 - 9.8)/(31 - 14) | -0.117647 |
| 5.3 (12/17/2020) | 9.8 (6/29/2016) | (5.3 - 9.8)/(32 - 14) | -0.25 |
| 16.5 (3/18/2021) | 9.8 (6/29/2016) | (16.5 - 9.8)/(33 - 14) | 0.352632 |
| 10.5 (5/5/2021) | 9.8 (6/29/2016) | (10.5 - 9.8)/(34 - 14) | 0.035 |
| 13.4 (9/2/2021) | 9.8 (6/29/2016) | (13.4 - 9.8)/(35 - 14) | 0.171429 |
| 5.3 (11/23/2021) | 9.8 (6/29/2016) | (5.3 - 9.8)/(36 - 14) | -0.204545 |
| 7 (1/10/2022) | 9.8 (6/29/2016) | (7 - 9.8)/(37 - 14) | -0.121739 |
| 5.3 (4/7/2022) | 9.8 (6/29/2016) | (5.3 - 9.8)/(38 - 14) | -0.1875 |
| 44.4 (8/3/2022) | 9.8 (6/29/2016) | (44.4 - 9.8)/(39 - 14) | 1.384 |
| 5.5 (11/16/2022) | 9.8 (6/29/2016) | (5.5 - 9.8)/(40 - 14) | -0.165385 |
| 2.5 (2/13/2023) | 9.8 (6/29/2016) | (2.5 - 9.8)/(41 - 14) | -0.27037 |
| 3.73 (5/24/2023) | 9.8 (6/29/2016) | (3.73 - 9.8)/(42 - 14) | -0.216786 |
| 4 (8/7/2023) | 9.8 (6/29/2016) | (4 - 9.8)/(43 - 14) | -0.2 |
| 5.5 (12/12/2023) | 9.8 (6/29/2016) | (5.5 - 9.8)/(44 - 14) | -0.143333 |
| 6.71 (1/10/2024) | 9.8 (6/29/2016) | (6.71 - 9.8)/(45 - 14) | -0.0996774 |
| 32.7 (5/20/2024) | 9.8 (6/29/2016) | (32.7 - 9.8)/(46 - 14) | 0.715625 |
| 14.8 (9/16/2024) | 9.8 (6/29/2016) | (14.8 - 9.8)/(47 - 14) | 0.151515 |
| 7.5 (12/11/2024) | 9.8 (6/29/2016) | (7.5 - 9.8)/(48 - 14) | -0.0676471 |
| 20 (2/18/2025) | 9.8 (6/29/2016) | (20 - 9.8)/(49 - 14) | 0.291429 |

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|---|---|---|---|
| 3.6 (12/7/2016) | 24 (8/9/2016) | (3.6 - 24)/(16 - 15) | -20.4 |
| 4.6 (3/2/2017) | 24 (8/9/2016) | (4.6 - 24)/(17 - 15) | -9.7 |
| 12.8 (6/21/2017) | 24 (8/9/2016) | (12.8 - 24)/(18 - 15) | -3.73333 |
| 18.6 (8/17/2017) | 24 (8/9/2016) | (18.6 - 24)/(19 - 15) | -1.35 |
| 7.2 (10/26/2017) | 24 (8/9/2016) | (7.2 - 24)/(20 - 15) | -3.36 |
| 16.2 (3/27/2018) | 24 (8/9/2016) | (16.2 - 24)/(21 - 15) | -1.3 |
| 10.2 (6/26/2018) | 24 (8/9/2016) | (10.2 - 24)/(22 - 15) | -1.97143 |
| 20.2 (8/1/2018) | 24 (8/9/2016) | (20.2 - 24)/(23 - 15) | -0.475 |
| 8.6 (12/11/2018) | 24 (8/9/2016) | (8.6 - 24)/(24 - 15) | -1.71111 |
| 6.8 (4/17/2019) | 24 (8/9/2016) | (6.8 - 24)/(25 - 15) | -1.72 |
| ND<6.25 U (6/11/2019) | 24 (8/9/2016) | (6.25 - 24)/(26 - 15) | -1.61364 |
| 24.4 (8/28/2019) | 24 (8/9/2016) | (24.4 - 24)/(27 - 15) | 0.0333333 |
| 3.7 (10/28/2019) | 24 (8/9/2016) | (3.7 - 24)/(28 - 15) | -1.56154 |
| 92 (3/31/2020) | 24 (8/9/2016) | (92 - 24)/(29 - 15) | 4.85714 |
| 21.2 (6/10/2020) | 24 (8/9/2016) | (21.2 - 24)/(30 - 15) | -0.186667 |
| 7.8 (9/21/2020) | 24 (8/9/2016) | (7.8 - 24)/(31 - 15) | -1.0125 |
| 5.3 (12/17/2020) | 24 (8/9/2016) | (5.3 - 24)/(32 - 15) | -1.1 |
| 16.5 (3/18/2021) | 24 (8/9/2016) | (16.5 - 24)/(33 - 15) | -0.416667 |
| 10.5 (5/5/2021) | 24 (8/9/2016) | (10.5 - 24)/(34 - 15) | -0.710526 |
| 13.4 (9/2/2021) | 24 (8/9/2016) | (13.4 - 24)/(35 - 15) | -0.53 |
| 5.3 (11/23/2021) | 24 (8/9/2016) | (5.3 - 24)/(36 - 15) | -0.890476 |
| 7 (1/10/2022) | 24 (8/9/2016) | (7 - 24)/(37 - 15) | -0.772727 |
| 5.3 (4/7/2022) | 24 (8/9/2016) | (5.3 - 24)/(38 - 15) | -0.813043 |

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|---|---|---|---|
| 44.4 (8/3/2022) | 24 (8/9/2016) | (44.4 - 24)/(39 - 15) | 0.85 |
| 5.5 (11/16/2022) | 24 (8/9/2016) | (5.5 - 24)/(40 - 15) | -0.74 |
| 2.5 (2/13/2023) | 24 (8/9/2016) | (2.5 - 24)/(41 - 15) | -0.826923 |
| 3.73 (5/24/2023) | 24 (8/9/2016) | (3.73 - 24)/(42 - 15) | -0.750741 |
| 4 (8/7/2023) | 24 (8/9/2016) | (4 - 24)/(43 - 15) | -0.714286 |
| 5.5 (12/12/2023) | 24 (8/9/2016) | (5.5 - 24)/(44 - 15) | -0.637931 |
| 6.71 (1/10/2024) | 24 (8/9/2016) | (6.71 - 24)/(45 - 15) | -0.576333 |
| 32.7 (5/20/2024) | 24 (8/9/2016) | (32.7 - 24)/(46 - 15) | 0.280645 |
| 14.8 (9/16/2024) | 24 (8/9/2016) | (14.8 - 24)/(47 - 15) | -0.2875 |
| 7.5 (12/11/2024) | 24 (8/9/2016) | (7.5 - 24)/(48 - 15) | -0.5 |
| 20 (2/18/2025) | 24 (8/9/2016) | (20 - 24)/(49 - 15) | -0.117647 |
| | | | |
| 4.6 (3/2/2017) | 3.6 (12/7/2016) | (4.6 - 3.6)/(17 - 16) | 1 |
| 12.8 (6/21/2017) | 3.6 (12/7/2016) | (12.8 - 3.6)/(18 - 16) | 4.6 |
| 18.6 (8/17/2017) | 3.6 (12/7/2016) | (18.6 - 3.6)/(19 - 16) | 5 |
| 7.2 (10/26/2017) | 3.6 (12/7/2016) | (7.2 - 3.6)/(20 - 16) | 0.9 |
| 16.2 (3/27/2018) | 3.6 (12/7/2016) | (16.2 - 3.6)/(21 - 16) | 2.52 |
| 10.2 (6/26/2018) | 3.6 (12/7/2016) | (10.2 - 3.6)/(22 - 16) | 1.1 |
| 20.2 (8/1/2018) | 3.6 (12/7/2016) | (20.2 - 3.6)/(23 - 16) | 2.37143 |
| 8.6 (12/11/2018) | 3.6 (12/7/2016) | (8.6 - 3.6)/(24 - 16) | 0.625 |
| 6.8 (4/17/2019) | 3.6 (12/7/2016) | (6.8 - 3.6)/(25 - 16) | 0.355556 |
| ND<6.25 U (6/11/2019) | 3.6 (12/7/2016) | (6.25 - 3.6)/(26 - 16) | 0.265 |
| 24.4 (8/28/2019) | 3.6 (12/7/2016) | (24.4 - 3.6)/(27 - 16) | 1.89091 |
| 3.7 (10/28/2019) | 3.6 (12/7/2016) | (3.7 - 3.6)/(28 - 16) | 0.00833333 |
| 92 (3/31/2020) | 3.6 (12/7/2016) | (92 - 3.6)/(29 - 16) | 6.8 |
| 21.2 (6/10/2020) | 3.6 (12/7/2016) | (21.2 - 3.6)/(30 - 16) | 1.25714 |
| 7.8 (9/21/2020) | 3.6 (12/7/2016) | (7.8 - 3.6)/(31 - 16) | 0.28 |
| 5.3 (12/17/2020) | 3.6 (12/7/2016) | (5.3 - 3.6)/(32 - 16) | 0.10625 |
| 16.5 (3/18/2021) | 3.6 (12/7/2016) | (16.5 - 3.6)/(33 - 16) | 0.758824 |
| 10.5 (5/5/2021) | 3.6 (12/7/2016) | (10.5 - 3.6)/(34 - 16) | 0.383333 |
| 13.4 (9/2/2021) | 3.6 (12/7/2016) | (13.4 - 3.6)/(35 - 16) | 0.515789 |
| 5.3 (11/23/2021) | 3.6 (12/7/2016) | (5.3 - 3.6)/(36 - 16) | 0.085 |
| 7 (1/10/2022) | 3.6 (12/7/2016) | (7 - 3.6)/(37 - 16) | 0.161905 |
| 5.3 (4/7/2022) | 3.6 (12/7/2016) | (5.3 - 3.6)/(38 - 16) | 0.0772727 |
| 44.4 (8/3/2022) | 3.6 (12/7/2016) | (44.4 - 3.6)/(39 - 16) | 1.77391 |
| 5.5 (11/16/2022) | 3.6 (12/7/2016) | (5.5 - 3.6)/(40 - 16) | 0.0791667 |
| 2.5 (2/13/2023) | 3.6 (12/7/2016) | (2.5 - 3.6)/(41 - 16) | -0.044 |
| 3.73 (5/24/2023) | 3.6 (12/7/2016) | (3.73 - 3.6)/(42 - 16) | 0.005 |
| 4 (8/7/2023) | 3.6 (12/7/2016) | (4 - 3.6)/(43 - 16) | 0.0148148 |
| 5.5 (12/12/2023) | 3.6 (12/7/2016) | (5.5 - 3.6)/(44 - 16) | 0.0678571 |
| 6.71 (1/10/2024) | 3.6 (12/7/2016) | (6.71 - 3.6)/(45 - 16) | 0.107241 |
| 32.7 (5/20/2024) | 3.6 (12/7/2016) | (32.7 - 3.6)/(46 - 16) | 0.97 |
| 14.8 (9/16/2024) | 3.6 (12/7/2016) | (14.8 - 3.6)/(47 - 16) | 0.36129 |
| 7.5 (12/11/2024) | 3.6 (12/7/2016) | (7.5 - 3.6)/(48 - 16) | 0.121875 |
| 20 (2/18/2025) | 3.6 (12/7/2016) | (20 - 3.6)/(49 - 16) | 0.49697 |
| | | | |
| 12.8 (6/21/2017) | 4.6 (3/2/2017) | (12.8 - 4.6)/(18 - 17) | 8.2 |
| 18.6 (8/17/2017) | 4.6 (3/2/2017) | (18.6 - 4.6)/(19 - 17) | 7 |
| 7.2 (10/26/2017) | 4.6 (3/2/2017) | (7.2 - 4.6)/(20 - 17) | 0.866667 |
| 16.2 (3/27/2018) | 4.6 (3/2/2017) | (16.2 - 4.6)/(21 - 17) | 2.9 |
| 10.2 (6/26/2018) | 4.6 (3/2/2017) | (10.2 - 4.6)/(22 - 17) | 1.12 |
| 20.2 (8/1/2018) | 4.6 (3/2/2017) | (20.2 - 4.6)/(23 - 17) | 2.6 |
| 8.6 (12/11/2018) | 4.6 (3/2/2017) | (8.6 - 4.6)/(24 - 17) | 0.571429 |
| 6.8 (4/17/2019) | 4.6 (3/2/2017) | (6.8 - 4.6)/(25 - 17) | 0.275 |
| ND<6.25 U (6/11/2019) | 4.6 (3/2/2017) | (6.25 - 4.6)/(26 - 17) | 0.183333 |
| 24.4 (8/28/2019) | 4.6 (3/2/2017) | (24.4 - 4.6)/(27 - 17) | 1.98 |
| 3.7 (10/28/2019) | 4.6 (3/2/2017) | (3.7 - 4.6)/(28 - 17) | -0.0818182 |

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|---|---|---|---|
| 92 (3/31/2020) | 4.6 (3/2/2017) | (92 - 4.6)/(29 - 17) | 7.28333 |
| 21.2 (6/10/2020) | 4.6 (3/2/2017) | (21.2 - 4.6)/(30 - 17) | 1.27692 |
| 7.8 (9/21/2020) | 4.6 (3/2/2017) | (7.8 - 4.6)/(31 - 17) | 0.228571 |
| 5.3 (12/17/2020) | 4.6 (3/2/2017) | (5.3 - 4.6)/(32 - 17) | 0.0466667 |
| 16.5 (3/18/2021) | 4.6 (3/2/2017) | (16.5 - 4.6)/(33 - 17) | 0.74375 |
| 10.5 (5/5/2021) | 4.6 (3/2/2017) | (10.5 - 4.6)/(34 - 17) | 0.347059 |
| 13.4 (9/2/2021) | 4.6 (3/2/2017) | (13.4 - 4.6)/(35 - 17) | 0.488889 |
| 5.3 (11/23/2021) | 4.6 (3/2/2017) | (5.3 - 4.6)/(36 - 17) | 0.0368421 |
| 7 (1/10/2022) | 4.6 (3/2/2017) | (7 - 4.6)/(37 - 17) | 0.12 |
| 5.3 (4/7/2022) | 4.6 (3/2/2017) | (5.3 - 4.6)/(38 - 17) | 0.0333333 |
| 44.4 (8/3/2022) | 4.6 (3/2/2017) | (44.4 - 4.6)/(39 - 17) | 1.80909 |
| 5.5 (11/16/2022) | 4.6 (3/2/2017) | (5.5 - 4.6)/(40 - 17) | 0.0391304 |
| 2.5 (2/13/2023) | 4.6 (3/2/2017) | (2.5 - 4.6)/(41 - 17) | -0.0875 |
| 3.73 (5/24/2023) | 4.6 (3/2/2017) | (3.73 - 4.6)/(42 - 17) | -0.0348 |
| 4 (8/7/2023) | 4.6 (3/2/2017) | (4 - 4.6)/(43 - 17) | -0.0230769 |
| 5.5 (12/12/2023) | 4.6 (3/2/2017) | (5.5 - 4.6)/(44 - 17) | 0.0333333 |
| 6.71 (1/10/2024) | 4.6 (3/2/2017) | (6.71 - 4.6)/(45 - 17) | 0.0753571 |
| 32.7 (5/20/2024) | 4.6 (3/2/2017) | (32.7 - 4.6)/(46 - 17) | 0.968966 |
| 14.8 (9/16/2024) | 4.6 (3/2/2017) | (14.8 - 4.6)/(47 - 17) | 0.34 |
| 7.5 (12/11/2024) | 4.6 (3/2/2017) | (7.5 - 4.6)/(48 - 17) | 0.0935484 |
| 20 (2/18/2025) | 4.6 (3/2/2017) | (20 - 4.6)/(49 - 17) | 0.48125 |
| | | | |
| 18.6 (8/17/2017) | 12.8 (6/21/2017) | (18.6 - 12.8)/(19 - 18) | 5.8 |
| 7.2 (10/26/2017) | 12.8 (6/21/2017) | (7.2 - 12.8)/(20 - 18) | -2.8 |
| 16.2 (3/27/2018) | 12.8 (6/21/2017) | (16.2 - 12.8)/(21 - 18) | 1.13333 |
| 10.2 (6/26/2018) | 12.8 (6/21/2017) | (10.2 - 12.8)/(22 - 18) | -0.65 |
| 20.2 (8/1/2018) | 12.8 (6/21/2017) | (20.2 - 12.8)/(23 - 18) | 1.48 |
| 8.6 (12/11/2018) | 12.8 (6/21/2017) | (8.6 - 12.8)/(24 - 18) | -0.7 |
| 6.8 (4/17/2019) | 12.8 (6/21/2017) | (6.8 - 12.8)/(25 - 18) | -0.857143 |
| ND<6.25 U (6/11/2019) | 12.8 (6/21/2017) | (6.25 - 12.8)/(26 - 18) | -0.81875 |
| 24.4 (8/28/2019) | 12.8 (6/21/2017) | (24.4 - 12.8)/(27 - 18) | 1.28889 |
| 3.7 (10/28/2019) | 12.8 (6/21/2017) | (3.7 - 12.8)/(28 - 18) | -0.91 |
| 92 (3/31/2020) | 12.8 (6/21/2017) | (92 - 12.8)/(29 - 18) | 7.2 |
| 21.2 (6/10/2020) | 12.8 (6/21/2017) | (21.2 - 12.8)/(30 - 18) | 0.7 |
| 7.8 (9/21/2020) | 12.8 (6/21/2017) | (7.8 - 12.8)/(31 - 18) | -0.384615 |
| 5.3 (12/17/2020) | 12.8 (6/21/2017) | (5.3 - 12.8)/(32 - 18) | -0.535714 |
| 16.5 (3/18/2021) | 12.8 (6/21/2017) | (16.5 - 12.8)/(33 - 18) | 0.246667 |
| 10.5 (5/5/2021) | 12.8 (6/21/2017) | (10.5 - 12.8)/(34 - 18) | -0.14375 |
| 13.4 (9/2/2021) | 12.8 (6/21/2017) | (13.4 - 12.8)/(35 - 18) | 0.0352941 |
| 5.3 (11/23/2021) | 12.8 (6/21/2017) | (5.3 - 12.8)/(36 - 18) | -0.416667 |
| 7 (1/10/2022) | 12.8 (6/21/2017) | (7 - 12.8)/(37 - 18) | -0.305263 |
| 5.3 (4/7/2022) | 12.8 (6/21/2017) | (5.3 - 12.8)/(38 - 18) | -0.375 |
| 44.4 (8/3/2022) | 12.8 (6/21/2017) | (44.4 - 12.8)/(39 - 18) | 1.50476 |
| 5.5 (11/16/2022) | 12.8 (6/21/2017) | (5.5 - 12.8)/(40 - 18) | -0.331818 |
| 2.5 (2/13/2023) | 12.8 (6/21/2017) | (2.5 - 12.8)/(41 - 18) | -0.447826 |
| 3.73 (5/24/2023) | 12.8 (6/21/2017) | (3.73 - 12.8)/(42 - 18) | -0.377917 |
| 4 (8/7/2023) | 12.8 (6/21/2017) | (4 - 12.8)/(43 - 18) | -0.352 |
| 5.5 (12/12/2023) | 12.8 (6/21/2017) | (5.5 - 12.8)/(44 - 18) | -0.280769 |
| 6.71 (1/10/2024) | 12.8 (6/21/2017) | (6.71 - 12.8)/(45 - 18) | -0.225556 |
| 32.7 (5/20/2024) | 12.8 (6/21/2017) | (32.7 - 12.8)/(46 - 18) | 0.710714 |
| 14.8 (9/16/2024) | 12.8 (6/21/2017) | (14.8 - 12.8)/(47 - 18) | 0.0689655 |
| 7.5 (12/11/2024) | 12.8 (6/21/2017) | (7.5 - 12.8)/(48 - 18) | -0.176667 |
| 20 (2/18/2025) | 12.8 (6/21/2017) | (20 - 12.8)/(49 - 18) | 0.232258 |
| | | | |
| 7.2 (10/26/2017) | 18.6 (8/17/2017) | (7.2 - 18.6)/(20 - 19) | -11.4 |
| 16.2 (3/27/2018) | 18.6 (8/17/2017) | (16.2 - 18.6)/(21 - 19) | -1.2 |
| 10.2 (6/26/2018) | 18.6 (8/17/2017) | (10.2 - 18.6)/(22 - 19) | -2.8 |

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|---|---|---|---|
| 20.2 (8/1/2018) | 18.6 (8/17/2017) | (20.2 - 18.6)/(23 - 19) | 0.4 |
| 8.6 (12/11/2018) | 18.6 (8/17/2017) | (8.6 - 18.6)/(24 - 19) | -2 |
| 6.8 (4/17/2019) | 18.6 (8/17/2017) | (6.8 - 18.6)/(25 - 19) | -1.96667 |
| ND<6.25 U (6/11/2019) | 18.6 (8/17/2017) | (6.25 - 18.6)/(26 - 19) | -1.76429 |
| 24.4 (8/28/2019) | 18.6 (8/17/2017) | (24.4 - 18.6)/(27 - 19) | 0.725 |
| 3.7 (10/28/2019) | 18.6 (8/17/2017) | (3.7 - 18.6)/(28 - 19) | -1.65556 |
| 92 (3/31/2020) | 18.6 (8/17/2017) | (92 - 18.6)/(29 - 19) | 7.34 |
| 21.2 (6/10/2020) | 18.6 (8/17/2017) | (21.2 - 18.6)/(30 - 19) | 0.236364 |
| 7.8 (9/21/2020) | 18.6 (8/17/2017) | (7.8 - 18.6)/(31 - 19) | -0.9 |
| 5.3 (12/17/2020) | 18.6 (8/17/2017) | (5.3 - 18.6)/(32 - 19) | -1.02308 |
| 16.5 (3/18/2021) | 18.6 (8/17/2017) | (16.5 - 18.6)/(33 - 19) | -0.15 |
| 10.5 (5/5/2021) | 18.6 (8/17/2017) | (10.5 - 18.6)/(34 - 19) | -0.54 |
| 13.4 (9/2/2021) | 18.6 (8/17/2017) | (13.4 - 18.6)/(35 - 19) | -0.325 |
| 5.3 (11/23/2021) | 18.6 (8/17/2017) | (5.3 - 18.6)/(36 - 19) | -0.782353 |
| 7 (1/10/2022) | 18.6 (8/17/2017) | (7 - 18.6)/(37 - 19) | -0.644444 |
| 5.3 (4/7/2022) | 18.6 (8/17/2017) | (5.3 - 18.6)/(38 - 19) | -0.7 |
| 44.4 (8/3/2022) | 18.6 (8/17/2017) | (44.4 - 18.6)/(39 - 19) | 1.29 |
| 5.5 (11/16/2022) | 18.6 (8/17/2017) | (5.5 - 18.6)/(40 - 19) | -0.62381 |
| 2.5 (2/13/2023) | 18.6 (8/17/2017) | (2.5 - 18.6)/(41 - 19) | -0.731818 |
| 3.73 (5/24/2023) | 18.6 (8/17/2017) | (3.73 - 18.6)/(42 - 19) | -0.646522 |
| 4 (8/7/2023) | 18.6 (8/17/2017) | (4 - 18.6)/(43 - 19) | -0.608333 |
| 5.5 (12/12/2023) | 18.6 (8/17/2017) | (5.5 - 18.6)/(44 - 19) | -0.524 |
| 6.71 (1/10/2024) | 18.6 (8/17/2017) | (6.71 - 18.6)/(45 - 19) | -0.457308 |
| 32.7 (5/20/2024) | 18.6 (8/17/2017) | (32.7 - 18.6)/(46 - 19) | 0.522222 |
| 14.8 (9/16/2024) | 18.6 (8/17/2017) | (14.8 - 18.6)/(47 - 19) | -0.135714 |
| 7.5 (12/11/2024) | 18.6 (8/17/2017) | (7.5 - 18.6)/(48 - 19) | -0.382759 |
| 20 (2/18/2025) | 18.6 (8/17/2017) | (20 - 18.6)/(49 - 19) | 0.0466667 |

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|---|---|---|---|
| 16.2 (3/27/2018) | 7.2 (10/26/2017) | (16.2 - 7.2)/(21 - 20) | 9 |
| 10.2 (6/26/2018) | 7.2 (10/26/2017) | (10.2 - 7.2)/(22 - 20) | 1.5 |
| 20.2 (8/1/2018) | 7.2 (10/26/2017) | (20.2 - 7.2)/(23 - 20) | 4.33333 |
| 8.6 (12/11/2018) | 7.2 (10/26/2017) | (8.6 - 7.2)/(24 - 20) | 0.35 |
| 6.8 (4/17/2019) | 7.2 (10/26/2017) | (6.8 - 7.2)/(25 - 20) | -0.08 |
| ND<6.25 U (6/11/2019) | 7.2 (10/26/2017) | (6.25 - 7.2)/(26 - 20) | -0.158333 |
| 24.4 (8/28/2019) | 7.2 (10/26/2017) | (24.4 - 7.2)/(27 - 20) | 2.45714 |
| 3.7 (10/28/2019) | 7.2 (10/26/2017) | (3.7 - 7.2)/(28 - 20) | -0.4375 |
| 92 (3/31/2020) | 7.2 (10/26/2017) | (92 - 7.2)/(29 - 20) | 9.42222 |
| 21.2 (6/10/2020) | 7.2 (10/26/2017) | (21.2 - 7.2)/(30 - 20) | 1.4 |
| 7.8 (9/21/2020) | 7.2 (10/26/2017) | (7.8 - 7.2)/(31 - 20) | 0.0545455 |
| 5.3 (12/17/2020) | 7.2 (10/26/2017) | (5.3 - 7.2)/(32 - 20) | -0.158333 |
| 16.5 (3/18/2021) | 7.2 (10/26/2017) | (16.5 - 7.2)/(33 - 20) | 0.715385 |
| 10.5 (5/5/2021) | 7.2 (10/26/2017) | (10.5 - 7.2)/(34 - 20) | 0.235714 |
| 13.4 (9/2/2021) | 7.2 (10/26/2017) | (13.4 - 7.2)/(35 - 20) | 0.413333 |
| 5.3 (11/23/2021) | 7.2 (10/26/2017) | (5.3 - 7.2)/(36 - 20) | -0.11875 |
| 7 (1/10/2022) | 7.2 (10/26/2017) | (7 - 7.2)/(37 - 20) | -0.0117647 |
| 5.3 (4/7/2022) | 7.2 (10/26/2017) | (5.3 - 7.2)/(38 - 20) | -0.105556 |
| 44.4 (8/3/2022) | 7.2 (10/26/2017) | (44.4 - 7.2)/(39 - 20) | 1.95789 |
| 5.5 (11/16/2022) | 7.2 (10/26/2017) | (5.5 - 7.2)/(40 - 20) | -0.085 |
| 2.5 (2/13/2023) | 7.2 (10/26/2017) | (2.5 - 7.2)/(41 - 20) | -0.22381 |
| 3.73 (5/24/2023) | 7.2 (10/26/2017) | (3.73 - 7.2)/(42 - 20) | -0.157727 |
| 4 (8/7/2023) | 7.2 (10/26/2017) | (4 - 7.2)/(43 - 20) | -0.13913 |
| 5.5 (12/12/2023) | 7.2 (10/26/2017) | (5.5 - 7.2)/(44 - 20) | -0.0708333 |
| 6.71 (1/10/2024) | 7.2 (10/26/2017) | (6.71 - 7.2)/(45 - 20) | -0.0196 |
| 32.7 (5/20/2024) | 7.2 (10/26/2017) | (32.7 - 7.2)/(46 - 20) | 0.980769 |
| 14.8 (9/16/2024) | 7.2 (10/26/2017) | (14.8 - 7.2)/(47 - 20) | 0.281481 |
| 7.5 (12/11/2024) | 7.2 (10/26/2017) | (7.5 - 7.2)/(48 - 20) | 0.0107143 |
| 20 (2/18/2025) | 7.2 (10/26/2017) | (20 - 7.2)/(49 - 20) | 0.441379 |

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|---|---|---|---|
| 10.2 (6/26/2018) | 16.2 (3/27/2018) | (10.2 - 16.2)/(22 - 21) | -6 |
| 20.2 (8/1/2018) | 16.2 (3/27/2018) | (20.2 - 16.2)/(23 - 21) | 2 |
| 8.6 (12/11/2018) | 16.2 (3/27/2018) | (8.6 - 16.2)/(24 - 21) | -2.53333 |
| 6.8 (4/17/2019) | 16.2 (3/27/2018) | (6.8 - 16.2)/(25 - 21) | -2.35 |
| ND<6.25 U (6/11/2019) | 16.2 (3/27/2018) | (6.25 - 16.2)/(26 - 21) | -1.99 |
| 24.4 (8/28/2019) | 16.2 (3/27/2018) | (24.4 - 16.2)/(27 - 21) | 1.36667 |
| 3.7 (10/28/2019) | 16.2 (3/27/2018) | (3.7 - 16.2)/(28 - 21) | -1.78571 |
| 92 (3/31/2020) | 16.2 (3/27/2018) | (92 - 16.2)/(29 - 21) | 9.475 |
| 21.2 (6/10/2020) | 16.2 (3/27/2018) | (21.2 - 16.2)/(30 - 21) | 0.555556 |
| 7.8 (9/21/2020) | 16.2 (3/27/2018) | (7.8 - 16.2)/(31 - 21) | -0.84 |
| 5.3 (12/17/2020) | 16.2 (3/27/2018) | (5.3 - 16.2)/(32 - 21) | -0.990909 |
| 16.5 (3/18/2021) | 16.2 (3/27/2018) | (16.5 - 16.2)/(33 - 21) | 0.025 |
| 10.5 (5/5/2021) | 16.2 (3/27/2018) | (10.5 - 16.2)/(34 - 21) | -0.438462 |
| 13.4 (9/2/2021) | 16.2 (3/27/2018) | (13.4 - 16.2)/(35 - 21) | -0.2 |
| 5.3 (11/23/2021) | 16.2 (3/27/2018) | (5.3 - 16.2)/(36 - 21) | -0.726667 |
| 7 (1/10/2022) | 16.2 (3/27/2018) | (7 - 16.2)/(37 - 21) | -0.575 |
| 5.3 (4/7/2022) | 16.2 (3/27/2018) | (5.3 - 16.2)/(38 - 21) | -0.641176 |
| 44.4 (8/3/2022) | 16.2 (3/27/2018) | (44.4 - 16.2)/(39 - 21) | 1.56667 |
| 5.5 (11/16/2022) | 16.2 (3/27/2018) | (5.5 - 16.2)/(40 - 21) | -0.563158 |
| 2.5 (2/13/2023) | 16.2 (3/27/2018) | (2.5 - 16.2)/(41 - 21) | -0.685 |
| 3.73 (5/24/2023) | 16.2 (3/27/2018) | (3.73 - 16.2)/(42 - 21) | -0.59381 |
| 4 (8/7/2023) | 16.2 (3/27/2018) | (4 - 16.2)/(43 - 21) | -0.554545 |
| 5.5 (12/12/2023) | 16.2 (3/27/2018) | (5.5 - 16.2)/(44 - 21) | -0.465217 |
| 6.71 (1/10/2024) | 16.2 (3/27/2018) | (6.71 - 16.2)/(45 - 21) | -0.395417 |
| 32.7 (5/20/2024) | 16.2 (3/27/2018) | (32.7 - 16.2)/(46 - 21) | 0.66 |
| 14.8 (9/16/2024) | 16.2 (3/27/2018) | (14.8 - 16.2)/(47 - 21) | -0.0538462 |
| 7.5 (12/11/2024) | 16.2 (3/27/2018) | (7.5 - 16.2)/(48 - 21) | -0.322222 |
| 20 (2/18/2025) | 16.2 (3/27/2018) | (20 - 16.2)/(49 - 21) | 0.135714 |

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|---|---|---|---|
| 20.2 (8/1/2018) | 10.2 (6/26/2018) | (20.2 - 10.2)/(23 - 22) | 10 |
| 8.6 (12/11/2018) | 10.2 (6/26/2018) | (8.6 - 10.2)/(24 - 22) | -0.8 |
| 6.8 (4/17/2019) | 10.2 (6/26/2018) | (6.8 - 10.2)/(25 - 22) | -1.13333 |
| ND<6.25 U (6/11/2019) | 10.2 (6/26/2018) | (6.25 - 10.2)/(26 - 22) | -0.9875 |
| 24.4 (8/28/2019) | 10.2 (6/26/2018) | (24.4 - 10.2)/(27 - 22) | 2.84 |
| 3.7 (10/28/2019) | 10.2 (6/26/2018) | (3.7 - 10.2)/(28 - 22) | -1.08333 |
| 92 (3/31/2020) | 10.2 (6/26/2018) | (92 - 10.2)/(29 - 22) | 11.6857 |
| 21.2 (6/10/2020) | 10.2 (6/26/2018) | (21.2 - 10.2)/(30 - 22) | 1.375 |
| 7.8 (9/21/2020) | 10.2 (6/26/2018) | (7.8 - 10.2)/(31 - 22) | -0.266667 |
| 5.3 (12/17/2020) | 10.2 (6/26/2018) | (5.3 - 10.2)/(32 - 22) | -0.49 |
| 16.5 (3/18/2021) | 10.2 (6/26/2018) | (16.5 - 10.2)/(33 - 22) | 0.572727 |
| 10.5 (5/5/2021) | 10.2 (6/26/2018) | (10.5 - 10.2)/(34 - 22) | 0.025 |
| 13.4 (9/2/2021) | 10.2 (6/26/2018) | (13.4 - 10.2)/(35 - 22) | 0.246154 |
| 5.3 (11/23/2021) | 10.2 (6/26/2018) | (5.3 - 10.2)/(36 - 22) | -0.35 |
| 7 (1/10/2022) | 10.2 (6/26/2018) | (7 - 10.2)/(37 - 22) | -0.213333 |
| 5.3 (4/7/2022) | 10.2 (6/26/2018) | (5.3 - 10.2)/(38 - 22) | -0.30625 |
| 44.4 (8/3/2022) | 10.2 (6/26/2018) | (44.4 - 10.2)/(39 - 22) | 2.01176 |
| 5.5 (11/16/2022) | 10.2 (6/26/2018) | (5.5 - 10.2)/(40 - 22) | -0.261111 |
| 2.5 (2/13/2023) | 10.2 (6/26/2018) | (2.5 - 10.2)/(41 - 22) | -0.405263 |
| 3.73 (5/24/2023) | 10.2 (6/26/2018) | (3.73 - 10.2)/(42 - 22) | -0.3235 |
| 4 (8/7/2023) | 10.2 (6/26/2018) | (4 - 10.2)/(43 - 22) | -0.295238 |
| 5.5 (12/12/2023) | 10.2 (6/26/2018) | (5.5 - 10.2)/(44 - 22) | -0.213636 |
| 6.71 (1/10/2024) | 10.2 (6/26/2018) | (6.71 - 10.2)/(45 - 22) | -0.151739 |
| 32.7 (5/20/2024) | 10.2 (6/26/2018) | (32.7 - 10.2)/(46 - 22) | 0.9375 |
| 14.8 (9/16/2024) | 10.2 (6/26/2018) | (14.8 - 10.2)/(47 - 22) | 0.184 |
| 7.5 (12/11/2024) | 10.2 (6/26/2018) | (7.5 - 10.2)/(48 - 22) | -0.103846 |
| 20 (2/18/2025) | 10.2 (6/26/2018) | (20 - 10.2)/(49 - 22) | 0.362963 |

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|---|---|---|---|
| 8.6 (12/11/2018) | 20.2 (8/1/2018) | (8.6 - 20.2)/(24 - 23) | -11.6 |
| 6.8 (4/17/2019) | 20.2 (8/1/2018) | (6.8 - 20.2)/(25 - 23) | -6.7 |
| ND<6.25 U (6/11/2019) | 20.2 (8/1/2018) | (6.25 - 20.2)/(26 - 23) | -4.65 |
| 24.4 (8/28/2019) | 20.2 (8/1/2018) | (24.4 - 20.2)/(27 - 23) | 1.05 |
| 3.7 (10/28/2019) | 20.2 (8/1/2018) | (3.7 - 20.2)/(28 - 23) | -3.3 |
| 92 (3/31/2020) | 20.2 (8/1/2018) | (92 - 20.2)/(29 - 23) | 11.9667 |
| 21.2 (6/10/2020) | 20.2 (8/1/2018) | (21.2 - 20.2)/(30 - 23) | 0.142857 |
| 7.8 (9/21/2020) | 20.2 (8/1/2018) | (7.8 - 20.2)/(31 - 23) | -1.55 |
| 5.3 (12/17/2020) | 20.2 (8/1/2018) | (5.3 - 20.2)/(32 - 23) | -1.65556 |
| 16.5 (3/18/2021) | 20.2 (8/1/2018) | (16.5 - 20.2)/(33 - 23) | -0.37 |
| 10.5 (5/5/2021) | 20.2 (8/1/2018) | (10.5 - 20.2)/(34 - 23) | -0.881818 |
| 13.4 (9/2/2021) | 20.2 (8/1/2018) | (13.4 - 20.2)/(35 - 23) | -0.566667 |
| 5.3 (11/23/2021) | 20.2 (8/1/2018) | (5.3 - 20.2)/(36 - 23) | -1.14615 |
| 7 (1/10/2022) | 20.2 (8/1/2018) | (7 - 20.2)/(37 - 23) | -0.942857 |
| 5.3 (4/7/2022) | 20.2 (8/1/2018) | (5.3 - 20.2)/(38 - 23) | -0.993333 |
| 44.4 (8/3/2022) | 20.2 (8/1/2018) | (44.4 - 20.2)/(39 - 23) | 1.5125 |
| 5.5 (11/16/2022) | 20.2 (8/1/2018) | (5.5 - 20.2)/(40 - 23) | -0.864706 |
| 2.5 (2/13/2023) | 20.2 (8/1/2018) | (2.5 - 20.2)/(41 - 23) | -0.983333 |
| 3.73 (5/24/2023) | 20.2 (8/1/2018) | (3.73 - 20.2)/(42 - 23) | -0.866842 |
| 4 (8/7/2023) | 20.2 (8/1/2018) | (4 - 20.2)/(43 - 23) | -0.81 |
| 5.5 (12/12/2023) | 20.2 (8/1/2018) | (5.5 - 20.2)/(44 - 23) | -0.7 |
| 6.71 (1/10/2024) | 20.2 (8/1/2018) | (6.71 - 20.2)/(45 - 23) | -0.613182 |
| 32.7 (5/20/2024) | 20.2 (8/1/2018) | (32.7 - 20.2)/(46 - 23) | 0.543478 |
| 14.8 (9/16/2024) | 20.2 (8/1/2018) | (14.8 - 20.2)/(47 - 23) | -0.225 |
| 7.5 (12/11/2024) | 20.2 (8/1/2018) | (7.5 - 20.2)/(48 - 23) | -0.508 |
| 20 (2/18/2025) | 20.2 (8/1/2018) | (20 - 20.2)/(49 - 23) | -0.00769231 |
| | | | |
| 6.8 (4/17/2019) | 8.6 (12/11/2018) | (6.8 - 8.6)/(25 - 24) | -1.8 |
| ND<6.25 U (6/11/2019) | 8.6 (12/11/2018) | (6.25 - 8.6)/(26 - 24) | -1.175 |
| 24.4 (8/28/2019) | 8.6 (12/11/2018) | (24.4 - 8.6)/(27 - 24) | 5.26667 |
| 3.7 (10/28/2019) | 8.6 (12/11/2018) | (3.7 - 8.6)/(28 - 24) | -1.225 |
| 92 (3/31/2020) | 8.6 (12/11/2018) | (92 - 8.6)/(29 - 24) | 16.68 |
| 21.2 (6/10/2020) | 8.6 (12/11/2018) | (21.2 - 8.6)/(30 - 24) | 2.1 |
| 7.8 (9/21/2020) | 8.6 (12/11/2018) | (7.8 - 8.6)/(31 - 24) | -0.114286 |
| 5.3 (12/17/2020) | 8.6 (12/11/2018) | (5.3 - 8.6)/(32 - 24) | -0.4125 |
| 16.5 (3/18/2021) | 8.6 (12/11/2018) | (16.5 - 8.6)/(33 - 24) | 0.877778 |
| 10.5 (5/5/2021) | 8.6 (12/11/2018) | (10.5 - 8.6)/(34 - 24) | 0.19 |
| 13.4 (9/2/2021) | 8.6 (12/11/2018) | (13.4 - 8.6)/(35 - 24) | 0.436364 |
| 5.3 (11/23/2021) | 8.6 (12/11/2018) | (5.3 - 8.6)/(36 - 24) | -0.275 |
| 7 (1/10/2022) | 8.6 (12/11/2018) | (7 - 8.6)/(37 - 24) | -0.123077 |
| 5.3 (4/7/2022) | 8.6 (12/11/2018) | (5.3 - 8.6)/(38 - 24) | -0.235714 |
| 44.4 (8/3/2022) | 8.6 (12/11/2018) | (44.4 - 8.6)/(39 - 24) | 2.38667 |
| 5.5 (11/16/2022) | 8.6 (12/11/2018) | (5.5 - 8.6)/(40 - 24) | -0.19375 |
| 2.5 (2/13/2023) | 8.6 (12/11/2018) | (2.5 - 8.6)/(41 - 24) | -0.358824 |
| 3.73 (5/24/2023) | 8.6 (12/11/2018) | (3.73 - 8.6)/(42 - 24) | -0.270556 |
| 4 (8/7/2023) | 8.6 (12/11/2018) | (4 - 8.6)/(43 - 24) | -0.242105 |
| 5.5 (12/12/2023) | 8.6 (12/11/2018) | (5.5 - 8.6)/(44 - 24) | -0.155 |
| 6.71 (1/10/2024) | 8.6 (12/11/2018) | (6.71 - 8.6)/(45 - 24) | -0.09 |
| 32.7 (5/20/2024) | 8.6 (12/11/2018) | (32.7 - 8.6)/(46 - 24) | 1.09545 |
| 14.8 (9/16/2024) | 8.6 (12/11/2018) | (14.8 - 8.6)/(47 - 24) | 0.269565 |
| 7.5 (12/11/2024) | 8.6 (12/11/2018) | (7.5 - 8.6)/(48 - 24) | -0.0458333 |
| 20 (2/18/2025) | 8.6 (12/11/2018) | (20 - 8.6)/(49 - 24) | 0.456 |
| | | | |
| ND<6.25 U (6/11/2019) | 6.8 (4/17/2019) | (6.25 - 6.8)/(26 - 25) | -0.55 |
| 24.4 (8/28/2019) | 6.8 (4/17/2019) | (24.4 - 6.8)/(27 - 25) | 8.8 |
| 3.7 (10/28/2019) | 6.8 (4/17/2019) | (3.7 - 6.8)/(28 - 25) | -1.03333 |

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|---|---|---|---|
| 92 (3/31/2020) | 6.8 (4/17/2019) | (92 - 6.8)/(29 - 25) | 21.3 |
| 21.2 (6/10/2020) | 6.8 (4/17/2019) | (21.2 - 6.8)/(30 - 25) | 2.88 |
| 7.8 (9/21/2020) | 6.8 (4/17/2019) | (7.8 - 6.8)/(31 - 25) | 0.166667 |
| 5.3 (12/17/2020) | 6.8 (4/17/2019) | (5.3 - 6.8)/(32 - 25) | -0.214286 |
| 16.5 (3/18/2021) | 6.8 (4/17/2019) | (16.5 - 6.8)/(33 - 25) | 1.2125 |
| 10.5 (5/5/2021) | 6.8 (4/17/2019) | (10.5 - 6.8)/(34 - 25) | 0.411111 |
| 13.4 (9/2/2021) | 6.8 (4/17/2019) | (13.4 - 6.8)/(35 - 25) | 0.66 |
| 5.3 (11/23/2021) | 6.8 (4/17/2019) | (5.3 - 6.8)/(36 - 25) | -0.136364 |
| 7 (1/10/2022) | 6.8 (4/17/2019) | (7 - 6.8)/(37 - 25) | 0.0166667 |
| 5.3 (4/7/2022) | 6.8 (4/17/2019) | (5.3 - 6.8)/(38 - 25) | -0.115385 |
| 44.4 (8/3/2022) | 6.8 (4/17/2019) | (44.4 - 6.8)/(39 - 25) | 2.68571 |
| 5.5 (11/16/2022) | 6.8 (4/17/2019) | (5.5 - 6.8)/(40 - 25) | -0.0866667 |
| 2.5 (2/13/2023) | 6.8 (4/17/2019) | (2.5 - 6.8)/(41 - 25) | -0.26875 |
| 3.73 (5/24/2023) | 6.8 (4/17/2019) | (3.73 - 6.8)/(42 - 25) | -0.180588 |
| 4 (8/7/2023) | 6.8 (4/17/2019) | (4 - 6.8)/(43 - 25) | -0.155556 |
| 5.5 (12/12/2023) | 6.8 (4/17/2019) | (5.5 - 6.8)/(44 - 25) | -0.0684211 |
| 6.71 (1/10/2024) | 6.8 (4/17/2019) | (6.71 - 6.8)/(45 - 25) | -0.0045 |
| 32.7 (5/20/2024) | 6.8 (4/17/2019) | (32.7 - 6.8)/(46 - 25) | 1.23333 |
| 14.8 (9/16/2024) | 6.8 (4/17/2019) | (14.8 - 6.8)/(47 - 25) | 0.363636 |
| 7.5 (12/11/2024) | 6.8 (4/17/2019) | (7.5 - 6.8)/(48 - 25) | 0.0304348 |
| 20 (2/18/2025) | 6.8 (4/17/2019) | (20 - 6.8)/(49 - 25) | 0.55 |
| | | | |
| 24.4 (8/28/2019) | ND<6.25 U (6/11/2019) | (24.4 - 6.25)/(27 - 26) | 18.15 |
| 3.7 (10/28/2019) | ND<6.25 U (6/11/2019) | (3.7 - 6.25)/(28 - 26) | -1.275 |
| 92 (3/31/2020) | ND<6.25 U (6/11/2019) | (92 - 6.25)/(29 - 26) | 28.5833 |
| 21.2 (6/10/2020) | ND<6.25 U (6/11/2019) | (21.2 - 6.25)/(30 - 26) | 3.7375 |
| 7.8 (9/21/2020) | ND<6.25 U (6/11/2019) | (7.8 - 6.25)/(31 - 26) | 0.31 |
| 5.3 (12/17/2020) | ND<6.25 U (6/11/2019) | (5.3 - 6.25)/(32 - 26) | -0.158333 |
| 16.5 (3/18/2021) | ND<6.25 U (6/11/2019) | (16.5 - 6.25)/(33 - 26) | 1.46429 |
| 10.5 (5/5/2021) | ND<6.25 U (6/11/2019) | (10.5 - 6.25)/(34 - 26) | 0.53125 |
| 13.4 (9/2/2021) | ND<6.25 U (6/11/2019) | (13.4 - 6.25)/(35 - 26) | 0.794444 |
| 5.3 (11/23/2021) | ND<6.25 U (6/11/2019) | (5.3 - 6.25)/(36 - 26) | -0.095 |
| 7 (1/10/2022) | ND<6.25 U (6/11/2019) | (7 - 6.25)/(37 - 26) | 0.0681818 |
| 5.3 (4/7/2022) | ND<6.25 U (6/11/2019) | (5.3 - 6.25)/(38 - 26) | -0.0791667 |
| 44.4 (8/3/2022) | ND<6.25 U (6/11/2019) | (44.4 - 6.25)/(39 - 26) | 2.93462 |
| 5.5 (11/16/2022) | ND<6.25 U (6/11/2019) | (5.5 - 6.25)/(40 - 26) | -0.0535714 |
| 2.5 (2/13/2023) | ND<6.25 U (6/11/2019) | (2.5 - 6.25)/(41 - 26) | -0.25 |
| 3.73 (5/24/2023) | ND<6.25 U (6/11/2019) | (3.73 - 6.25)/(42 - 26) | -0.1575 |
| 4 (8/7/2023) | ND<6.25 U (6/11/2019) | (4 - 6.25)/(43 - 26) | -0.132353 |
| 5.5 (12/12/2023) | ND<6.25 U (6/11/2019) | (5.5 - 6.25)/(44 - 26) | -0.0416667 |
| 6.71 (1/10/2024) | ND<6.25 U (6/11/2019) | (6.71 - 6.25)/(45 - 26) | 0.0242105 |
| 32.7 (5/20/2024) | ND<6.25 U (6/11/2019) | (32.7 - 6.25)/(46 - 26) | 1.3225 |
| 14.8 (9/16/2024) | ND<6.25 U (6/11/2019) | (14.8 - 6.25)/(47 - 26) | 0.407143 |
| 7.5 (12/11/2024) | ND<6.25 U (6/11/2019) | (7.5 - 6.25)/(48 - 26) | 0.0568182 |
| 20 (2/18/2025) | ND<6.25 U (6/11/2019) | (20 - 6.25)/(49 - 26) | 0.597826 |
| | | | |
| 3.7 (10/28/2019) | 24.4 (8/28/2019) | (3.7 - 24.4)/(28 - 27) | -20.7 |
| 92 (3/31/2020) | 24.4 (8/28/2019) | (92 - 24.4)/(29 - 27) | 33.8 |
| 21.2 (6/10/2020) | 24.4 (8/28/2019) | (21.2 - 24.4)/(30 - 27) | -1.06667 |
| 7.8 (9/21/2020) | 24.4 (8/28/2019) | (7.8 - 24.4)/(31 - 27) | -4.15 |
| 5.3 (12/17/2020) | 24.4 (8/28/2019) | (5.3 - 24.4)/(32 - 27) | -3.82 |
| 16.5 (3/18/2021) | 24.4 (8/28/2019) | (16.5 - 24.4)/(33 - 27) | -1.31667 |
| 10.5 (5/5/2021) | 24.4 (8/28/2019) | (10.5 - 24.4)/(34 - 27) | -1.98571 |
| 13.4 (9/2/2021) | 24.4 (8/28/2019) | (13.4 - 24.4)/(35 - 27) | -1.375 |
| 5.3 (11/23/2021) | 24.4 (8/28/2019) | (5.3 - 24.4)/(36 - 27) | -2.12222 |
| 7 (1/10/2022) | 24.4 (8/28/2019) | (7 - 24.4)/(37 - 27) | -1.74 |
| 5.3 (4/7/2022) | 24.4 (8/28/2019) | (5.3 - 24.4)/(38 - 27) | -1.73636 |

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|---|---|---|---|
| 44.4 (8/3/2022) | 24.4 (8/28/2019) | (44.4 - 24.4)/(39 - 27) | 1.66667 |
| 5.5 (11/16/2022) | 24.4 (8/28/2019) | (5.5 - 24.4)/(40 - 27) | -1.45385 |
| 2.5 (2/13/2023) | 24.4 (8/28/2019) | (2.5 - 24.4)/(41 - 27) | -1.56429 |
| 3.73 (5/24/2023) | 24.4 (8/28/2019) | (3.73 - 24.4)/(42 - 27) | -1.378 |
| 4 (8/7/2023) | 24.4 (8/28/2019) | (4 - 24.4)/(43 - 27) | -1.275 |
| 5.5 (12/12/2023) | 24.4 (8/28/2019) | (5.5 - 24.4)/(44 - 27) | -1.11176 |
| 6.71 (1/10/2024) | 24.4 (8/28/2019) | (6.71 - 24.4)/(45 - 27) | -0.982778 |
| 32.7 (5/20/2024) | 24.4 (8/28/2019) | (32.7 - 24.4)/(46 - 27) | 0.436842 |
| 14.8 (9/16/2024) | 24.4 (8/28/2019) | (14.8 - 24.4)/(47 - 27) | -0.48 |
| 7.5 (12/11/2024) | 24.4 (8/28/2019) | (7.5 - 24.4)/(48 - 27) | -0.804762 |
| 20 (2/18/2025) | 24.4 (8/28/2019) | (20 - 24.4)/(49 - 27) | -0.2 |
| | | | |
| 92 (3/31/2020) | 3.7 (10/28/2019) | (92 - 3.7)/(29 - 28) | 88.3 |
| 21.2 (6/10/2020) | 3.7 (10/28/2019) | (21.2 - 3.7)/(30 - 28) | 8.75 |
| 7.8 (9/21/2020) | 3.7 (10/28/2019) | (7.8 - 3.7)/(31 - 28) | 1.36667 |
| 5.3 (12/17/2020) | 3.7 (10/28/2019) | (5.3 - 3.7)/(32 - 28) | 0.4 |
| 16.5 (3/18/2021) | 3.7 (10/28/2019) | (16.5 - 3.7)/(33 - 28) | 2.56 |
| 10.5 (5/5/2021) | 3.7 (10/28/2019) | (10.5 - 3.7)/(34 - 28) | 1.13333 |
| 13.4 (9/2/2021) | 3.7 (10/28/2019) | (13.4 - 3.7)/(35 - 28) | 1.38571 |
| 5.3 (11/23/2021) | 3.7 (10/28/2019) | (5.3 - 3.7)/(36 - 28) | 0.2 |
| 7 (1/10/2022) | 3.7 (10/28/2019) | (7 - 3.7)/(37 - 28) | 0.366667 |
| 5.3 (4/7/2022) | 3.7 (10/28/2019) | (5.3 - 3.7)/(38 - 28) | 0.16 |
| 44.4 (8/3/2022) | 3.7 (10/28/2019) | (44.4 - 3.7)/(39 - 28) | 3.7 |
| 5.5 (11/16/2022) | 3.7 (10/28/2019) | (5.5 - 3.7)/(40 - 28) | 0.15 |
| 2.5 (2/13/2023) | 3.7 (10/28/2019) | (2.5 - 3.7)/(41 - 28) | -0.0923077 |
| 3.73 (5/24/2023) | 3.7 (10/28/2019) | (3.73 - 3.7)/(42 - 28) | 0.00214286 |
| 4 (8/7/2023) | 3.7 (10/28/2019) | (4 - 3.7)/(43 - 28) | 0.02 |
| 5.5 (12/12/2023) | 3.7 (10/28/2019) | (5.5 - 3.7)/(44 - 28) | 0.1125 |
| 6.71 (1/10/2024) | 3.7 (10/28/2019) | (6.71 - 3.7)/(45 - 28) | 0.177059 |
| 32.7 (5/20/2024) | 3.7 (10/28/2019) | (32.7 - 3.7)/(46 - 28) | 1.61111 |
| 14.8 (9/16/2024) | 3.7 (10/28/2019) | (14.8 - 3.7)/(47 - 28) | 0.584211 |
| 7.5 (12/11/2024) | 3.7 (10/28/2019) | (7.5 - 3.7)/(48 - 28) | 0.19 |
| 20 (2/18/2025) | 3.7 (10/28/2019) | (20 - 3.7)/(49 - 28) | 0.77619 |
| | | | |
| 21.2 (6/10/2020) | 92 (3/31/2020) | (21.2 - 92)/(30 - 29) | -70.8 |
| 7.8 (9/21/2020) | 92 (3/31/2020) | (7.8 - 92)/(31 - 29) | -42.1 |
| 5.3 (12/17/2020) | 92 (3/31/2020) | (5.3 - 92)/(32 - 29) | -28.9 |
| 16.5 (3/18/2021) | 92 (3/31/2020) | (16.5 - 92)/(33 - 29) | -18.875 |
| 10.5 (5/5/2021) | 92 (3/31/2020) | (10.5 - 92)/(34 - 29) | -16.3 |
| 13.4 (9/2/2021) | 92 (3/31/2020) | (13.4 - 92)/(35 - 29) | -13.1 |
| 5.3 (11/23/2021) | 92 (3/31/2020) | (5.3 - 92)/(36 - 29) | -12.3857 |
| 7 (1/10/2022) | 92 (3/31/2020) | (7 - 92)/(37 - 29) | -10.625 |
| 5.3 (4/7/2022) | 92 (3/31/2020) | (5.3 - 92)/(38 - 29) | -9.63333 |
| 44.4 (8/3/2022) | 92 (3/31/2020) | (44.4 - 92)/(39 - 29) | -4.76 |
| 5.5 (11/16/2022) | 92 (3/31/2020) | (5.5 - 92)/(40 - 29) | -7.86364 |
| 2.5 (2/13/2023) | 92 (3/31/2020) | (2.5 - 92)/(41 - 29) | -7.45833 |
| 3.73 (5/24/2023) | 92 (3/31/2020) | (3.73 - 92)/(42 - 29) | -6.79 |
| 4 (8/7/2023) | 92 (3/31/2020) | (4 - 92)/(43 - 29) | -6.28571 |
| 5.5 (12/12/2023) | 92 (3/31/2020) | (5.5 - 92)/(44 - 29) | -5.76667 |
| 6.71 (1/10/2024) | 92 (3/31/2020) | (6.71 - 92)/(45 - 29) | -5.33063 |
| 32.7 (5/20/2024) | 92 (3/31/2020) | (32.7 - 92)/(46 - 29) | -3.48824 |
| 14.8 (9/16/2024) | 92 (3/31/2020) | (14.8 - 92)/(47 - 29) | -4.28889 |
| 7.5 (12/11/2024) | 92 (3/31/2020) | (7.5 - 92)/(48 - 29) | -4.44737 |
| 20 (2/18/2025) | 92 (3/31/2020) | (20 - 92)/(49 - 29) | -3.6 |
| | | | |
| 7.8 (9/21/2020) | 21.2 (6/10/2020) | (7.8 - 21.2)/(31 - 30) | -13.4 |
| 5.3 (12/17/2020) | 21.2 (6/10/2020) | (5.3 - 21.2)/(32 - 30) | -7.95 |

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| 16.5 (3/18/2021) | 21.2 (6/10/2020) | (16.5 - 21.2)/(33 - 30) | -1.56667 |
| 10.5 (5/5/2021) | 21.2 (6/10/2020) | (10.5 - 21.2)/(34 - 30) | -2.675 |
| 13.4 (9/2/2021) | 21.2 (6/10/2020) | (13.4 - 21.2)/(35 - 30) | -1.56 |
| 5.3 (11/23/2021) | 21.2 (6/10/2020) | (5.3 - 21.2)/(36 - 30) | -2.65 |
| 7 (1/10/2022) | 21.2 (6/10/2020) | (7 - 21.2)/(37 - 30) | -2.02857 |
| 5.3 (4/7/2022) | 21.2 (6/10/2020) | (5.3 - 21.2)/(38 - 30) | -1.9875 |
| 44.4 (8/3/2022) | 21.2 (6/10/2020) | (44.4 - 21.2)/(39 - 30) | 2.57778 |
| 5.5 (11/16/2022) | 21.2 (6/10/2020) | (5.5 - 21.2)/(40 - 30) | -1.57 |
| 2.5 (2/13/2023) | 21.2 (6/10/2020) | (2.5 - 21.2)/(41 - 30) | -1.7 |
| 3.73 (5/24/2023) | 21.2 (6/10/2020) | (3.73 - 21.2)/(42 - 30) | -1.45583 |
| 4 (8/7/2023) | 21.2 (6/10/2020) | (4 - 21.2)/(43 - 30) | -1.32308 |
| 5.5 (12/12/2023) | 21.2 (6/10/2020) | (5.5 - 21.2)/(44 - 30) | -1.12143 |
| 6.71 (1/10/2024) | 21.2 (6/10/2020) | (6.71 - 21.2)/(45 - 30) | -0.966 |
| 32.7 (5/20/2024) | 21.2 (6/10/2020) | (32.7 - 21.2)/(46 - 30) | 0.71875 |
| 14.8 (9/16/2024) | 21.2 (6/10/2020) | (14.8 - 21.2)/(47 - 30) | -0.376471 |
| 7.5 (12/11/2024) | 21.2 (6/10/2020) | (7.5 - 21.2)/(48 - 30) | -0.761111 |
| 20 (2/18/2025) | 21.2 (6/10/2020) | (20 - 21.2)/(49 - 30) | -0.0631579 |
| | | | |
| 5.3 (12/17/2020) | 7.8 (9/21/2020) | (5.3 - 7.8)/(32 - 31) | -2.5 |
| 16.5 (3/18/2021) | 7.8 (9/21/2020) | (16.5 - 7.8)/(33 - 31) | 4.35 |
| 10.5 (5/5/2021) | 7.8 (9/21/2020) | (10.5 - 7.8)/(34 - 31) | 0.9 |
| 13.4 (9/2/2021) | 7.8 (9/21/2020) | (13.4 - 7.8)/(35 - 31) | 1.4 |
| 5.3 (11/23/2021) | 7.8 (9/21/2020) | (5.3 - 7.8)/(36 - 31) | -0.5 |
| 7 (1/10/2022) | 7.8 (9/21/2020) | (7 - 7.8)/(37 - 31) | -0.133333 |
| 5.3 (4/7/2022) | 7.8 (9/21/2020) | (5.3 - 7.8)/(38 - 31) | -0.357143 |
| 44.4 (8/3/2022) | 7.8 (9/21/2020) | (44.4 - 7.8)/(39 - 31) | 4.575 |
| 5.5 (11/16/2022) | 7.8 (9/21/2020) | (5.5 - 7.8)/(40 - 31) | -0.255556 |
| 2.5 (2/13/2023) | 7.8 (9/21/2020) | (2.5 - 7.8)/(41 - 31) | -0.53 |
| 3.73 (5/24/2023) | 7.8 (9/21/2020) | (3.73 - 7.8)/(42 - 31) | -0.37 |
| 4 (8/7/2023) | 7.8 (9/21/2020) | (4 - 7.8)/(43 - 31) | -0.316667 |
| 5.5 (12/12/2023) | 7.8 (9/21/2020) | (5.5 - 7.8)/(44 - 31) | -0.176923 |
| 6.71 (1/10/2024) | 7.8 (9/21/2020) | (6.71 - 7.8)/(45 - 31) | -0.0778571 |
| 32.7 (5/20/2024) | 7.8 (9/21/2020) | (32.7 - 7.8)/(46 - 31) | 1.66 |
| 14.8 (9/16/2024) | 7.8 (9/21/2020) | (14.8 - 7.8)/(47 - 31) | 0.4375 |
| 7.5 (12/11/2024) | 7.8 (9/21/2020) | (7.5 - 7.8)/(48 - 31) | -0.0176471 |
| 20 (2/18/2025) | 7.8 (9/21/2020) | (20 - 7.8)/(49 - 31) | 0.677778 |
| | | | |
| 16.5 (3/18/2021) | 5.3 (12/17/2020) | (16.5 - 5.3)/(33 - 32) | 11.2 |
| 10.5 (5/5/2021) | 5.3 (12/17/2020) | (10.5 - 5.3)/(34 - 32) | 2.6 |
| 13.4 (9/2/2021) | 5.3 (12/17/2020) | (13.4 - 5.3)/(35 - 32) | 2.7 |
| 5.3 (11/23/2021) | 5.3 (12/17/2020) | (5.3 - 5.3)/(36 - 32) | 0 |
| 7 (1/10/2022) | 5.3 (12/17/2020) | (7 - 5.3)/(37 - 32) | 0.34 |
| 5.3 (4/7/2022) | 5.3 (12/17/2020) | (5.3 - 5.3)/(38 - 32) | 0 |
| 44.4 (8/3/2022) | 5.3 (12/17/2020) | (44.4 - 5.3)/(39 - 32) | 5.58571 |
| 5.5 (11/16/2022) | 5.3 (12/17/2020) | (5.5 - 5.3)/(40 - 32) | 0.025 |
| 2.5 (2/13/2023) | 5.3 (12/17/2020) | (2.5 - 5.3)/(41 - 32) | -0.311111 |
| 3.73 (5/24/2023) | 5.3 (12/17/2020) | (3.73 - 5.3)/(42 - 32) | -0.157 |
| 4 (8/7/2023) | 5.3 (12/17/2020) | (4 - 5.3)/(43 - 32) | -0.118182 |
| 5.5 (12/12/2023) | 5.3 (12/17/2020) | (5.5 - 5.3)/(44 - 32) | 0.0166667 |
| 6.71 (1/10/2024) | 5.3 (12/17/2020) | (6.71 - 5.3)/(45 - 32) | 0.108462 |
| 32.7 (5/20/2024) | 5.3 (12/17/2020) | (32.7 - 5.3)/(46 - 32) | 1.95714 |
| 14.8 (9/16/2024) | 5.3 (12/17/2020) | (14.8 - 5.3)/(47 - 32) | 0.633333 |
| 7.5 (12/11/2024) | 5.3 (12/17/2020) | (7.5 - 5.3)/(48 - 32) | 0.1375 |
| 20 (2/18/2025) | 5.3 (12/17/2020) | (20 - 5.3)/(49 - 32) | 0.864706 |
| | | | |
| 10.5 (5/5/2021) | 16.5 (3/18/2021) | (10.5 - 16.5)/(34 - 33) | -6 |
| 13.4 (9/2/2021) | 16.5 (3/18/2021) | (13.4 - 16.5)/(35 - 33) | -1.55 |

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| 5.3 (11/23/2021) | 16.5 (3/18/2021) | (5.3 - 16.5)/(36 - 33) | -3.73333 |
| 7 (1/10/2022) | 16.5 (3/18/2021) | (7 - 16.5)/(37 - 33) | -2.375 |
| 5.3 (4/7/2022) | 16.5 (3/18/2021) | (5.3 - 16.5)/(38 - 33) | -2.24 |
| 44.4 (8/3/2022) | 16.5 (3/18/2021) | (44.4 - 16.5)/(39 - 33) | 4.65 |
| 5.5 (11/16/2022) | 16.5 (3/18/2021) | (5.5 - 16.5)/(40 - 33) | -1.57143 |
| 2.5 (2/13/2023) | 16.5 (3/18/2021) | (2.5 - 16.5)/(41 - 33) | -1.75 |
| 3.73 (5/24/2023) | 16.5 (3/18/2021) | (3.73 - 16.5)/(42 - 33) | -1.41889 |
| 4 (8/7/2023) | 16.5 (3/18/2021) | (4 - 16.5)/(43 - 33) | -1.25 |
| 5.5 (12/12/2023) | 16.5 (3/18/2021) | (5.5 - 16.5)/(44 - 33) | -1 |
| 6.71 (1/10/2024) | 16.5 (3/18/2021) | (6.71 - 16.5)/(45 - 33) | -0.815833 |
| 32.7 (5/20/2024) | 16.5 (3/18/2021) | (32.7 - 16.5)/(46 - 33) | 1.24615 |
| 14.8 (9/16/2024) | 16.5 (3/18/2021) | (14.8 - 16.5)/(47 - 33) | -0.121429 |
| 7.5 (12/11/2024) | 16.5 (3/18/2021) | (7.5 - 16.5)/(48 - 33) | -0.6 |
| 20 (2/18/2025) | 16.5 (3/18/2021) | (20 - 16.5)/(49 - 33) | 0.21875 |
| | | | |
| 13.4 (9/2/2021) | 10.5 (5/5/2021) | (13.4 - 10.5)/(35 - 34) | 2.9 |
| 5.3 (11/23/2021) | 10.5 (5/5/2021) | (5.3 - 10.5)/(36 - 34) | -2.6 |
| 7 (1/10/2022) | 10.5 (5/5/2021) | (7 - 10.5)/(37 - 34) | -1.16667 |
| 5.3 (4/7/2022) | 10.5 (5/5/2021) | (5.3 - 10.5)/(38 - 34) | -1.3 |
| 44.4 (8/3/2022) | 10.5 (5/5/2021) | (44.4 - 10.5)/(39 - 34) | 6.78 |
| 5.5 (11/16/2022) | 10.5 (5/5/2021) | (5.5 - 10.5)/(40 - 34) | -0.833333 |
| 2.5 (2/13/2023) | 10.5 (5/5/2021) | (2.5 - 10.5)/(41 - 34) | -1.14286 |
| 3.73 (5/24/2023) | 10.5 (5/5/2021) | (3.73 - 10.5)/(42 - 34) | -0.84625 |
| 4 (8/7/2023) | 10.5 (5/5/2021) | (4 - 10.5)/(43 - 34) | -0.722222 |
| 5.5 (12/12/2023) | 10.5 (5/5/2021) | (5.5 - 10.5)/(44 - 34) | -0.5 |
| 6.71 (1/10/2024) | 10.5 (5/5/2021) | (6.71 - 10.5)/(45 - 34) | -0.344545 |
| 32.7 (5/20/2024) | 10.5 (5/5/2021) | (32.7 - 10.5)/(46 - 34) | 1.85 |
| 14.8 (9/16/2024) | 10.5 (5/5/2021) | (14.8 - 10.5)/(47 - 34) | 0.330769 |
| 7.5 (12/11/2024) | 10.5 (5/5/2021) | (7.5 - 10.5)/(48 - 34) | -0.214286 |
| 20 (2/18/2025) | 10.5 (5/5/2021) | (20 - 10.5)/(49 - 34) | 0.633333 |
| | | | |
| 5.3 (11/23/2021) | 13.4 (9/2/2021) | (5.3 - 13.4)/(36 - 35) | -8.1 |
| 7 (1/10/2022) | 13.4 (9/2/2021) | (7 - 13.4)/(37 - 35) | -3.2 |
| 5.3 (4/7/2022) | 13.4 (9/2/2021) | (5.3 - 13.4)/(38 - 35) | -2.7 |
| 44.4 (8/3/2022) | 13.4 (9/2/2021) | (44.4 - 13.4)/(39 - 35) | 7.75 |
| 5.5 (11/16/2022) | 13.4 (9/2/2021) | (5.5 - 13.4)/(40 - 35) | -1.58 |
| 2.5 (2/13/2023) | 13.4 (9/2/2021) | (2.5 - 13.4)/(41 - 35) | -1.81667 |
| 3.73 (5/24/2023) | 13.4 (9/2/2021) | (3.73 - 13.4)/(42 - 35) | -1.38143 |
| 4 (8/7/2023) | 13.4 (9/2/2021) | (4 - 13.4)/(43 - 35) | -1.175 |
| 5.5 (12/12/2023) | 13.4 (9/2/2021) | (5.5 - 13.4)/(44 - 35) | -0.877778 |
| 6.71 (1/10/2024) | 13.4 (9/2/2021) | (6.71 - 13.4)/(45 - 35) | -0.669 |
| 32.7 (5/20/2024) | 13.4 (9/2/2021) | (32.7 - 13.4)/(46 - 35) | 1.75455 |
| 14.8 (9/16/2024) | 13.4 (9/2/2021) | (14.8 - 13.4)/(47 - 35) | 0.116667 |
| 7.5 (12/11/2024) | 13.4 (9/2/2021) | (7.5 - 13.4)/(48 - 35) | -0.453846 |
| 20 (2/18/2025) | 13.4 (9/2/2021) | (20 - 13.4)/(49 - 35) | 0.471429 |
| | | | |
| 7 (1/10/2022) | 5.3 (11/23/2021) | (7 - 5.3)/(37 - 36) | 1.7 |
| 5.3 (4/7/2022) | 5.3 (11/23/2021) | (5.3 - 5.3)/(38 - 36) | 0 |
| 44.4 (8/3/2022) | 5.3 (11/23/2021) | (44.4 - 5.3)/(39 - 36) | 13.0333 |
| 5.5 (11/16/2022) | 5.3 (11/23/2021) | (5.5 - 5.3)/(40 - 36) | 0.05 |
| 2.5 (2/13/2023) | 5.3 (11/23/2021) | (2.5 - 5.3)/(41 - 36) | -0.56 |
| 3.73 (5/24/2023) | 5.3 (11/23/2021) | (3.73 - 5.3)/(42 - 36) | -0.261667 |
| 4 (8/7/2023) | 5.3 (11/23/2021) | (4 - 5.3)/(43 - 36) | -0.185714 |
| 5.5 (12/12/2023) | 5.3 (11/23/2021) | (5.5 - 5.3)/(44 - 36) | 0.025 |
| 6.71 (1/10/2024) | 5.3 (11/23/2021) | (6.71 - 5.3)/(45 - 36) | 0.156667 |
| 32.7 (5/20/2024) | 5.3 (11/23/2021) | (32.7 - 5.3)/(46 - 36) | 2.74 |
| 14.8 (9/16/2024) | 5.3 (11/23/2021) | (14.8 - 5.3)/(47 - 36) | 0.863636 |

| | | | |
|---|---|---|---|
| 7.5 (12/11/2024) | 5.3 (11/23/2021) | (7.5 - 5.3)/(48 - 36) | 0.183333 |
| 20 (2/18/2025) | 5.3 (11/23/2021) | (20 - 5.3)/(49 - 36) | 1.13077 |
| | | | |
| 5.3 (4/7/2022) | 7 (1/10/2022) | (5.3 - 7)/(38 - 37) | -1.7 |
| 44.4 (8/3/2022) | 7 (1/10/2022) | (44.4 - 7)/(39 - 37) | 18.7 |
| 5.5 (11/16/2022) | 7 (1/10/2022) | (5.5 - 7)/(40 - 37) | -0.5 |
| 2.5 (2/13/2023) | 7 (1/10/2022) | (2.5 - 7)/(41 - 37) | -1.125 |
| 3.73 (5/24/2023) | 7 (1/10/2022) | (3.73 - 7)/(42 - 37) | -0.654 |
| 4 (8/7/2023) | 7 (1/10/2022) | (4 - 7)/(43 - 37) | -0.5 |
| 5.5 (12/12/2023) | 7 (1/10/2022) | (5.5 - 7)/(44 - 37) | -0.214286 |
| 6.71 (1/10/2024) | 7 (1/10/2022) | (6.71 - 7)/(45 - 37) | -0.03625 |
| 32.7 (5/20/2024) | 7 (1/10/2022) | (32.7 - 7)/(46 - 37) | 2.85556 |
| 14.8 (9/16/2024) | 7 (1/10/2022) | (14.8 - 7)/(47 - 37) | 0.78 |
| 7.5 (12/11/2024) | 7 (1/10/2022) | (7.5 - 7)/(48 - 37) | 0.0454545 |
| 20 (2/18/2025) | 7 (1/10/2022) | (20 - 7)/(49 - 37) | 1.08333 |
| | | | |
| 44.4 (8/3/2022) | 5.3 (4/7/2022) | (44.4 - 5.3)/(39 - 38) | 39.1 |
| 5.5 (11/16/2022) | 5.3 (4/7/2022) | (5.5 - 5.3)/(40 - 38) | 0.1 |
| 2.5 (2/13/2023) | 5.3 (4/7/2022) | (2.5 - 5.3)/(41 - 38) | -0.933333 |
| 3.73 (5/24/2023) | 5.3 (4/7/2022) | (3.73 - 5.3)/(42 - 38) | -0.3925 |
| 4 (8/7/2023) | 5.3 (4/7/2022) | (4 - 5.3)/(43 - 38) | -0.26 |
| 5.5 (12/12/2023) | 5.3 (4/7/2022) | (5.5 - 5.3)/(44 - 38) | 0.0333333 |
| 6.71 (1/10/2024) | 5.3 (4/7/2022) | (6.71 - 5.3)/(45 - 38) | 0.201429 |
| 32.7 (5/20/2024) | 5.3 (4/7/2022) | (32.7 - 5.3)/(46 - 38) | 3.425 |
| 14.8 (9/16/2024) | 5.3 (4/7/2022) | (14.8 - 5.3)/(47 - 38) | 1.05556 |
| 7.5 (12/11/2024) | 5.3 (4/7/2022) | (7.5 - 5.3)/(48 - 38) | 0.22 |
| 20 (2/18/2025) | 5.3 (4/7/2022) | (20 - 5.3)/(49 - 38) | 1.33636 |
| | | | |
| 5.5 (11/16/2022) | 44.4 (8/3/2022) | (5.5 - 44.4)/(40 - 39) | -38.9 |
| 2.5 (2/13/2023) | 44.4 (8/3/2022) | (2.5 - 44.4)/(41 - 39) | -20.95 |
| 3.73 (5/24/2023) | 44.4 (8/3/2022) | (3.73 - 44.4)/(42 - 39) | -13.5567 |
| 4 (8/7/2023) | 44.4 (8/3/2022) | (4 - 44.4)/(43 - 39) | -10.1 |
| 5.5 (12/12/2023) | 44.4 (8/3/2022) | (5.5 - 44.4)/(44 - 39) | -7.78 |
| 6.71 (1/10/2024) | 44.4 (8/3/2022) | (6.71 - 44.4)/(45 - 39) | -6.28167 |
| 32.7 (5/20/2024) | 44.4 (8/3/2022) | (32.7 - 44.4)/(46 - 39) | -1.67143 |
| 14.8 (9/16/2024) | 44.4 (8/3/2022) | (14.8 - 44.4)/(47 - 39) | -3.7 |
| 7.5 (12/11/2024) | 44.4 (8/3/2022) | (7.5 - 44.4)/(48 - 39) | -4.1 |
| 20 (2/18/2025) | 44.4 (8/3/2022) | (20 - 44.4)/(49 - 39) | -2.44 |
| | | | |
| 2.5 (2/13/2023) | 5.5 (11/16/2022) | (2.5 - 5.5)/(41 - 40) | -3 |
| 3.73 (5/24/2023) | 5.5 (11/16/2022) | (3.73 - 5.5)/(42 - 40) | -0.885 |
| 4 (8/7/2023) | 5.5 (11/16/2022) | (4 - 5.5)/(43 - 40) | -0.5 |
| 5.5 (12/12/2023) | 5.5 (11/16/2022) | (5.5 - 5.5)/(44 - 40) | 0 |
| 6.71 (1/10/2024) | 5.5 (11/16/2022) | (6.71 - 5.5)/(45 - 40) | 0.242 |
| 32.7 (5/20/2024) | 5.5 (11/16/2022) | (32.7 - 5.5)/(46 - 40) | 4.53333 |
| 14.8 (9/16/2024) | 5.5 (11/16/2022) | (14.8 - 5.5)/(47 - 40) | 1.32857 |
| 7.5 (12/11/2024) | 5.5 (11/16/2022) | (7.5 - 5.5)/(48 - 40) | 0.25 |
| 20 (2/18/2025) | 5.5 (11/16/2022) | (20 - 5.5)/(49 - 40) | 1.61111 |
| | | | |
| 3.73 (5/24/2023) | 2.5 (2/13/2023) | (3.73 - 2.5)/(42 - 41) | 1.23 |
| 4 (8/7/2023) | 2.5 (2/13/2023) | (4 - 2.5)/(43 - 41) | 0.75 |
| 5.5 (12/12/2023) | 2.5 (2/13/2023) | (5.5 - 2.5)/(44 - 41) | 1 |
| 6.71 (1/10/2024) | 2.5 (2/13/2023) | (6.71 - 2.5)/(45 - 41) | 1.0525 |
| 32.7 (5/20/2024) | 2.5 (2/13/2023) | (32.7 - 2.5)/(46 - 41) | 6.04 |
| 14.8 (9/16/2024) | 2.5 (2/13/2023) | (14.8 - 2.5)/(47 - 41) | 2.05 |
| 7.5 (12/11/2024) | 2.5 (2/13/2023) | (7.5 - 2.5)/(48 - 41) | 0.714286 |
| 20 (2/18/2025) | 2.5 (2/13/2023) | (20 - 2.5)/(49 - 41) | 2.1875 |

| | | | |
|---|---|---|---|
| 4 (8/7/2023) | 3.73 (5/24/2023) | (4 - 3.73)/(43 - 42) | 0.27 |
| 5.5 (12/12/2023) | 3.73 (5/24/2023) | (5.5 - 3.73)/(44 - 42) | 0.885 |
| 6.71 (1/10/2024) | 3.73 (5/24/2023) | (6.71 - 3.73)/(45 - 42) | 0.993333 |
| 32.7 (5/20/2024) | 3.73 (5/24/2023) | (32.7 - 3.73)/(46 - 42) | 7.2425 |
| 14.8 (9/16/2024) | 3.73 (5/24/2023) | (14.8 - 3.73)/(47 - 42) | 2.214 |
| 7.5 (12/11/2024) | 3.73 (5/24/2023) | (7.5 - 3.73)/(48 - 42) | 0.628333 |
| 20 (2/18/2025) | 3.73 (5/24/2023) | (20 - 3.73)/(49 - 42) | 2.32429 |
| | | | |
| 5.5 (12/12/2023) | 4 (8/7/2023) | (5.5 - 4)/(44 - 43) | 1.5 |
| 6.71 (1/10/2024) | 4 (8/7/2023) | (6.71 - 4)/(45 - 43) | 1.355 |
| 32.7 (5/20/2024) | 4 (8/7/2023) | (32.7 - 4)/(46 - 43) | 9.56667 |
| 14.8 (9/16/2024) | 4 (8/7/2023) | (14.8 - 4)/(47 - 43) | 2.7 |
| 7.5 (12/11/2024) | 4 (8/7/2023) | (7.5 - 4)/(48 - 43) | 0.7 |
| 20 (2/18/2025) | 4 (8/7/2023) | (20 - 4)/(49 - 43) | 2.66667 |
| | | | |
| 6.71 (1/10/2024) | 5.5 (12/12/2023) | (6.71 - 5.5)/(45 - 44) | 1.21 |
| 32.7 (5/20/2024) | 5.5 (12/12/2023) | (32.7 - 5.5)/(46 - 44) | 13.6 |
| 14.8 (9/16/2024) | 5.5 (12/12/2023) | (14.8 - 5.5)/(47 - 44) | 3.1 |
| 7.5 (12/11/2024) | 5.5 (12/12/2023) | (7.5 - 5.5)/(48 - 44) | 0.5 |
| 20 (2/18/2025) | 5.5 (12/12/2023) | (20 - 5.5)/(49 - 44) | 2.9 |
| | | | |
| 32.7 (5/20/2024) | 6.71 (1/10/2024) | (32.7 - 6.71)/(46 - 45) | 25.99 |
| 14.8 (9/16/2024) | 6.71 (1/10/2024) | (14.8 - 6.71)/(47 - 45) | 4.045 |
| 7.5 (12/11/2024) | 6.71 (1/10/2024) | (7.5 - 6.71)/(48 - 45) | 0.263333 |
| 20 (2/18/2025) | 6.71 (1/10/2024) | (20 - 6.71)/(49 - 45) | 3.3225 |
| | | | |
| 14.8 (9/16/2024) | 32.7 (5/20/2024) | (14.8 - 32.7)/(47 - 46) | -17.9 |
| 7.5 (12/11/2024) | 32.7 (5/20/2024) | (7.5 - 32.7)/(48 - 46) | -12.6 |
| 20 (2/18/2025) | 32.7 (5/20/2024) | (20 - 32.7)/(49 - 46) | -4.23333 |
| | | | |
| 7.5 (12/11/2024) | 14.8 (9/16/2024) | (7.5 - 14.8)/(48 - 47) | -7.3 |
| 20 (2/18/2025) | 14.8 (9/16/2024) | (20 - 14.8)/(49 - 47) | 2.6 |
| | | | |
| 20 (2/18/2025) | 7.5 (12/11/2024) | (20 - 7.5)/(49 - 48) | 12.5 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -70.8 |
| 2 | -42.1 |
| 3 | -38.9 |
| 4 | -28.9 |
| 5 | -20.95 |
| 6 | -20.7 |
| 7 | -20.4 |
| 8 | -18.875 |
| 9 | -17.9 |
| 10 | -16.3 |
| 11 | -13.5567 |
| 12 | -13.4 |
| 13 | -13.1 |
| 14 | -12.6 |
| 15 | -12.3857 |
| 16 | -11.6 |

| | |
|---|---|
| 17 | -11.4 |
| 18 | -10.625 |
| 19 | -10.1 |
| 20 | -9.7 |
| 21 | -9.63333 |
| 22 | -8.1 |
| 23 | -7.95 |
| 24 | -7.86364 |
| 25 | -7.78 |
| 26 | -7.45833 |
| 27 | -7.3 |
| 28 | -7.2 |
| 29 | -6.79 |
| 30 | -6.7 |
| 31 | -6.28571 |
| 32 | -6.28167 |
| 33 | -6 |
| 34 | -6 |
| 35 | -5.76667 |
| 36 | -5.33063 |
| 37 | -4.76 |
| 38 | -4.65 |
| 39 | -4.44737 |
| 40 | -4.28889 |
| 41 | -4.23333 |
| 42 | -4.2 |
| 43 | -4.15 |
| 44 | -4.1 |
| 45 | -4 |
| 46 | -3.82 |
| 47 | -3.73333 |
| 48 | -3.73333 |
| 49 | -3.7 |
| 50 | -3.6 |
| 51 | -3.48824 |
| 52 | -3.36 |
| 53 | -3.3 |
| 54 | -3.2 |
| 55 | -3.1 |
| 56 | -3 |
| 57 | -2.8 |
| 58 | -2.8 |
| 59 | -2.75 |
| 60 | -2.7 |
| 61 | -2.675 |
| 62 | -2.65 |
| 63 | -2.6 |
| 64 | -2.6 |
| 65 | -2.53333 |
| 66 | -2.5 |
| 67 | -2.44 |
| 68 | -2.375 |
| 69 | -2.35 |
| 70 | -2.24 |
| 71 | -2.2 |
| 72 | -2.15 |
| 73 | -2.12222 |

| | |
|---|---|
| 74 | -2.02857 |
| 75 | -2 |
| 76 | -1.99 |
| 77 | -1.9875 |
| 78 | -1.98571 |
| 79 | -1.97143 |
| 80 | -1.96667 |
| 81 | -1.81667 |
| 82 | -1.8 |
| 83 | -1.78571 |
| 84 | -1.76667 |
| 85 | -1.76429 |
| 86 | -1.75 |
| 87 | -1.74 |
| 88 | -1.73636 |
| 89 | -1.73333 |
| 90 | -1.72 |
| 91 | -1.71111 |
| 92 | -1.7 |
| 93 | -1.7 |
| 94 | -1.67143 |
| 95 | -1.65556 |
| 96 | -1.65556 |
| 97 | -1.61364 |
| 98 | -1.58 |
| 99 | -1.57143 |
| 100 | -1.57 |
| 101 | -1.56667 |
| 102 | -1.56429 |
| 103 | -1.56154 |
| 104 | -1.56 |
| 105 | -1.55 |
| 106 | -1.55 |
| 107 | -1.5 |
| 108 | -1.45583 |
| 109 | -1.45385 |
| 110 | -1.44 |
| 111 | -1.41889 |
| 112 | -1.4 |
| 113 | -1.38143 |
| 114 | -1.378 |
| 115 | -1.375 |
| 116 | -1.35 |
| 117 | -1.32308 |
| 118 | -1.31667 |
| 119 | -1.3 |
| 120 | -1.3 |
| 121 | -1.275 |
| 122 | -1.275 |
| 123 | -1.25 |
| 124 | -1.225 |
| 125 | -1.21667 |
| 126 | -1.2 |
| 127 | -1.175 |
| 128 | -1.175 |
| 129 | -1.16667 |
| 130 | -1.14615 |

| | |
|---|---|
| 131 | -1.14286 |
| 132 | -1.13333 |
| 133 | -1.125 |
| 134 | -1.12143 |
| 135 | -1.11176 |
| 136 | -1.1 |
| 137 | -1.08333 |
| 138 | -1.08 |
| 139 | -1.06667 |
| 140 | -1.06667 |
| 141 | -1.03333 |
| 142 | -1.02308 |
| 143 | -1.0125 |
| 144 | -1 |
| 145 | -1 |
| 146 | -0.993333 |
| 147 | -0.990909 |
| 148 | -0.9875 |
| 149 | -0.983333 |
| 150 | -0.982778 |
| 151 | -0.966 |
| 152 | -0.96 |
| 153 | -0.942857 |
| 154 | -0.933333 |
| 155 | -0.933333 |
| 156 | -0.933333 |
| 157 | -0.91 |
| 158 | -0.9 |
| 159 | -0.890476 |
| 160 | -0.885 |
| 161 | -0.881818 |
| 162 | -0.877778 |
| 163 | -0.866842 |
| 164 | -0.864706 |
| 165 | -0.857143 |
| 166 | -0.84625 |
| 167 | -0.84 |
| 168 | -0.833333 |
| 169 | -0.826923 |
| 170 | -0.81875 |
| 171 | -0.815833 |
| 172 | -0.813043 |
| 173 | -0.81 |
| 174 | -0.804762 |
| 175 | -0.8 |
| 176 | -0.782353 |
| 177 | -0.772727 |
| 178 | -0.771429 |
| 179 | -0.761111 |
| 180 | -0.750741 |
| 181 | -0.75 |
| 182 | -0.74 |
| 183 | -0.74 |
| 184 | -0.733333 |
| 185 | -0.731818 |
| 186 | -0.726667 |
| 187 | -0.725 |

| | |
|---|---|
| 188 | -0.722222 |
| 189 | -0.714286 |
| 190 | -0.710526 |
| 191 | -0.7 |
| 192 | -0.7 |
| 193 | -0.7 |
| 194 | -0.685 |
| 195 | -0.669 |
| 196 | -0.666667 |
| 197 | -0.654 |
| 198 | -0.65 |
| 199 | -0.646522 |
| 200 | -0.644444 |
| 201 | -0.641176 |
| 202 | -0.637931 |
| 203 | -0.62381 |
| 204 | -0.613182 |
| 205 | -0.608333 |
| 206 | -0.6 |
| 207 | -0.59381 |
| 208 | -0.576333 |
| 209 | -0.575 |
| 210 | -0.571429 |
| 211 | -0.566667 |
| 212 | -0.563158 |
| 213 | -0.56 |
| 214 | -0.554545 |
| 215 | -0.55 |
| 216 | -0.54 |
| 217 | -0.535714 |
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| 944 | 0.864706 |
| 945 | 0.866667 |
| 946 | 0.866667 |
| 947 | 0.870588 |
| 948 | 0.875 |
| 949 | 0.876923 |
| 950 | 0.877778 |
| 951 | 0.885 |
| 952 | 0.894444 |
| 953 | 0.9 |
| 954 | 0.9 |
| 955 | 0.9 |
| 956 | 0.904762 |
| 957 | 0.911111 |
| 958 | 0.914286 |
| 959 | 0.922727 |
| 960 | 0.933333 |
| 961 | 0.933333 |
| 962 | 0.9375 |
| 963 | 0.955556 |
| 964 | 0.9625 |
| 965 | 0.966667 |
| 966 | 0.968966 |
| 967 | 0.97 |
| 968 | 0.970588 |
| 969 | 0.980769 |
| 970 | 0.993333 |
| 971 | 1 |
| 972 | 1 |
| 973 | 1 |
| 974 | 1.0125 |
| 975 | 1.01538 |
| 976 | 1.02667 |
| 977 | 1.03158 |
| 978 | 1.03571 |
| 979 | 1.04474 |
| 980 | 1.04595 |
| 981 | 1.05 |
| 982 | 1.0525 |
| 983 | 1.05556 |
| 984 | 1.08333 |
| 985 | 1.09545 |

| | |
|---|---|
| 986 | 1.1 |
| 987 | 1.1 |
| 988 | 1.10857 |
| 989 | 1.12 |
| 990 | 1.12308 |
| 991 | 1.13077 |
| 992 | 1.13333 |
| 993 | 1.13333 |
| 994 | 1.15 |
| 995 | 1.15556 |
| 996 | 1.18 |
| 997 | 1.18182 |
| 998 | 1.18529 |
| 999 | 1.18621 |
| 1000 | 1.2 |
| 1001 | 1.2 |
| 1002 | 1.21 |
| 1003 | 1.2125 |
| 1004 | 1.21667 |
| 1005 | 1.22667 |
| 1006 | 1.23 |
| 1007 | 1.23333 |
| 1008 | 1.24615 |
| 1009 | 1.25455 |
| 1010 | 1.25714 |
| 1011 | 1.26 |
| 1012 | 1.26429 |
| 1013 | 1.26667 |
| 1014 | 1.27692 |
| 1015 | 1.27742 |
| 1016 | 1.28889 |
| 1017 | 1.29 |
| 1018 | 1.3 |
| 1019 | 1.30667 |
| 1020 | 1.3225 |
| 1021 | 1.32857 |
| 1022 | 1.33333 |
| 1023 | 1.33636 |
| 1024 | 1.355 |
| 1025 | 1.36667 |
| 1026 | 1.36667 |
| 1027 | 1.375 |
| 1028 | 1.37857 |
| 1029 | 1.384 |
| 1030 | 1.38571 |
| 1031 | 1.4 |
| 1032 | 1.4 |
| 1033 | 1.4 |
| 1034 | 1.4 |
| 1035 | 1.40714 |
| 1036 | 1.40769 |
| 1037 | 1.4375 |
| 1038 | 1.46429 |
| 1039 | 1.46667 |
| 1040 | 1.48 |
| 1041 | 1.5 |
| 1042 | 1.5 |

| | |
|---|---|
| 1043 | 1.5 |
| 1044 | 1.50476 |
| 1045 | 1.5125 |
| 1046 | 1.52692 |
| 1047 | 1.55 |
| 1048 | 1.56667 |
| 1049 | 1.61111 |
| 1050 | 1.61111 |
| 1051 | 1.62 |
| 1052 | 1.66 |
| 1053 | 1.66667 |
| 1054 | 1.67273 |
| 1055 | 1.7 |
| 1056 | 1.75455 |
| 1057 | 1.76 |
| 1058 | 1.77391 |
| 1059 | 1.80909 |
| 1060 | 1.85 |
| 1061 | 1.89091 |
| 1062 | 1.95714 |
| 1063 | 1.95789 |
| 1064 | 1.97143 |
| 1065 | 1.98 |
| 1066 | 1.99 |
| 1067 | 2 |
| 1068 | 2.01176 |
| 1069 | 2.05 |
| 1070 | 2.06667 |
| 1071 | 2.1 |
| 1072 | 2.13333 |
| 1073 | 2.1875 |
| 1074 | 2.214 |
| 1075 | 2.31667 |
| 1076 | 2.32429 |
| 1077 | 2.37143 |
| 1078 | 2.38667 |
| 1079 | 2.4 |
| 1080 | 2.45 |
| 1081 | 2.45714 |
| 1082 | 2.5 |
| 1083 | 2.52 |
| 1084 | 2.56 |
| 1085 | 2.57778 |
| 1086 | 2.6 |
| 1087 | 2.6 |
| 1088 | 2.6 |
| 1089 | 2.6 |
| 1090 | 2.66667 |
| 1091 | 2.68571 |
| 1092 | 2.7 |
| 1093 | 2.7 |
| 1094 | 2.73333 |
| 1095 | 2.74 |
| 1096 | 2.74286 |
| 1097 | 2.8 |
| 1098 | 2.8 |
| 1099 | 2.84 |

| | |
|---|---|
| 1100 | 2.85556 |
| 1101 | 2.88 |
| 1102 | 2.9 |
| 1103 | 2.9 |
| 1104 | 2.9 |
| 1105 | 2.93462 |
| 1106 | 3.1 |
| 1107 | 3.11786 |
| 1108 | 3.16923 |
| 1109 | 3.1963 |
| 1110 | 3.3225 |
| 1111 | 3.425 |
| 1112 | 3.456 |
| 1113 | 3.63636 |
| 1114 | 3.6625 |
| 1115 | 3.7 |
| 1116 | 3.7375 |
| 1117 | 3.75 |
| 1118 | 3.76522 |
| 1119 | 3.9 |
| 1120 | 3.95 |
| 1121 | 4.045 |
| 1122 | 4.15238 |
| 1123 | 4.22 |
| 1124 | 4.31579 |
| 1125 | 4.33333 |
| 1126 | 4.35 |
| 1127 | 4.53333 |
| 1128 | 4.575 |
| 1129 | 4.6 |
| 1130 | 4.61111 |
| 1131 | 4.65 |
| 1132 | 4.85714 |
| 1133 | 5 |
| 1134 | 5.1 |
| 1135 | 5.12941 |
| 1136 | 5.26667 |
| 1137 | 5.45625 |
| 1138 | 5.48 |
| 1139 | 5.58571 |
| 1140 | 5.8 |
| 1141 | 6.04 |
| 1142 | 6.4 |
| 1143 | 6.6 |
| 1144 | 6.78 |
| 1145 | 6.8 |
| 1146 | 7 |
| 1147 | 7.2 |
| 1148 | 7.2425 |
| 1149 | 7.28333 |
| 1150 | 7.34 |
| 1151 | 7.75 |
| 1152 | 8.2 |
| 1153 | 8.75 |
| 1154 | 8.8 |
| 1155 | 9 |
| 1156 | 9.42222 |

| | |
|---|---|
| 1157 | 9.475 |
| 1158 | 9.56667 |
| 1159 | 9.65 |
| 1160 | 10 |
| 1161 | 11.2 |
| 1162 | 11.6857 |
| 1163 | 11.9667 |
| 1164 | 12.5 |
| 1165 | 13.0333 |
| 1166 | 13.6 |
| 1167 | 14.2 |
| 1168 | 16.68 |
| 1169 | 18.15 |
| 1170 | 18.7 |
| 1171 | 21.3 |
| 1172 | 25.99 |
| 1173 | 28.5833 |
| 1174 | 33.8 |
| 1175 | 39.1 |
| 1176 | 88.3 |

Sen's Estimator (Median Q) is 0.0334615

| Tied Group | Value | Members |
|---|---|---|
| 1 | 4.7 | 2 |
| 2 | 4.8 | 2 |
| 3 | 5.3 | 3 |
| 4 | 5.5 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |

| | |
|---|---|
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 120
B = 0
C = 6
D = 0
E = 12
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13452
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.775
M1 = (1176 - 190.775)/2.0 = 492.613
M2 = (1176 + 190.775)/2.0 + 1 = 684.387
Lower limit is -0.0348 = Q(493)
Upper limit is 0.142857 = Q(684)
-0.0348 < 0 < 0.142857 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SS 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 5 (5/8/2013) | 4.7 (3/12/2013) | (5 - 4.7)/(2 - 1) | 0.3 |
| ND<2.5 U (9/23/2013) | 4.7 (3/12/2013) | (2.5 - 4.7)/(3 - 1) | -1.1 |
| 9.2 (12/10/2013) | 4.7 (3/12/2013) | (9.2 - 4.7)/(4 - 1) | 1.5 |
| 14 (2/6/2014) | 4.7 (3/12/2013) | (14 - 4.7)/(5 - 1) | 2.325 |
| ND<2.5 U (6/26/2014) | 4.7 (3/12/2013) | (2.5 - 4.7)/(6 - 1) | -0.44 |
| 6.1 (9/30/2014) | 4.7 (3/12/2013) | (6.1 - 4.7)/(7 - 1) | 0.233333 |
| 9.2 (11/19/2014) | 4.7 (3/12/2013) | (9.2 - 4.7)/(8 - 1) | 0.642857 |
| 11 (3/23/2015) | 4.7 (3/12/2013) | (11 - 4.7)/(9 - 1) | 0.7875 |
| 6.3 (4/22/2015) | 4.7 (3/12/2013) | (6.3 - 4.7)/(10 - 1) | 0.177778 |
| 6.6 (9/30/2015) | 4.7 (3/12/2013) | (6.6 - 4.7)/(11 - 1) | 0.19 |
| 23.3 (11/19/2015) | 4.7 (3/12/2013) | (23.3 - 4.7)/(12 - 1) | 1.69091 |
| 8.1 (3/15/2016) | 4.7 (3/12/2013) | (8.1 - 4.7)/(13 - 1) | 0.283333 |
| 6 (6/29/2016) | 4.7 (3/12/2013) | (6 - 4.7)/(14 - 1) | 0.1 |
| 12.7 (8/9/2016) | 4.7 (3/12/2013) | (12.7 - 4.7)/(15 - 1) | 0.571429 |
| ND<2.5 U (12/7/2016) | 4.7 (3/12/2013) | (2.5 - 4.7)/(16 - 1) | -0.146667 |
| 9.2 (3/2/2017) | 4.7 (3/12/2013) | (9.2 - 4.7)/(17 - 1) | 0.28125 |
| 63.7 (6/21/2017) | 4.7 (3/12/2013) | (63.7 - 4.7)/(18 - 1) | 3.47059 |
| 24.8 (8/17/2017) | 4.7 (3/12/2013) | (24.8 - 4.7)/(19 - 1) | 1.11667 |
| 3.6 (10/26/2017) | 4.7 (3/12/2013) | (3.6 - 4.7)/(20 - 1) | -0.0578947 |
| 8.2 (3/27/2018) | 4.7 (3/12/2013) | (8.2 - 4.7)/(21 - 1) | 0.175 |
| 18.7 (6/26/2018) | 4.7 (3/12/2013) | (18.7 - 4.7)/(22 - 1) | 0.666667 |
| 60 (8/1/2018) | 4.7 (3/12/2013) | (60 - 4.7)/(23 - 1) | 2.51364 |
| 4.3 (12/11/2018) | 4.7 (3/12/2013) | (4.3 - 4.7)/(24 - 1) | -0.0173913 |
| 6.7 (4/17/2019) | 4.7 (3/12/2013) | (6.7 - 4.7)/(25 - 1) | 0.0833333 |
| 5.9 (6/11/2019) | 4.7 (3/12/2013) | (5.9 - 4.7)/(26 - 1) | 0.048 |
| 8.5 (8/28/2019) | 4.7 (3/12/2013) | (8.5 - 4.7)/(27 - 1) | 0.146154 |
| 2.7 (10/28/2019) | 4.7 (3/12/2013) | (2.7 - 4.7)/(28 - 1) | -0.0740741 |
| 145 (3/31/2020) | 4.7 (3/12/2013) | (145 - 4.7)/(29 - 1) | 5.01071 |
| 40.4 (6/10/2020) | 4.7 (3/12/2013) | (40.4 - 4.7)/(30 - 1) | 1.23103 |
| 8.4 (9/21/2020) | 4.7 (3/12/2013) | (8.4 - 4.7)/(31 - 1) | 0.123333 |
| 5.4 (12/17/2020) | 4.7 (3/12/2013) | (5.4 - 4.7)/(32 - 1) | 0.0225806 |
| 19.8 (3/18/2021) | 4.7 (3/12/2013) | (19.8 - 4.7)/(33 - 1) | 0.471875 |
| 6.27 (5/5/2021) | 4.7 (3/12/2013) | (6.27 - 4.7)/(34 - 1) | 0.0475758 |
| 3 (9/2/2021) | 4.7 (3/12/2013) | (3 - 4.7)/(35 - 1) | -0.05 |
| 2.6 (11/23/2021) | 4.7 (3/12/2013) | (2.6 - 4.7)/(36 - 1) | -0.06 |
| 4.4 (1/10/2022) | 4.7 (3/12/2013) | (4.4 - 4.7)/(37 - 1) | -0.00833333 |
| 2.9 (4/7/2022) | 4.7 (3/12/2013) | (2.9 - 4.7)/(38 - 1) | -0.0486486 |
| 6.5 (8/3/2022) | 4.7 (3/12/2013) | (6.5 - 4.7)/(39 - 1) | 0.0473684 |
| 2.5 (11/16/2022) | 4.7 (3/12/2013) | (2.5 - 4.7)/(40 - 1) | -0.0564103 |
| 4.3 (2/13/2023) | 4.7 (3/12/2013) | (4.3 - 4.7)/(41 - 1) | -0.01 |
| 4.4 (5/24/2023) | 4.7 (3/12/2013) | (4.4 - 4.7)/(42 - 1) | -0.00731707 |
| 8.2 (8/7/2023) | 4.7 (3/12/2013) | (8.2 - 4.7)/(43 - 1) | 0.0833333 |
| ND<2.5 U (12/12/2023) | 4.7 (3/12/2013) | (2.5 - 4.7)/(44 - 1) | -0.0511628 |
| 9.6 (1/10/2024) | 4.7 (3/12/2013) | (9.6 - 4.7)/(45 - 1) | 0.111364 |
| 7.67 (5/20/2024) | 4.7 (3/12/2013) | (7.67 - 4.7)/(46 - 1) | 0.066 |
| 10 (9/16/2024) | 4.7 (3/12/2013) | (10 - 4.7)/(47 - 1) | 0.115217 |
| 9.9 (12/11/2024) | 4.7 (3/12/2013) | (9.9 - 4.7)/(48 - 1) | 0.110638 |
| 4.5 (2/18/2025) | 4.7 (3/12/2013) | (4.5 - 4.7)/(49 - 1) | -0.00416667 |

| | | | |
|---|---|---|---|
| ND<2.5 U (9/23/2013) | 5 (5/8/2013) | (2.5 - 5)/(3 - 2) | -2.5 |
| 9.2 (12/10/2013) | 5 (5/8/2013) | (9.2 - 5)/(4 - 2) | 2.1 |
| 14 (2/6/2014) | 5 (5/8/2013) | (14 - 5)/(5 - 2) | 3 |
| ND<2.5 U (6/26/2014) | 5 (5/8/2013) | (2.5 - 5)/(6 - 2) | -0.625 |
| 6.1 (9/30/2014) | 5 (5/8/2013) | (6.1 - 5)/(7 - 2) | 0.22 |
| 9.2 (11/19/2014) | 5 (5/8/2013) | (9.2 - 5)/(8 - 2) | 0.7 |
| 11 (3/23/2015) | 5 (5/8/2013) | (11 - 5)/(9 - 2) | 0.857143 |
| 6.3 (4/22/2015) | 5 (5/8/2013) | (6.3 - 5)/(10 - 2) | 0.1625 |
| 6.6 (9/30/2015) | 5 (5/8/2013) | (6.6 - 5)/(11 - 2) | 0.177778 |
| 23.3 (11/19/2015) | 5 (5/8/2013) | (23.3 - 5)/(12 - 2) | 1.83 |
| 8.1 (3/15/2016) | 5 (5/8/2013) | (8.1 - 5)/(13 - 2) | 0.281818 |
| 6 (6/29/2016) | 5 (5/8/2013) | (6 - 5)/(14 - 2) | 0.0833333 |
| 12.7 (8/9/2016) | 5 (5/8/2013) | (12.7 - 5)/(15 - 2) | 0.592308 |
| ND<2.5 U (12/7/2016) | 5 (5/8/2013) | (2.5 - 5)/(16 - 2) | -0.178571 |
| 9.2 (3/2/2017) | 5 (5/8/2013) | (9.2 - 5)/(17 - 2) | 0.28 |
| 63.7 (6/21/2017) | 5 (5/8/2013) | (63.7 - 5)/(18 - 2) | 3.66875 |
| 24.8 (8/17/2017) | 5 (5/8/2013) | (24.8 - 5)/(19 - 2) | 1.16471 |
| 3.6 (10/26/2017) | 5 (5/8/2013) | (3.6 - 5)/(20 - 2) | -0.0777778 |
| 8.2 (3/27/2018) | 5 (5/8/2013) | (8.2 - 5)/(21 - 2) | 0.168421 |
| 18.7 (6/26/2018) | 5 (5/8/2013) | (18.7 - 5)/(22 - 2) | 0.685 |
| 60 (8/1/2018) | 5 (5/8/2013) | (60 - 5)/(23 - 2) | 2.61905 |
| 4.3 (12/11/2018) | 5 (5/8/2013) | (4.3 - 5)/(24 - 2) | -0.0318182 |
| 6.7 (4/17/2019) | 5 (5/8/2013) | (6.7 - 5)/(25 - 2) | 0.073913 |
| 5.9 (6/11/2019) | 5 (5/8/2013) | (5.9 - 5)/(26 - 2) | 0.0375 |
| 8.5 (8/28/2019) | 5 (5/8/2013) | (8.5 - 5)/(27 - 2) | 0.14 |
| 2.7 (10/28/2019) | 5 (5/8/2013) | (2.7 - 5)/(28 - 2) | -0.0884615 |
| 145 (3/31/2020) | 5 (5/8/2013) | (145 - 5)/(29 - 2) | 5.18519 |
| 40.4 (6/10/2020) | 5 (5/8/2013) | (40.4 - 5)/(30 - 2) | 1.26429 |
| 8.4 (9/21/2020) | 5 (5/8/2013) | (8.4 - 5)/(31 - 2) | 0.117241 |
| 5.4 (12/17/2020) | 5 (5/8/2013) | (5.4 - 5)/(32 - 2) | 0.0133333 |
| 19.8 (3/18/2021) | 5 (5/8/2013) | (19.8 - 5)/(33 - 2) | 0.477419 |
| 6.27 (5/5/2021) | 5 (5/8/2013) | (6.27 - 5)/(34 - 2) | 0.0396875 |
| 3 (9/2/2021) | 5 (5/8/2013) | (3 - 5)/(35 - 2) | -0.0606061 |
| 2.6 (11/23/2021) | 5 (5/8/2013) | (2.6 - 5)/(36 - 2) | -0.0705882 |
| 4.4 (1/10/2022) | 5 (5/8/2013) | (4.4 - 5)/(37 - 2) | -0.0171429 |
| 2.9 (4/7/2022) | 5 (5/8/2013) | (2.9 - 5)/(38 - 2) | -0.0583333 |
| 6.5 (8/3/2022) | 5 (5/8/2013) | (6.5 - 5)/(39 - 2) | 0.0405405 |
| 2.5 (11/16/2022) | 5 (5/8/2013) | (2.5 - 5)/(40 - 2) | -0.0657895 |
| 4.3 (2/13/2023) | 5 (5/8/2013) | (4.3 - 5)/(41 - 2) | -0.0179487 |
| 4.4 (5/24/2023) | 5 (5/8/2013) | (4.4 - 5)/(42 - 2) | -0.015 |
| 8.2 (8/7/2023) | 5 (5/8/2013) | (8.2 - 5)/(43 - 2) | 0.0780488 |
| ND<2.5 U (12/12/2023) | 5 (5/8/2013) | (2.5 - 5)/(44 - 2) | -0.0595238 |
| 9.6 (1/10/2024) | 5 (5/8/2013) | (9.6 - 5)/(45 - 2) | 0.106977 |
| 7.67 (5/20/2024) | 5 (5/8/2013) | (7.67 - 5)/(46 - 2) | 0.0606818 |
| 10 (9/16/2024) | 5 (5/8/2013) | (10 - 5)/(47 - 2) | 0.111111 |
| 9.9 (12/11/2024) | 5 (5/8/2013) | (9.9 - 5)/(48 - 2) | 0.106522 |
| 4.5 (2/18/2025) | 5 (5/8/2013) | (4.5 - 5)/(49 - 2) | -0.0106383 |
| | | | |
| 9.2 (12/10/2013) | ND<2.5 U (9/23/2013) | (9.2 - 2.5)/(4 - 3) | 6.7 |
| 14 (2/6/2014) | ND<2.5 U (9/23/2013) | (14 - 2.5)/(5 - 3) | 5.75 |
| ND<2.5 U (6/26/2014) | ND<2.5 U (9/23/2013) | (2.5 - 2.5)/(6 - 3) | 0 |
| 6.1 (9/30/2014) | ND<2.5 U (9/23/2013) | (6.1 - 2.5)/(7 - 3) | 0.9 |
| 9.2 (11/19/2014) | ND<2.5 U (9/23/2013) | (9.2 - 2.5)/(8 - 3) | 1.34 |
| 11 (3/23/2015) | ND<2.5 U (9/23/2013) | (11 - 2.5)/(9 - 3) | 1.41667 |
| 6.3 (4/22/2015) | ND<2.5 U (9/23/2013) | (6.3 - 2.5)/(10 - 3) | 0.542857 |
| 6.6 (9/30/2015) | ND<2.5 U (9/23/2013) | (6.6 - 2.5)/(11 - 3) | 0.5125 |

| | | | |
|---|---|---|---|
| 23.3 (11/19/2015) | ND<2.5 U (9/23/2013) | (23.3 - 2.5)/(12 - 3) | 2.31111 |
| 8.1 (3/15/2016) | ND<2.5 U (9/23/2013) | (8.1 - 2.5)/(13 - 3) | 0.56 |
| 6 (6/29/2016) | ND<2.5 U (9/23/2013) | (6 - 2.5)/(14 - 3) | 0.318182 |
| 12.7 (8/9/2016) | ND<2.5 U (9/23/2013) | (12.7 - 2.5)/(15 - 3) | 0.85 |
| ND<2.5 U (12/7/2016) | ND<2.5 U (9/23/2013) | (2.5 - 2.5)/(16 - 3) | 0 |
| 9.2 (3/2/2017) | ND<2.5 U (9/23/2013) | (9.2 - 2.5)/(17 - 3) | 0.478571 |
| 63.7 (6/21/2017) | ND<2.5 U (9/23/2013) | (63.7 - 2.5)/(18 - 3) | 4.08 |
| 24.8 (8/17/2017) | ND<2.5 U (9/23/2013) | (24.8 - 2.5)/(19 - 3) | 1.39375 |
| 3.6 (10/26/2017) | ND<2.5 U (9/23/2013) | (3.6 - 2.5)/(20 - 3) | 0.0647059 |
| 8.2 (3/27/2018) | ND<2.5 U (9/23/2013) | (8.2 - 2.5)/(21 - 3) | 0.316667 |
| 18.7 (6/26/2018) | ND<2.5 U (9/23/2013) | (18.7 - 2.5)/(22 - 3) | 0.852632 |
| 60 (8/1/2018) | ND<2.5 U (9/23/2013) | (60 - 2.5)/(23 - 3) | 2.875 |
| 4.3 (12/11/2018) | ND<2.5 U (9/23/2013) | (4.3 - 2.5)/(24 - 3) | 0.0857143 |
| 6.7 (4/17/2019) | ND<2.5 U (9/23/2013) | (6.7 - 2.5)/(25 - 3) | 0.190909 |
| 5.9 (6/11/2019) | ND<2.5 U (9/23/2013) | (5.9 - 2.5)/(26 - 3) | 0.147826 |
| 8.5 (8/28/2019) | ND<2.5 U (9/23/2013) | (8.5 - 2.5)/(27 - 3) | 0.25 |
| 2.7 (10/28/2019) | ND<2.5 U (9/23/2013) | (2.7 - 2.5)/(28 - 3) | 0.008 |
| 145 (3/31/2020) | ND<2.5 U (9/23/2013) | (145 - 2.5)/(29 - 3) | 5.48077 |
| 40.4 (6/10/2020) | ND<2.5 U (9/23/2013) | (40.4 - 2.5)/(30 - 3) | 1.4037 |
| 8.4 (9/21/2020) | ND<2.5 U (9/23/2013) | (8.4 - 2.5)/(31 - 3) | 0.210714 |
| 5.4 (12/17/2020) | ND<2.5 U (9/23/2013) | (5.4 - 2.5)/(32 - 3) | 0.1 |
| 19.8 (3/18/2021) | ND<2.5 U (9/23/2013) | (19.8 - 2.5)/(33 - 3) | 0.576667 |
| 6.27 (5/5/2021) | ND<2.5 U (9/23/2013) | (6.27 - 2.5)/(34 - 3) | 0.121613 |
| 3 (9/2/2021) | ND<2.5 U (9/23/2013) | (3 - 2.5)/(35 - 3) | 0.015625 |
| 2.6 (11/23/2021) | ND<2.5 U (9/23/2013) | (2.6 - 2.5)/(36 - 3) | 0.0030303 |
| 4.4 (1/10/2022) | ND<2.5 U (9/23/2013) | (4.4 - 2.5)/(37 - 3) | 0.0558824 |
| 2.9 (4/7/2022) | ND<2.5 U (9/23/2013) | (2.9 - 2.5)/(38 - 3) | 0.0114286 |
| 6.5 (8/3/2022) | ND<2.5 U (9/23/2013) | (6.5 - 2.5)/(39 - 3) | 0.111111 |
| 2.5 (11/16/2022) | ND<2.5 U (9/23/2013) | (2.5 - 2.5)/(40 - 3) | 0 |
| 4.3 (2/13/2023) | ND<2.5 U (9/23/2013) | (4.3 - 2.5)/(41 - 3) | 0.0473684 |
| 4.4 (5/24/2023) | ND<2.5 U (9/23/2013) | (4.4 - 2.5)/(42 - 3) | 0.0487179 |
| 8.2 (8/7/2023) | ND<2.5 U (9/23/2013) | (8.2 - 2.5)/(43 - 3) | 0.1425 |
| ND<2.5 U (12/12/2023) | ND<2.5 U (9/23/2013) | (2.5 - 2.5)/(44 - 3) | 0 |
| 9.6 (1/10/2024) | ND<2.5 U (9/23/2013) | (9.6 - 2.5)/(45 - 3) | 0.169048 |
| 7.67 (5/20/2024) | ND<2.5 U (9/23/2013) | (7.67 - 2.5)/(46 - 3) | 0.120233 |
| 10 (9/16/2024) | ND<2.5 U (9/23/2013) | (10 - 2.5)/(47 - 3) | 0.170455 |
| 9.9 (12/11/2024) | ND<2.5 U (9/23/2013) | (9.9 - 2.5)/(48 - 3) | 0.164444 |
| 4.5 (2/18/2025) | ND<2.5 U (9/23/2013) | (4.5 - 2.5)/(49 - 3) | 0.0434783 |
| | | | |
| 14 (2/6/2014) | 9.2 (12/10/2013) | (14 - 9.2)/(5 - 4) | 4.8 |
| ND<2.5 U (6/26/2014) | 9.2 (12/10/2013) | (2.5 - 9.2)/(6 - 4) | -3.35 |
| 6.1 (9/30/2014) | 9.2 (12/10/2013) | (6.1 - 9.2)/(7 - 4) | -1.03333 |
| 9.2 (11/19/2014) | 9.2 (12/10/2013) | (9.2 - 9.2)/(8 - 4) | 0 |
| 11 (3/23/2015) | 9.2 (12/10/2013) | (11 - 9.2)/(9 - 4) | 0.36 |
| 6.3 (4/22/2015) | 9.2 (12/10/2013) | (6.3 - 9.2)/(10 - 4) | -0.483333 |
| 6.6 (9/30/2015) | 9.2 (12/10/2013) | (6.6 - 9.2)/(11 - 4) | -0.371429 |
| 23.3 (11/19/2015) | 9.2 (12/10/2013) | (23.3 - 9.2)/(12 - 4) | 1.7625 |
| 8.1 (3/15/2016) | 9.2 (12/10/2013) | (8.1 - 9.2)/(13 - 4) | -0.122222 |
| 6 (6/29/2016) | 9.2 (12/10/2013) | (6 - 9.2)/(14 - 4) | -0.32 |
| 12.7 (8/9/2016) | 9.2 (12/10/2013) | (12.7 - 9.2)/(15 - 4) | 0.318182 |
| ND<2.5 U (12/7/2016) | 9.2 (12/10/2013) | (2.5 - 9.2)/(16 - 4) | -0.558333 |
| 9.2 (3/2/2017) | 9.2 (12/10/2013) | (9.2 - 9.2)/(17 - 4) | 0 |
| 63.7 (6/21/2017) | 9.2 (12/10/2013) | (63.7 - 9.2)/(18 - 4) | 3.89286 |
| 24.8 (8/17/2017) | 9.2 (12/10/2013) | (24.8 - 9.2)/(19 - 4) | 1.04 |
| 3.6 (10/26/2017) | 9.2 (12/10/2013) | (3.6 - 9.2)/(20 - 4) | -0.35 |
| 8.2 (3/27/2018) | 9.2 (12/10/2013) | (8.2 - 9.2)/(21 - 4) | -0.0588235 |
| 18.7 (6/26/2018) | 9.2 (12/10/2013) | (18.7 - 9.2)/(22 - 4) | 0.527778 |

| | | | |
|---|---|---|---|
| 60 (8/1/2018) | 9.2 (12/10/2013) | (60 - 9.2)/(23 - 4) | 2.67368 |
| 4.3 (12/11/2018) | 9.2 (12/10/2013) | (4.3 - 9.2)/(24 - 4) | -0.245 |
| 6.7 (4/17/2019) | 9.2 (12/10/2013) | (6.7 - 9.2)/(25 - 4) | -0.119048 |
| 5.9 (6/11/2019) | 9.2 (12/10/2013) | (5.9 - 9.2)/(26 - 4) | -0.15 |
| 8.5 (8/28/2019) | 9.2 (12/10/2013) | (8.5 - 9.2)/(27 - 4) | -0.0304348 |
| 2.7 (10/28/2019) | 9.2 (12/10/2013) | (2.7 - 9.2)/(28 - 4) | -0.270833 |
| 145 (3/31/2020) | 9.2 (12/10/2013) | (145 - 9.2)/(29 - 4) | 5.432 |
| 40.4 (6/10/2020) | 9.2 (12/10/2013) | (40.4 - 9.2)/(30 - 4) | 1.2 |
| 8.4 (9/21/2020) | 9.2 (12/10/2013) | (8.4 - 9.2)/(31 - 4) | -0.0296296 |
| 5.4 (12/17/2020) | 9.2 (12/10/2013) | (5.4 - 9.2)/(32 - 4) | -0.135714 |
| 19.8 (3/18/2021) | 9.2 (12/10/2013) | (19.8 - 9.2)/(33 - 4) | 0.365517 |
| 6.27 (5/5/2021) | 9.2 (12/10/2013) | (6.27 - 9.2)/(34 - 4) | -0.0976667 |
| 3 (9/2/2021) | 9.2 (12/10/2013) | (3 - 9.2)/(35 - 4) | -0.2 |
| 2.6 (11/23/2021) | 9.2 (12/10/2013) | (2.6 - 9.2)/(36 - 4) | -0.20625 |
| 4.4 (1/10/2022) | 9.2 (12/10/2013) | (4.4 - 9.2)/(37 - 4) | -0.145455 |
| 2.9 (4/7/2022) | 9.2 (12/10/2013) | (2.9 - 9.2)/(38 - 4) | -0.185294 |
| 6.5 (8/3/2022) | 9.2 (12/10/2013) | (6.5 - 9.2)/(39 - 4) | -0.0771429 |
| 2.5 (11/16/2022) | 9.2 (12/10/2013) | (2.5 - 9.2)/(40 - 4) | -0.186111 |
| 4.3 (2/13/2023) | 9.2 (12/10/2013) | (4.3 - 9.2)/(41 - 4) | -0.132432 |
| 4.4 (5/24/2023) | 9.2 (12/10/2013) | (4.4 - 9.2)/(42 - 4) | -0.126316 |
| 8.2 (8/7/2023) | 9.2 (12/10/2013) | (8.2 - 9.2)/(43 - 4) | -0.025641 |
| ND<2.5 U (12/12/2023) | 9.2 (12/10/2013) | (2.5 - 9.2)/(44 - 4) | -0.1675 |
| 9.6 (1/10/2024) | 9.2 (12/10/2013) | (9.6 - 9.2)/(45 - 4) | 0.0097561 |
| 7.67 (5/20/2024) | 9.2 (12/10/2013) | (7.67 - 9.2)/(46 - 4) | -0.0364286 |
| 10 (9/16/2024) | 9.2 (12/10/2013) | (10 - 9.2)/(47 - 4) | 0.0186047 |
| 9.9 (12/11/2024) | 9.2 (12/10/2013) | (9.9 - 9.2)/(48 - 4) | 0.0159091 |
| 4.5 (2/18/2025) | 9.2 (12/10/2013) | (4.5 - 9.2)/(49 - 4) | -0.104444 |
| | | | |
| ND<2.5 U (6/26/2014) | 14 (2/6/2014) | (2.5 - 14)/(6 - 5) | -11.5 |
| 6.1 (9/30/2014) | 14 (2/6/2014) | (6.1 - 14)/(7 - 5) | -3.95 |
| 9.2 (11/19/2014) | 14 (2/6/2014) | (9.2 - 14)/(8 - 5) | -1.6 |
| 11 (3/23/2015) | 14 (2/6/2014) | (11 - 14)/(9 - 5) | -0.75 |
| 6.3 (4/22/2015) | 14 (2/6/2014) | (6.3 - 14)/(10 - 5) | -1.54 |
| 6.6 (9/30/2015) | 14 (2/6/2014) | (6.6 - 14)/(11 - 5) | -1.23333 |
| 23.3 (11/19/2015) | 14 (2/6/2014) | (23.3 - 14)/(12 - 5) | 1.32857 |
| 8.1 (3/15/2016) | 14 (2/6/2014) | (8.1 - 14)/(13 - 5) | -0.7375 |
| 6 (6/29/2016) | 14 (2/6/2014) | (6 - 14)/(14 - 5) | -0.888889 |
| 12.7 (8/9/2016) | 14 (2/6/2014) | (12.7 - 14)/(15 - 5) | -0.13 |
| ND<2.5 U (12/7/2016) | 14 (2/6/2014) | (2.5 - 14)/(16 - 5) | -1.04545 |
| 9.2 (3/2/2017) | 14 (2/6/2014) | (9.2 - 14)/(17 - 5) | -0.4 |
| 63.7 (6/21/2017) | 14 (2/6/2014) | (63.7 - 14)/(18 - 5) | 3.82308 |
| 24.8 (8/17/2017) | 14 (2/6/2014) | (24.8 - 14)/(19 - 5) | 0.771429 |
| 3.6 (10/26/2017) | 14 (2/6/2014) | (3.6 - 14)/(20 - 5) | -0.693333 |
| 8.2 (3/27/2018) | 14 (2/6/2014) | (8.2 - 14)/(21 - 5) | -0.3625 |
| 18.7 (6/26/2018) | 14 (2/6/2014) | (18.7 - 14)/(22 - 5) | 0.276471 |
| 60 (8/1/2018) | 14 (2/6/2014) | (60 - 14)/(23 - 5) | 2.55556 |
| 4.3 (12/11/2018) | 14 (2/6/2014) | (4.3 - 14)/(24 - 5) | -0.510526 |
| 6.7 (4/17/2019) | 14 (2/6/2014) | (6.7 - 14)/(25 - 5) | -0.365 |
| 5.9 (6/11/2019) | 14 (2/6/2014) | (5.9 - 14)/(26 - 5) | -0.385714 |
| 8.5 (8/28/2019) | 14 (2/6/2014) | (8.5 - 14)/(27 - 5) | -0.25 |
| 2.7 (10/28/2019) | 14 (2/6/2014) | (2.7 - 14)/(28 - 5) | -0.491304 |
| 145 (3/31/2020) | 14 (2/6/2014) | (145 - 14)/(29 - 5) | 5.45833 |
| 40.4 (6/10/2020) | 14 (2/6/2014) | (40.4 - 14)/(30 - 5) | 1.056 |
| 8.4 (9/21/2020) | 14 (2/6/2014) | (8.4 - 14)/(31 - 5) | -0.215385 |
| 5.4 (12/17/2020) | 14 (2/6/2014) | (5.4 - 14)/(32 - 5) | -0.318519 |
| 19.8 (3/18/2021) | 14 (2/6/2014) | (19.8 - 14)/(33 - 5) | 0.207143 |
| 6.27 (5/5/2021) | 14 (2/6/2014) | (6.27 - 14)/(34 - 5) | -0.266552 |

| | | | |
|---|---|---|---|
| 3 (9/2/2021) | 14 (2/6/2014) | (3 - 14)/(35 - 5) | -0.366667 |
| 2.6 (11/23/2021) | 14 (2/6/2014) | (2.6 - 14)/(36 - 5) | -0.367742 |
| 4.4 (1/10/2022) | 14 (2/6/2014) | (4.4 - 14)/(37 - 5) | -0.3 |
| 2.9 (4/7/2022) | 14 (2/6/2014) | (2.9 - 14)/(38 - 5) | -0.336364 |
| 6.5 (8/3/2022) | 14 (2/6/2014) | (6.5 - 14)/(39 - 5) | -0.220588 |
| 2.5 (11/16/2022) | 14 (2/6/2014) | (2.5 - 14)/(40 - 5) | -0.328571 |
| 4.3 (2/13/2023) | 14 (2/6/2014) | (4.3 - 14)/(41 - 5) | -0.269444 |
| 4.4 (5/24/2023) | 14 (2/6/2014) | (4.4 - 14)/(42 - 5) | -0.259459 |
| 8.2 (8/7/2023) | 14 (2/6/2014) | (8.2 - 14)/(43 - 5) | -0.152632 |
| ND<2.5 U (12/12/2023) | 14 (2/6/2014) | (2.5 - 14)/(44 - 5) | -0.294872 |
| 9.6 (1/10/2024) | 14 (2/6/2014) | (9.6 - 14)/(45 - 5) | -0.11 |
| 7.67 (5/20/2024) | 14 (2/6/2014) | (7.67 - 14)/(46 - 5) | -0.15439 |
| 10 (9/16/2024) | 14 (2/6/2014) | (10 - 14)/(47 - 5) | -0.0952381 |
| 9.9 (12/11/2024) | 14 (2/6/2014) | (9.9 - 14)/(48 - 5) | -0.0953488 |
| 4.5 (2/18/2025) | 14 (2/6/2014) | (4.5 - 14)/(49 - 5) | -0.215909 |
| | | | |
| 6.1 (9/30/2014) | ND<2.5 U (6/26/2014) | (6.1 - 2.5)/(7 - 6) | 3.6 |
| 9.2 (11/19/2014) | ND<2.5 U (6/26/2014) | (9.2 - 2.5)/(8 - 6) | 3.35 |
| 11 (3/23/2015) | ND<2.5 U (6/26/2014) | (11 - 2.5)/(9 - 6) | 2.83333 |
| 6.3 (4/22/2015) | ND<2.5 U (6/26/2014) | (6.3 - 2.5)/(10 - 6) | 0.95 |
| 6.6 (9/30/2015) | ND<2.5 U (6/26/2014) | (6.6 - 2.5)/(11 - 6) | 0.82 |
| 23.3 (11/19/2015) | ND<2.5 U (6/26/2014) | (23.3 - 2.5)/(12 - 6) | 3.46667 |
| 8.1 (3/15/2016) | ND<2.5 U (6/26/2014) | (8.1 - 2.5)/(13 - 6) | 0.8 |
| 6 (6/29/2016) | ND<2.5 U (6/26/2014) | (6 - 2.5)/(14 - 6) | 0.4375 |
| 12.7 (8/9/2016) | ND<2.5 U (6/26/2014) | (12.7 - 2.5)/(15 - 6) | 1.13333 |
| ND<2.5 U (12/7/2016) | ND<2.5 U (6/26/2014) | (2.5 - 2.5)/(16 - 6) | 0 |
| 9.2 (3/2/2017) | ND<2.5 U (6/26/2014) | (9.2 - 2.5)/(17 - 6) | 0.609091 |
| 63.7 (6/21/2017) | ND<2.5 U (6/26/2014) | (63.7 - 2.5)/(18 - 6) | 5.1 |
| 24.8 (8/17/2017) | ND<2.5 U (6/26/2014) | (24.8 - 2.5)/(19 - 6) | 1.71538 |
| 3.6 (10/26/2017) | ND<2.5 U (6/26/2014) | (3.6 - 2.5)/(20 - 6) | 0.0785714 |
| 8.2 (3/27/2018) | ND<2.5 U (6/26/2014) | (8.2 - 2.5)/(21 - 6) | 0.38 |
| 18.7 (6/26/2018) | ND<2.5 U (6/26/2014) | (18.7 - 2.5)/(22 - 6) | 1.0125 |
| 60 (8/1/2018) | ND<2.5 U (6/26/2014) | (60 - 2.5)/(23 - 6) | 3.38235 |
| 4.3 (12/11/2018) | ND<2.5 U (6/26/2014) | (4.3 - 2.5)/(24 - 6) | 0.1 |
| 6.7 (4/17/2019) | ND<2.5 U (6/26/2014) | (6.7 - 2.5)/(25 - 6) | 0.221053 |
| 5.9 (6/11/2019) | ND<2.5 U (6/26/2014) | (5.9 - 2.5)/(26 - 6) | 0.17 |
| 8.5 (8/28/2019) | ND<2.5 U (6/26/2014) | (8.5 - 2.5)/(27 - 6) | 0.285714 |
| 2.7 (10/28/2019) | ND<2.5 U (6/26/2014) | (2.7 - 2.5)/(28 - 6) | 0.00909091 |
| 145 (3/31/2020) | ND<2.5 U (6/26/2014) | (145 - 2.5)/(29 - 6) | 6.19565 |
| 40.4 (6/10/2020) | ND<2.5 U (6/26/2014) | (40.4 - 2.5)/(30 - 6) | 1.57917 |
| 8.4 (9/21/2020) | ND<2.5 U (6/26/2014) | (8.4 - 2.5)/(31 - 6) | 0.236 |
| 5.4 (12/17/2020) | ND<2.5 U (6/26/2014) | (5.4 - 2.5)/(32 - 6) | 0.111538 |
| 19.8 (3/18/2021) | ND<2.5 U (6/26/2014) | (19.8 - 2.5)/(33 - 6) | 0.640741 |
| 6.27 (5/5/2021) | ND<2.5 U (6/26/2014) | (6.27 - 2.5)/(34 - 6) | 0.134643 |
| 3 (9/2/2021) | ND<2.5 U (6/26/2014) | (3 - 2.5)/(35 - 6) | 0.0172414 |
| 2.6 (11/23/2021) | ND<2.5 U (6/26/2014) | (2.6 - 2.5)/(36 - 6) | 0.00333333 |
| 4.4 (1/10/2022) | ND<2.5 U (6/26/2014) | (4.4 - 2.5)/(37 - 6) | 0.0612903 |
| 2.9 (4/7/2022) | ND<2.5 U (6/26/2014) | (2.9 - 2.5)/(38 - 6) | 0.0125 |
| 6.5 (8/3/2022) | ND<2.5 U (6/26/2014) | (6.5 - 2.5)/(39 - 6) | 0.121212 |
| 2.5 (11/16/2022) | ND<2.5 U (6/26/2014) | (2.5 - 2.5)/(40 - 6) | 0 |
| 4.3 (2/13/2023) | ND<2.5 U (6/26/2014) | (4.3 - 2.5)/(41 - 6) | 0.0514286 |
| 4.4 (5/24/2023) | ND<2.5 U (6/26/2014) | (4.4 - 2.5)/(42 - 6) | 0.0527778 |
| 8.2 (8/7/2023) | ND<2.5 U (6/26/2014) | (8.2 - 2.5)/(43 - 6) | 0.154054 |
| ND<2.5 U (12/12/2023) | ND<2.5 U (6/26/2014) | (2.5 - 2.5)/(44 - 6) | 0 |
| 9.6 (1/10/2024) | ND<2.5 U (6/26/2014) | (9.6 - 2.5)/(45 - 6) | 0.182051 |
| 7.67 (5/20/2024) | ND<2.5 U (6/26/2014) | (7.67 - 2.5)/(46 - 6) | 0.12925 |
| 10 (9/16/2024) | ND<2.5 U (6/26/2014) | (10 - 2.5)/(47 - 6) | 0.182927 |

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|---|---|---|---|
| 9.9 (12/11/2024) | ND<2.5 U (6/26/2014) | (9.9 - 2.5)/(48 - 6) | 0.17619 |
| 4.5 (2/18/2025) | ND<2.5 U (6/26/2014) | (4.5 - 2.5)/(49 - 6) | 0.0465116 |
| | | | |
| 9.2 (11/19/2014) | 6.1 (9/30/2014) | (9.2 - 6.1)/(8 - 7) | 3.1 |
| 11 (3/23/2015) | 6.1 (9/30/2014) | (11 - 6.1)/(9 - 7) | 2.45 |
| 6.3 (4/22/2015) | 6.1 (9/30/2014) | (6.3 - 6.1)/(10 - 7) | 0.0666667 |
| 6.6 (9/30/2015) | 6.1 (9/30/2014) | (6.6 - 6.1)/(11 - 7) | 0.125 |
| 23.3 (11/19/2015) | 6.1 (9/30/2014) | (23.3 - 6.1)/(12 - 7) | 3.44 |
| 8.1 (3/15/2016) | 6.1 (9/30/2014) | (8.1 - 6.1)/(13 - 7) | 0.333333 |
| 6 (6/29/2016) | 6.1 (9/30/2014) | (6 - 6.1)/(14 - 7) | -0.0142857 |
| 12.7 (8/9/2016) | 6.1 (9/30/2014) | (12.7 - 6.1)/(15 - 7) | 0.825 |
| ND<2.5 U (12/7/2016) | 6.1 (9/30/2014) | (2.5 - 6.1)/(16 - 7) | -0.4 |
| 9.2 (3/2/2017) | 6.1 (9/30/2014) | (9.2 - 6.1)/(17 - 7) | 0.31 |
| 63.7 (6/21/2017) | 6.1 (9/30/2014) | (63.7 - 6.1)/(18 - 7) | 5.23636 |
| 24.8 (8/17/2017) | 6.1 (9/30/2014) | (24.8 - 6.1)/(19 - 7) | 1.55833 |
| 3.6 (10/26/2017) | 6.1 (9/30/2014) | (3.6 - 6.1)/(20 - 7) | -0.192308 |
| 8.2 (3/27/2018) | 6.1 (9/30/2014) | (8.2 - 6.1)/(21 - 7) | 0.15 |
| 18.7 (6/26/2018) | 6.1 (9/30/2014) | (18.7 - 6.1)/(22 - 7) | 0.84 |
| 60 (8/1/2018) | 6.1 (9/30/2014) | (60 - 6.1)/(23 - 7) | 3.36875 |
| 4.3 (12/11/2018) | 6.1 (9/30/2014) | (4.3 - 6.1)/(24 - 7) | -0.105882 |
| 6.7 (4/17/2019) | 6.1 (9/30/2014) | (6.7 - 6.1)/(25 - 7) | 0.0333333 |
| 5.9 (6/11/2019) | 6.1 (9/30/2014) | (5.9 - 6.1)/(26 - 7) | -0.0105263 |
| 8.5 (8/28/2019) | 6.1 (9/30/2014) | (8.5 - 6.1)/(27 - 7) | 0.12 |
| 2.7 (10/28/2019) | 6.1 (9/30/2014) | (2.7 - 6.1)/(28 - 7) | -0.161905 |
| 145 (3/31/2020) | 6.1 (9/30/2014) | (145 - 6.1)/(29 - 7) | 6.31364 |
| 40.4 (6/10/2020) | 6.1 (9/30/2014) | (40.4 - 6.1)/(30 - 7) | 1.4913 |
| 8.4 (9/21/2020) | 6.1 (9/30/2014) | (8.4 - 6.1)/(31 - 7) | 0.0958333 |
| 5.4 (12/17/2020) | 6.1 (9/30/2014) | (5.4 - 6.1)/(32 - 7) | -0.028 |
| 19.8 (3/18/2021) | 6.1 (9/30/2014) | (19.8 - 6.1)/(33 - 7) | 0.526923 |
| 6.27 (5/5/2021) | 6.1 (9/30/2014) | (6.27 - 6.1)/(34 - 7) | 0.0062963 |
| 3 (9/2/2021) | 6.1 (9/30/2014) | (3 - 6.1)/(35 - 7) | -0.110714 |
| 2.6 (11/23/2021) | 6.1 (9/30/2014) | (2.6 - 6.1)/(36 - 7) | -0.12069 |
| 4.4 (1/10/2022) | 6.1 (9/30/2014) | (4.4 - 6.1)/(37 - 7) | -0.0566667 |
| 2.9 (4/7/2022) | 6.1 (9/30/2014) | (2.9 - 6.1)/(38 - 7) | -0.103226 |
| 6.5 (8/3/2022) | 6.1 (9/30/2014) | (6.5 - 6.1)/(39 - 7) | 0.0125 |
| 2.5 (11/16/2022) | 6.1 (9/30/2014) | (2.5 - 6.1)/(40 - 7) | -0.109091 |
| 4.3 (2/13/2023) | 6.1 (9/30/2014) | (4.3 - 6.1)/(41 - 7) | -0.0529412 |
| 4.4 (5/24/2023) | 6.1 (9/30/2014) | (4.4 - 6.1)/(42 - 7) | -0.0485714 |
| 8.2 (8/7/2023) | 6.1 (9/30/2014) | (8.2 - 6.1)/(43 - 7) | 0.0583333 |
| ND<2.5 U (12/12/2023) | 6.1 (9/30/2014) | (2.5 - 6.1)/(44 - 7) | -0.0972973 |
| 9.6 (1/10/2024) | 6.1 (9/30/2014) | (9.6 - 6.1)/(45 - 7) | 0.0921053 |
| 7.67 (5/20/2024) | 6.1 (9/30/2014) | (7.67 - 6.1)/(46 - 7) | 0.0402564 |
| 10 (9/16/2024) | 6.1 (9/30/2014) | (10 - 6.1)/(47 - 7) | 0.0975 |
| 9.9 (12/11/2024) | 6.1 (9/30/2014) | (9.9 - 6.1)/(48 - 7) | 0.0926829 |
| 4.5 (2/18/2025) | 6.1 (9/30/2014) | (4.5 - 6.1)/(49 - 7) | -0.0380952 |
| | | | |
| 11 (3/23/2015) | 9.2 (11/19/2014) | (11 - 9.2)/(9 - 8) | 1.8 |
| 6.3 (4/22/2015) | 9.2 (11/19/2014) | (6.3 - 9.2)/(10 - 8) | -1.45 |
| 6.6 (9/30/2015) | 9.2 (11/19/2014) | (6.6 - 9.2)/(11 - 8) | -0.866667 |
| 23.3 (11/19/2015) | 9.2 (11/19/2014) | (23.3 - 9.2)/(12 - 8) | 3.525 |
| 8.1 (3/15/2016) | 9.2 (11/19/2014) | (8.1 - 9.2)/(13 - 8) | -0.22 |
| 6 (6/29/2016) | 9.2 (11/19/2014) | (6 - 9.2)/(14 - 8) | -0.533333 |
| 12.7 (8/9/2016) | 9.2 (11/19/2014) | (12.7 - 9.2)/(15 - 8) | 0.5 |
| ND<2.5 U (12/7/2016) | 9.2 (11/19/2014) | (2.5 - 9.2)/(16 - 8) | -0.8375 |
| 9.2 (3/2/2017) | 9.2 (11/19/2014) | (9.2 - 9.2)/(17 - 8) | 0 |
| 63.7 (6/21/2017) | 9.2 (11/19/2014) | (63.7 - 9.2)/(18 - 8) | 5.45 |
| 24.8 (8/17/2017) | 9.2 (11/19/2014) | (24.8 - 9.2)/(19 - 8) | 1.41818 |

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|---|---|---|---|
| 3.6 (10/26/2017) | 9.2 (11/19/2014) | (3.6 - 9.2)/(20 - 8) | -0.466667 |
| 8.2 (3/27/2018) | 9.2 (11/19/2014) | (8.2 - 9.2)/(21 - 8) | -0.0769231 |
| 18.7 (6/26/2018) | 9.2 (11/19/2014) | (18.7 - 9.2)/(22 - 8) | 0.678571 |
| 60 (8/1/2018) | 9.2 (11/19/2014) | (60 - 9.2)/(23 - 8) | 3.38667 |
| 4.3 (12/11/2018) | 9.2 (11/19/2014) | (4.3 - 9.2)/(24 - 8) | -0.30625 |
| 6.7 (4/17/2019) | 9.2 (11/19/2014) | (6.7 - 9.2)/(25 - 8) | -0.147059 |
| 5.9 (6/11/2019) | 9.2 (11/19/2014) | (5.9 - 9.2)/(26 - 8) | -0.183333 |
| 8.5 (8/28/2019) | 9.2 (11/19/2014) | (8.5 - 9.2)/(27 - 8) | -0.0368421 |
| 2.7 (10/28/2019) | 9.2 (11/19/2014) | (2.7 - 9.2)/(28 - 8) | -0.325 |
| 145 (3/31/2020) | 9.2 (11/19/2014) | (145 - 9.2)/(29 - 8) | 6.46667 |
| 40.4 (6/10/2020) | 9.2 (11/19/2014) | (40.4 - 9.2)/(30 - 8) | 1.41818 |
| 8.4 (9/21/2020) | 9.2 (11/19/2014) | (8.4 - 9.2)/(31 - 8) | -0.0347826 |
| 5.4 (12/17/2020) | 9.2 (11/19/2014) | (5.4 - 9.2)/(32 - 8) | -0.158333 |
| 19.8 (3/18/2021) | 9.2 (11/19/2014) | (19.8 - 9.2)/(33 - 8) | 0.424 |
| 6.27 (5/5/2021) | 9.2 (11/19/2014) | (6.27 - 9.2)/(34 - 8) | -0.112692 |
| 3 (9/2/2021) | 9.2 (11/19/2014) | (3 - 9.2)/(35 - 8) | -0.22963 |
| 2.6 (11/23/2021) | 9.2 (11/19/2014) | (2.6 - 9.2)/(36 - 8) | -0.235714 |
| 4.4 (1/10/2022) | 9.2 (11/19/2014) | (4.4 - 9.2)/(37 - 8) | -0.165517 |
| 2.9 (4/7/2022) | 9.2 (11/19/2014) | (2.9 - 9.2)/(38 - 8) | -0.21 |
| 6.5 (8/3/2022) | 9.2 (11/19/2014) | (6.5 - 9.2)/(39 - 8) | -0.0870968 |
| 2.5 (11/16/2022) | 9.2 (11/19/2014) | (2.5 - 9.2)/(40 - 8) | -0.209375 |
| 4.3 (2/13/2023) | 9.2 (11/19/2014) | (4.3 - 9.2)/(41 - 8) | -0.148485 |
| 4.4 (5/24/2023) | 9.2 (11/19/2014) | (4.4 - 9.2)/(42 - 8) | -0.141176 |
| 8.2 (8/7/2023) | 9.2 (11/19/2014) | (8.2 - 9.2)/(43 - 8) | -0.0285714 |
| ND<2.5 U (12/12/2023) | 9.2 (11/19/2014) | (2.5 - 9.2)/(44 - 8) | -0.186111 |
| 9.6 (1/10/2024) | 9.2 (11/19/2014) | (9.6 - 9.2)/(45 - 8) | 0.0108108 |
| 7.67 (5/20/2024) | 9.2 (11/19/2014) | (7.67 - 9.2)/(46 - 8) | -0.0402632 |
| 10 (9/16/2024) | 9.2 (11/19/2014) | (10 - 9.2)/(47 - 8) | 0.0205128 |
| 9.9 (12/11/2024) | 9.2 (11/19/2014) | (9.9 - 9.2)/(48 - 8) | 0.0175 |
| 4.5 (2/18/2025) | 9.2 (11/19/2014) | (4.5 - 9.2)/(49 - 8) | -0.114634 |

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|---|---|---|---|
| 6.3 (4/22/2015) | 11 (3/23/2015) | (6.3 - 11)/(10 - 9) | -4.7 |
| 6.6 (9/30/2015) | 11 (3/23/2015) | (6.6 - 11)/(11 - 9) | -2.2 |
| 23.3 (11/19/2015) | 11 (3/23/2015) | (23.3 - 11)/(12 - 9) | 4.1 |
| 8.1 (3/15/2016) | 11 (3/23/2015) | (8.1 - 11)/(13 - 9) | -0.725 |
| 6 (6/29/2016) | 11 (3/23/2015) | (6 - 11)/(14 - 9) | -1 |
| 12.7 (8/9/2016) | 11 (3/23/2015) | (12.7 - 11)/(15 - 9) | 0.283333 |
| ND<2.5 U (12/7/2016) | 11 (3/23/2015) | (2.5 - 11)/(16 - 9) | -1.21429 |
| 9.2 (3/2/2017) | 11 (3/23/2015) | (9.2 - 11)/(17 - 9) | -0.225 |
| 63.7 (6/21/2017) | 11 (3/23/2015) | (63.7 - 11)/(18 - 9) | 5.85556 |
| 24.8 (8/17/2017) | 11 (3/23/2015) | (24.8 - 11)/(19 - 9) | 1.38 |
| 3.6 (10/26/2017) | 11 (3/23/2015) | (3.6 - 11)/(20 - 9) | -0.672727 |
| 8.2 (3/27/2018) | 11 (3/23/2015) | (8.2 - 11)/(21 - 9) | -0.233333 |
| 18.7 (6/26/2018) | 11 (3/23/2015) | (18.7 - 11)/(22 - 9) | 0.592308 |
| 60 (8/1/2018) | 11 (3/23/2015) | (60 - 11)/(23 - 9) | 3.5 |
| 4.3 (12/11/2018) | 11 (3/23/2015) | (4.3 - 11)/(24 - 9) | -0.446667 |
| 6.7 (4/17/2019) | 11 (3/23/2015) | (6.7 - 11)/(25 - 9) | -0.26875 |
| 5.9 (6/11/2019) | 11 (3/23/2015) | (5.9 - 11)/(26 - 9) | -0.3 |
| 8.5 (8/28/2019) | 11 (3/23/2015) | (8.5 - 11)/(27 - 9) | -0.138889 |
| 2.7 (10/28/2019) | 11 (3/23/2015) | (2.7 - 11)/(28 - 9) | -0.436842 |
| 145 (3/31/2020) | 11 (3/23/2015) | (145 - 11)/(29 - 9) | 6.7 |
| 40.4 (6/10/2020) | 11 (3/23/2015) | (40.4 - 11)/(30 - 9) | 1.4 |
| 8.4 (9/21/2020) | 11 (3/23/2015) | (8.4 - 11)/(31 - 9) | -0.118182 |
| 5.4 (12/17/2020) | 11 (3/23/2015) | (5.4 - 11)/(32 - 9) | -0.243478 |
| 19.8 (3/18/2021) | 11 (3/23/2015) | (19.8 - 11)/(33 - 9) | 0.366667 |
| 6.27 (5/5/2021) | 11 (3/23/2015) | (6.27 - 11)/(34 - 9) | -0.1892 |
| 3 (9/2/2021) | 11 (3/23/2015) | (3 - 11)/(35 - 9) | -0.307692 |

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|---|---|---|---|
| 2.6 (11/23/2021) | 11 (3/23/2015) | (2.6 - 11)/(36 - 9) | -0.311111 |
| 4.4 (1/10/2022) | 11 (3/23/2015) | (4.4 - 11)/(37 - 9) | -0.235714 |
| 2.9 (4/7/2022) | 11 (3/23/2015) | (2.9 - 11)/(38 - 9) | -0.27931 |
| 6.5 (8/3/2022) | 11 (3/23/2015) | (6.5 - 11)/(39 - 9) | -0.15 |
| 2.5 (11/16/2022) | 11 (3/23/2015) | (2.5 - 11)/(40 - 9) | -0.274194 |
| 4.3 (2/13/2023) | 11 (3/23/2015) | (4.3 - 11)/(41 - 9) | -0.209375 |
| 4.4 (5/24/2023) | 11 (3/23/2015) | (4.4 - 11)/(42 - 9) | -0.2 |
| 8.2 (8/7/2023) | 11 (3/23/2015) | (8.2 - 11)/(43 - 9) | -0.0823529 |
| ND<2.5 U (12/12/2023) | 11 (3/23/2015) | (2.5 - 11)/(44 - 9) | -0.242857 |
| 9.6 (1/10/2024) | 11 (3/23/2015) | (9.6 - 11)/(45 - 9) | -0.0388889 |
| 7.67 (5/20/2024) | 11 (3/23/2015) | (7.67 - 11)/(46 - 9) | -0.09 |
| 10 (9/16/2024) | 11 (3/23/2015) | (10 - 11)/(47 - 9) | -0.0263158 |
| 9.9 (12/11/2024) | 11 (3/23/2015) | (9.9 - 11)/(48 - 9) | -0.0282051 |
| 4.5 (2/18/2025) | 11 (3/23/2015) | (4.5 - 11)/(49 - 9) | -0.1625 |
| | | | |
| 6.6 (9/30/2015) | 6.3 (4/22/2015) | (6.6 - 6.3)/(11 - 10) | 0.3 |
| 23.3 (11/19/2015) | 6.3 (4/22/2015) | (23.3 - 6.3)/(12 - 10) | 8.5 |
| 8.1 (3/15/2016) | 6.3 (4/22/2015) | (8.1 - 6.3)/(13 - 10) | 0.6 |
| 6 (6/29/2016) | 6.3 (4/22/2015) | (6 - 6.3)/(14 - 10) | -0.075 |
| 12.7 (8/9/2016) | 6.3 (4/22/2015) | (12.7 - 6.3)/(15 - 10) | 1.28 |
| ND<2.5 U (12/7/2016) | 6.3 (4/22/2015) | (2.5 - 6.3)/(16 - 10) | -0.633333 |
| 9.2 (3/2/2017) | 6.3 (4/22/2015) | (9.2 - 6.3)/(17 - 10) | 0.414286 |
| 63.7 (6/21/2017) | 6.3 (4/22/2015) | (63.7 - 6.3)/(18 - 10) | 7.175 |
| 24.8 (8/17/2017) | 6.3 (4/22/2015) | (24.8 - 6.3)/(19 - 10) | 2.05556 |
| 3.6 (10/26/2017) | 6.3 (4/22/2015) | (3.6 - 6.3)/(20 - 10) | -0.27 |
| 8.2 (3/27/2018) | 6.3 (4/22/2015) | (8.2 - 6.3)/(21 - 10) | 0.172727 |
| 18.7 (6/26/2018) | 6.3 (4/22/2015) | (18.7 - 6.3)/(22 - 10) | 1.03333 |
| 60 (8/1/2018) | 6.3 (4/22/2015) | (60 - 6.3)/(23 - 10) | 4.13077 |
| 4.3 (12/11/2018) | 6.3 (4/22/2015) | (4.3 - 6.3)/(24 - 10) | -0.142857 |
| 6.7 (4/17/2019) | 6.3 (4/22/2015) | (6.7 - 6.3)/(25 - 10) | 0.0266667 |
| 5.9 (6/11/2019) | 6.3 (4/22/2015) | (5.9 - 6.3)/(26 - 10) | -0.025 |
| 8.5 (8/28/2019) | 6.3 (4/22/2015) | (8.5 - 6.3)/(27 - 10) | 0.129412 |
| 2.7 (10/28/2019) | 6.3 (4/22/2015) | (2.7 - 6.3)/(28 - 10) | -0.2 |
| 145 (3/31/2020) | 6.3 (4/22/2015) | (145 - 6.3)/(29 - 10) | 7.3 |
| 40.4 (6/10/2020) | 6.3 (4/22/2015) | (40.4 - 6.3)/(30 - 10) | 1.705 |
| 8.4 (9/21/2020) | 6.3 (4/22/2015) | (8.4 - 6.3)/(31 - 10) | 0.1 |
| 5.4 (12/17/2020) | 6.3 (4/22/2015) | (5.4 - 6.3)/(32 - 10) | -0.0409091 |
| 19.8 (3/18/2021) | 6.3 (4/22/2015) | (19.8 - 6.3)/(33 - 10) | 0.586957 |
| 6.27 (5/5/2021) | 6.3 (4/22/2015) | (6.27 - 6.3)/(34 - 10) | -0.00125 |
| 3 (9/2/2021) | 6.3 (4/22/2015) | (3 - 6.3)/(35 - 10) | -0.132 |
| 2.6 (11/23/2021) | 6.3 (4/22/2015) | (2.6 - 6.3)/(36 - 10) | -0.142308 |
| 4.4 (1/10/2022) | 6.3 (4/22/2015) | (4.4 - 6.3)/(37 - 10) | -0.0703704 |
| 2.9 (4/7/2022) | 6.3 (4/22/2015) | (2.9 - 6.3)/(38 - 10) | -0.121429 |
| 6.5 (8/3/2022) | 6.3 (4/22/2015) | (6.5 - 6.3)/(39 - 10) | 0.00689655 |
| 2.5 (11/16/2022) | 6.3 (4/22/2015) | (2.5 - 6.3)/(40 - 10) | -0.126667 |
| 4.3 (2/13/2023) | 6.3 (4/22/2015) | (4.3 - 6.3)/(41 - 10) | -0.0645161 |
| 4.4 (5/24/2023) | 6.3 (4/22/2015) | (4.4 - 6.3)/(42 - 10) | -0.059375 |
| 8.2 (8/7/2023) | 6.3 (4/22/2015) | (8.2 - 6.3)/(43 - 10) | 0.0575758 |
| ND<2.5 U (12/12/2023) | 6.3 (4/22/2015) | (2.5 - 6.3)/(44 - 10) | -0.111765 |
| 9.6 (1/10/2024) | 6.3 (4/22/2015) | (9.6 - 6.3)/(45 - 10) | 0.0942857 |
| 7.67 (5/20/2024) | 6.3 (4/22/2015) | (7.67 - 6.3)/(46 - 10) | 0.0380556 |
| 10 (9/16/2024) | 6.3 (4/22/2015) | (10 - 6.3)/(47 - 10) | 0.1 |
| 9.9 (12/11/2024) | 6.3 (4/22/2015) | (9.9 - 6.3)/(48 - 10) | 0.0947368 |
| 4.5 (2/18/2025) | 6.3 (4/22/2015) | (4.5 - 6.3)/(49 - 10) | -0.0461538 |
| | | | |
| 23.3 (11/19/2015) | 6.6 (9/30/2015) | (23.3 - 6.6)/(12 - 11) | 16.7 |
| 8.1 (3/15/2016) | 6.6 (9/30/2015) | (8.1 - 6.6)/(13 - 11) | 0.75 |

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| 6 (6/29/2016) | 6.6 (9/30/2015) | (6 - 6.6)/(14 - 11) | -0.2 |
| 12.7 (8/9/2016) | 6.6 (9/30/2015) | (12.7 - 6.6)/(15 - 11) | 1.525 |
| ND<2.5 U (12/7/2016) | 6.6 (9/30/2015) | (2.5 - 6.6)/(16 - 11) | -0.82 |
| 9.2 (3/2/2017) | 6.6 (9/30/2015) | (9.2 - 6.6)/(17 - 11) | 0.433333 |
| 63.7 (6/21/2017) | 6.6 (9/30/2015) | (63.7 - 6.6)/(18 - 11) | 8.15714 |
| 24.8 (8/17/2017) | 6.6 (9/30/2015) | (24.8 - 6.6)/(19 - 11) | 2.275 |
| 3.6 (10/26/2017) | 6.6 (9/30/2015) | (3.6 - 6.6)/(20 - 11) | -0.333333 |
| 8.2 (3/27/2018) | 6.6 (9/30/2015) | (8.2 - 6.6)/(21 - 11) | 0.16 |
| 18.7 (6/26/2018) | 6.6 (9/30/2015) | (18.7 - 6.6)/(22 - 11) | 1.1 |
| 60 (8/1/2018) | 6.6 (9/30/2015) | (60 - 6.6)/(23 - 11) | 4.45 |
| 4.3 (12/11/2018) | 6.6 (9/30/2015) | (4.3 - 6.6)/(24 - 11) | -0.176923 |
| 6.7 (4/17/2019) | 6.6 (9/30/2015) | (6.7 - 6.6)/(25 - 11) | 0.00714286 |
| 5.9 (6/11/2019) | 6.6 (9/30/2015) | (5.9 - 6.6)/(26 - 11) | -0.0466667 |
| 8.5 (8/28/2019) | 6.6 (9/30/2015) | (8.5 - 6.6)/(27 - 11) | 0.11875 |
| 2.7 (10/28/2019) | 6.6 (9/30/2015) | (2.7 - 6.6)/(28 - 11) | -0.229412 |
| 145 (3/31/2020) | 6.6 (9/30/2015) | (145 - 6.6)/(29 - 11) | 7.68889 |
| 40.4 (6/10/2020) | 6.6 (9/30/2015) | (40.4 - 6.6)/(30 - 11) | 1.77895 |
| 8.4 (9/21/2020) | 6.6 (9/30/2015) | (8.4 - 6.6)/(31 - 11) | 0.09 |
| 5.4 (12/17/2020) | 6.6 (9/30/2015) | (5.4 - 6.6)/(32 - 11) | -0.0571429 |
| 19.8 (3/18/2021) | 6.6 (9/30/2015) | (19.8 - 6.6)/(33 - 11) | 0.6 |
| 6.27 (5/5/2021) | 6.6 (9/30/2015) | (6.27 - 6.6)/(34 - 11) | -0.0143478 |
| 3 (9/2/2021) | 6.6 (9/30/2015) | (3 - 6.6)/(35 - 11) | -0.15 |
| 2.6 (11/23/2021) | 6.6 (9/30/2015) | (2.6 - 6.6)/(36 - 11) | -0.16 |
| 4.4 (1/10/2022) | 6.6 (9/30/2015) | (4.4 - 6.6)/(37 - 11) | -0.0846154 |
| 2.9 (4/7/2022) | 6.6 (9/30/2015) | (2.9 - 6.6)/(38 - 11) | -0.137037 |
| 6.5 (8/3/2022) | 6.6 (9/30/2015) | (6.5 - 6.6)/(39 - 11) | -0.00357143 |
| 2.5 (11/16/2022) | 6.6 (9/30/2015) | (2.5 - 6.6)/(40 - 11) | -0.141379 |
| 4.3 (2/13/2023) | 6.6 (9/30/2015) | (4.3 - 6.6)/(41 - 11) | -0.0766667 |
| 4.4 (5/24/2023) | 6.6 (9/30/2015) | (4.4 - 6.6)/(42 - 11) | -0.0709677 |
| 8.2 (8/7/2023) | 6.6 (9/30/2015) | (8.2 - 6.6)/(43 - 11) | 0.05 |
| ND<2.5 U (12/12/2023) | 6.6 (9/30/2015) | (2.5 - 6.6)/(44 - 11) | -0.124242 |
| 9.6 (1/10/2024) | 6.6 (9/30/2015) | (9.6 - 6.6)/(45 - 11) | 0.0882353 |
| 7.67 (5/20/2024) | 6.6 (9/30/2015) | (7.67 - 6.6)/(46 - 11) | 0.0305714 |
| 10 (9/16/2024) | 6.6 (9/30/2015) | (10 - 6.6)/(47 - 11) | 0.0944444 |
| 9.9 (12/11/2024) | 6.6 (9/30/2015) | (9.9 - 6.6)/(48 - 11) | 0.0891892 |
| 4.5 (2/18/2025) | 6.6 (9/30/2015) | (4.5 - 6.6)/(49 - 11) | -0.0552632 |

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|---|---|---|---|
| 8.1 (3/15/2016) | 23.3 (11/19/2015) | (8.1 - 23.3)/(13 - 12) | -15.2 |
| 6 (6/29/2016) | 23.3 (11/19/2015) | (6 - 23.3)/(14 - 12) | -8.65 |
| 12.7 (8/9/2016) | 23.3 (11/19/2015) | (12.7 - 23.3)/(15 - 12) | -3.53333 |
| ND<2.5 U (12/7/2016) | 23.3 (11/19/2015) | (2.5 - 23.3)/(16 - 12) | -5.2 |
| 9.2 (3/2/2017) | 23.3 (11/19/2015) | (9.2 - 23.3)/(17 - 12) | -2.82 |
| 63.7 (6/21/2017) | 23.3 (11/19/2015) | (63.7 - 23.3)/(18 - 12) | 6.73333 |
| 24.8 (8/17/2017) | 23.3 (11/19/2015) | (24.8 - 23.3)/(19 - 12) | 0.214286 |
| 3.6 (10/26/2017) | 23.3 (11/19/2015) | (3.6 - 23.3)/(20 - 12) | -2.4625 |
| 8.2 (3/27/2018) | 23.3 (11/19/2015) | (8.2 - 23.3)/(21 - 12) | -1.67778 |
| 18.7 (6/26/2018) | 23.3 (11/19/2015) | (18.7 - 23.3)/(22 - 12) | -0.46 |
| 60 (8/1/2018) | 23.3 (11/19/2015) | (60 - 23.3)/(23 - 12) | 3.33636 |
| 4.3 (12/11/2018) | 23.3 (11/19/2015) | (4.3 - 23.3)/(24 - 12) | -1.58333 |
| 6.7 (4/17/2019) | 23.3 (11/19/2015) | (6.7 - 23.3)/(25 - 12) | -1.27692 |
| 5.9 (6/11/2019) | 23.3 (11/19/2015) | (5.9 - 23.3)/(26 - 12) | -1.24286 |
| 8.5 (8/28/2019) | 23.3 (11/19/2015) | (8.5 - 23.3)/(27 - 12) | -0.986667 |
| 2.7 (10/28/2019) | 23.3 (11/19/2015) | (2.7 - 23.3)/(28 - 12) | -1.2875 |
| 145 (3/31/2020) | 23.3 (11/19/2015) | (145 - 23.3)/(29 - 12) | 7.15882 |
| 40.4 (6/10/2020) | 23.3 (11/19/2015) | (40.4 - 23.3)/(30 - 12) | 0.95 |
| 8.4 (9/21/2020) | 23.3 (11/19/2015) | (8.4 - 23.3)/(31 - 12) | -0.784211 |
| 5.4 (12/17/2020) | 23.3 (11/19/2015) | (5.4 - 23.3)/(32 - 12) | -0.895 |

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|---|---|---|---|
| 19.8 (3/18/2021) | 23.3 (11/19/2015) | (19.8 - 23.3)/(33 - 12) | -0.166667 |
| 6.27 (5/5/2021) | 23.3 (11/19/2015) | (6.27 - 23.3)/(34 - 12) | -0.774091 |
| 3 (9/2/2021) | 23.3 (11/19/2015) | (3 - 23.3)/(35 - 12) | -0.882609 |
| 2.6 (11/23/2021) | 23.3 (11/19/2015) | (2.6 - 23.3)/(36 - 12) | -0.8625 |
| 4.4 (1/10/2022) | 23.3 (11/19/2015) | (4.4 - 23.3)/(37 - 12) | -0.756 |
| 2.9 (4/7/2022) | 23.3 (11/19/2015) | (2.9 - 23.3)/(38 - 12) | -0.784615 |
| 6.5 (8/3/2022) | 23.3 (11/19/2015) | (6.5 - 23.3)/(39 - 12) | -0.622222 |
| 2.5 (11/16/2022) | 23.3 (11/19/2015) | (2.5 - 23.3)/(40 - 12) | -0.742857 |
| 4.3 (2/13/2023) | 23.3 (11/19/2015) | (4.3 - 23.3)/(41 - 12) | -0.655172 |
| 4.4 (5/24/2023) | 23.3 (11/19/2015) | (4.4 - 23.3)/(42 - 12) | -0.63 |
| 8.2 (8/7/2023) | 23.3 (11/19/2015) | (8.2 - 23.3)/(43 - 12) | -0.487097 |
| ND<2.5 U (12/12/2023) | 23.3 (11/19/2015) | (2.5 - 23.3)/(44 - 12) | -0.65 |
| 9.6 (1/10/2024) | 23.3 (11/19/2015) | (9.6 - 23.3)/(45 - 12) | -0.415152 |
| 7.67 (5/20/2024) | 23.3 (11/19/2015) | (7.67 - 23.3)/(46 - 12) | -0.459706 |
| 10 (9/16/2024) | 23.3 (11/19/2015) | (10 - 23.3)/(47 - 12) | -0.38 |
| 9.9 (12/11/2024) | 23.3 (11/19/2015) | (9.9 - 23.3)/(48 - 12) | -0.372222 |
| 4.5 (2/18/2025) | 23.3 (11/19/2015) | (4.5 - 23.3)/(49 - 12) | -0.508108 |
| | | | |
| 6 (6/29/2016) | 8.1 (3/15/2016) | (6 - 8.1)/(14 - 13) | -2.1 |
| 12.7 (8/9/2016) | 8.1 (3/15/2016) | (12.7 - 8.1)/(15 - 13) | 2.3 |
| ND<2.5 U (12/7/2016) | 8.1 (3/15/2016) | (2.5 - 8.1)/(16 - 13) | -1.86667 |
| 9.2 (3/2/2017) | 8.1 (3/15/2016) | (9.2 - 8.1)/(17 - 13) | 0.275 |
| 63.7 (6/21/2017) | 8.1 (3/15/2016) | (63.7 - 8.1)/(18 - 13) | 11.12 |
| 24.8 (8/17/2017) | 8.1 (3/15/2016) | (24.8 - 8.1)/(19 - 13) | 2.78333 |
| 3.6 (10/26/2017) | 8.1 (3/15/2016) | (3.6 - 8.1)/(20 - 13) | -0.642857 |
| 8.2 (3/27/2018) | 8.1 (3/15/2016) | (8.2 - 8.1)/(21 - 13) | 0.0125 |
| 18.7 (6/26/2018) | 8.1 (3/15/2016) | (18.7 - 8.1)/(22 - 13) | 1.17778 |
| 60 (8/1/2018) | 8.1 (3/15/2016) | (60 - 8.1)/(23 - 13) | 5.19 |
| 4.3 (12/11/2018) | 8.1 (3/15/2016) | (4.3 - 8.1)/(24 - 13) | -0.345455 |
| 6.7 (4/17/2019) | 8.1 (3/15/2016) | (6.7 - 8.1)/(25 - 13) | -0.116667 |
| 5.9 (6/11/2019) | 8.1 (3/15/2016) | (5.9 - 8.1)/(26 - 13) | -0.169231 |
| 8.5 (8/28/2019) | 8.1 (3/15/2016) | (8.5 - 8.1)/(27 - 13) | 0.0285714 |
| 2.7 (10/28/2019) | 8.1 (3/15/2016) | (2.7 - 8.1)/(28 - 13) | -0.36 |
| 145 (3/31/2020) | 8.1 (3/15/2016) | (145 - 8.1)/(29 - 13) | 8.55625 |
| 40.4 (6/10/2020) | 8.1 (3/15/2016) | (40.4 - 8.1)/(30 - 13) | 1.9 |
| 8.4 (9/21/2020) | 8.1 (3/15/2016) | (8.4 - 8.1)/(31 - 13) | 0.0166667 |
| 5.4 (12/17/2020) | 8.1 (3/15/2016) | (5.4 - 8.1)/(32 - 13) | -0.142105 |
| 19.8 (3/18/2021) | 8.1 (3/15/2016) | (19.8 - 8.1)/(33 - 13) | 0.585 |
| 6.27 (5/5/2021) | 8.1 (3/15/2016) | (6.27 - 8.1)/(34 - 13) | -0.0871429 |
| 3 (9/2/2021) | 8.1 (3/15/2016) | (3 - 8.1)/(35 - 13) | -0.231818 |
| 2.6 (11/23/2021) | 8.1 (3/15/2016) | (2.6 - 8.1)/(36 - 13) | -0.23913 |
| 4.4 (1/10/2022) | 8.1 (3/15/2016) | (4.4 - 8.1)/(37 - 13) | -0.154167 |
| 2.9 (4/7/2022) | 8.1 (3/15/2016) | (2.9 - 8.1)/(38 - 13) | -0.208 |
| 6.5 (8/3/2022) | 8.1 (3/15/2016) | (6.5 - 8.1)/(39 - 13) | -0.0615385 |
| 2.5 (11/16/2022) | 8.1 (3/15/2016) | (2.5 - 8.1)/(40 - 13) | -0.207407 |
| 4.3 (2/13/2023) | 8.1 (3/15/2016) | (4.3 - 8.1)/(41 - 13) | -0.135714 |
| 4.4 (5/24/2023) | 8.1 (3/15/2016) | (4.4 - 8.1)/(42 - 13) | -0.127586 |
| 8.2 (8/7/2023) | 8.1 (3/15/2016) | (8.2 - 8.1)/(43 - 13) | 0.00333333 |
| ND<2.5 U (12/12/2023) | 8.1 (3/15/2016) | (2.5 - 8.1)/(44 - 13) | -0.180645 |
| 9.6 (1/10/2024) | 8.1 (3/15/2016) | (9.6 - 8.1)/(45 - 13) | 0.046875 |
| 7.67 (5/20/2024) | 8.1 (3/15/2016) | (7.67 - 8.1)/(46 - 13) | -0.0130303 |
| 10 (9/16/2024) | 8.1 (3/15/2016) | (10 - 8.1)/(47 - 13) | 0.0558824 |
| 9.9 (12/11/2024) | 8.1 (3/15/2016) | (9.9 - 8.1)/(48 - 13) | 0.0514286 |
| 4.5 (2/18/2025) | 8.1 (3/15/2016) | (4.5 - 8.1)/(49 - 13) | -0.1 |
| | | | |
| 12.7 (8/9/2016) | 6 (6/29/2016) | (12.7 - 6)/(15 - 14) | 6.7 |
| ND<2.5 U (12/7/2016) | 6 (6/29/2016) | (2.5 - 6)/(16 - 14) | -1.75 |

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|---|---|---|---|
| 9.2 (3/2/2017) | 6 (6/29/2016) | (9.2 - 6)/(17 - 14) | 1.06667 |
| 63.7 (6/21/2017) | 6 (6/29/2016) | (63.7 - 6)/(18 - 14) | 14.425 |
| 24.8 (8/17/2017) | 6 (6/29/2016) | (24.8 - 6)/(19 - 14) | 3.76 |
| 3.6 (10/26/2017) | 6 (6/29/2016) | (3.6 - 6)/(20 - 14) | -0.4 |
| 8.2 (3/27/2018) | 6 (6/29/2016) | (8.2 - 6)/(21 - 14) | 0.314286 |
| 18.7 (6/26/2018) | 6 (6/29/2016) | (18.7 - 6)/(22 - 14) | 1.5875 |
| 60 (8/1/2018) | 6 (6/29/2016) | (60 - 6)/(23 - 14) | 6 |
| 4.3 (12/11/2018) | 6 (6/29/2016) | (4.3 - 6)/(24 - 14) | -0.17 |
| 6.7 (4/17/2019) | 6 (6/29/2016) | (6.7 - 6)/(25 - 14) | 0.0636364 |
| 5.9 (6/11/2019) | 6 (6/29/2016) | (5.9 - 6)/(26 - 14) | -0.00833333 |
| 8.5 (8/28/2019) | 6 (6/29/2016) | (8.5 - 6)/(27 - 14) | 0.192308 |
| 2.7 (10/28/2019) | 6 (6/29/2016) | (2.7 - 6)/(28 - 14) | -0.235714 |
| 145 (3/31/2020) | 6 (6/29/2016) | (145 - 6)/(29 - 14) | 9.26667 |
| 40.4 (6/10/2020) | 6 (6/29/2016) | (40.4 - 6)/(30 - 14) | 2.15 |
| 8.4 (9/21/2020) | 6 (6/29/2016) | (8.4 - 6)/(31 - 14) | 0.141176 |
| 5.4 (12/17/2020) | 6 (6/29/2016) | (5.4 - 6)/(32 - 14) | -0.0333333 |
| 19.8 (3/18/2021) | 6 (6/29/2016) | (19.8 - 6)/(33 - 14) | 0.726316 |
| 6.27 (5/5/2021) | 6 (6/29/2016) | (6.27 - 6)/(34 - 14) | 0.0135 |
| 3 (9/2/2021) | 6 (6/29/2016) | (3 - 6)/(35 - 14) | -0.142857 |
| 2.6 (11/23/2021) | 6 (6/29/2016) | (2.6 - 6)/(36 - 14) | -0.154545 |
| 4.4 (1/10/2022) | 6 (6/29/2016) | (4.4 - 6)/(37 - 14) | -0.0695652 |
| 2.9 (4/7/2022) | 6 (6/29/2016) | (2.9 - 6)/(38 - 14) | -0.129167 |
| 6.5 (8/3/2022) | 6 (6/29/2016) | (6.5 - 6)/(39 - 14) | 0.02 |
| 2.5 (11/16/2022) | 6 (6/29/2016) | (2.5 - 6)/(40 - 14) | -0.134615 |
| 4.3 (2/13/2023) | 6 (6/29/2016) | (4.3 - 6)/(41 - 14) | -0.062963 |
| 4.4 (5/24/2023) | 6 (6/29/2016) | (4.4 - 6)/(42 - 14) | -0.0571429 |
| 8.2 (8/7/2023) | 6 (6/29/2016) | (8.2 - 6)/(43 - 14) | 0.0758621 |
| ND<2.5 U (12/12/2023) | 6 (6/29/2016) | (2.5 - 6)/(44 - 14) | -0.116667 |
| 9.6 (1/10/2024) | 6 (6/29/2016) | (9.6 - 6)/(45 - 14) | 0.116129 |
| 7.67 (5/20/2024) | 6 (6/29/2016) | (7.67 - 6)/(46 - 14) | 0.0521875 |
| 10 (9/16/2024) | 6 (6/29/2016) | (10 - 6)/(47 - 14) | 0.121212 |
| 9.9 (12/11/2024) | 6 (6/29/2016) | (9.9 - 6)/(48 - 14) | 0.114706 |
| 4.5 (2/18/2025) | 6 (6/29/2016) | (4.5 - 6)/(49 - 14) | -0.0428571 |
| | | | |
| ND<2.5 U (12/7/2016) | 12.7 (8/9/2016) | (2.5 - 12.7)/(16 - 15) | -10.2 |
| 9.2 (3/2/2017) | 12.7 (8/9/2016) | (9.2 - 12.7)/(17 - 15) | -1.75 |
| 63.7 (6/21/2017) | 12.7 (8/9/2016) | (63.7 - 12.7)/(18 - 15) | 17 |
| 24.8 (8/17/2017) | 12.7 (8/9/2016) | (24.8 - 12.7)/(19 - 15) | 3.025 |
| 3.6 (10/26/2017) | 12.7 (8/9/2016) | (3.6 - 12.7)/(20 - 15) | -1.82 |
| 8.2 (3/27/2018) | 12.7 (8/9/2016) | (8.2 - 12.7)/(21 - 15) | -0.75 |
| 18.7 (6/26/2018) | 12.7 (8/9/2016) | (18.7 - 12.7)/(22 - 15) | 0.857143 |
| 60 (8/1/2018) | 12.7 (8/9/2016) | (60 - 12.7)/(23 - 15) | 5.9125 |
| 4.3 (12/11/2018) | 12.7 (8/9/2016) | (4.3 - 12.7)/(24 - 15) | -0.933333 |
| 6.7 (4/17/2019) | 12.7 (8/9/2016) | (6.7 - 12.7)/(25 - 15) | -0.6 |
| 5.9 (6/11/2019) | 12.7 (8/9/2016) | (5.9 - 12.7)/(26 - 15) | -0.618182 |
| 8.5 (8/28/2019) | 12.7 (8/9/2016) | (8.5 - 12.7)/(27 - 15) | -0.35 |
| 2.7 (10/28/2019) | 12.7 (8/9/2016) | (2.7 - 12.7)/(28 - 15) | -0.769231 |
| 145 (3/31/2020) | 12.7 (8/9/2016) | (145 - 12.7)/(29 - 15) | 9.45 |
| 40.4 (6/10/2020) | 12.7 (8/9/2016) | (40.4 - 12.7)/(30 - 15) | 1.84667 |
| 8.4 (9/21/2020) | 12.7 (8/9/2016) | (8.4 - 12.7)/(31 - 15) | -0.26875 |
| 5.4 (12/17/2020) | 12.7 (8/9/2016) | (5.4 - 12.7)/(32 - 15) | -0.429412 |
| 19.8 (3/18/2021) | 12.7 (8/9/2016) | (19.8 - 12.7)/(33 - 15) | 0.394444 |
| 6.27 (5/5/2021) | 12.7 (8/9/2016) | (6.27 - 12.7)/(34 - 15) | -0.338421 |
| 3 (9/2/2021) | 12.7 (8/9/2016) | (3 - 12.7)/(35 - 15) | -0.485 |
| 2.6 (11/23/2021) | 12.7 (8/9/2016) | (2.6 - 12.7)/(36 - 15) | -0.480952 |
| 4.4 (1/10/2022) | 12.7 (8/9/2016) | (4.4 - 12.7)/(37 - 15) | -0.377273 |
| 2.9 (4/7/2022) | 12.7 (8/9/2016) | (2.9 - 12.7)/(38 - 15) | -0.426087 |

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| 6.5 (8/3/2022) | 12.7 (8/9/2016) | (6.5 - 12.7)/(39 - 15) | -0.258333 |
| 2.5 (11/16/2022) | 12.7 (8/9/2016) | (2.5 - 12.7)/(40 - 15) | -0.408 |
| 4.3 (2/13/2023) | 12.7 (8/9/2016) | (4.3 - 12.7)/(41 - 15) | -0.323077 |
| 4.4 (5/24/2023) | 12.7 (8/9/2016) | (4.4 - 12.7)/(42 - 15) | -0.307407 |
| 8.2 (8/7/2023) | 12.7 (8/9/2016) | (8.2 - 12.7)/(43 - 15) | -0.160714 |
| ND<2.5 U (12/12/2023) | 12.7 (8/9/2016) | (2.5 - 12.7)/(44 - 15) | -0.351724 |
| 9.6 (1/10/2024) | 12.7 (8/9/2016) | (9.6 - 12.7)/(45 - 15) | -0.103333 |
| 7.67 (5/20/2024) | 12.7 (8/9/2016) | (7.67 - 12.7)/(46 - 15) | -0.162258 |
| 10 (9/16/2024) | 12.7 (8/9/2016) | (10 - 12.7)/(47 - 15) | -0.084375 |
| 9.9 (12/11/2024) | 12.7 (8/9/2016) | (9.9 - 12.7)/(48 - 15) | -0.0848485 |
| 4.5 (2/18/2025) | 12.7 (8/9/2016) | (4.5 - 12.7)/(49 - 15) | -0.241176 |
| | | | |
| 9.2 (3/2/2017) | ND<2.5 U (12/7/2016) | (9.2 - 2.5)/(17 - 16) | 6.7 |
| 63.7 (6/21/2017) | ND<2.5 U (12/7/2016) | (63.7 - 2.5)/(18 - 16) | 30.6 |
| 24.8 (8/17/2017) | ND<2.5 U (12/7/2016) | (24.8 - 2.5)/(19 - 16) | 7.43333 |
| 3.6 (10/26/2017) | ND<2.5 U (12/7/2016) | (3.6 - 2.5)/(20 - 16) | 0.275 |
| 8.2 (3/27/2018) | ND<2.5 U (12/7/2016) | (8.2 - 2.5)/(21 - 16) | 1.14 |
| 18.7 (6/26/2018) | ND<2.5 U (12/7/2016) | (18.7 - 2.5)/(22 - 16) | 2.7 |
| 60 (8/1/2018) | ND<2.5 U (12/7/2016) | (60 - 2.5)/(23 - 16) | 8.21429 |
| 4.3 (12/11/2018) | ND<2.5 U (12/7/2016) | (4.3 - 2.5)/(24 - 16) | 0.225 |
| 6.7 (4/17/2019) | ND<2.5 U (12/7/2016) | (6.7 - 2.5)/(25 - 16) | 0.466667 |
| 5.9 (6/11/2019) | ND<2.5 U (12/7/2016) | (5.9 - 2.5)/(26 - 16) | 0.34 |
| 8.5 (8/28/2019) | ND<2.5 U (12/7/2016) | (8.5 - 2.5)/(27 - 16) | 0.545455 |
| 2.7 (10/28/2019) | ND<2.5 U (12/7/2016) | (2.7 - 2.5)/(28 - 16) | 0.0166667 |
| 145 (3/31/2020) | ND<2.5 U (12/7/2016) | (145 - 2.5)/(29 - 16) | 10.9615 |
| 40.4 (6/10/2020) | ND<2.5 U (12/7/2016) | (40.4 - 2.5)/(30 - 16) | 2.70714 |
| 8.4 (9/21/2020) | ND<2.5 U (12/7/2016) | (8.4 - 2.5)/(31 - 16) | 0.393333 |
| 5.4 (12/17/2020) | ND<2.5 U (12/7/2016) | (5.4 - 2.5)/(32 - 16) | 0.18125 |
| 19.8 (3/18/2021) | ND<2.5 U (12/7/2016) | (19.8 - 2.5)/(33 - 16) | 1.01765 |
| 6.27 (5/5/2021) | ND<2.5 U (12/7/2016) | (6.27 - 2.5)/(34 - 16) | 0.209444 |
| 3 (9/2/2021) | ND<2.5 U (12/7/2016) | (3 - 2.5)/(35 - 16) | 0.0263158 |
| 2.6 (11/23/2021) | ND<2.5 U (12/7/2016) | (2.6 - 2.5)/(36 - 16) | 0.005 |
| 4.4 (1/10/2022) | ND<2.5 U (12/7/2016) | (4.4 - 2.5)/(37 - 16) | 0.0904762 |
| 2.9 (4/7/2022) | ND<2.5 U (12/7/2016) | (2.9 - 2.5)/(38 - 16) | 0.0181818 |
| 6.5 (8/3/2022) | ND<2.5 U (12/7/2016) | (6.5 - 2.5)/(39 - 16) | 0.173913 |
| 2.5 (11/16/2022) | ND<2.5 U (12/7/2016) | (2.5 - 2.5)/(40 - 16) | 0 |
| 4.3 (2/13/2023) | ND<2.5 U (12/7/2016) | (4.3 - 2.5)/(41 - 16) | 0.072 |
| 4.4 (5/24/2023) | ND<2.5 U (12/7/2016) | (4.4 - 2.5)/(42 - 16) | 0.0730769 |
| 8.2 (8/7/2023) | ND<2.5 U (12/7/2016) | (8.2 - 2.5)/(43 - 16) | 0.211111 |
| ND<2.5 U (12/12/2023) | ND<2.5 U (12/7/2016) | (2.5 - 2.5)/(44 - 16) | 0 |
| 9.6 (1/10/2024) | ND<2.5 U (12/7/2016) | (9.6 - 2.5)/(45 - 16) | 0.244828 |
| 7.67 (5/20/2024) | ND<2.5 U (12/7/2016) | (7.67 - 2.5)/(46 - 16) | 0.172333 |
| 10 (9/16/2024) | ND<2.5 U (12/7/2016) | (10 - 2.5)/(47 - 16) | 0.241935 |
| 9.9 (12/11/2024) | ND<2.5 U (12/7/2016) | (9.9 - 2.5)/(48 - 16) | 0.23125 |
| 4.5 (2/18/2025) | ND<2.5 U (12/7/2016) | (4.5 - 2.5)/(49 - 16) | 0.0606061 |
| | | | |
| 63.7 (6/21/2017) | 9.2 (3/2/2017) | (63.7 - 9.2)/(18 - 17) | 54.5 |
| 24.8 (8/17/2017) | 9.2 (3/2/2017) | (24.8 - 9.2)/(19 - 17) | 7.8 |
| 3.6 (10/26/2017) | 9.2 (3/2/2017) | (3.6 - 9.2)/(20 - 17) | -1.86667 |
| 8.2 (3/27/2018) | 9.2 (3/2/2017) | (8.2 - 9.2)/(21 - 17) | -0.25 |
| 18.7 (6/26/2018) | 9.2 (3/2/2017) | (18.7 - 9.2)/(22 - 17) | 1.9 |
| 60 (8/1/2018) | 9.2 (3/2/2017) | (60 - 9.2)/(23 - 17) | 8.46667 |
| 4.3 (12/11/2018) | 9.2 (3/2/2017) | (4.3 - 9.2)/(24 - 17) | -0.7 |
| 6.7 (4/17/2019) | 9.2 (3/2/2017) | (6.7 - 9.2)/(25 - 17) | -0.3125 |
| 5.9 (6/11/2019) | 9.2 (3/2/2017) | (5.9 - 9.2)/(26 - 17) | -0.366667 |
| 8.5 (8/28/2019) | 9.2 (3/2/2017) | (8.5 - 9.2)/(27 - 17) | -0.07 |
| 2.7 (10/28/2019) | 9.2 (3/2/2017) | (2.7 - 9.2)/(28 - 17) | -0.590909 |

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|---|---|---|---|
| 145 (3/31/2020) | 9.2 (3/2/2017) | (145 - 9.2)/(29 - 17) | 11.3167 |
| 40.4 (6/10/2020) | 9.2 (3/2/2017) | (40.4 - 9.2)/(30 - 17) | 2.4 |
| 8.4 (9/21/2020) | 9.2 (3/2/2017) | (8.4 - 9.2)/(31 - 17) | -0.0571429 |
| 5.4 (12/17/2020) | 9.2 (3/2/2017) | (5.4 - 9.2)/(32 - 17) | -0.253333 |
| 19.8 (3/18/2021) | 9.2 (3/2/2017) | (19.8 - 9.2)/(33 - 17) | 0.6625 |
| 6.27 (5/5/2021) | 9.2 (3/2/2017) | (6.27 - 9.2)/(34 - 17) | -0.172353 |
| 3 (9/2/2021) | 9.2 (3/2/2017) | (3 - 9.2)/(35 - 17) | -0.344444 |
| 2.6 (11/23/2021) | 9.2 (3/2/2017) | (2.6 - 9.2)/(36 - 17) | -0.347368 |
| 4.4 (1/10/2022) | 9.2 (3/2/2017) | (4.4 - 9.2)/(37 - 17) | -0.24 |
| 2.9 (4/7/2022) | 9.2 (3/2/2017) | (2.9 - 9.2)/(38 - 17) | -0.3 |
| 6.5 (8/3/2022) | 9.2 (3/2/2017) | (6.5 - 9.2)/(39 - 17) | -0.122727 |
| 2.5 (11/16/2022) | 9.2 (3/2/2017) | (2.5 - 9.2)/(40 - 17) | -0.291304 |
| 4.3 (2/13/2023) | 9.2 (3/2/2017) | (4.3 - 9.2)/(41 - 17) | -0.204167 |
| 4.4 (5/24/2023) | 9.2 (3/2/2017) | (4.4 - 9.2)/(42 - 17) | -0.192 |
| 8.2 (8/7/2023) | 9.2 (3/2/2017) | (8.2 - 9.2)/(43 - 17) | -0.0384615 |
| ND<2.5 U (12/12/2023) | 9.2 (3/2/2017) | (2.5 - 9.2)/(44 - 17) | -0.248148 |
| 9.6 (1/10/2024) | 9.2 (3/2/2017) | (9.6 - 9.2)/(45 - 17) | 0.0142857 |
| 7.67 (5/20/2024) | 9.2 (3/2/2017) | (7.67 - 9.2)/(46 - 17) | -0.0527586 |
| 10 (9/16/2024) | 9.2 (3/2/2017) | (10 - 9.2)/(47 - 17) | 0.0266667 |
| 9.9 (12/11/2024) | 9.2 (3/2/2017) | (9.9 - 9.2)/(48 - 17) | 0.0225806 |
| 4.5 (2/18/2025) | 9.2 (3/2/2017) | (4.5 - 9.2)/(49 - 17) | -0.146875 |
| | | | |
| 24.8 (8/17/2017) | 63.7 (6/21/2017) | (24.8 - 63.7)/(19 - 18) | -38.9 |
| 3.6 (10/26/2017) | 63.7 (6/21/2017) | (3.6 - 63.7)/(20 - 18) | -30.05 |
| 8.2 (3/27/2018) | 63.7 (6/21/2017) | (8.2 - 63.7)/(21 - 18) | -18.5 |
| 18.7 (6/26/2018) | 63.7 (6/21/2017) | (18.7 - 63.7)/(22 - 18) | -11.25 |
| 60 (8/1/2018) | 63.7 (6/21/2017) | (60 - 63.7)/(23 - 18) | -0.74 |
| 4.3 (12/11/2018) | 63.7 (6/21/2017) | (4.3 - 63.7)/(24 - 18) | -9.9 |
| 6.7 (4/17/2019) | 63.7 (6/21/2017) | (6.7 - 63.7)/(25 - 18) | -8.14286 |
| 5.9 (6/11/2019) | 63.7 (6/21/2017) | (5.9 - 63.7)/(26 - 18) | -7.225 |
| 8.5 (8/28/2019) | 63.7 (6/21/2017) | (8.5 - 63.7)/(27 - 18) | -6.13333 |
| 2.7 (10/28/2019) | 63.7 (6/21/2017) | (2.7 - 63.7)/(28 - 18) | -6.1 |
| 145 (3/31/2020) | 63.7 (6/21/2017) | (145 - 63.7)/(29 - 18) | 7.39091 |
| 40.4 (6/10/2020) | 63.7 (6/21/2017) | (40.4 - 63.7)/(30 - 18) | -1.94167 |
| 8.4 (9/21/2020) | 63.7 (6/21/2017) | (8.4 - 63.7)/(31 - 18) | -4.25385 |
| 5.4 (12/17/2020) | 63.7 (6/21/2017) | (5.4 - 63.7)/(32 - 18) | -4.16429 |
| 19.8 (3/18/2021) | 63.7 (6/21/2017) | (19.8 - 63.7)/(33 - 18) | -2.92667 |
| 6.27 (5/5/2021) | 63.7 (6/21/2017) | (6.27 - 63.7)/(34 - 18) | -3.58938 |
| 3 (9/2/2021) | 63.7 (6/21/2017) | (3 - 63.7)/(35 - 18) | -3.57059 |
| 2.6 (11/23/2021) | 63.7 (6/21/2017) | (2.6 - 63.7)/(36 - 18) | -3.39444 |
| 4.4 (1/10/2022) | 63.7 (6/21/2017) | (4.4 - 63.7)/(37 - 18) | -3.12105 |
| 2.9 (4/7/2022) | 63.7 (6/21/2017) | (2.9 - 63.7)/(38 - 18) | -3.04 |
| 6.5 (8/3/2022) | 63.7 (6/21/2017) | (6.5 - 63.7)/(39 - 18) | -2.72381 |
| 2.5 (11/16/2022) | 63.7 (6/21/2017) | (2.5 - 63.7)/(40 - 18) | -2.78182 |
| 4.3 (2/13/2023) | 63.7 (6/21/2017) | (4.3 - 63.7)/(41 - 18) | -2.58261 |
| 4.4 (5/24/2023) | 63.7 (6/21/2017) | (4.4 - 63.7)/(42 - 18) | -2.47083 |
| 8.2 (8/7/2023) | 63.7 (6/21/2017) | (8.2 - 63.7)/(43 - 18) | -2.22 |
| ND<2.5 U (12/12/2023) | 63.7 (6/21/2017) | (2.5 - 63.7)/(44 - 18) | -2.35385 |
| 9.6 (1/10/2024) | 63.7 (6/21/2017) | (9.6 - 63.7)/(45 - 18) | -2.0037 |
| 7.67 (5/20/2024) | 63.7 (6/21/2017) | (7.67 - 63.7)/(46 - 18) | -2.00107 |
| 10 (9/16/2024) | 63.7 (6/21/2017) | (10 - 63.7)/(47 - 18) | -1.85172 |
| 9.9 (12/11/2024) | 63.7 (6/21/2017) | (9.9 - 63.7)/(48 - 18) | -1.79333 |
| 4.5 (2/18/2025) | 63.7 (6/21/2017) | (4.5 - 63.7)/(49 - 18) | -1.90968 |
| | | | |
| 3.6 (10/26/2017) | 24.8 (8/17/2017) | (3.6 - 24.8)/(20 - 19) | -21.2 |
| 8.2 (3/27/2018) | 24.8 (8/17/2017) | (8.2 - 24.8)/(21 - 19) | -8.3 |
| 18.7 (6/26/2018) | 24.8 (8/17/2017) | (18.7 - 24.8)/(22 - 19) | -2.03333 |

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|---|---|---|---|
| 60 (8/1/2018) | 24.8 (8/17/2017) | (60 - 24.8)/(23 - 19) | 8.8 |
| 4.3 (12/11/2018) | 24.8 (8/17/2017) | (4.3 - 24.8)/(24 - 19) | -4.1 |
| 6.7 (4/17/2019) | 24.8 (8/17/2017) | (6.7 - 24.8)/(25 - 19) | -3.01667 |
| 5.9 (6/11/2019) | 24.8 (8/17/2017) | (5.9 - 24.8)/(26 - 19) | -2.7 |
| 8.5 (8/28/2019) | 24.8 (8/17/2017) | (8.5 - 24.8)/(27 - 19) | -2.0375 |
| 2.7 (10/28/2019) | 24.8 (8/17/2017) | (2.7 - 24.8)/(28 - 19) | -2.45556 |
| 145 (3/31/2020) | 24.8 (8/17/2017) | (145 - 24.8)/(29 - 19) | 12.02 |
| 40.4 (6/10/2020) | 24.8 (8/17/2017) | (40.4 - 24.8)/(30 - 19) | 1.41818 |
| 8.4 (9/21/2020) | 24.8 (8/17/2017) | (8.4 - 24.8)/(31 - 19) | -1.36667 |
| 5.4 (12/17/2020) | 24.8 (8/17/2017) | (5.4 - 24.8)/(32 - 19) | -1.49231 |
| 19.8 (3/18/2021) | 24.8 (8/17/2017) | (19.8 - 24.8)/(33 - 19) | -0.357143 |
| 6.27 (5/5/2021) | 24.8 (8/17/2017) | (6.27 - 24.8)/(34 - 19) | -1.23533 |
| 3 (9/2/2021) | 24.8 (8/17/2017) | (3 - 24.8)/(35 - 19) | -1.3625 |
| 2.6 (11/23/2021) | 24.8 (8/17/2017) | (2.6 - 24.8)/(36 - 19) | -1.30588 |
| 4.4 (1/10/2022) | 24.8 (8/17/2017) | (4.4 - 24.8)/(37 - 19) | -1.13333 |
| 2.9 (4/7/2022) | 24.8 (8/17/2017) | (2.9 - 24.8)/(38 - 19) | -1.15263 |
| 6.5 (8/3/2022) | 24.8 (8/17/2017) | (6.5 - 24.8)/(39 - 19) | -0.915 |
| 2.5 (11/16/2022) | 24.8 (8/17/2017) | (2.5 - 24.8)/(40 - 19) | -1.0619 |
| 4.3 (2/13/2023) | 24.8 (8/17/2017) | (4.3 - 24.8)/(41 - 19) | -0.931818 |
| 4.4 (5/24/2023) | 24.8 (8/17/2017) | (4.4 - 24.8)/(42 - 19) | -0.886957 |
| 8.2 (8/7/2023) | 24.8 (8/17/2017) | (8.2 - 24.8)/(43 - 19) | -0.691667 |
| ND<2.5 U (12/12/2023) | 24.8 (8/17/2017) | (2.5 - 24.8)/(44 - 19) | -0.892 |
| 9.6 (1/10/2024) | 24.8 (8/17/2017) | (9.6 - 24.8)/(45 - 19) | -0.584615 |
| 7.67 (5/20/2024) | 24.8 (8/17/2017) | (7.67 - 24.8)/(46 - 19) | -0.634444 |
| 10 (9/16/2024) | 24.8 (8/17/2017) | (10 - 24.8)/(47 - 19) | -0.528571 |
| 9.9 (12/11/2024) | 24.8 (8/17/2017) | (9.9 - 24.8)/(48 - 19) | -0.513793 |
| 4.5 (2/18/2025) | 24.8 (8/17/2017) | (4.5 - 24.8)/(49 - 19) | -0.676667 |
| | | | |
| 8.2 (3/27/2018) | 3.6 (10/26/2017) | (8.2 - 3.6)/(21 - 20) | 4.6 |
| 18.7 (6/26/2018) | 3.6 (10/26/2017) | (18.7 - 3.6)/(22 - 20) | 7.55 |
| 60 (8/1/2018) | 3.6 (10/26/2017) | (60 - 3.6)/(23 - 20) | 18.8 |
| 4.3 (12/11/2018) | 3.6 (10/26/2017) | (4.3 - 3.6)/(24 - 20) | 0.175 |
| 6.7 (4/17/2019) | 3.6 (10/26/2017) | (6.7 - 3.6)/(25 - 20) | 0.62 |
| 5.9 (6/11/2019) | 3.6 (10/26/2017) | (5.9 - 3.6)/(26 - 20) | 0.383333 |
| 8.5 (8/28/2019) | 3.6 (10/26/2017) | (8.5 - 3.6)/(27 - 20) | 0.7 |
| 2.7 (10/28/2019) | 3.6 (10/26/2017) | (2.7 - 3.6)/(28 - 20) | -0.1125 |
| 145 (3/31/2020) | 3.6 (10/26/2017) | (145 - 3.6)/(29 - 20) | 15.7111 |
| 40.4 (6/10/2020) | 3.6 (10/26/2017) | (40.4 - 3.6)/(30 - 20) | 3.68 |
| 8.4 (9/21/2020) | 3.6 (10/26/2017) | (8.4 - 3.6)/(31 - 20) | 0.436364 |
| 5.4 (12/17/2020) | 3.6 (10/26/2017) | (5.4 - 3.6)/(32 - 20) | 0.15 |
| 19.8 (3/18/2021) | 3.6 (10/26/2017) | (19.8 - 3.6)/(33 - 20) | 1.24615 |
| 6.27 (5/5/2021) | 3.6 (10/26/2017) | (6.27 - 3.6)/(34 - 20) | 0.190714 |
| 3 (9/2/2021) | 3.6 (10/26/2017) | (3 - 3.6)/(35 - 20) | -0.04 |
| 2.6 (11/23/2021) | 3.6 (10/26/2017) | (2.6 - 3.6)/(36 - 20) | -0.0625 |
| 4.4 (1/10/2022) | 3.6 (10/26/2017) | (4.4 - 3.6)/(37 - 20) | 0.0470588 |
| 2.9 (4/7/2022) | 3.6 (10/26/2017) | (2.9 - 3.6)/(38 - 20) | -0.0388889 |
| 6.5 (8/3/2022) | 3.6 (10/26/2017) | (6.5 - 3.6)/(39 - 20) | 0.152632 |
| 2.5 (11/16/2022) | 3.6 (10/26/2017) | (2.5 - 3.6)/(40 - 20) | -0.055 |
| 4.3 (2/13/2023) | 3.6 (10/26/2017) | (4.3 - 3.6)/(41 - 20) | 0.0333333 |
| 4.4 (5/24/2023) | 3.6 (10/26/2017) | (4.4 - 3.6)/(42 - 20) | 0.0363636 |
| 8.2 (8/7/2023) | 3.6 (10/26/2017) | (8.2 - 3.6)/(43 - 20) | 0.2 |
| ND<2.5 U (12/12/2023) | 3.6 (10/26/2017) | (2.5 - 3.6)/(44 - 20) | -0.0458333 |
| 9.6 (1/10/2024) | 3.6 (10/26/2017) | (9.6 - 3.6)/(45 - 20) | 0.24 |
| 7.67 (5/20/2024) | 3.6 (10/26/2017) | (7.67 - 3.6)/(46 - 20) | 0.156538 |
| 10 (9/16/2024) | 3.6 (10/26/2017) | (10 - 3.6)/(47 - 20) | 0.237037 |
| 9.9 (12/11/2024) | 3.6 (10/26/2017) | (9.9 - 3.6)/(48 - 20) | 0.225 |
| 4.5 (2/18/2025) | 3.6 (10/26/2017) | (4.5 - 3.6)/(49 - 20) | 0.0310345 |

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| 18.7 (6/26/2018) | 8.2 (3/27/2018) | (18.7 - 8.2)/(22 - 21) | 10.5 |
| 60 (8/1/2018) | 8.2 (3/27/2018) | (60 - 8.2)/(23 - 21) | 25.9 |
| 4.3 (12/11/2018) | 8.2 (3/27/2018) | (4.3 - 8.2)/(24 - 21) | -1.3 |
| 6.7 (4/17/2019) | 8.2 (3/27/2018) | (6.7 - 8.2)/(25 - 21) | -0.375 |
| 5.9 (6/11/2019) | 8.2 (3/27/2018) | (5.9 - 8.2)/(26 - 21) | -0.46 |
| 8.5 (8/28/2019) | 8.2 (3/27/2018) | (8.5 - 8.2)/(27 - 21) | 0.05 |
| 2.7 (10/28/2019) | 8.2 (3/27/2018) | (2.7 - 8.2)/(28 - 21) | -0.785714 |
| 145 (3/31/2020) | 8.2 (3/27/2018) | (145 - 8.2)/(29 - 21) | 17.1 |
| 40.4 (6/10/2020) | 8.2 (3/27/2018) | (40.4 - 8.2)/(30 - 21) | 3.57778 |
| 8.4 (9/21/2020) | 8.2 (3/27/2018) | (8.4 - 8.2)/(31 - 21) | 0.02 |
| 5.4 (12/17/2020) | 8.2 (3/27/2018) | (5.4 - 8.2)/(32 - 21) | -0.254545 |
| 19.8 (3/18/2021) | 8.2 (3/27/2018) | (19.8 - 8.2)/(33 - 21) | 0.966667 |
| 6.27 (5/5/2021) | 8.2 (3/27/2018) | (6.27 - 8.2)/(34 - 21) | -0.148462 |
| 3 (9/2/2021) | 8.2 (3/27/2018) | (3 - 8.2)/(35 - 21) | -0.371429 |
| 2.6 (11/23/2021) | 8.2 (3/27/2018) | (2.6 - 8.2)/(36 - 21) | -0.373333 |
| 4.4 (1/10/2022) | 8.2 (3/27/2018) | (4.4 - 8.2)/(37 - 21) | -0.2375 |
| 2.9 (4/7/2022) | 8.2 (3/27/2018) | (2.9 - 8.2)/(38 - 21) | -0.311765 |
| 6.5 (8/3/2022) | 8.2 (3/27/2018) | (6.5 - 8.2)/(39 - 21) | -0.0944444 |
| 2.5 (11/16/2022) | 8.2 (3/27/2018) | (2.5 - 8.2)/(40 - 21) | -0.3 |
| 4.3 (2/13/2023) | 8.2 (3/27/2018) | (4.3 - 8.2)/(41 - 21) | -0.195 |
| 4.4 (5/24/2023) | 8.2 (3/27/2018) | (4.4 - 8.2)/(42 - 21) | -0.180952 |
| 8.2 (8/7/2023) | 8.2 (3/27/2018) | (8.2 - 8.2)/(43 - 21) | 0 |
| ND<2.5 U (12/12/2023) | 8.2 (3/27/2018) | (2.5 - 8.2)/(44 - 21) | -0.247826 |
| 9.6 (1/10/2024) | 8.2 (3/27/2018) | (9.6 - 8.2)/(45 - 21) | 0.0583333 |
| 7.67 (5/20/2024) | 8.2 (3/27/2018) | (7.67 - 8.2)/(46 - 21) | -0.0212 |
| 10 (9/16/2024) | 8.2 (3/27/2018) | (10 - 8.2)/(47 - 21) | 0.0692308 |
| 9.9 (12/11/2024) | 8.2 (3/27/2018) | (9.9 - 8.2)/(48 - 21) | 0.062963 |
| 4.5 (2/18/2025) | 8.2 (3/27/2018) | (4.5 - 8.2)/(49 - 21) | -0.132143 |

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| 60 (8/1/2018) | 18.7 (6/26/2018) | (60 - 18.7)/(23 - 22) | 41.3 |
| 4.3 (12/11/2018) | 18.7 (6/26/2018) | (4.3 - 18.7)/(24 - 22) | -7.2 |
| 6.7 (4/17/2019) | 18.7 (6/26/2018) | (6.7 - 18.7)/(25 - 22) | -4 |
| 5.9 (6/11/2019) | 18.7 (6/26/2018) | (5.9 - 18.7)/(26 - 22) | -3.2 |
| 8.5 (8/28/2019) | 18.7 (6/26/2018) | (8.5 - 18.7)/(27 - 22) | -2.04 |
| 2.7 (10/28/2019) | 18.7 (6/26/2018) | (2.7 - 18.7)/(28 - 22) | -2.66667 |
| 145 (3/31/2020) | 18.7 (6/26/2018) | (145 - 18.7)/(29 - 22) | 18.0429 |
| 40.4 (6/10/2020) | 18.7 (6/26/2018) | (40.4 - 18.7)/(30 - 22) | 2.7125 |
| 8.4 (9/21/2020) | 18.7 (6/26/2018) | (8.4 - 18.7)/(31 - 22) | -1.14444 |
| 5.4 (12/17/2020) | 18.7 (6/26/2018) | (5.4 - 18.7)/(32 - 22) | -1.33 |
| 19.8 (3/18/2021) | 18.7 (6/26/2018) | (19.8 - 18.7)/(33 - 22) | 0.1 |
| 6.27 (5/5/2021) | 18.7 (6/26/2018) | (6.27 - 18.7)/(34 - 22) | -1.03583 |
| 3 (9/2/2021) | 18.7 (6/26/2018) | (3 - 18.7)/(35 - 22) | -1.20769 |
| 2.6 (11/23/2021) | 18.7 (6/26/2018) | (2.6 - 18.7)/(36 - 22) | -1.15 |
| 4.4 (1/10/2022) | 18.7 (6/26/2018) | (4.4 - 18.7)/(37 - 22) | -0.953333 |
| 2.9 (4/7/2022) | 18.7 (6/26/2018) | (2.9 - 18.7)/(38 - 22) | -0.9875 |
| 6.5 (8/3/2022) | 18.7 (6/26/2018) | (6.5 - 18.7)/(39 - 22) | -0.717647 |
| 2.5 (11/16/2022) | 18.7 (6/26/2018) | (2.5 - 18.7)/(40 - 22) | -0.9 |
| 4.3 (2/13/2023) | 18.7 (6/26/2018) | (4.3 - 18.7)/(41 - 22) | -0.757895 |
| 4.4 (5/24/2023) | 18.7 (6/26/2018) | (4.4 - 18.7)/(42 - 22) | -0.715 |
| 8.2 (8/7/2023) | 18.7 (6/26/2018) | (8.2 - 18.7)/(43 - 22) | -0.5 |
| ND<2.5 U (12/12/2023) | 18.7 (6/26/2018) | (2.5 - 18.7)/(44 - 22) | -0.736364 |
| 9.6 (1/10/2024) | 18.7 (6/26/2018) | (9.6 - 18.7)/(45 - 22) | -0.395652 |
| 7.67 (5/20/2024) | 18.7 (6/26/2018) | (7.67 - 18.7)/(46 - 22) | -0.459583 |
| 10 (9/16/2024) | 18.7 (6/26/2018) | (10 - 18.7)/(47 - 22) | -0.348 |
| 9.9 (12/11/2024) | 18.7 (6/26/2018) | (9.9 - 18.7)/(48 - 22) | -0.338462 |
| 4.5 (2/18/2025) | 18.7 (6/26/2018) | (4.5 - 18.7)/(49 - 22) | -0.525926 |

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|---|---|---|---|
| 4.3 (12/11/2018) | 60 (8/1/2018) | (4.3 - 60)/(24 - 23) | -55.7 |
| 6.7 (4/17/2019) | 60 (8/1/2018) | (6.7 - 60)/(25 - 23) | -26.65 |
| 5.9 (6/11/2019) | 60 (8/1/2018) | (5.9 - 60)/(26 - 23) | -18.0333 |
| 8.5 (8/28/2019) | 60 (8/1/2018) | (8.5 - 60)/(27 - 23) | -12.875 |
| 2.7 (10/28/2019) | 60 (8/1/2018) | (2.7 - 60)/(28 - 23) | -11.46 |
| 145 (3/31/2020) | 60 (8/1/2018) | (145 - 60)/(29 - 23) | 14.1667 |
| 40.4 (6/10/2020) | 60 (8/1/2018) | (40.4 - 60)/(30 - 23) | -2.8 |
| 8.4 (9/21/2020) | 60 (8/1/2018) | (8.4 - 60)/(31 - 23) | -6.45 |
| 5.4 (12/17/2020) | 60 (8/1/2018) | (5.4 - 60)/(32 - 23) | -6.06667 |
| 19.8 (3/18/2021) | 60 (8/1/2018) | (19.8 - 60)/(33 - 23) | -4.02 |
| 6.27 (5/5/2021) | 60 (8/1/2018) | (6.27 - 60)/(34 - 23) | -4.88455 |
| 3 (9/2/2021) | 60 (8/1/2018) | (3 - 60)/(35 - 23) | -4.75 |
| 2.6 (11/23/2021) | 60 (8/1/2018) | (2.6 - 60)/(36 - 23) | -4.41538 |
| 4.4 (1/10/2022) | 60 (8/1/2018) | (4.4 - 60)/(37 - 23) | -3.97143 |
| 2.9 (4/7/2022) | 60 (8/1/2018) | (2.9 - 60)/(38 - 23) | -3.80667 |
| 6.5 (8/3/2022) | 60 (8/1/2018) | (6.5 - 60)/(39 - 23) | -3.34375 |
| 2.5 (11/16/2022) | 60 (8/1/2018) | (2.5 - 60)/(40 - 23) | -3.38235 |
| 4.3 (2/13/2023) | 60 (8/1/2018) | (4.3 - 60)/(41 - 23) | -3.09444 |
| 4.4 (5/24/2023) | 60 (8/1/2018) | (4.4 - 60)/(42 - 23) | -2.92632 |
| 8.2 (8/7/2023) | 60 (8/1/2018) | (8.2 - 60)/(43 - 23) | -2.59 |
| ND<2.5 U (12/12/2023) | 60 (8/1/2018) | (2.5 - 60)/(44 - 23) | -2.7381 |
| 9.6 (1/10/2024) | 60 (8/1/2018) | (9.6 - 60)/(45 - 23) | -2.29091 |
| 7.67 (5/20/2024) | 60 (8/1/2018) | (7.67 - 60)/(46 - 23) | -2.27522 |
| 10 (9/16/2024) | 60 (8/1/2018) | (10 - 60)/(47 - 23) | -2.08333 |
| 9.9 (12/11/2024) | 60 (8/1/2018) | (9.9 - 60)/(48 - 23) | -2.004 |
| 4.5 (2/18/2025) | 60 (8/1/2018) | (4.5 - 60)/(49 - 23) | -2.13462 |
| | | | |
| 6.7 (4/17/2019) | 4.3 (12/11/2018) | (6.7 - 4.3)/(25 - 24) | 2.4 |
| 5.9 (6/11/2019) | 4.3 (12/11/2018) | (5.9 - 4.3)/(26 - 24) | 0.8 |
| 8.5 (8/28/2019) | 4.3 (12/11/2018) | (8.5 - 4.3)/(27 - 24) | 1.4 |
| 2.7 (10/28/2019) | 4.3 (12/11/2018) | (2.7 - 4.3)/(28 - 24) | -0.4 |
| 145 (3/31/2020) | 4.3 (12/11/2018) | (145 - 4.3)/(29 - 24) | 28.14 |
| 40.4 (6/10/2020) | 4.3 (12/11/2018) | (40.4 - 4.3)/(30 - 24) | 6.01667 |
| 8.4 (9/21/2020) | 4.3 (12/11/2018) | (8.4 - 4.3)/(31 - 24) | 0.585714 |
| 5.4 (12/17/2020) | 4.3 (12/11/2018) | (5.4 - 4.3)/(32 - 24) | 0.1375 |
| 19.8 (3/18/2021) | 4.3 (12/11/2018) | (19.8 - 4.3)/(33 - 24) | 1.72222 |
| 6.27 (5/5/2021) | 4.3 (12/11/2018) | (6.27 - 4.3)/(34 - 24) | 0.197 |
| 3 (9/2/2021) | 4.3 (12/11/2018) | (3 - 4.3)/(35 - 24) | -0.118182 |
| 2.6 (11/23/2021) | 4.3 (12/11/2018) | (2.6 - 4.3)/(36 - 24) | -0.141667 |
| 4.4 (1/10/2022) | 4.3 (12/11/2018) | (4.4 - 4.3)/(37 - 24) | 0.00769231 |
| 2.9 (4/7/2022) | 4.3 (12/11/2018) | (2.9 - 4.3)/(38 - 24) | -0.1 |
| 6.5 (8/3/2022) | 4.3 (12/11/2018) | (6.5 - 4.3)/(39 - 24) | 0.146667 |
| 2.5 (11/16/2022) | 4.3 (12/11/2018) | (2.5 - 4.3)/(40 - 24) | -0.1125 |
| 4.3 (2/13/2023) | 4.3 (12/11/2018) | (4.3 - 4.3)/(41 - 24) | 0 |
| 4.4 (5/24/2023) | 4.3 (12/11/2018) | (4.4 - 4.3)/(42 - 24) | 0.00555556 |
| 8.2 (8/7/2023) | 4.3 (12/11/2018) | (8.2 - 4.3)/(43 - 24) | 0.205263 |
| ND<2.5 U (12/12/2023) | 4.3 (12/11/2018) | (2.5 - 4.3)/(44 - 24) | -0.09 |
| 9.6 (1/10/2024) | 4.3 (12/11/2018) | (9.6 - 4.3)/(45 - 24) | 0.252381 |
| 7.67 (5/20/2024) | 4.3 (12/11/2018) | (7.67 - 4.3)/(46 - 24) | 0.153182 |
| 10 (9/16/2024) | 4.3 (12/11/2018) | (10 - 4.3)/(47 - 24) | 0.247826 |
| 9.9 (12/11/2024) | 4.3 (12/11/2018) | (9.9 - 4.3)/(48 - 24) | 0.233333 |
| 4.5 (2/18/2025) | 4.3 (12/11/2018) | (4.5 - 4.3)/(49 - 24) | 0.008 |
| | | | |
| 5.9 (6/11/2019) | 6.7 (4/17/2019) | (5.9 - 6.7)/(26 - 25) | -0.8 |
| 8.5 (8/28/2019) | 6.7 (4/17/2019) | (8.5 - 6.7)/(27 - 25) | 0.9 |
| 2.7 (10/28/2019) | 6.7 (4/17/2019) | (2.7 - 6.7)/(28 - 25) | -1.33333 |

| | | | |
|---|---|---|---|
| 145 (3/31/2020) | 6.7 (4/17/2019) | (145 - 6.7)/(29 - 25) | 34.575 |
| 40.4 (6/10/2020) | 6.7 (4/17/2019) | (40.4 - 6.7)/(30 - 25) | 6.74 |
| 8.4 (9/21/2020) | 6.7 (4/17/2019) | (8.4 - 6.7)/(31 - 25) | 0.283333 |
| 5.4 (12/17/2020) | 6.7 (4/17/2019) | (5.4 - 6.7)/(32 - 25) | -0.185714 |
| 19.8 (3/18/2021) | 6.7 (4/17/2019) | (19.8 - 6.7)/(33 - 25) | 1.6375 |
| 6.27 (5/5/2021) | 6.7 (4/17/2019) | (6.27 - 6.7)/(34 - 25) | -0.0477778 |
| 3 (9/2/2021) | 6.7 (4/17/2019) | (3 - 6.7)/(35 - 25) | -0.37 |
| 2.6 (11/23/2021) | 6.7 (4/17/2019) | (2.6 - 6.7)/(36 - 25) | -0.372727 |
| 4.4 (1/10/2022) | 6.7 (4/17/2019) | (4.4 - 6.7)/(37 - 25) | -0.191667 |
| 2.9 (4/7/2022) | 6.7 (4/17/2019) | (2.9 - 6.7)/(38 - 25) | -0.292308 |
| 6.5 (8/3/2022) | 6.7 (4/17/2019) | (6.5 - 6.7)/(39 - 25) | -0.0142857 |
| 2.5 (11/16/2022) | 6.7 (4/17/2019) | (2.5 - 6.7)/(40 - 25) | -0.28 |
| 4.3 (2/13/2023) | 6.7 (4/17/2019) | (4.3 - 6.7)/(41 - 25) | -0.15 |
| 4.4 (5/24/2023) | 6.7 (4/17/2019) | (4.4 - 6.7)/(42 - 25) | -0.135294 |
| 8.2 (8/7/2023) | 6.7 (4/17/2019) | (8.2 - 6.7)/(43 - 25) | 0.0833333 |
| ND<2.5 U (12/12/2023) | 6.7 (4/17/2019) | (2.5 - 6.7)/(44 - 25) | -0.221053 |
| 9.6 (1/10/2024) | 6.7 (4/17/2019) | (9.6 - 6.7)/(45 - 25) | 0.145 |
| 7.67 (5/20/2024) | 6.7 (4/17/2019) | (7.67 - 6.7)/(46 - 25) | 0.0461905 |
| 10 (9/16/2024) | 6.7 (4/17/2019) | (10 - 6.7)/(47 - 25) | 0.15 |
| 9.9 (12/11/2024) | 6.7 (4/17/2019) | (9.9 - 6.7)/(48 - 25) | 0.13913 |
| 4.5 (2/18/2025) | 6.7 (4/17/2019) | (4.5 - 6.7)/(49 - 25) | -0.0916667 |
| | | | |
| 8.5 (8/28/2019) | 5.9 (6/11/2019) | (8.5 - 5.9)/(27 - 26) | 2.6 |
| 2.7 (10/28/2019) | 5.9 (6/11/2019) | (2.7 - 5.9)/(28 - 26) | -1.6 |
| 145 (3/31/2020) | 5.9 (6/11/2019) | (145 - 5.9)/(29 - 26) | 46.3667 |
| 40.4 (6/10/2020) | 5.9 (6/11/2019) | (40.4 - 5.9)/(30 - 26) | 8.625 |
| 8.4 (9/21/2020) | 5.9 (6/11/2019) | (8.4 - 5.9)/(31 - 26) | 0.5 |
| 5.4 (12/17/2020) | 5.9 (6/11/2019) | (5.4 - 5.9)/(32 - 26) | -0.0833333 |
| 19.8 (3/18/2021) | 5.9 (6/11/2019) | (19.8 - 5.9)/(33 - 26) | 1.98571 |
| 6.27 (5/5/2021) | 5.9 (6/11/2019) | (6.27 - 5.9)/(34 - 26) | 0.04625 |
| 3 (9/2/2021) | 5.9 (6/11/2019) | (3 - 5.9)/(35 - 26) | -0.322222 |
| 2.6 (11/23/2021) | 5.9 (6/11/2019) | (2.6 - 5.9)/(36 - 26) | -0.33 |
| 4.4 (1/10/2022) | 5.9 (6/11/2019) | (4.4 - 5.9)/(37 - 26) | -0.136364 |
| 2.9 (4/7/2022) | 5.9 (6/11/2019) | (2.9 - 5.9)/(38 - 26) | -0.25 |
| 6.5 (8/3/2022) | 5.9 (6/11/2019) | (6.5 - 5.9)/(39 - 26) | 0.0461538 |
| 2.5 (11/16/2022) | 5.9 (6/11/2019) | (2.5 - 5.9)/(40 - 26) | -0.242857 |
| 4.3 (2/13/2023) | 5.9 (6/11/2019) | (4.3 - 5.9)/(41 - 26) | -0.106667 |
| 4.4 (5/24/2023) | 5.9 (6/11/2019) | (4.4 - 5.9)/(42 - 26) | -0.09375 |
| 8.2 (8/7/2023) | 5.9 (6/11/2019) | (8.2 - 5.9)/(43 - 26) | 0.135294 |
| ND<2.5 U (12/12/2023) | 5.9 (6/11/2019) | (2.5 - 5.9)/(44 - 26) | -0.188889 |
| 9.6 (1/10/2024) | 5.9 (6/11/2019) | (9.6 - 5.9)/(45 - 26) | 0.194737 |
| 7.67 (5/20/2024) | 5.9 (6/11/2019) | (7.67 - 5.9)/(46 - 26) | 0.0885 |
| 10 (9/16/2024) | 5.9 (6/11/2019) | (10 - 5.9)/(47 - 26) | 0.195238 |
| 9.9 (12/11/2024) | 5.9 (6/11/2019) | (9.9 - 5.9)/(48 - 26) | 0.181818 |
| 4.5 (2/18/2025) | 5.9 (6/11/2019) | (4.5 - 5.9)/(49 - 26) | -0.0608696 |
| | | | |
| 2.7 (10/28/2019) | 8.5 (8/28/2019) | (2.7 - 8.5)/(28 - 27) | -5.8 |
| 145 (3/31/2020) | 8.5 (8/28/2019) | (145 - 8.5)/(29 - 27) | 68.25 |
| 40.4 (6/10/2020) | 8.5 (8/28/2019) | (40.4 - 8.5)/(30 - 27) | 10.6333 |
| 8.4 (9/21/2020) | 8.5 (8/28/2019) | (8.4 - 8.5)/(31 - 27) | -0.025 |
| 5.4 (12/17/2020) | 8.5 (8/28/2019) | (5.4 - 8.5)/(32 - 27) | -0.62 |
| 19.8 (3/18/2021) | 8.5 (8/28/2019) | (19.8 - 8.5)/(33 - 27) | 1.88333 |
| 6.27 (5/5/2021) | 8.5 (8/28/2019) | (6.27 - 8.5)/(34 - 27) | -0.318571 |
| 3 (9/2/2021) | 8.5 (8/28/2019) | (3 - 8.5)/(35 - 27) | -0.6875 |
| 2.6 (11/23/2021) | 8.5 (8/28/2019) | (2.6 - 8.5)/(36 - 27) | -0.655556 |
| 4.4 (1/10/2022) | 8.5 (8/28/2019) | (4.4 - 8.5)/(37 - 27) | -0.41 |
| 2.9 (4/7/2022) | 8.5 (8/28/2019) | (2.9 - 8.5)/(38 - 27) | -0.509091 |

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|---|---|---|---|
| 6.5 (8/3/2022) | 8.5 (8/28/2019) | (6.5 - 8.5)/(39 - 27) | -0.166667 |
| 2.5 (11/16/2022) | 8.5 (8/28/2019) | (2.5 - 8.5)/(40 - 27) | -0.461538 |
| 4.3 (2/13/2023) | 8.5 (8/28/2019) | (4.3 - 8.5)/(41 - 27) | -0.3 |
| 4.4 (5/24/2023) | 8.5 (8/28/2019) | (4.4 - 8.5)/(42 - 27) | -0.273333 |
| 8.2 (8/7/2023) | 8.5 (8/28/2019) | (8.2 - 8.5)/(43 - 27) | -0.01875 |
| ND<2.5 U (12/12/2023) | 8.5 (8/28/2019) | (2.5 - 8.5)/(44 - 27) | -0.352941 |
| 9.6 (1/10/2024) | 8.5 (8/28/2019) | (9.6 - 8.5)/(45 - 27) | 0.0611111 |
| 7.67 (5/20/2024) | 8.5 (8/28/2019) | (7.67 - 8.5)/(46 - 27) | -0.0436842 |
| 10 (9/16/2024) | 8.5 (8/28/2019) | (10 - 8.5)/(47 - 27) | 0.075 |
| 9.9 (12/11/2024) | 8.5 (8/28/2019) | (9.9 - 8.5)/(48 - 27) | 0.0666667 |
| 4.5 (2/18/2025) | 8.5 (8/28/2019) | (4.5 - 8.5)/(49 - 27) | -0.181818 |
| | | | |
| 145 (3/31/2020) | 2.7 (10/28/2019) | (145 - 2.7)/(29 - 28) | 142.3 |
| 40.4 (6/10/2020) | 2.7 (10/28/2019) | (40.4 - 2.7)/(30 - 28) | 18.85 |
| 8.4 (9/21/2020) | 2.7 (10/28/2019) | (8.4 - 2.7)/(31 - 28) | 1.9 |
| 5.4 (12/17/2020) | 2.7 (10/28/2019) | (5.4 - 2.7)/(32 - 28) | 0.675 |
| 19.8 (3/18/2021) | 2.7 (10/28/2019) | (19.8 - 2.7)/(33 - 28) | 3.42 |
| 6.27 (5/5/2021) | 2.7 (10/28/2019) | (6.27 - 2.7)/(34 - 28) | 0.595 |
| 3 (9/2/2021) | 2.7 (10/28/2019) | (3 - 2.7)/(35 - 28) | 0.0428571 |
| 2.6 (11/23/2021) | 2.7 (10/28/2019) | (2.6 - 2.7)/(36 - 28) | -0.0125 |
| 4.4 (1/10/2022) | 2.7 (10/28/2019) | (4.4 - 2.7)/(37 - 28) | 0.188889 |
| 2.9 (4/7/2022) | 2.7 (10/28/2019) | (2.9 - 2.7)/(38 - 28) | 0.02 |
| 6.5 (8/3/2022) | 2.7 (10/28/2019) | (6.5 - 2.7)/(39 - 28) | 0.345455 |
| 2.5 (11/16/2022) | 2.7 (10/28/2019) | (2.5 - 2.7)/(40 - 28) | -0.0166667 |
| 4.3 (2/13/2023) | 2.7 (10/28/2019) | (4.3 - 2.7)/(41 - 28) | 0.123077 |
| 4.4 (5/24/2023) | 2.7 (10/28/2019) | (4.4 - 2.7)/(42 - 28) | 0.121429 |
| 8.2 (8/7/2023) | 2.7 (10/28/2019) | (8.2 - 2.7)/(43 - 28) | 0.366667 |
| ND<2.5 U (12/12/2023) | 2.7 (10/28/2019) | (2.5 - 2.7)/(44 - 28) | -0.0125 |
| 9.6 (1/10/2024) | 2.7 (10/28/2019) | (9.6 - 2.7)/(45 - 28) | 0.405882 |
| 7.67 (5/20/2024) | 2.7 (10/28/2019) | (7.67 - 2.7)/(46 - 28) | 0.276111 |
| 10 (9/16/2024) | 2.7 (10/28/2019) | (10 - 2.7)/(47 - 28) | 0.384211 |
| 9.9 (12/11/2024) | 2.7 (10/28/2019) | (9.9 - 2.7)/(48 - 28) | 0.36 |
| 4.5 (2/18/2025) | 2.7 (10/28/2019) | (4.5 - 2.7)/(49 - 28) | 0.0857143 |
| | | | |
| 40.4 (6/10/2020) | 145 (3/31/2020) | (40.4 - 145)/(30 - 29) | -104.6 |
| 8.4 (9/21/2020) | 145 (3/31/2020) | (8.4 - 145)/(31 - 29) | -68.3 |
| 5.4 (12/17/2020) | 145 (3/31/2020) | (5.4 - 145)/(32 - 29) | -46.5333 |
| 19.8 (3/18/2021) | 145 (3/31/2020) | (19.8 - 145)/(33 - 29) | -31.3 |
| 6.27 (5/5/2021) | 145 (3/31/2020) | (6.27 - 145)/(34 - 29) | -27.746 |
| 3 (9/2/2021) | 145 (3/31/2020) | (3 - 145)/(35 - 29) | -23.6667 |
| 2.6 (11/23/2021) | 145 (3/31/2020) | (2.6 - 145)/(36 - 29) | -20.3429 |
| 4.4 (1/10/2022) | 145 (3/31/2020) | (4.4 - 145)/(37 - 29) | -17.575 |
| 2.9 (4/7/2022) | 145 (3/31/2020) | (2.9 - 145)/(38 - 29) | -15.7889 |
| 6.5 (8/3/2022) | 145 (3/31/2020) | (6.5 - 145)/(39 - 29) | -13.85 |
| 2.5 (11/16/2022) | 145 (3/31/2020) | (2.5 - 145)/(40 - 29) | -12.9545 |
| 4.3 (2/13/2023) | 145 (3/31/2020) | (4.3 - 145)/(41 - 29) | -11.725 |
| 4.4 (5/24/2023) | 145 (3/31/2020) | (4.4 - 145)/(42 - 29) | -10.8154 |
| 8.2 (8/7/2023) | 145 (3/31/2020) | (8.2 - 145)/(43 - 29) | -9.77143 |
| ND<2.5 U (12/12/2023) | 145 (3/31/2020) | (2.5 - 145)/(44 - 29) | -9.5 |
| 9.6 (1/10/2024) | 145 (3/31/2020) | (9.6 - 145)/(45 - 29) | -8.4625 |
| 7.67 (5/20/2024) | 145 (3/31/2020) | (7.67 - 145)/(46 - 29) | -8.07824 |
| 10 (9/16/2024) | 145 (3/31/2020) | (10 - 145)/(47 - 29) | -7.5 |
| 9.9 (12/11/2024) | 145 (3/31/2020) | (9.9 - 145)/(48 - 29) | -7.11053 |
| 4.5 (2/18/2025) | 145 (3/31/2020) | (4.5 - 145)/(49 - 29) | -7.025 |
| | | | |
| 8.4 (9/21/2020) | 40.4 (6/10/2020) | (8.4 - 40.4)/(31 - 30) | -32 |
| 5.4 (12/17/2020) | 40.4 (6/10/2020) | (5.4 - 40.4)/(32 - 30) | -17.5 |

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| 19.8 (3/18/2021) | 40.4 (6/10/2020) | (19.8 - 40.4)/(33 - 30) | -6.86667 |
| 6.27 (5/5/2021) | 40.4 (6/10/2020) | (6.27 - 40.4)/(34 - 30) | -8.5325 |
| 3 (9/2/2021) | 40.4 (6/10/2020) | (3 - 40.4)/(35 - 30) | -7.48 |
| 2.6 (11/23/2021) | 40.4 (6/10/2020) | (2.6 - 40.4)/(36 - 30) | -6.3 |
| 4.4 (1/10/2022) | 40.4 (6/10/2020) | (4.4 - 40.4)/(37 - 30) | -5.14286 |
| 2.9 (4/7/2022) | 40.4 (6/10/2020) | (2.9 - 40.4)/(38 - 30) | -4.6875 |
| 6.5 (8/3/2022) | 40.4 (6/10/2020) | (6.5 - 40.4)/(39 - 30) | -3.76667 |
| 2.5 (11/16/2022) | 40.4 (6/10/2020) | (2.5 - 40.4)/(40 - 30) | -3.79 |
| 4.3 (2/13/2023) | 40.4 (6/10/2020) | (4.3 - 40.4)/(41 - 30) | -3.28182 |
| 4.4 (5/24/2023) | 40.4 (6/10/2020) | (4.4 - 40.4)/(42 - 30) | -3 |
| 8.2 (8/7/2023) | 40.4 (6/10/2020) | (8.2 - 40.4)/(43 - 30) | -2.47692 |
| ND<2.5 U (12/12/2023) | 40.4 (6/10/2020) | (2.5 - 40.4)/(44 - 30) | -2.70714 |
| 9.6 (1/10/2024) | 40.4 (6/10/2020) | (9.6 - 40.4)/(45 - 30) | -2.05333 |
| 7.67 (5/20/2024) | 40.4 (6/10/2020) | (7.67 - 40.4)/(46 - 30) | -2.04562 |
| 10 (9/16/2024) | 40.4 (6/10/2020) | (10 - 40.4)/(47 - 30) | -1.78824 |
| 9.9 (12/11/2024) | 40.4 (6/10/2020) | (9.9 - 40.4)/(48 - 30) | -1.69444 |
| 4.5 (2/18/2025) | 40.4 (6/10/2020) | (4.5 - 40.4)/(49 - 30) | -1.88947 |
| | | | |
| 5.4 (12/17/2020) | 8.4 (9/21/2020) | (5.4 - 8.4)/(32 - 31) | -3 |
| 19.8 (3/18/2021) | 8.4 (9/21/2020) | (19.8 - 8.4)/(33 - 31) | 5.7 |
| 6.27 (5/5/2021) | 8.4 (9/21/2020) | (6.27 - 8.4)/(34 - 31) | -0.71 |
| 3 (9/2/2021) | 8.4 (9/21/2020) | (3 - 8.4)/(35 - 31) | -1.35 |
| 2.6 (11/23/2021) | 8.4 (9/21/2020) | (2.6 - 8.4)/(36 - 31) | -1.16 |
| 4.4 (1/10/2022) | 8.4 (9/21/2020) | (4.4 - 8.4)/(37 - 31) | -0.666667 |
| 2.9 (4/7/2022) | 8.4 (9/21/2020) | (2.9 - 8.4)/(38 - 31) | -0.785714 |
| 6.5 (8/3/2022) | 8.4 (9/21/2020) | (6.5 - 8.4)/(39 - 31) | -0.2375 |
| 2.5 (11/16/2022) | 8.4 (9/21/2020) | (2.5 - 8.4)/(40 - 31) | -0.655556 |
| 4.3 (2/13/2023) | 8.4 (9/21/2020) | (4.3 - 8.4)/(41 - 31) | -0.41 |
| 4.4 (5/24/2023) | 8.4 (9/21/2020) | (4.4 - 8.4)/(42 - 31) | -0.363636 |
| 8.2 (8/7/2023) | 8.4 (9/21/2020) | (8.2 - 8.4)/(43 - 31) | -0.0166667 |
| ND<2.5 U (12/12/2023) | 8.4 (9/21/2020) | (2.5 - 8.4)/(44 - 31) | -0.453846 |
| 9.6 (1/10/2024) | 8.4 (9/21/2020) | (9.6 - 8.4)/(45 - 31) | 0.0857143 |
| 7.67 (5/20/2024) | 8.4 (9/21/2020) | (7.67 - 8.4)/(46 - 31) | -0.0486667 |
| 10 (9/16/2024) | 8.4 (9/21/2020) | (10 - 8.4)/(47 - 31) | 0.1 |
| 9.9 (12/11/2024) | 8.4 (9/21/2020) | (9.9 - 8.4)/(48 - 31) | 0.0882353 |
| 4.5 (2/18/2025) | 8.4 (9/21/2020) | (4.5 - 8.4)/(49 - 31) | -0.216667 |
| | | | |
| 19.8 (3/18/2021) | 5.4 (12/17/2020) | (19.8 - 5.4)/(33 - 32) | 14.4 |
| 6.27 (5/5/2021) | 5.4 (12/17/2020) | (6.27 - 5.4)/(34 - 32) | 0.435 |
| 3 (9/2/2021) | 5.4 (12/17/2020) | (3 - 5.4)/(35 - 32) | -0.8 |
| 2.6 (11/23/2021) | 5.4 (12/17/2020) | (2.6 - 5.4)/(36 - 32) | -0.7 |
| 4.4 (1/10/2022) | 5.4 (12/17/2020) | (4.4 - 5.4)/(37 - 32) | -0.2 |
| 2.9 (4/7/2022) | 5.4 (12/17/2020) | (2.9 - 5.4)/(38 - 32) | -0.416667 |
| 6.5 (8/3/2022) | 5.4 (12/17/2020) | (6.5 - 5.4)/(39 - 32) | 0.157143 |
| 2.5 (11/16/2022) | 5.4 (12/17/2020) | (2.5 - 5.4)/(40 - 32) | -0.3625 |
| 4.3 (2/13/2023) | 5.4 (12/17/2020) | (4.3 - 5.4)/(41 - 32) | -0.122222 |
| 4.4 (5/24/2023) | 5.4 (12/17/2020) | (4.4 - 5.4)/(42 - 32) | -0.1 |
| 8.2 (8/7/2023) | 5.4 (12/17/2020) | (8.2 - 5.4)/(43 - 32) | 0.254545 |
| ND<2.5 U (12/12/2023) | 5.4 (12/17/2020) | (2.5 - 5.4)/(44 - 32) | -0.241667 |
| 9.6 (1/10/2024) | 5.4 (12/17/2020) | (9.6 - 5.4)/(45 - 32) | 0.323077 |
| 7.67 (5/20/2024) | 5.4 (12/17/2020) | (7.67 - 5.4)/(46 - 32) | 0.162143 |
| 10 (9/16/2024) | 5.4 (12/17/2020) | (10 - 5.4)/(47 - 32) | 0.306667 |
| 9.9 (12/11/2024) | 5.4 (12/17/2020) | (9.9 - 5.4)/(48 - 32) | 0.28125 |
| 4.5 (2/18/2025) | 5.4 (12/17/2020) | (4.5 - 5.4)/(49 - 32) | -0.0529412 |
| | | | |
| 6.27 (5/5/2021) | 19.8 (3/18/2021) | (6.27 - 19.8)/(34 - 33) | -13.53 |
| 3 (9/2/2021) | 19.8 (3/18/2021) | (3 - 19.8)/(35 - 33) | -8.4 |

| | | | |
|---|---|---|---|
| 2.6 (11/23/2021) | 19.8 (3/18/2021) | (2.6 - 19.8)/(36 - 33) | -5.73333 |
| 4.4 (1/10/2022) | 19.8 (3/18/2021) | (4.4 - 19.8)/(37 - 33) | -3.85 |
| 2.9 (4/7/2022) | 19.8 (3/18/2021) | (2.9 - 19.8)/(38 - 33) | -3.38 |
| 6.5 (8/3/2022) | 19.8 (3/18/2021) | (6.5 - 19.8)/(39 - 33) | -2.21667 |
| 2.5 (11/16/2022) | 19.8 (3/18/2021) | (2.5 - 19.8)/(40 - 33) | -2.47143 |
| 4.3 (2/13/2023) | 19.8 (3/18/2021) | (4.3 - 19.8)/(41 - 33) | -1.9375 |
| 4.4 (5/24/2023) | 19.8 (3/18/2021) | (4.4 - 19.8)/(42 - 33) | -1.71111 |
| 8.2 (8/7/2023) | 19.8 (3/18/2021) | (8.2 - 19.8)/(43 - 33) | -1.16 |
| ND<2.5 U (12/12/2023) | 19.8 (3/18/2021) | (2.5 - 19.8)/(44 - 33) | -1.57273 |
| 9.6 (1/10/2024) | 19.8 (3/18/2021) | (9.6 - 19.8)/(45 - 33) | -0.85 |
| 7.67 (5/20/2024) | 19.8 (3/18/2021) | (7.67 - 19.8)/(46 - 33) | -0.933077 |
| 10 (9/16/2024) | 19.8 (3/18/2021) | (10 - 19.8)/(47 - 33) | -0.7 |
| 9.9 (12/11/2024) | 19.8 (3/18/2021) | (9.9 - 19.8)/(48 - 33) | -0.66 |
| 4.5 (2/18/2025) | 19.8 (3/18/2021) | (4.5 - 19.8)/(49 - 33) | -0.95625 |
| | | | |
| 3 (9/2/2021) | 6.27 (5/5/2021) | (3 - 6.27)/(35 - 34) | -3.27 |
| 2.6 (11/23/2021) | 6.27 (5/5/2021) | (2.6 - 6.27)/(36 - 34) | -1.835 |
| 4.4 (1/10/2022) | 6.27 (5/5/2021) | (4.4 - 6.27)/(37 - 34) | -0.623333 |
| 2.9 (4/7/2022) | 6.27 (5/5/2021) | (2.9 - 6.27)/(38 - 34) | -0.8425 |
| 6.5 (8/3/2022) | 6.27 (5/5/2021) | (6.5 - 6.27)/(39 - 34) | 0.046 |
| 2.5 (11/16/2022) | 6.27 (5/5/2021) | (2.5 - 6.27)/(40 - 34) | -0.628333 |
| 4.3 (2/13/2023) | 6.27 (5/5/2021) | (4.3 - 6.27)/(41 - 34) | -0.281429 |
| 4.4 (5/24/2023) | 6.27 (5/5/2021) | (4.4 - 6.27)/(42 - 34) | -0.23375 |
| 8.2 (8/7/2023) | 6.27 (5/5/2021) | (8.2 - 6.27)/(43 - 34) | 0.214444 |
| ND<2.5 U (12/12/2023) | 6.27 (5/5/2021) | (2.5 - 6.27)/(44 - 34) | -0.377 |
| 9.6 (1/10/2024) | 6.27 (5/5/2021) | (9.6 - 6.27)/(45 - 34) | 0.302727 |
| 7.67 (5/20/2024) | 6.27 (5/5/2021) | (7.67 - 6.27)/(46 - 34) | 0.116667 |
| 10 (9/16/2024) | 6.27 (5/5/2021) | (10 - 6.27)/(47 - 34) | 0.286923 |
| 9.9 (12/11/2024) | 6.27 (5/5/2021) | (9.9 - 6.27)/(48 - 34) | 0.259286 |
| 4.5 (2/18/2025) | 6.27 (5/5/2021) | (4.5 - 6.27)/(49 - 34) | -0.118 |
| | | | |
| 2.6 (11/23/2021) | 3 (9/2/2021) | (2.6 - 3)/(36 - 35) | -0.4 |
| 4.4 (1/10/2022) | 3 (9/2/2021) | (4.4 - 3)/(37 - 35) | 0.7 |
| 2.9 (4/7/2022) | 3 (9/2/2021) | (2.9 - 3)/(38 - 35) | -0.0333333 |
| 6.5 (8/3/2022) | 3 (9/2/2021) | (6.5 - 3)/(39 - 35) | 0.875 |
| 2.5 (11/16/2022) | 3 (9/2/2021) | (2.5 - 3)/(40 - 35) | -0.1 |
| 4.3 (2/13/2023) | 3 (9/2/2021) | (4.3 - 3)/(41 - 35) | 0.216667 |
| 4.4 (5/24/2023) | 3 (9/2/2021) | (4.4 - 3)/(42 - 35) | 0.2 |
| 8.2 (8/7/2023) | 3 (9/2/2021) | (8.2 - 3)/(43 - 35) | 0.65 |
| ND<2.5 U (12/12/2023) | 3 (9/2/2021) | (2.5 - 3)/(44 - 35) | -0.0555556 |
| 9.6 (1/10/2024) | 3 (9/2/2021) | (9.6 - 3)/(45 - 35) | 0.66 |
| 7.67 (5/20/2024) | 3 (9/2/2021) | (7.67 - 3)/(46 - 35) | 0.424545 |
| 10 (9/16/2024) | 3 (9/2/2021) | (10 - 3)/(47 - 35) | 0.583333 |
| 9.9 (12/11/2024) | 3 (9/2/2021) | (9.9 - 3)/(48 - 35) | 0.530769 |
| 4.5 (2/18/2025) | 3 (9/2/2021) | (4.5 - 3)/(49 - 35) | 0.107143 |
| | | | |
| 4.4 (1/10/2022) | 2.6 (11/23/2021) | (4.4 - 2.6)/(37 - 36) | 1.8 |
| 2.9 (4/7/2022) | 2.6 (11/23/2021) | (2.9 - 2.6)/(38 - 36) | 0.15 |
| 6.5 (8/3/2022) | 2.6 (11/23/2021) | (6.5 - 2.6)/(39 - 36) | 1.3 |
| 2.5 (11/16/2022) | 2.6 (11/23/2021) | (2.5 - 2.6)/(40 - 36) | -0.025 |
| 4.3 (2/13/2023) | 2.6 (11/23/2021) | (4.3 - 2.6)/(41 - 36) | 0.34 |
| 4.4 (5/24/2023) | 2.6 (11/23/2021) | (4.4 - 2.6)/(42 - 36) | 0.3 |
| 8.2 (8/7/2023) | 2.6 (11/23/2021) | (8.2 - 2.6)/(43 - 36) | 0.8 |
| ND<2.5 U (12/12/2023) | 2.6 (11/23/2021) | (2.5 - 2.6)/(44 - 36) | -0.0125 |
| 9.6 (1/10/2024) | 2.6 (11/23/2021) | (9.6 - 2.6)/(45 - 36) | 0.777778 |
| 7.67 (5/20/2024) | 2.6 (11/23/2021) | (7.67 - 2.6)/(46 - 36) | 0.507 |
| 10 (9/16/2024) | 2.6 (11/23/2021) | (10 - 2.6)/(47 - 36) | 0.672727 |

| | | | |
|---|---|---|---|
| 9.9 (12/11/2024) | 2.6 (11/23/2021) | (9.9 - 2.6)/(48 - 36) | 0.608333 |
| 4.5 (2/18/2025) | 2.6 (11/23/2021) | (4.5 - 2.6)/(49 - 36) | 0.146154 |
| | | | |
| 2.9 (4/7/2022) | 4.4 (1/10/2022) | (2.9 - 4.4)/(38 - 37) | -1.5 |
| 6.5 (8/3/2022) | 4.4 (1/10/2022) | (6.5 - 4.4)/(39 - 37) | 1.05 |
| 2.5 (11/16/2022) | 4.4 (1/10/2022) | (2.5 - 4.4)/(40 - 37) | -0.633333 |
| 4.3 (2/13/2023) | 4.4 (1/10/2022) | (4.3 - 4.4)/(41 - 37) | -0.025 |
| 4.4 (5/24/2023) | 4.4 (1/10/2022) | (4.4 - 4.4)/(42 - 37) | 0 |
| 8.2 (8/7/2023) | 4.4 (1/10/2022) | (8.2 - 4.4)/(43 - 37) | 0.633333 |
| ND<2.5 U (12/12/2023) | 4.4 (1/10/2022) | (2.5 - 4.4)/(44 - 37) | -0.271429 |
| 9.6 (1/10/2024) | 4.4 (1/10/2022) | (9.6 - 4.4)/(45 - 37) | 0.65 |
| 7.67 (5/20/2024) | 4.4 (1/10/2022) | (7.67 - 4.4)/(46 - 37) | 0.363333 |
| 10 (9/16/2024) | 4.4 (1/10/2022) | (10 - 4.4)/(47 - 37) | 0.56 |
| 9.9 (12/11/2024) | 4.4 (1/10/2022) | (9.9 - 4.4)/(48 - 37) | 0.5 |
| 4.5 (2/18/2025) | 4.4 (1/10/2022) | (4.5 - 4.4)/(49 - 37) | 0.00833333 |
| | | | |
| 6.5 (8/3/2022) | 2.9 (4/7/2022) | (6.5 - 2.9)/(39 - 38) | 3.6 |
| 2.5 (11/16/2022) | 2.9 (4/7/2022) | (2.5 - 2.9)/(40 - 38) | -0.2 |
| 4.3 (2/13/2023) | 2.9 (4/7/2022) | (4.3 - 2.9)/(41 - 38) | 0.466667 |
| 4.4 (5/24/2023) | 2.9 (4/7/2022) | (4.4 - 2.9)/(42 - 38) | 0.375 |
| 8.2 (8/7/2023) | 2.9 (4/7/2022) | (8.2 - 2.9)/(43 - 38) | 1.06 |
| ND<2.5 U (12/12/2023) | 2.9 (4/7/2022) | (2.5 - 2.9)/(44 - 38) | -0.0666667 |
| 9.6 (1/10/2024) | 2.9 (4/7/2022) | (9.6 - 2.9)/(45 - 38) | 0.957143 |
| 7.67 (5/20/2024) | 2.9 (4/7/2022) | (7.67 - 2.9)/(46 - 38) | 0.59625 |
| 10 (9/16/2024) | 2.9 (4/7/2022) | (10 - 2.9)/(47 - 38) | 0.788889 |
| 9.9 (12/11/2024) | 2.9 (4/7/2022) | (9.9 - 2.9)/(48 - 38) | 0.7 |
| 4.5 (2/18/2025) | 2.9 (4/7/2022) | (4.5 - 2.9)/(49 - 38) | 0.145455 |
| | | | |
| 2.5 (11/16/2022) | 6.5 (8/3/2022) | (2.5 - 6.5)/(40 - 39) | -4 |
| 4.3 (2/13/2023) | 6.5 (8/3/2022) | (4.3 - 6.5)/(41 - 39) | -1.1 |
| 4.4 (5/24/2023) | 6.5 (8/3/2022) | (4.4 - 6.5)/(42 - 39) | -0.7 |
| 8.2 (8/7/2023) | 6.5 (8/3/2022) | (8.2 - 6.5)/(43 - 39) | 0.425 |
| ND<2.5 U (12/12/2023) | 6.5 (8/3/2022) | (2.5 - 6.5)/(44 - 39) | -0.8 |
| 9.6 (1/10/2024) | 6.5 (8/3/2022) | (9.6 - 6.5)/(45 - 39) | 0.516667 |
| 7.67 (5/20/2024) | 6.5 (8/3/2022) | (7.67 - 6.5)/(46 - 39) | 0.167143 |
| 10 (9/16/2024) | 6.5 (8/3/2022) | (10 - 6.5)/(47 - 39) | 0.4375 |
| 9.9 (12/11/2024) | 6.5 (8/3/2022) | (9.9 - 6.5)/(48 - 39) | 0.377778 |
| 4.5 (2/18/2025) | 6.5 (8/3/2022) | (4.5 - 6.5)/(49 - 39) | -0.2 |
| | | | |
| 4.3 (2/13/2023) | 2.5 (11/16/2022) | (4.3 - 2.5)/(41 - 40) | 1.8 |
| 4.4 (5/24/2023) | 2.5 (11/16/2022) | (4.4 - 2.5)/(42 - 40) | 0.95 |
| 8.2 (8/7/2023) | 2.5 (11/16/2022) | (8.2 - 2.5)/(43 - 40) | 1.9 |
| ND<2.5 U (12/12/2023) | 2.5 (11/16/2022) | (2.5 - 2.5)/(44 - 40) | 0 |
| 9.6 (1/10/2024) | 2.5 (11/16/2022) | (9.6 - 2.5)/(45 - 40) | 1.42 |
| 7.67 (5/20/2024) | 2.5 (11/16/2022) | (7.67 - 2.5)/(46 - 40) | 0.861667 |
| 10 (9/16/2024) | 2.5 (11/16/2022) | (10 - 2.5)/(47 - 40) | 1.07143 |
| 9.9 (12/11/2024) | 2.5 (11/16/2022) | (9.9 - 2.5)/(48 - 40) | 0.925 |
| 4.5 (2/18/2025) | 2.5 (11/16/2022) | (4.5 - 2.5)/(49 - 40) | 0.222222 |
| | | | |
| 4.4 (5/24/2023) | 4.3 (2/13/2023) | (4.4 - 4.3)/(42 - 41) | 0.1 |
| 8.2 (8/7/2023) | 4.3 (2/13/2023) | (8.2 - 4.3)/(43 - 41) | 1.95 |
| ND<2.5 U (12/12/2023) | 4.3 (2/13/2023) | (2.5 - 4.3)/(44 - 41) | -0.6 |
| 9.6 (1/10/2024) | 4.3 (2/13/2023) | (9.6 - 4.3)/(45 - 41) | 1.325 |
| 7.67 (5/20/2024) | 4.3 (2/13/2023) | (7.67 - 4.3)/(46 - 41) | 0.674 |
| 10 (9/16/2024) | 4.3 (2/13/2023) | (10 - 4.3)/(47 - 41) | 0.95 |
| 9.9 (12/11/2024) | 4.3 (2/13/2023) | (9.9 - 4.3)/(48 - 41) | 0.8 |
| 4.5 (2/18/2025) | 4.3 (2/13/2023) | (4.5 - 4.3)/(49 - 41) | 0.025 |

| | | | |
|---|---|---|---|
| 8.2 (8/7/2023) | 4.4 (5/24/2023) | (8.2 - 4.4)/(43 - 42) | 3.8 |
| ND<2.5 U (12/12/2023) | 4.4 (5/24/2023) | (2.5 - 4.4)/(44 - 42) | -0.95 |
| 9.6 (1/10/2024) | 4.4 (5/24/2023) | (9.6 - 4.4)/(45 - 42) | 1.73333 |
| 7.67 (5/20/2024) | 4.4 (5/24/2023) | (7.67 - 4.4)/(46 - 42) | 0.8175 |
| 10 (9/16/2024) | 4.4 (5/24/2023) | (10 - 4.4)/(47 - 42) | 1.12 |
| 9.9 (12/11/2024) | 4.4 (5/24/2023) | (9.9 - 4.4)/(48 - 42) | 0.916667 |
| 4.5 (2/18/2025) | 4.4 (5/24/2023) | (4.5 - 4.4)/(49 - 42) | 0.0142857 |
| | | | |
| ND<2.5 U (12/12/2023) | 8.2 (8/7/2023) | (2.5 - 8.2)/(44 - 43) | -5.7 |
| 9.6 (1/10/2024) | 8.2 (8/7/2023) | (9.6 - 8.2)/(45 - 43) | 0.7 |
| 7.67 (5/20/2024) | 8.2 (8/7/2023) | (7.67 - 8.2)/(46 - 43) | -0.176667 |
| 10 (9/16/2024) | 8.2 (8/7/2023) | (10 - 8.2)/(47 - 43) | 0.45 |
| 9.9 (12/11/2024) | 8.2 (8/7/2023) | (9.9 - 8.2)/(48 - 43) | 0.34 |
| 4.5 (2/18/2025) | 8.2 (8/7/2023) | (4.5 - 8.2)/(49 - 43) | -0.616667 |
| | | | |
| 9.6 (1/10/2024) | ND<2.5 U (12/12/2023) | (9.6 - 2.5)/(45 - 44) | 7.1 |
| 7.67 (5/20/2024) | ND<2.5 U (12/12/2023) | (7.67 - 2.5)/(46 - 44) | 2.585 |
| 10 (9/16/2024) | ND<2.5 U (12/12/2023) | (10 - 2.5)/(47 - 44) | 2.5 |
| 9.9 (12/11/2024) | ND<2.5 U (12/12/2023) | (9.9 - 2.5)/(48 - 44) | 1.85 |
| 4.5 (2/18/2025) | ND<2.5 U (12/12/2023) | (4.5 - 2.5)/(49 - 44) | 0.4 |
| | | | |
| 7.67 (5/20/2024) | 9.6 (1/10/2024) | (7.67 - 9.6)/(46 - 45) | -1.93 |
| 10 (9/16/2024) | 9.6 (1/10/2024) | (10 - 9.6)/(47 - 45) | 0.2 |
| 9.9 (12/11/2024) | 9.6 (1/10/2024) | (9.9 - 9.6)/(48 - 45) | 0.1 |
| 4.5 (2/18/2025) | 9.6 (1/10/2024) | (4.5 - 9.6)/(49 - 45) | -1.275 |
| | | | |
| 10 (9/16/2024) | 7.67 (5/20/2024) | (10 - 7.67)/(47 - 46) | 2.33 |
| 9.9 (12/11/2024) | 7.67 (5/20/2024) | (9.9 - 7.67)/(48 - 46) | 1.115 |
| 4.5 (2/18/2025) | 7.67 (5/20/2024) | (4.5 - 7.67)/(49 - 46) | -1.05667 |
| | | | |
| 9.9 (12/11/2024) | 10 (9/16/2024) | (9.9 - 10)/(48 - 47) | -0.1 |
| 4.5 (2/18/2025) | 10 (9/16/2024) | (4.5 - 10)/(49 - 47) | -2.75 |
| | | | |
| 4.5 (2/18/2025) | 9.9 (12/11/2024) | (4.5 - 9.9)/(49 - 48) | -5.4 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -104.6 |
| 2 | -68.3 |
| 3 | -55.7 |
| 4 | -46.5333 |
| 5 | -38.9 |
| 6 | -32 |
| 7 | -31.3 |
| 8 | -30.05 |
| 9 | -27.746 |
| 10 | -26.65 |
| 11 | -23.6667 |
| 12 | -21.2 |
| 13 | -20.3429 |
| 14 | -18.5 |
| 15 | -18.0333 |
| 16 | -17.575 |

| | |
|---|---|
| 17 | -17.5 |
| 18 | -15.7889 |
| 19 | -15.2 |
| 20 | -13.85 |
| 21 | -13.53 |
| 22 | -12.9545 |
| 23 | -12.875 |
| 24 | -11.725 |
| 25 | -11.5 |
| 26 | -11.46 |
| 27 | -11.25 |
| 28 | -10.8154 |
| 29 | -10.2 |
| 30 | -9.9 |
| 31 | -9.77143 |
| 32 | -9.5 |
| 33 | -8.65 |
| 34 | -8.5325 |
| 35 | -8.4625 |
| 36 | -8.4 |
| 37 | -8.3 |
| 38 | -8.14286 |
| 39 | -8.07824 |
| 40 | -7.5 |
| 41 | -7.48 |
| 42 | -7.225 |
| 43 | -7.2 |
| 44 | -7.11053 |
| 45 | -7.025 |
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| 771 | 0.121212 |
| 772 | 0.121429 |
| 773 | 0.121613 |
| 774 | 0.123077 |
| 775 | 0.123333 |
| 776 | 0.125 |
| 777 | 0.12925 |
| 778 | 0.129412 |
| 779 | 0.134643 |
| 780 | 0.135294 |
| 781 | 0.1375 |
| 782 | 0.13913 |
| 783 | 0.14 |
| 784 | 0.141176 |
| 785 | 0.1425 |
| 786 | 0.145 |
| 787 | 0.145455 |
| 788 | 0.146154 |
| 789 | 0.146154 |
| 790 | 0.146667 |
| 791 | 0.147826 |
| 792 | 0.15 |
| 793 | 0.15 |
| 794 | 0.15 |
| 795 | 0.15 |
| 796 | 0.152632 |
| 797 | 0.153182 |
| 798 | 0.154054 |
| 799 | 0.156538 |
| 800 | 0.157143 |
| 801 | 0.16 |
| 802 | 0.162143 |
| 803 | 0.1625 |
| 804 | 0.164444 |
| 805 | 0.167143 |
| 806 | 0.168421 |
| 807 | 0.169048 |
| 808 | 0.17 |
| 809 | 0.170455 |
| 810 | 0.172333 |
| 811 | 0.172727 |
| 812 | 0.173913 |
| 813 | 0.175 |
| 814 | 0.175 |

| | |
|---|---|
| 815 | 0.17619 |
| 816 | 0.177778 |
| 817 | 0.177778 |
| 818 | 0.18125 |
| 819 | 0.181818 |
| 820 | 0.182051 |
| 821 | 0.182927 |
| 822 | 0.188889 |
| 823 | 0.19 |
| 824 | 0.190714 |
| 825 | 0.190909 |
| 826 | 0.192308 |
| 827 | 0.194737 |
| 828 | 0.195238 |
| 829 | 0.197 |
| 830 | 0.2 |
| 831 | 0.2 |
| 832 | 0.2 |
| 833 | 0.205263 |
| 834 | 0.207143 |
| 835 | 0.209444 |
| 836 | 0.210714 |
| 837 | 0.211111 |
| 838 | 0.214286 |
| 839 | 0.214444 |
| 840 | 0.216667 |
| 841 | 0.22 |
| 842 | 0.221053 |
| 843 | 0.222222 |
| 844 | 0.225 |
| 845 | 0.225 |
| 846 | 0.23125 |
| 847 | 0.233333 |
| 848 | 0.233333 |
| 849 | 0.236 |
| 850 | 0.237037 |
| 851 | 0.24 |
| 852 | 0.241935 |
| 853 | 0.244828 |
| 854 | 0.247826 |
| 855 | 0.25 |
| 856 | 0.252381 |
| 857 | 0.254545 |
| 858 | 0.259286 |
| 859 | 0.275 |
| 860 | 0.275 |
| 861 | 0.276111 |
| 862 | 0.276471 |
| 863 | 0.28 |
| 864 | 0.28125 |
| 865 | 0.28125 |
| 866 | 0.281818 |
| 867 | 0.283333 |
| 868 | 0.283333 |
| 869 | 0.283333 |
| 870 | 0.285714 |
| 871 | 0.286923 |

| | |
|---|---|
| 872 | 0.3 |
| 873 | 0.3 |
| 874 | 0.3 |
| 875 | 0.302727 |
| 876 | 0.306667 |
| 877 | 0.31 |
| 878 | 0.314286 |
| 879 | 0.316667 |
| 880 | 0.318182 |
| 881 | 0.318182 |
| 882 | 0.323077 |
| 883 | 0.333333 |
| 884 | 0.34 |
| 885 | 0.34 |
| 886 | 0.34 |
| 887 | 0.345455 |
| 888 | 0.36 |
| 889 | 0.36 |
| 890 | 0.363333 |
| 891 | 0.365517 |
| 892 | 0.366667 |
| 893 | 0.366667 |
| 894 | 0.375 |
| 895 | 0.377778 |
| 896 | 0.38 |
| 897 | 0.383333 |
| 898 | 0.384211 |
| 899 | 0.393333 |
| 900 | 0.394444 |
| 901 | 0.4 |
| 902 | 0.405882 |
| 903 | 0.414286 |
| 904 | 0.424 |
| 905 | 0.424545 |
| 906 | 0.425 |
| 907 | 0.433333 |
| 908 | 0.435 |
| 909 | 0.436364 |
| 910 | 0.4375 |
| 911 | 0.4375 |
| 912 | 0.45 |
| 913 | 0.466667 |
| 914 | 0.466667 |
| 915 | 0.471875 |
| 916 | 0.477419 |
| 917 | 0.478571 |
| 918 | 0.5 |
| 919 | 0.5 |
| 920 | 0.5 |
| 921 | 0.507 |
| 922 | 0.5125 |
| 923 | 0.516667 |
| 924 | 0.526923 |
| 925 | 0.527778 |
| 926 | 0.530769 |
| 927 | 0.542857 |
| 928 | 0.545455 |

| | |
|---|---|
| 929 | 0.56 |
| 930 | 0.56 |
| 931 | 0.571429 |
| 932 | 0.576667 |
| 933 | 0.583333 |
| 934 | 0.585 |
| 935 | 0.585714 |
| 936 | 0.586957 |
| 937 | 0.592308 |
| 938 | 0.592308 |
| 939 | 0.595 |
| 940 | 0.59625 |
| 941 | 0.6 |
| 942 | 0.6 |
| 943 | 0.608333 |
| 944 | 0.609091 |
| 945 | 0.62 |
| 946 | 0.633333 |
| 947 | 0.640741 |
| 948 | 0.642857 |
| 949 | 0.65 |
| 950 | 0.65 |
| 951 | 0.66 |
| 952 | 0.6625 |
| 953 | 0.666667 |
| 954 | 0.672727 |
| 955 | 0.674 |
| 956 | 0.675 |
| 957 | 0.678571 |
| 958 | 0.685 |
| 959 | 0.7 |
| 960 | 0.7 |
| 961 | 0.7 |
| 962 | 0.7 |
| 963 | 0.7 |
| 964 | 0.726316 |
| 965 | 0.75 |
| 966 | 0.771429 |
| 967 | 0.777778 |
| 968 | 0.7875 |
| 969 | 0.788889 |
| 970 | 0.8 |
| 971 | 0.8 |
| 972 | 0.8 |
| 973 | 0.8 |
| 974 | 0.8175 |
| 975 | 0.82 |
| 976 | 0.825 |
| 977 | 0.84 |
| 978 | 0.85 |
| 979 | 0.852632 |
| 980 | 0.857143 |
| 981 | 0.857143 |
| 982 | 0.861667 |
| 983 | 0.875 |
| 984 | 0.9 |
| 985 | 0.9 |

| | |
|---|---|
| 986 | 0.916667 |
| 987 | 0.925 |
| 988 | 0.95 |
| 989 | 0.95 |
| 990 | 0.95 |
| 991 | 0.95 |
| 992 | 0.957143 |
| 993 | 0.966667 |
| 994 | 1.0125 |
| 995 | 1.01765 |
| 996 | 1.03333 |
| 997 | 1.04 |
| 998 | 1.05 |
| 999 | 1.056 |
| 1000 | 1.06 |
| 1001 | 1.06667 |
| 1002 | 1.07143 |
| 1003 | 1.1 |
| 1004 | 1.115 |
| 1005 | 1.11667 |
| 1006 | 1.12 |
| 1007 | 1.13333 |
| 1008 | 1.14 |
| 1009 | 1.16471 |
| 1010 | 1.17778 |
| 1011 | 1.2 |
| 1012 | 1.23103 |
| 1013 | 1.24615 |
| 1014 | 1.26429 |
| 1015 | 1.28 |
| 1016 | 1.3 |
| 1017 | 1.325 |
| 1018 | 1.32857 |
| 1019 | 1.34 |
| 1020 | 1.38 |
| 1021 | 1.39375 |
| 1022 | 1.4 |
| 1023 | 1.4 |
| 1024 | 1.4037 |
| 1025 | 1.41667 |
| 1026 | 1.41818 |
| 1027 | 1.41818 |
| 1028 | 1.41818 |
| 1029 | 1.42 |
| 1030 | 1.4913 |
| 1031 | 1.5 |
| 1032 | 1.525 |
| 1033 | 1.55833 |
| 1034 | 1.57917 |
| 1035 | 1.5875 |
| 1036 | 1.6375 |
| 1037 | 1.69091 |
| 1038 | 1.705 |
| 1039 | 1.71538 |
| 1040 | 1.72222 |
| 1041 | 1.73333 |
| 1042 | 1.7625 |

| | |
|---|---|
| 1043 | 1.77895 |
| 1044 | 1.8 |
| 1045 | 1.8 |
| 1046 | 1.8 |
| 1047 | 1.83 |
| 1048 | 1.84667 |
| 1049 | 1.85 |
| 1050 | 1.88333 |
| 1051 | 1.9 |
| 1052 | 1.9 |
| 1053 | 1.9 |
| 1054 | 1.9 |
| 1055 | 1.95 |
| 1056 | 1.98571 |
| 1057 | 2.05556 |
| 1058 | 2.1 |
| 1059 | 2.15 |
| 1060 | 2.275 |
| 1061 | 2.3 |
| 1062 | 2.31111 |
| 1063 | 2.325 |
| 1064 | 2.33 |
| 1065 | 2.4 |
| 1066 | 2.4 |
| 1067 | 2.45 |
| 1068 | 2.5 |
| 1069 | 2.51364 |
| 1070 | 2.55556 |
| 1071 | 2.585 |
| 1072 | 2.6 |
| 1073 | 2.61905 |
| 1074 | 2.67368 |
| 1075 | 2.7 |
| 1076 | 2.70714 |
| 1077 | 2.7125 |
| 1078 | 2.78333 |
| 1079 | 2.83333 |
| 1080 | 2.875 |
| 1081 | 3 |
| 1082 | 3.025 |
| 1083 | 3.1 |
| 1084 | 3.33636 |
| 1085 | 3.35 |
| 1086 | 3.36875 |
| 1087 | 3.38235 |
| 1088 | 3.38667 |
| 1089 | 3.42 |
| 1090 | 3.44 |
| 1091 | 3.46667 |
| 1092 | 3.47059 |
| 1093 | 3.5 |
| 1094 | 3.525 |
| 1095 | 3.57778 |
| 1096 | 3.6 |
| 1097 | 3.6 |
| 1098 | 3.66875 |
| 1099 | 3.68 |

| | |
|---|---|
| 1100 | 3.76 |
| 1101 | 3.8 |
| 1102 | 3.82308 |
| 1103 | 3.89286 |
| 1104 | 4.08 |
| 1105 | 4.1 |
| 1106 | 4.13077 |
| 1107 | 4.45 |
| 1108 | 4.6 |
| 1109 | 4.8 |
| 1110 | 5.01071 |
| 1111 | 5.1 |
| 1112 | 5.18519 |
| 1113 | 5.19 |
| 1114 | 5.23636 |
| 1115 | 5.432 |
| 1116 | 5.45 |
| 1117 | 5.45833 |
| 1118 | 5.48077 |
| 1119 | 5.7 |
| 1120 | 5.75 |
| 1121 | 5.85556 |
| 1122 | 5.9125 |
| 1123 | 6 |
| 1124 | 6.01667 |
| 1125 | 6.19565 |
| 1126 | 6.31364 |
| 1127 | 6.46667 |
| 1128 | 6.7 |
| 1129 | 6.7 |
| 1130 | 6.7 |
| 1131 | 6.7 |
| 1132 | 6.73333 |
| 1133 | 6.74 |
| 1134 | 7.1 |
| 1135 | 7.15882 |
| 1136 | 7.175 |
| 1137 | 7.3 |
| 1138 | 7.39091 |
| 1139 | 7.43333 |
| 1140 | 7.55 |
| 1141 | 7.68889 |
| 1142 | 7.8 |
| 1143 | 8.15714 |
| 1144 | 8.21429 |
| 1145 | 8.46667 |
| 1146 | 8.5 |
| 1147 | 8.55625 |
| 1148 | 8.625 |
| 1149 | 8.8 |
| 1150 | 9.26667 |
| 1151 | 9.45 |
| 1152 | 10.5 |
| 1153 | 10.6333 |
| 1154 | 10.9615 |
| 1155 | 11.12 |
| 1156 | 11.3167 |

| | |
|---|---|
| 1157 | 12.02 |
| 1158 | 14.1667 |
| 1159 | 14.4 |
| 1160 | 14.425 |
| 1161 | 15.7111 |
| 1162 | 16.7 |
| 1163 | 17 |
| 1164 | 17.1 |
| 1165 | 18.0429 |
| 1166 | 18.8 |
| 1167 | 18.85 |
| 1168 | 25.9 |
| 1169 | 28.14 |
| 1170 | 30.6 |
| 1171 | 34.575 |
| 1172 | 41.3 |
| 1173 | 46.3667 |
| 1174 | 54.5 |
| 1175 | 68.25 |
| 1176 | 142.3 |

Sen's Estimator (Median Q) is -0.025

| Tied Group | Value | Members |
|---|---|---|
| 1 | 2.5 | 5 |
| 2 | 9.2 | 3 |
| 3 | 8.2 | 2 |
| 4 | 4.3 | 2 |
| 5 | 4.4 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |

| | |
|---|---|
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 420
B = 0
C = 66
D = 0
E = 32
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13435.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.656
M1 = (1176 - 190.656)/2.0 = 492.672
M2 = (1176 + 190.656)/2.0 + 1 = 684.328
Lower limit is -0.105882 = Q(493)
Upper limit is 0.046 = Q(684)
-0.105882 < 0 < 0.046 indicating no trend in data.

## Sen's Slope Analysis

### Parameter: Total Suspended Solids

### Location: SS 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 21 (5/8/2013) | 7.2 (3/12/2013) | (21 - 7.2)/(2 - 1) | 13.8 |
| 15 (9/23/2013) | 7.2 (3/12/2013) | (15 - 7.2)/(3 - 1) | 3.9 |
| 13 (12/10/2013) | 7.2 (3/12/2013) | (13 - 7.2)/(4 - 1) | 1.93333 |
| 12 (2/6/2014) | 7.2 (3/12/2013) | (12 - 7.2)/(5 - 1) | 1.2 |
| 11 (6/26/2014) | 7.2 (3/12/2013) | (11 - 7.2)/(6 - 1) | 0.76 |
| 11 (9/30/2014) | 7.2 (3/12/2013) | (11 - 7.2)/(7 - 1) | 0.633333 |
| 9.6 (11/19/2014) | 7.2 (3/12/2013) | (9.6 - 7.2)/(8 - 1) | 0.342857 |
| 11 (3/23/2015) | 7.2 (3/12/2013) | (11 - 7.2)/(9 - 1) | 0.475 |
| 13 (4/22/2015) | 7.2 (3/12/2013) | (13 - 7.2)/(10 - 1) | 0.644444 |
| 9.9 (9/30/2015) | 7.2 (3/12/2013) | (9.9 - 7.2)/(11 - 1) | 0.27 |
| 11 (11/19/2015) | 7.2 (3/12/2013) | (11 - 7.2)/(12 - 1) | 0.345455 |
| 9.5 (3/15/2016) | 7.2 (3/12/2013) | (9.5 - 7.2)/(13 - 1) | 0.191667 |
| 13.2 (6/29/2016) | 7.2 (3/12/2013) | (13.2 - 7.2)/(14 - 1) | 0.461538 |
| 12.6 (8/9/2016) | 7.2 (3/12/2013) | (12.6 - 7.2)/(15 - 1) | 0.385714 |
| 8 (12/7/2016) | 7.2 (3/12/2013) | (8 - 7.2)/(16 - 1) | 0.0533333 |
| 16 (3/2/2017) | 7.2 (3/12/2013) | (16 - 7.2)/(17 - 1) | 0.55 |
| 12 (7/5/2017) | 7.2 (3/12/2013) | (12 - 7.2)/(18 - 1) | 0.282353 |
| 15.1 (8/16/2017) | 7.2 (3/12/2013) | (15.1 - 7.2)/(19 - 1) | 0.438889 |
| 11.8 (10/25/2017) | 7.2 (3/12/2013) | (11.8 - 7.2)/(20 - 1) | 0.242105 |
| 8.33 (3/28/2018) | 7.2 (3/12/2013) | (8.33 - 7.2)/(21 - 1) | 0.0565 |
| 13.3 (6/29/2018) | 7.2 (3/12/2013) | (13.3 - 7.2)/(22 - 1) | 0.290476 |
| 12.8 (8/2/2018) | 7.2 (3/12/2013) | (12.8 - 7.2)/(23 - 1) | 0.254545 |
| 16.7 (12/10/2018) | 7.2 (3/12/2013) | (16.7 - 7.2)/(24 - 1) | 0.413043 |
| 11.7 (4/15/2019) | 7.2 (3/12/2013) | (11.7 - 7.2)/(25 - 1) | 0.1875 |
| 11 (6/12/2019) | 7.2 (3/12/2013) | (11 - 7.2)/(26 - 1) | 0.152 |
| 7.1 (8/27/2019) | 7.2 (3/12/2013) | (7.1 - 7.2)/(27 - 1) | -0.00384615 |
| 10.4 (10/29/2019) | 7.2 (3/12/2013) | (10.4 - 7.2)/(28 - 1) | 0.118519 |
| 10.6 (3/30/2020) | 7.2 (3/12/2013) | (10.6 - 7.2)/(29 - 1) | 0.121429 |
| 9.67 (6/16/2020) | 7.2 (3/12/2013) | (9.67 - 7.2)/(30 - 1) | 0.0851724 |
| 11 (9/21/2020) | 7.2 (3/12/2013) | (11 - 7.2)/(31 - 1) | 0.126667 |
| 10.1 (12/17/2020) | 7.2 (3/12/2013) | (10.1 - 7.2)/(32 - 1) | 0.0935484 |
| 14.6 (3/18/2021) | 7.2 (3/12/2013) | (14.6 - 7.2)/(33 - 1) | 0.23125 |
| 32.2 (5/5/2021) | 7.2 (3/12/2013) | (32.2 - 7.2)/(34 - 1) | 0.757576 |
| 14.4 (9/2/2021) | 7.2 (3/12/2013) | (14.4 - 7.2)/(35 - 1) | 0.211765 |
| 7.7 (11/23/2021) | 7.2 (3/12/2013) | (7.7 - 7.2)/(36 - 1) | 0.0142857 |
| 10.4 (1/11/2022) | 7.2 (3/12/2013) | (10.4 - 7.2)/(37 - 1) | 0.0888889 |
| 15.6 (4/7/2022) | 7.2 (3/12/2013) | (15.6 - 7.2)/(38 - 1) | 0.227027 |
| 7.8 (8/2/2022) | 7.2 (3/12/2013) | (7.8 - 7.2)/(39 - 1) | 0.0157895 |
| 8.3 (11/16/2022) | 7.2 (3/12/2013) | (8.3 - 7.2)/(40 - 1) | 0.0282051 |
| 10.4 (2/14/2023) | 7.2 (3/12/2013) | (10.4 - 7.2)/(41 - 1) | 0.08 |
| 9.8 (5/25/2023) | 7.2 (3/12/2013) | (9.8 - 7.2)/(42 - 1) | 0.0634146 |
| 11.5 (8/7/2023) | 7.2 (3/12/2013) | (11.5 - 7.2)/(43 - 1) | 0.102381 |
| 6.8 (12/12/2023) | 7.2 (3/12/2013) | (6.8 - 7.2)/(44 - 1) | -0.00930233 |
| 20.4 (1/10/2024) | 7.2 (3/12/2013) | (20.4 - 7.2)/(45 - 1) | 0.3 |
| 11 (5/21/2024) | 7.2 (3/12/2013) | (11 - 7.2)/(46 - 1) | 0.0844444 |
| 12 (9/16/2024) | 7.2 (3/12/2013) | (12 - 7.2)/(47 - 1) | 0.104348 |
| 23.3 (12/11/2024) | 7.2 (3/12/2013) | (23.3 - 7.2)/(48 - 1) | 0.342553 |
| 77.2 (2/18/2025) | 7.2 (3/12/2013) | (77.2 - 7.2)/(49 - 1) | 1.45833 |

| | | | |
|---|---|---|---|
| 15 (9/23/2013) | 21 (5/8/2013) | (15 - 21)/(3 - 2) | -6 |
| 13 (12/10/2013) | 21 (5/8/2013) | (13 - 21)/(4 - 2) | -4 |
| 12 (2/6/2014) | 21 (5/8/2013) | (12 - 21)/(5 - 2) | -3 |
| 11 (6/26/2014) | 21 (5/8/2013) | (11 - 21)/(6 - 2) | -2.5 |
| 11 (9/30/2014) | 21 (5/8/2013) | (11 - 21)/(7 - 2) | -2 |
| 9.6 (11/19/2014) | 21 (5/8/2013) | (9.6 - 21)/(8 - 2) | -1.9 |
| 11 (3/23/2015) | 21 (5/8/2013) | (11 - 21)/(9 - 2) | -1.42857 |
| 13 (4/22/2015) | 21 (5/8/2013) | (13 - 21)/(10 - 2) | -1 |
| 9.9 (9/30/2015) | 21 (5/8/2013) | (9.9 - 21)/(11 - 2) | -1.23333 |
| 11 (11/19/2015) | 21 (5/8/2013) | (11 - 21)/(12 - 2) | -1 |
| 9.5 (3/15/2016) | 21 (5/8/2013) | (9.5 - 21)/(13 - 2) | -1.04545 |
| 13.2 (6/29/2016) | 21 (5/8/2013) | (13.2 - 21)/(14 - 2) | -0.65 |
| 12.6 (8/9/2016) | 21 (5/8/2013) | (12.6 - 21)/(15 - 2) | -0.646154 |
| 8 (12/7/2016) | 21 (5/8/2013) | (8 - 21)/(16 - 2) | -0.928571 |
| 16 (3/2/2017) | 21 (5/8/2013) | (16 - 21)/(17 - 2) | -0.333333 |
| 12 (7/5/2017) | 21 (5/8/2013) | (12 - 21)/(18 - 2) | -0.5625 |
| 15.1 (8/16/2017) | 21 (5/8/2013) | (15.1 - 21)/(19 - 2) | -0.347059 |
| 11.8 (10/25/2017) | 21 (5/8/2013) | (11.8 - 21)/(20 - 2) | -0.511111 |
| 8.33 (3/28/2018) | 21 (5/8/2013) | (8.33 - 21)/(21 - 2) | -0.666842 |
| 13.3 (6/29/2018) | 21 (5/8/2013) | (13.3 - 21)/(22 - 2) | -0.385 |
| 12.8 (8/2/2018) | 21 (5/8/2013) | (12.8 - 21)/(23 - 2) | -0.390476 |
| 16.7 (12/10/2018) | 21 (5/8/2013) | (16.7 - 21)/(24 - 2) | -0.195455 |
| 11.7 (4/15/2019) | 21 (5/8/2013) | (11.7 - 21)/(25 - 2) | -0.404348 |
| 11 (6/12/2019) | 21 (5/8/2013) | (11 - 21)/(26 - 2) | -0.416667 |
| 7.1 (8/27/2019) | 21 (5/8/2013) | (7.1 - 21)/(27 - 2) | -0.556 |
| 10.4 (10/29/2019) | 21 (5/8/2013) | (10.4 - 21)/(28 - 2) | -0.407692 |
| 10.6 (3/30/2020) | 21 (5/8/2013) | (10.6 - 21)/(29 - 2) | -0.385185 |
| 9.67 (6/16/2020) | 21 (5/8/2013) | (9.67 - 21)/(30 - 2) | -0.404643 |
| 11 (9/21/2020) | 21 (5/8/2013) | (11 - 21)/(31 - 2) | -0.344828 |
| 10.1 (12/17/2020) | 21 (5/8/2013) | (10.1 - 21)/(32 - 2) | -0.363333 |
| 14.6 (3/18/2021) | 21 (5/8/2013) | (14.6 - 21)/(33 - 2) | -0.206452 |
| 32.2 (5/5/2021) | 21 (5/8/2013) | (32.2 - 21)/(34 - 2) | 0.35 |
| 14.4 (9/2/2021) | 21 (5/8/2013) | (14.4 - 21)/(35 - 2) | -0.2 |
| 7.7 (11/23/2021) | 21 (5/8/2013) | (7.7 - 21)/(36 - 2) | -0.391176 |
| 10.4 (1/11/2022) | 21 (5/8/2013) | (10.4 - 21)/(37 - 2) | -0.302857 |
| 15.6 (4/7/2022) | 21 (5/8/2013) | (15.6 - 21)/(38 - 2) | -0.15 |
| 7.8 (8/2/2022) | 21 (5/8/2013) | (7.8 - 21)/(39 - 2) | -0.356757 |
| 8.3 (11/16/2022) | 21 (5/8/2013) | (8.3 - 21)/(40 - 2) | -0.334211 |
| 10.4 (2/14/2023) | 21 (5/8/2013) | (10.4 - 21)/(41 - 2) | -0.271795 |
| 9.8 (5/25/2023) | 21 (5/8/2013) | (9.8 - 21)/(42 - 2) | -0.28 |
| 11.5 (8/7/2023) | 21 (5/8/2013) | (11.5 - 21)/(43 - 2) | -0.231707 |
| 6.8 (12/12/2023) | 21 (5/8/2013) | (6.8 - 21)/(44 - 2) | -0.338095 |
| 20.4 (1/10/2024) | 21 (5/8/2013) | (20.4 - 21)/(45 - 2) | -0.0139535 |
| 11 (5/21/2024) | 21 (5/8/2013) | (11 - 21)/(46 - 2) | -0.227273 |
| 12 (9/16/2024) | 21 (5/8/2013) | (12 - 21)/(47 - 2) | -0.2 |
| 23.3 (12/11/2024) | 21 (5/8/2013) | (23.3 - 21)/(48 - 2) | 0.05 |
| 77.2 (2/18/2025) | 21 (5/8/2013) | (77.2 - 21)/(49 - 2) | 1.19574 |
| | | | |
| 13 (12/10/2013) | 15 (9/23/2013) | (13 - 15)/(4 - 3) | -2 |
| 12 (2/6/2014) | 15 (9/23/2013) | (12 - 15)/(5 - 3) | -1.5 |
| 11 (6/26/2014) | 15 (9/23/2013) | (11 - 15)/(6 - 3) | -1.33333 |
| 11 (9/30/2014) | 15 (9/23/2013) | (11 - 15)/(7 - 3) | -1 |
| 9.6 (11/19/2014) | 15 (9/23/2013) | (9.6 - 15)/(8 - 3) | -1.08 |
| 11 (3/23/2015) | 15 (9/23/2013) | (11 - 15)/(9 - 3) | -0.666667 |
| 13 (4/22/2015) | 15 (9/23/2013) | (13 - 15)/(10 - 3) | -0.285714 |
| 9.9 (9/30/2015) | 15 (9/23/2013) | (9.9 - 15)/(11 - 3) | -0.6375 |

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|---|---|---|---|
| 11 (11/19/2015) | 15 (9/23/2013) | (11 - 15)/(12 - 3) | -0.444444 |
| 9.5 (3/15/2016) | 15 (9/23/2013) | (9.5 - 15)/(13 - 3) | -0.55 |
| 13.2 (6/29/2016) | 15 (9/23/2013) | (13.2 - 15)/(14 - 3) | -0.163636 |
| 12.6 (8/9/2016) | 15 (9/23/2013) | (12.6 - 15)/(15 - 3) | -0.2 |
| 8 (12/7/2016) | 15 (9/23/2013) | (8 - 15)/(16 - 3) | -0.538462 |
| 16 (3/2/2017) | 15 (9/23/2013) | (16 - 15)/(17 - 3) | 0.0714286 |
| 12 (7/5/2017) | 15 (9/23/2013) | (12 - 15)/(18 - 3) | -0.2 |
| 15.1 (8/16/2017) | 15 (9/23/2013) | (15.1 - 15)/(19 - 3) | 0.00625 |
| 11.8 (10/25/2017) | 15 (9/23/2013) | (11.8 - 15)/(20 - 3) | -0.188235 |
| 8.33 (3/28/2018) | 15 (9/23/2013) | (8.33 - 15)/(21 - 3) | -0.370556 |
| 13.3 (6/29/2018) | 15 (9/23/2013) | (13.3 - 15)/(22 - 3) | -0.0894737 |
| 12.8 (8/2/2018) | 15 (9/23/2013) | (12.8 - 15)/(23 - 3) | -0.11 |
| 16.7 (12/10/2018) | 15 (9/23/2013) | (16.7 - 15)/(24 - 3) | 0.0809524 |
| 11.7 (4/15/2019) | 15 (9/23/2013) | (11.7 - 15)/(25 - 3) | -0.15 |
| 11 (6/12/2019) | 15 (9/23/2013) | (11 - 15)/(26 - 3) | -0.173913 |
| 7.1 (8/27/2019) | 15 (9/23/2013) | (7.1 - 15)/(27 - 3) | -0.329167 |
| 10.4 (10/29/2019) | 15 (9/23/2013) | (10.4 - 15)/(28 - 3) | -0.184 |
| 10.6 (3/30/2020) | 15 (9/23/2013) | (10.6 - 15)/(29 - 3) | -0.169231 |
| 9.67 (6/16/2020) | 15 (9/23/2013) | (9.67 - 15)/(30 - 3) | -0.197407 |
| 11 (9/21/2020) | 15 (9/23/2013) | (11 - 15)/(31 - 3) | -0.142857 |
| 10.1 (12/17/2020) | 15 (9/23/2013) | (10.1 - 15)/(32 - 3) | -0.168966 |
| 14.6 (3/18/2021) | 15 (9/23/2013) | (14.6 - 15)/(33 - 3) | -0.0133333 |
| 32.2 (5/5/2021) | 15 (9/23/2013) | (32.2 - 15)/(34 - 3) | 0.554839 |
| 14.4 (9/2/2021) | 15 (9/23/2013) | (14.4 - 15)/(35 - 3) | -0.01875 |
| 7.7 (11/23/2021) | 15 (9/23/2013) | (7.7 - 15)/(36 - 3) | -0.221212 |
| 10.4 (1/11/2022) | 15 (9/23/2013) | (10.4 - 15)/(37 - 3) | -0.135294 |
| 15.6 (4/7/2022) | 15 (9/23/2013) | (15.6 - 15)/(38 - 3) | 0.0171429 |
| 7.8 (8/2/2022) | 15 (9/23/2013) | (7.8 - 15)/(39 - 3) | -0.2 |
| 8.3 (11/16/2022) | 15 (9/23/2013) | (8.3 - 15)/(40 - 3) | -0.181081 |
| 10.4 (2/14/2023) | 15 (9/23/2013) | (10.4 - 15)/(41 - 3) | -0.121053 |
| 9.8 (5/25/2023) | 15 (9/23/2013) | (9.8 - 15)/(42 - 3) | -0.133333 |
| 11.5 (8/7/2023) | 15 (9/23/2013) | (11.5 - 15)/(43 - 3) | -0.0875 |
| 6.8 (12/12/2023) | 15 (9/23/2013) | (6.8 - 15)/(44 - 3) | -0.2 |
| 20.4 (1/10/2024) | 15 (9/23/2013) | (20.4 - 15)/(45 - 3) | 0.128571 |
| 11 (5/21/2024) | 15 (9/23/2013) | (11 - 15)/(46 - 3) | -0.0930233 |
| 12 (9/16/2024) | 15 (9/23/2013) | (12 - 15)/(47 - 3) | -0.0681818 |
| 23.3 (12/11/2024) | 15 (9/23/2013) | (23.3 - 15)/(48 - 3) | 0.184444 |
| 77.2 (2/18/2025) | 15 (9/23/2013) | (77.2 - 15)/(49 - 3) | 1.35217 |
| | | | |
| 12 (2/6/2014) | 13 (12/10/2013) | (12 - 13)/(5 - 4) | -1 |
| 11 (6/26/2014) | 13 (12/10/2013) | (11 - 13)/(6 - 4) | -1 |
| 11 (9/30/2014) | 13 (12/10/2013) | (11 - 13)/(7 - 4) | -0.666667 |
| 9.6 (11/19/2014) | 13 (12/10/2013) | (9.6 - 13)/(8 - 4) | -0.85 |
| 11 (3/23/2015) | 13 (12/10/2013) | (11 - 13)/(9 - 4) | -0.4 |
| 13 (4/22/2015) | 13 (12/10/2013) | (13 - 13)/(10 - 4) | 0 |
| 9.9 (9/30/2015) | 13 (12/10/2013) | (9.9 - 13)/(11 - 4) | -0.442857 |
| 11 (11/19/2015) | 13 (12/10/2013) | (11 - 13)/(12 - 4) | -0.25 |
| 9.5 (3/15/2016) | 13 (12/10/2013) | (9.5 - 13)/(13 - 4) | -0.388889 |
| 13.2 (6/29/2016) | 13 (12/10/2013) | (13.2 - 13)/(14 - 4) | 0.02 |
| 12.6 (8/9/2016) | 13 (12/10/2013) | (12.6 - 13)/(15 - 4) | -0.0363636 |
| 8 (12/7/2016) | 13 (12/10/2013) | (8 - 13)/(16 - 4) | -0.416667 |
| 16 (3/2/2017) | 13 (12/10/2013) | (16 - 13)/(17 - 4) | 0.230769 |
| 12 (7/5/2017) | 13 (12/10/2013) | (12 - 13)/(18 - 4) | -0.0714286 |
| 15.1 (8/16/2017) | 13 (12/10/2013) | (15.1 - 13)/(19 - 4) | 0.14 |
| 11.8 (10/25/2017) | 13 (12/10/2013) | (11.8 - 13)/(20 - 4) | -0.075 |
| 8.33 (3/28/2018) | 13 (12/10/2013) | (8.33 - 13)/(21 - 4) | -0.274706 |
| 13.3 (6/29/2018) | 13 (12/10/2013) | (13.3 - 13)/(22 - 4) | 0.0166667 |

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|---|---|---|---|
| 12.8 (8/2/2018) | 13 (12/10/2013) | (12.8 - 13)/(23 - 4) | -0.0105263 |
| 16.7 (12/10/2018) | 13 (12/10/2013) | (16.7 - 13)/(24 - 4) | 0.185 |
| 11.7 (4/15/2019) | 13 (12/10/2013) | (11.7 - 13)/(25 - 4) | -0.0619048 |
| 11 (6/12/2019) | 13 (12/10/2013) | (11 - 13)/(26 - 4) | -0.0909091 |
| 7.1 (8/27/2019) | 13 (12/10/2013) | (7.1 - 13)/(27 - 4) | -0.256522 |
| 10.4 (10/29/2019) | 13 (12/10/2013) | (10.4 - 13)/(28 - 4) | -0.108333 |
| 10.6 (3/30/2020) | 13 (12/10/2013) | (10.6 - 13)/(29 - 4) | -0.096 |
| 9.67 (6/16/2020) | 13 (12/10/2013) | (9.67 - 13)/(30 - 4) | -0.128077 |
| 11 (9/21/2020) | 13 (12/10/2013) | (11 - 13)/(31 - 4) | -0.0740741 |
| 10.1 (12/17/2020) | 13 (12/10/2013) | (10.1 - 13)/(32 - 4) | -0.103571 |
| 14.6 (3/18/2021) | 13 (12/10/2013) | (14.6 - 13)/(33 - 4) | 0.0551724 |
| 32.2 (5/5/2021) | 13 (12/10/2013) | (32.2 - 13)/(34 - 4) | 0.64 |
| 14.4 (9/2/2021) | 13 (12/10/2013) | (14.4 - 13)/(35 - 4) | 0.0451613 |
| 7.7 (11/23/2021) | 13 (12/10/2013) | (7.7 - 13)/(36 - 4) | -0.165625 |
| 10.4 (1/11/2022) | 13 (12/10/2013) | (10.4 - 13)/(37 - 4) | -0.0787879 |
| 15.6 (4/7/2022) | 13 (12/10/2013) | (15.6 - 13)/(38 - 4) | 0.0764706 |
| 7.8 (8/2/2022) | 13 (12/10/2013) | (7.8 - 13)/(39 - 4) | -0.148571 |
| 8.3 (11/16/2022) | 13 (12/10/2013) | (8.3 - 13)/(40 - 4) | -0.130556 |
| 10.4 (2/14/2023) | 13 (12/10/2013) | (10.4 - 13)/(41 - 4) | -0.0702703 |
| 9.8 (5/25/2023) | 13 (12/10/2013) | (9.8 - 13)/(42 - 4) | -0.0842105 |
| 11.5 (8/7/2023) | 13 (12/10/2013) | (11.5 - 13)/(43 - 4) | -0.0384615 |
| 6.8 (12/12/2023) | 13 (12/10/2013) | (6.8 - 13)/(44 - 4) | -0.155 |
| 20.4 (1/10/2024) | 13 (12/10/2013) | (20.4 - 13)/(45 - 4) | 0.180488 |
| 11 (5/21/2024) | 13 (12/10/2013) | (11 - 13)/(46 - 4) | -0.047619 |
| 12 (9/16/2024) | 13 (12/10/2013) | (12 - 13)/(47 - 4) | -0.0232558 |
| 23.3 (12/11/2024) | 13 (12/10/2013) | (23.3 - 13)/(48 - 4) | 0.234091 |
| 77.2 (2/18/2025) | 13 (12/10/2013) | (77.2 - 13)/(49 - 4) | 1.42667 |
| | | | |
| 11 (6/26/2014) | 12 (2/6/2014) | (11 - 12)/(6 - 5) | -1 |
| 11 (9/30/2014) | 12 (2/6/2014) | (11 - 12)/(7 - 5) | -0.5 |
| 9.6 (11/19/2014) | 12 (2/6/2014) | (9.6 - 12)/(8 - 5) | -0.8 |
| 11 (3/23/2015) | 12 (2/6/2014) | (11 - 12)/(9 - 5) | -0.25 |
| 13 (4/22/2015) | 12 (2/6/2014) | (13 - 12)/(10 - 5) | 0.2 |
| 9.9 (9/30/2015) | 12 (2/6/2014) | (9.9 - 12)/(11 - 5) | -0.35 |
| 11 (11/19/2015) | 12 (2/6/2014) | (11 - 12)/(12 - 5) | -0.142857 |
| 9.5 (3/15/2016) | 12 (2/6/2014) | (9.5 - 12)/(13 - 5) | -0.3125 |
| 13.2 (6/29/2016) | 12 (2/6/2014) | (13.2 - 12)/(14 - 5) | 0.133333 |
| 12.6 (8/9/2016) | 12 (2/6/2014) | (12.6 - 12)/(15 - 5) | 0.06 |
| 8 (12/7/2016) | 12 (2/6/2014) | (8 - 12)/(16 - 5) | -0.363636 |
| 16 (3/2/2017) | 12 (2/6/2014) | (16 - 12)/(17 - 5) | 0.333333 |
| 12 (7/5/2017) | 12 (2/6/2014) | (12 - 12)/(18 - 5) | 0 |
| 15.1 (8/16/2017) | 12 (2/6/2014) | (15.1 - 12)/(19 - 5) | 0.221429 |
| 11.8 (10/25/2017) | 12 (2/6/2014) | (11.8 - 12)/(20 - 5) | -0.0133333 |
| 8.33 (3/28/2018) | 12 (2/6/2014) | (8.33 - 12)/(21 - 5) | -0.229375 |
| 13.3 (6/29/2018) | 12 (2/6/2014) | (13.3 - 12)/(22 - 5) | 0.0764706 |
| 12.8 (8/2/2018) | 12 (2/6/2014) | (12.8 - 12)/(23 - 5) | 0.0444444 |
| 16.7 (12/10/2018) | 12 (2/6/2014) | (16.7 - 12)/(24 - 5) | 0.247368 |
| 11.7 (4/15/2019) | 12 (2/6/2014) | (11.7 - 12)/(25 - 5) | -0.015 |
| 11 (6/12/2019) | 12 (2/6/2014) | (11 - 12)/(26 - 5) | -0.047619 |
| 7.1 (8/27/2019) | 12 (2/6/2014) | (7.1 - 12)/(27 - 5) | -0.222727 |
| 10.4 (10/29/2019) | 12 (2/6/2014) | (10.4 - 12)/(28 - 5) | -0.0695652 |
| 10.6 (3/30/2020) | 12 (2/6/2014) | (10.6 - 12)/(29 - 5) | -0.0583333 |
| 9.67 (6/16/2020) | 12 (2/6/2014) | (9.67 - 12)/(30 - 5) | -0.0932 |
| 11 (9/21/2020) | 12 (2/6/2014) | (11 - 12)/(31 - 5) | -0.0384615 |
| 10.1 (12/17/2020) | 12 (2/6/2014) | (10.1 - 12)/(32 - 5) | -0.0703704 |
| 14.6 (3/18/2021) | 12 (2/6/2014) | (14.6 - 12)/(33 - 5) | 0.0928571 |
| 32.2 (5/5/2021) | 12 (2/6/2014) | (32.2 - 12)/(34 - 5) | 0.696552 |

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| 14.4 (9/2/2021) | 12 (2/6/2014) | (14.4 - 12)/(35 - 5) | 0.08 |
| 7.7 (11/23/2021) | 12 (2/6/2014) | (7.7 - 12)/(36 - 5) | -0.13871 |
| 10.4 (1/11/2022) | 12 (2/6/2014) | (10.4 - 12)/(37 - 5) | -0.05 |
| 15.6 (4/7/2022) | 12 (2/6/2014) | (15.6 - 12)/(38 - 5) | 0.109091 |
| 7.8 (8/2/2022) | 12 (2/6/2014) | (7.8 - 12)/(39 - 5) | -0.123529 |
| 8.3 (11/16/2022) | 12 (2/6/2014) | (8.3 - 12)/(40 - 5) | -0.105714 |
| 10.4 (2/14/2023) | 12 (2/6/2014) | (10.4 - 12)/(41 - 5) | -0.0444444 |
| 9.8 (5/25/2023) | 12 (2/6/2014) | (9.8 - 12)/(42 - 5) | -0.0594595 |
| 11.5 (8/7/2023) | 12 (2/6/2014) | (11.5 - 12)/(43 - 5) | -0.0131579 |
| 6.8 (12/12/2023) | 12 (2/6/2014) | (6.8 - 12)/(44 - 5) | -0.133333 |
| 20.4 (1/10/2024) | 12 (2/6/2014) | (20.4 - 12)/(45 - 5) | 0.21 |
| 11 (5/21/2024) | 12 (2/6/2014) | (11 - 12)/(46 - 5) | -0.0243902 |
| 12 (9/16/2024) | 12 (2/6/2014) | (12 - 12)/(47 - 5) | 0 |
| 23.3 (12/11/2024) | 12 (2/6/2014) | (23.3 - 12)/(48 - 5) | 0.262791 |
| 77.2 (2/18/2025) | 12 (2/6/2014) | (77.2 - 12)/(49 - 5) | 1.48182 |
| | | | |
| 11 (9/30/2014) | 11 (6/26/2014) | (11 - 11)/(7 - 6) | 0 |
| 9.6 (11/19/2014) | 11 (6/26/2014) | (9.6 - 11)/(8 - 6) | -0.7 |
| 11 (3/23/2015) | 11 (6/26/2014) | (11 - 11)/(9 - 6) | 0 |
| 13 (4/22/2015) | 11 (6/26/2014) | (13 - 11)/(10 - 6) | 0.5 |
| 9.9 (9/30/2015) | 11 (6/26/2014) | (9.9 - 11)/(11 - 6) | -0.22 |
| 11 (11/19/2015) | 11 (6/26/2014) | (11 - 11)/(12 - 6) | 0 |
| 9.5 (3/15/2016) | 11 (6/26/2014) | (9.5 - 11)/(13 - 6) | -0.214286 |
| 13.2 (6/29/2016) | 11 (6/26/2014) | (13.2 - 11)/(14 - 6) | 0.275 |
| 12.6 (8/9/2016) | 11 (6/26/2014) | (12.6 - 11)/(15 - 6) | 0.177778 |
| 8 (12/7/2016) | 11 (6/26/2014) | (8 - 11)/(16 - 6) | -0.3 |
| 16 (3/2/2017) | 11 (6/26/2014) | (16 - 11)/(17 - 6) | 0.454545 |
| 12 (7/5/2017) | 11 (6/26/2014) | (12 - 11)/(18 - 6) | 0.0833333 |
| 15.1 (8/16/2017) | 11 (6/26/2014) | (15.1 - 11)/(19 - 6) | 0.315385 |
| 11.8 (10/25/2017) | 11 (6/26/2014) | (11.8 - 11)/(20 - 6) | 0.0571429 |
| 8.33 (3/28/2018) | 11 (6/26/2014) | (8.33 - 11)/(21 - 6) | -0.178 |
| 13.3 (6/29/2018) | 11 (6/26/2014) | (13.3 - 11)/(22 - 6) | 0.14375 |
| 12.8 (8/2/2018) | 11 (6/26/2014) | (12.8 - 11)/(23 - 6) | 0.105882 |
| 16.7 (12/10/2018) | 11 (6/26/2014) | (16.7 - 11)/(24 - 6) | 0.316667 |
| 11.7 (4/15/2019) | 11 (6/26/2014) | (11.7 - 11)/(25 - 6) | 0.0368421 |
| 11 (6/12/2019) | 11 (6/26/2014) | (11 - 11)/(26 - 6) | 0 |
| 7.1 (8/27/2019) | 11 (6/26/2014) | (7.1 - 11)/(27 - 6) | -0.185714 |
| 10.4 (10/29/2019) | 11 (6/26/2014) | (10.4 - 11)/(28 - 6) | -0.0272727 |
| 10.6 (3/30/2020) | 11 (6/26/2014) | (10.6 - 11)/(29 - 6) | -0.0173913 |
| 9.67 (6/16/2020) | 11 (6/26/2014) | (9.67 - 11)/(30 - 6) | -0.0554167 |
| 11 (9/21/2020) | 11 (6/26/2014) | (11 - 11)/(31 - 6) | 0 |
| 10.1 (12/17/2020) | 11 (6/26/2014) | (10.1 - 11)/(32 - 6) | -0.0346154 |
| 14.6 (3/18/2021) | 11 (6/26/2014) | (14.6 - 11)/(33 - 6) | 0.133333 |
| 32.2 (5/5/2021) | 11 (6/26/2014) | (32.2 - 11)/(34 - 6) | 0.757143 |
| 14.4 (9/2/2021) | 11 (6/26/2014) | (14.4 - 11)/(35 - 6) | 0.117241 |
| 7.7 (11/23/2021) | 11 (6/26/2014) | (7.7 - 11)/(36 - 6) | -0.11 |
| 10.4 (1/11/2022) | 11 (6/26/2014) | (10.4 - 11)/(37 - 6) | -0.0193548 |
| 15.6 (4/7/2022) | 11 (6/26/2014) | (15.6 - 11)/(38 - 6) | 0.14375 |
| 7.8 (8/2/2022) | 11 (6/26/2014) | (7.8 - 11)/(39 - 6) | -0.0969697 |
| 8.3 (11/16/2022) | 11 (6/26/2014) | (8.3 - 11)/(40 - 6) | -0.0794118 |
| 10.4 (2/14/2023) | 11 (6/26/2014) | (10.4 - 11)/(41 - 6) | -0.0171429 |
| 9.8 (5/25/2023) | 11 (6/26/2014) | (9.8 - 11)/(42 - 6) | -0.0333333 |
| 11.5 (8/7/2023) | 11 (6/26/2014) | (11.5 - 11)/(43 - 6) | 0.0135135 |
| 6.8 (12/12/2023) | 11 (6/26/2014) | (6.8 - 11)/(44 - 6) | -0.110526 |
| 20.4 (1/10/2024) | 11 (6/26/2014) | (20.4 - 11)/(45 - 6) | 0.241026 |
| 11 (5/21/2024) | 11 (6/26/2014) | (11 - 11)/(46 - 6) | 0 |
| 12 (9/16/2024) | 11 (6/26/2014) | (12 - 11)/(47 - 6) | 0.0243902 |

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|---|---|---|---|
| 23.3 (12/11/2024) | 11 (6/26/2014) | (23.3 - 11)/(48 - 6) | 0.292857 |
| 77.2 (2/18/2025) | 11 (6/26/2014) | (77.2 - 11)/(49 - 6) | 1.53953 |
| | | | |
| 9.6 (11/19/2014) | 11 (9/30/2014) | (9.6 - 11)/(8 - 7) | -1.4 |
| 11 (3/23/2015) | 11 (9/30/2014) | (11 - 11)/(9 - 7) | 0 |
| 13 (4/22/2015) | 11 (9/30/2014) | (13 - 11)/(10 - 7) | 0.666667 |
| 9.9 (9/30/2015) | 11 (9/30/2014) | (9.9 - 11)/(11 - 7) | -0.275 |
| 11 (11/19/2015) | 11 (9/30/2014) | (11 - 11)/(12 - 7) | 0 |
| 9.5 (3/15/2016) | 11 (9/30/2014) | (9.5 - 11)/(13 - 7) | -0.25 |
| 13.2 (6/29/2016) | 11 (9/30/2014) | (13.2 - 11)/(14 - 7) | 0.314286 |
| 12.6 (8/9/2016) | 11 (9/30/2014) | (12.6 - 11)/(15 - 7) | 0.2 |
| 8 (12/7/2016) | 11 (9/30/2014) | (8 - 11)/(16 - 7) | -0.333333 |
| 16 (3/2/2017) | 11 (9/30/2014) | (16 - 11)/(17 - 7) | 0.5 |
| 12 (7/5/2017) | 11 (9/30/2014) | (12 - 11)/(18 - 7) | 0.0909091 |
| 15.1 (8/16/2017) | 11 (9/30/2014) | (15.1 - 11)/(19 - 7) | 0.341667 |
| 11.8 (10/25/2017) | 11 (9/30/2014) | (11.8 - 11)/(20 - 7) | 0.0615385 |
| 8.33 (3/28/2018) | 11 (9/30/2014) | (8.33 - 11)/(21 - 7) | -0.190714 |
| 13.3 (6/29/2018) | 11 (9/30/2014) | (13.3 - 11)/(22 - 7) | 0.153333 |
| 12.8 (8/2/2018) | 11 (9/30/2014) | (12.8 - 11)/(23 - 7) | 0.1125 |
| 16.7 (12/10/2018) | 11 (9/30/2014) | (16.7 - 11)/(24 - 7) | 0.335294 |
| 11.7 (4/15/2019) | 11 (9/30/2014) | (11.7 - 11)/(25 - 7) | 0.0388889 |
| 11 (6/12/2019) | 11 (9/30/2014) | (11 - 11)/(26 - 7) | 0 |
| 7.1 (8/27/2019) | 11 (9/30/2014) | (7.1 - 11)/(27 - 7) | -0.195 |
| 10.4 (10/29/2019) | 11 (9/30/2014) | (10.4 - 11)/(28 - 7) | -0.0285714 |
| 10.6 (3/30/2020) | 11 (9/30/2014) | (10.6 - 11)/(29 - 7) | -0.0181818 |
| 9.67 (6/16/2020) | 11 (9/30/2014) | (9.67 - 11)/(30 - 7) | -0.0578261 |
| 11 (9/21/2020) | 11 (9/30/2014) | (11 - 11)/(31 - 7) | 0 |
| 10.1 (12/17/2020) | 11 (9/30/2014) | (10.1 - 11)/(32 - 7) | -0.036 |
| 14.6 (3/18/2021) | 11 (9/30/2014) | (14.6 - 11)/(33 - 7) | 0.138462 |
| 32.2 (5/5/2021) | 11 (9/30/2014) | (32.2 - 11)/(34 - 7) | 0.785185 |
| 14.4 (9/2/2021) | 11 (9/30/2014) | (14.4 - 11)/(35 - 7) | 0.121429 |
| 7.7 (11/23/2021) | 11 (9/30/2014) | (7.7 - 11)/(36 - 7) | -0.113793 |
| 10.4 (1/11/2022) | 11 (9/30/2014) | (10.4 - 11)/(37 - 7) | -0.02 |
| 15.6 (4/7/2022) | 11 (9/30/2014) | (15.6 - 11)/(38 - 7) | 0.148387 |
| 7.8 (8/2/2022) | 11 (9/30/2014) | (7.8 - 11)/(39 - 7) | -0.1 |
| 8.3 (11/16/2022) | 11 (9/30/2014) | (8.3 - 11)/(40 - 7) | -0.0818182 |
| 10.4 (2/14/2023) | 11 (9/30/2014) | (10.4 - 11)/(41 - 7) | -0.0176471 |
| 9.8 (5/25/2023) | 11 (9/30/2014) | (9.8 - 11)/(42 - 7) | -0.0342857 |
| 11.5 (8/7/2023) | 11 (9/30/2014) | (11.5 - 11)/(43 - 7) | 0.0138889 |
| 6.8 (12/12/2023) | 11 (9/30/2014) | (6.8 - 11)/(44 - 7) | -0.113514 |
| 20.4 (1/10/2024) | 11 (9/30/2014) | (20.4 - 11)/(45 - 7) | 0.247368 |
| 11 (5/21/2024) | 11 (9/30/2014) | (11 - 11)/(46 - 7) | 0 |
| 12 (9/16/2024) | 11 (9/30/2014) | (12 - 11)/(47 - 7) | 0.025 |
| 23.3 (12/11/2024) | 11 (9/30/2014) | (23.3 - 11)/(48 - 7) | 0.3 |
| 77.2 (2/18/2025) | 11 (9/30/2014) | (77.2 - 11)/(49 - 7) | 1.57619 |
| | | | |
| 11 (3/23/2015) | 9.6 (11/19/2014) | (11 - 9.6)/(9 - 8) | 1.4 |
| 13 (4/22/2015) | 9.6 (11/19/2014) | (13 - 9.6)/(10 - 8) | 1.7 |
| 9.9 (9/30/2015) | 9.6 (11/19/2014) | (9.9 - 9.6)/(11 - 8) | 0.1 |
| 11 (11/19/2015) | 9.6 (11/19/2014) | (11 - 9.6)/(12 - 8) | 0.35 |
| 9.5 (3/15/2016) | 9.6 (11/19/2014) | (9.5 - 9.6)/(13 - 8) | -0.02 |
| 13.2 (6/29/2016) | 9.6 (11/19/2014) | (13.2 - 9.6)/(14 - 8) | 0.6 |
| 12.6 (8/9/2016) | 9.6 (11/19/2014) | (12.6 - 9.6)/(15 - 8) | 0.428571 |
| 8 (12/7/2016) | 9.6 (11/19/2014) | (8 - 9.6)/(16 - 8) | -0.2 |
| 16 (3/2/2017) | 9.6 (11/19/2014) | (16 - 9.6)/(17 - 8) | 0.711111 |
| 12 (7/5/2017) | 9.6 (11/19/2014) | (12 - 9.6)/(18 - 8) | 0.24 |
| 15.1 (8/16/2017) | 9.6 (11/19/2014) | (15.1 - 9.6)/(19 - 8) | 0.5 |

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|---|---|---|---|
| 11.8 (10/25/2017) | 9.6 (11/19/2014) | (11.8 - 9.6)/(20 - 8) | 0.183333 |
| 8.33 (3/28/2018) | 9.6 (11/19/2014) | (8.33 - 9.6)/(21 - 8) | -0.0976923 |
| 13.3 (6/29/2018) | 9.6 (11/19/2014) | (13.3 - 9.6)/(22 - 8) | 0.264286 |
| 12.8 (8/2/2018) | 9.6 (11/19/2014) | (12.8 - 9.6)/(23 - 8) | 0.213333 |
| 16.7 (12/10/2018) | 9.6 (11/19/2014) | (16.7 - 9.6)/(24 - 8) | 0.44375 |
| 11.7 (4/15/2019) | 9.6 (11/19/2014) | (11.7 - 9.6)/(25 - 8) | 0.123529 |
| 11 (6/12/2019) | 9.6 (11/19/2014) | (11 - 9.6)/(26 - 8) | 0.0777778 |
| 7.1 (8/27/2019) | 9.6 (11/19/2014) | (7.1 - 9.6)/(27 - 8) | -0.131579 |
| 10.4 (10/29/2019) | 9.6 (11/19/2014) | (10.4 - 9.6)/(28 - 8) | 0.04 |
| 10.6 (3/30/2020) | 9.6 (11/19/2014) | (10.6 - 9.6)/(29 - 8) | 0.047619 |
| 9.67 (6/16/2020) | 9.6 (11/19/2014) | (9.67 - 9.6)/(30 - 8) | 0.00318182 |
| 11 (9/21/2020) | 9.6 (11/19/2014) | (11 - 9.6)/(31 - 8) | 0.0608696 |
| 10.1 (12/17/2020) | 9.6 (11/19/2014) | (10.1 - 9.6)/(32 - 8) | 0.0208333 |
| 14.6 (3/18/2021) | 9.6 (11/19/2014) | (14.6 - 9.6)/(33 - 8) | 0.2 |
| 32.2 (5/5/2021) | 9.6 (11/19/2014) | (32.2 - 9.6)/(34 - 8) | 0.869231 |
| 14.4 (9/2/2021) | 9.6 (11/19/2014) | (14.4 - 9.6)/(35 - 8) | 0.177778 |
| 7.7 (11/23/2021) | 9.6 (11/19/2014) | (7.7 - 9.6)/(36 - 8) | -0.0678571 |
| 10.4 (1/11/2022) | 9.6 (11/19/2014) | (10.4 - 9.6)/(37 - 8) | 0.0275862 |
| 15.6 (4/7/2022) | 9.6 (11/19/2014) | (15.6 - 9.6)/(38 - 8) | 0.2 |
| 7.8 (8/2/2022) | 9.6 (11/19/2014) | (7.8 - 9.6)/(39 - 8) | -0.0580645 |
| 8.3 (11/16/2022) | 9.6 (11/19/2014) | (8.3 - 9.6)/(40 - 8) | -0.040625 |
| 10.4 (2/14/2023) | 9.6 (11/19/2014) | (10.4 - 9.6)/(41 - 8) | 0.0242424 |
| 9.8 (5/25/2023) | 9.6 (11/19/2014) | (9.8 - 9.6)/(42 - 8) | 0.00588235 |
| 11.5 (8/7/2023) | 9.6 (11/19/2014) | (11.5 - 9.6)/(43 - 8) | 0.0542857 |
| 6.8 (12/12/2023) | 9.6 (11/19/2014) | (6.8 - 9.6)/(44 - 8) | -0.0777778 |
| 20.4 (1/10/2024) | 9.6 (11/19/2014) | (20.4 - 9.6)/(45 - 8) | 0.291892 |
| 11 (5/21/2024) | 9.6 (11/19/2014) | (11 - 9.6)/(46 - 8) | 0.0368421 |
| 12 (9/16/2024) | 9.6 (11/19/2014) | (12 - 9.6)/(47 - 8) | 0.0615385 |
| 23.3 (12/11/2024) | 9.6 (11/19/2014) | (23.3 - 9.6)/(48 - 8) | 0.3425 |
| 77.2 (2/18/2025) | 9.6 (11/19/2014) | (77.2 - 9.6)/(49 - 8) | 1.64878 |

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|---|---|---|---|
| 13 (4/22/2015) | 11 (3/23/2015) | (13 - 11)/(10 - 9) | 2 |
| 9.9 (9/30/2015) | 11 (3/23/2015) | (9.9 - 11)/(11 - 9) | -0.55 |
| 11 (11/19/2015) | 11 (3/23/2015) | (11 - 11)/(12 - 9) | 0 |
| 9.5 (3/15/2016) | 11 (3/23/2015) | (9.5 - 11)/(13 - 9) | -0.375 |
| 13.2 (6/29/2016) | 11 (3/23/2015) | (13.2 - 11)/(14 - 9) | 0.44 |
| 12.6 (8/9/2016) | 11 (3/23/2015) | (12.6 - 11)/(15 - 9) | 0.266667 |
| 8 (12/7/2016) | 11 (3/23/2015) | (8 - 11)/(16 - 9) | -0.428571 |
| 16 (3/2/2017) | 11 (3/23/2015) | (16 - 11)/(17 - 9) | 0.625 |
| 12 (7/5/2017) | 11 (3/23/2015) | (12 - 11)/(18 - 9) | 0.111111 |
| 15.1 (8/16/2017) | 11 (3/23/2015) | (15.1 - 11)/(19 - 9) | 0.41 |
| 11.8 (10/25/2017) | 11 (3/23/2015) | (11.8 - 11)/(20 - 9) | 0.0727273 |
| 8.33 (3/28/2018) | 11 (3/23/2015) | (8.33 - 11)/(21 - 9) | -0.2225 |
| 13.3 (6/29/2018) | 11 (3/23/2015) | (13.3 - 11)/(22 - 9) | 0.176923 |
| 12.8 (8/2/2018) | 11 (3/23/2015) | (12.8 - 11)/(23 - 9) | 0.128571 |
| 16.7 (12/10/2018) | 11 (3/23/2015) | (16.7 - 11)/(24 - 9) | 0.38 |
| 11.7 (4/15/2019) | 11 (3/23/2015) | (11.7 - 11)/(25 - 9) | 0.04375 |
| 11 (6/12/2019) | 11 (3/23/2015) | (11 - 11)/(26 - 9) | 0 |
| 7.1 (8/27/2019) | 11 (3/23/2015) | (7.1 - 11)/(27 - 9) | -0.216667 |
| 10.4 (10/29/2019) | 11 (3/23/2015) | (10.4 - 11)/(28 - 9) | -0.0315789 |
| 10.6 (3/30/2020) | 11 (3/23/2015) | (10.6 - 11)/(29 - 9) | -0.02 |
| 9.67 (6/16/2020) | 11 (3/23/2015) | (9.67 - 11)/(30 - 9) | -0.0633333 |
| 11 (9/21/2020) | 11 (3/23/2015) | (11 - 11)/(31 - 9) | 0 |
| 10.1 (12/17/2020) | 11 (3/23/2015) | (10.1 - 11)/(32 - 9) | -0.0391304 |
| 14.6 (3/18/2021) | 11 (3/23/2015) | (14.6 - 11)/(33 - 9) | 0.15 |
| 32.2 (5/5/2021) | 11 (3/23/2015) | (32.2 - 11)/(34 - 9) | 0.848 |
| 14.4 (9/2/2021) | 11 (3/23/2015) | (14.4 - 11)/(35 - 9) | 0.130769 |

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|---|---|---|---|
| 7.7 (11/23/2021) | 11 (3/23/2015) | (7.7 - 11)/(36 - 9) | -0.122222 |
| 10.4 (1/11/2022) | 11 (3/23/2015) | (10.4 - 11)/(37 - 9) | -0.0214286 |
| 15.6 (4/7/2022) | 11 (3/23/2015) | (15.6 - 11)/(38 - 9) | 0.158621 |
| 7.8 (8/2/2022) | 11 (3/23/2015) | (7.8 - 11)/(39 - 9) | -0.106667 |
| 8.3 (11/16/2022) | 11 (3/23/2015) | (8.3 - 11)/(40 - 9) | -0.0870968 |
| 10.4 (2/14/2023) | 11 (3/23/2015) | (10.4 - 11)/(41 - 9) | -0.01875 |
| 9.8 (5/25/2023) | 11 (3/23/2015) | (9.8 - 11)/(42 - 9) | -0.0363636 |
| 11.5 (8/7/2023) | 11 (3/23/2015) | (11.5 - 11)/(43 - 9) | 0.0147059 |
| 6.8 (12/12/2023) | 11 (3/23/2015) | (6.8 - 11)/(44 - 9) | -0.12 |
| 20.4 (1/10/2024) | 11 (3/23/2015) | (20.4 - 11)/(45 - 9) | 0.261111 |
| 11 (5/21/2024) | 11 (3/23/2015) | (11 - 11)/(46 - 9) | 0 |
| 12 (9/16/2024) | 11 (3/23/2015) | (12 - 11)/(47 - 9) | 0.0263158 |
| 23.3 (12/11/2024) | 11 (3/23/2015) | (23.3 - 11)/(48 - 9) | 0.315385 |
| 77.2 (2/18/2025) | 11 (3/23/2015) | (77.2 - 11)/(49 - 9) | 1.655 |
| | | | |
| 9.9 (9/30/2015) | 13 (4/22/2015) | (9.9 - 13)/(11 - 10) | -3.1 |
| 11 (11/19/2015) | 13 (4/22/2015) | (11 - 13)/(12 - 10) | -1 |
| 9.5 (3/15/2016) | 13 (4/22/2015) | (9.5 - 13)/(13 - 10) | -1.16667 |
| 13.2 (6/29/2016) | 13 (4/22/2015) | (13.2 - 13)/(14 - 10) | 0.05 |
| 12.6 (8/9/2016) | 13 (4/22/2015) | (12.6 - 13)/(15 - 10) | -0.08 |
| 8 (12/7/2016) | 13 (4/22/2015) | (8 - 13)/(16 - 10) | -0.833333 |
| 16 (3/2/2017) | 13 (4/22/2015) | (16 - 13)/(17 - 10) | 0.428571 |
| 12 (7/5/2017) | 13 (4/22/2015) | (12 - 13)/(18 - 10) | -0.125 |
| 15.1 (8/16/2017) | 13 (4/22/2015) | (15.1 - 13)/(19 - 10) | 0.233333 |
| 11.8 (10/25/2017) | 13 (4/22/2015) | (11.8 - 13)/(20 - 10) | -0.12 |
| 8.33 (3/28/2018) | 13 (4/22/2015) | (8.33 - 13)/(21 - 10) | -0.424545 |
| 13.3 (6/29/2018) | 13 (4/22/2015) | (13.3 - 13)/(22 - 10) | 0.025 |
| 12.8 (8/2/2018) | 13 (4/22/2015) | (12.8 - 13)/(23 - 10) | -0.0153846 |
| 16.7 (12/10/2018) | 13 (4/22/2015) | (16.7 - 13)/(24 - 10) | 0.264286 |
| 11.7 (4/15/2019) | 13 (4/22/2015) | (11.7 - 13)/(25 - 10) | -0.0866667 |
| 11 (6/12/2019) | 13 (4/22/2015) | (11 - 13)/(26 - 10) | -0.125 |
| 7.1 (8/27/2019) | 13 (4/22/2015) | (7.1 - 13)/(27 - 10) | -0.347059 |
| 10.4 (10/29/2019) | 13 (4/22/2015) | (10.4 - 13)/(28 - 10) | -0.144444 |
| 10.6 (3/30/2020) | 13 (4/22/2015) | (10.6 - 13)/(29 - 10) | -0.126316 |
| 9.67 (6/16/2020) | 13 (4/22/2015) | (9.67 - 13)/(30 - 10) | -0.1665 |
| 11 (9/21/2020) | 13 (4/22/2015) | (11 - 13)/(31 - 10) | -0.0952381 |
| 10.1 (12/17/2020) | 13 (4/22/2015) | (10.1 - 13)/(32 - 10) | -0.131818 |
| 14.6 (3/18/2021) | 13 (4/22/2015) | (14.6 - 13)/(33 - 10) | 0.0695652 |
| 32.2 (5/5/2021) | 13 (4/22/2015) | (32.2 - 13)/(34 - 10) | 0.8 |
| 14.4 (9/2/2021) | 13 (4/22/2015) | (14.4 - 13)/(35 - 10) | 0.056 |
| 7.7 (11/23/2021) | 13 (4/22/2015) | (7.7 - 13)/(36 - 10) | -0.203846 |
| 10.4 (1/11/2022) | 13 (4/22/2015) | (10.4 - 13)/(37 - 10) | -0.0962963 |
| 15.6 (4/7/2022) | 13 (4/22/2015) | (15.6 - 13)/(38 - 10) | 0.0928571 |
| 7.8 (8/2/2022) | 13 (4/22/2015) | (7.8 - 13)/(39 - 10) | -0.17931 |
| 8.3 (11/16/2022) | 13 (4/22/2015) | (8.3 - 13)/(40 - 10) | -0.156667 |
| 10.4 (2/14/2023) | 13 (4/22/2015) | (10.4 - 13)/(41 - 10) | -0.083871 |
| 9.8 (5/25/2023) | 13 (4/22/2015) | (9.8 - 13)/(42 - 10) | -0.1 |
| 11.5 (8/7/2023) | 13 (4/22/2015) | (11.5 - 13)/(43 - 10) | -0.0454545 |
| 6.8 (12/12/2023) | 13 (4/22/2015) | (6.8 - 13)/(44 - 10) | -0.182353 |
| 20.4 (1/10/2024) | 13 (4/22/2015) | (20.4 - 13)/(45 - 10) | 0.211429 |
| 11 (5/21/2024) | 13 (4/22/2015) | (11 - 13)/(46 - 10) | -0.0555556 |
| 12 (9/16/2024) | 13 (4/22/2015) | (12 - 13)/(47 - 10) | -0.027027 |
| 23.3 (12/11/2024) | 13 (4/22/2015) | (23.3 - 13)/(48 - 10) | 0.271053 |
| 77.2 (2/18/2025) | 13 (4/22/2015) | (77.2 - 13)/(49 - 10) | 1.64615 |
| | | | |
| 11 (11/19/2015) | 9.9 (9/30/2015) | (11 - 9.9)/(12 - 11) | 1.1 |
| 9.5 (3/15/2016) | 9.9 (9/30/2015) | (9.5 - 9.9)/(13 - 11) | -0.2 |

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|---|---|---|---|
| 13.2 (6/29/2016) | 9.9 (9/30/2015) | (13.2 - 9.9)/(14 - 11) | 1.1 |
| 12.6 (8/9/2016) | 9.9 (9/30/2015) | (12.6 - 9.9)/(15 - 11) | 0.675 |
| 8 (12/7/2016) | 9.9 (9/30/2015) | (8 - 9.9)/(16 - 11) | -0.38 |
| 16 (3/2/2017) | 9.9 (9/30/2015) | (16 - 9.9)/(17 - 11) | 1.01667 |
| 12 (7/5/2017) | 9.9 (9/30/2015) | (12 - 9.9)/(18 - 11) | 0.3 |
| 15.1 (8/16/2017) | 9.9 (9/30/2015) | (15.1 - 9.9)/(19 - 11) | 0.65 |
| 11.8 (10/25/2017) | 9.9 (9/30/2015) | (11.8 - 9.9)/(20 - 11) | 0.211111 |
| 8.33 (3/28/2018) | 9.9 (9/30/2015) | (8.33 - 9.9)/(21 - 11) | -0.157 |
| 13.3 (6/29/2018) | 9.9 (9/30/2015) | (13.3 - 9.9)/(22 - 11) | 0.309091 |
| 12.8 (8/2/2018) | 9.9 (9/30/2015) | (12.8 - 9.9)/(23 - 11) | 0.241667 |
| 16.7 (12/10/2018) | 9.9 (9/30/2015) | (16.7 - 9.9)/(24 - 11) | 0.523077 |
| 11.7 (4/15/2019) | 9.9 (9/30/2015) | (11.7 - 9.9)/(25 - 11) | 0.128571 |
| 11 (6/12/2019) | 9.9 (9/30/2015) | (11 - 9.9)/(26 - 11) | 0.0733333 |
| 7.1 (8/27/2019) | 9.9 (9/30/2015) | (7.1 - 9.9)/(27 - 11) | -0.175 |
| 10.4 (10/29/2019) | 9.9 (9/30/2015) | (10.4 - 9.9)/(28 - 11) | 0.0294118 |
| 10.6 (3/30/2020) | 9.9 (9/30/2015) | (10.6 - 9.9)/(29 - 11) | 0.0388889 |
| 9.67 (6/16/2020) | 9.9 (9/30/2015) | (9.67 - 9.9)/(30 - 11) | -0.0121053 |
| 11 (9/21/2020) | 9.9 (9/30/2015) | (11 - 9.9)/(31 - 11) | 0.055 |
| 10.1 (12/17/2020) | 9.9 (9/30/2015) | (10.1 - 9.9)/(32 - 11) | 0.00952381 |
| 14.6 (3/18/2021) | 9.9 (9/30/2015) | (14.6 - 9.9)/(33 - 11) | 0.213636 |
| 32.2 (5/5/2021) | 9.9 (9/30/2015) | (32.2 - 9.9)/(34 - 11) | 0.969565 |
| 14.4 (9/2/2021) | 9.9 (9/30/2015) | (14.4 - 9.9)/(35 - 11) | 0.1875 |
| 7.7 (11/23/2021) | 9.9 (9/30/2015) | (7.7 - 9.9)/(36 - 11) | -0.088 |
| 10.4 (1/11/2022) | 9.9 (9/30/2015) | (10.4 - 9.9)/(37 - 11) | 0.0192308 |
| 15.6 (4/7/2022) | 9.9 (9/30/2015) | (15.6 - 9.9)/(38 - 11) | 0.211111 |
| 7.8 (8/2/2022) | 9.9 (9/30/2015) | (7.8 - 9.9)/(39 - 11) | -0.075 |
| 8.3 (11/16/2022) | 9.9 (9/30/2015) | (8.3 - 9.9)/(40 - 11) | -0.0551724 |
| 10.4 (2/14/2023) | 9.9 (9/30/2015) | (10.4 - 9.9)/(41 - 11) | 0.0166667 |
| 9.8 (5/25/2023) | 9.9 (9/30/2015) | (9.8 - 9.9)/(42 - 11) | -0.00322581 |
| 11.5 (8/7/2023) | 9.9 (9/30/2015) | (11.5 - 9.9)/(43 - 11) | 0.05 |
| 6.8 (12/12/2023) | 9.9 (9/30/2015) | (6.8 - 9.9)/(44 - 11) | -0.0939394 |
| 20.4 (1/10/2024) | 9.9 (9/30/2015) | (20.4 - 9.9)/(45 - 11) | 0.308824 |
| 11 (5/21/2024) | 9.9 (9/30/2015) | (11 - 9.9)/(46 - 11) | 0.0314286 |
| 12 (9/16/2024) | 9.9 (9/30/2015) | (12 - 9.9)/(47 - 11) | 0.0583333 |
| 23.3 (12/11/2024) | 9.9 (9/30/2015) | (23.3 - 9.9)/(48 - 11) | 0.362162 |
| 77.2 (2/18/2025) | 9.9 (9/30/2015) | (77.2 - 9.9)/(49 - 11) | 1.77105 |

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| 9.5 (3/15/2016) | 11 (11/19/2015) | (9.5 - 11)/(13 - 12) | -1.5 |
| 13.2 (6/29/2016) | 11 (11/19/2015) | (13.2 - 11)/(14 - 12) | 1.1 |
| 12.6 (8/9/2016) | 11 (11/19/2015) | (12.6 - 11)/(15 - 12) | 0.533333 |
| 8 (12/7/2016) | 11 (11/19/2015) | (8 - 11)/(16 - 12) | -0.75 |
| 16 (3/2/2017) | 11 (11/19/2015) | (16 - 11)/(17 - 12) | 1 |
| 12 (7/5/2017) | 11 (11/19/2015) | (12 - 11)/(18 - 12) | 0.166667 |
| 15.1 (8/16/2017) | 11 (11/19/2015) | (15.1 - 11)/(19 - 12) | 0.585714 |
| 11.8 (10/25/2017) | 11 (11/19/2015) | (11.8 - 11)/(20 - 12) | 0.1 |
| 8.33 (3/28/2018) | 11 (11/19/2015) | (8.33 - 11)/(21 - 12) | -0.296667 |
| 13.3 (6/29/2018) | 11 (11/19/2015) | (13.3 - 11)/(22 - 12) | 0.23 |
| 12.8 (8/2/2018) | 11 (11/19/2015) | (12.8 - 11)/(23 - 12) | 0.163636 |
| 16.7 (12/10/2018) | 11 (11/19/2015) | (16.7 - 11)/(24 - 12) | 0.475 |
| 11.7 (4/15/2019) | 11 (11/19/2015) | (11.7 - 11)/(25 - 12) | 0.0538462 |
| 11 (6/12/2019) | 11 (11/19/2015) | (11 - 11)/(26 - 12) | 0 |
| 7.1 (8/27/2019) | 11 (11/19/2015) | (7.1 - 11)/(27 - 12) | -0.26 |
| 10.4 (10/29/2019) | 11 (11/19/2015) | (10.4 - 11)/(28 - 12) | -0.0375 |
| 10.6 (3/30/2020) | 11 (11/19/2015) | (10.6 - 11)/(29 - 12) | -0.0235294 |
| 9.67 (6/16/2020) | 11 (11/19/2015) | (9.67 - 11)/(30 - 12) | -0.0738889 |
| 11 (9/21/2020) | 11 (11/19/2015) | (11 - 11)/(31 - 12) | 0 |
| 10.1 (12/17/2020) | 11 (11/19/2015) | (10.1 - 11)/(32 - 12) | -0.045 |

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| 14.6 (3/18/2021) | 11 (11/19/2015) | (14.6 - 11)/(33 - 12) | 0.171429 |
| 32.2 (5/5/2021) | 11 (11/19/2015) | (32.2 - 11)/(34 - 12) | 0.963636 |
| 14.4 (9/2/2021) | 11 (11/19/2015) | (14.4 - 11)/(35 - 12) | 0.147826 |
| 7.7 (11/23/2021) | 11 (11/19/2015) | (7.7 - 11)/(36 - 12) | -0.1375 |
| 10.4 (1/11/2022) | 11 (11/19/2015) | (10.4 - 11)/(37 - 12) | -0.024 |
| 15.6 (4/7/2022) | 11 (11/19/2015) | (15.6 - 11)/(38 - 12) | 0.176923 |
| 7.8 (8/2/2022) | 11 (11/19/2015) | (7.8 - 11)/(39 - 12) | -0.118519 |
| 8.3 (11/16/2022) | 11 (11/19/2015) | (8.3 - 11)/(40 - 12) | -0.0964286 |
| 10.4 (2/14/2023) | 11 (11/19/2015) | (10.4 - 11)/(41 - 12) | -0.0206897 |
| 9.8 (5/25/2023) | 11 (11/19/2015) | (9.8 - 11)/(42 - 12) | -0.04 |
| 11.5 (8/7/2023) | 11 (11/19/2015) | (11.5 - 11)/(43 - 12) | 0.016129 |
| 6.8 (12/12/2023) | 11 (11/19/2015) | (6.8 - 11)/(44 - 12) | -0.13125 |
| 20.4 (1/10/2024) | 11 (11/19/2015) | (20.4 - 11)/(45 - 12) | 0.284848 |
| 11 (5/21/2024) | 11 (11/19/2015) | (11 - 11)/(46 - 12) | 0 |
| 12 (9/16/2024) | 11 (11/19/2015) | (12 - 11)/(47 - 12) | 0.0285714 |
| 23.3 (12/11/2024) | 11 (11/19/2015) | (23.3 - 11)/(48 - 12) | 0.341667 |
| 77.2 (2/18/2025) | 11 (11/19/2015) | (77.2 - 11)/(49 - 12) | 1.78919 |
| | | | |
| 13.2 (6/29/2016) | 9.5 (3/15/2016) | (13.2 - 9.5)/(14 - 13) | 3.7 |
| 12.6 (8/9/2016) | 9.5 (3/15/2016) | (12.6 - 9.5)/(15 - 13) | 1.55 |
| 8 (12/7/2016) | 9.5 (3/15/2016) | (8 - 9.5)/(16 - 13) | -0.5 |
| 16 (3/2/2017) | 9.5 (3/15/2016) | (16 - 9.5)/(17 - 13) | 1.625 |
| 12 (7/5/2017) | 9.5 (3/15/2016) | (12 - 9.5)/(18 - 13) | 0.5 |
| 15.1 (8/16/2017) | 9.5 (3/15/2016) | (15.1 - 9.5)/(19 - 13) | 0.933333 |
| 11.8 (10/25/2017) | 9.5 (3/15/2016) | (11.8 - 9.5)/(20 - 13) | 0.328571 |
| 8.33 (3/28/2018) | 9.5 (3/15/2016) | (8.33 - 9.5)/(21 - 13) | -0.14625 |
| 13.3 (6/29/2018) | 9.5 (3/15/2016) | (13.3 - 9.5)/(22 - 13) | 0.422222 |
| 12.8 (8/2/2018) | 9.5 (3/15/2016) | (12.8 - 9.5)/(23 - 13) | 0.33 |
| 16.7 (12/10/2018) | 9.5 (3/15/2016) | (16.7 - 9.5)/(24 - 13) | 0.654545 |
| 11.7 (4/15/2019) | 9.5 (3/15/2016) | (11.7 - 9.5)/(25 - 13) | 0.183333 |
| 11 (6/12/2019) | 9.5 (3/15/2016) | (11 - 9.5)/(26 - 13) | 0.115385 |
| 7.1 (8/27/2019) | 9.5 (3/15/2016) | (7.1 - 9.5)/(27 - 13) | -0.171429 |
| 10.4 (10/29/2019) | 9.5 (3/15/2016) | (10.4 - 9.5)/(28 - 13) | 0.06 |
| 10.6 (3/30/2020) | 9.5 (3/15/2016) | (10.6 - 9.5)/(29 - 13) | 0.06875 |
| 9.67 (6/16/2020) | 9.5 (3/15/2016) | (9.67 - 9.5)/(30 - 13) | 0.01 |
| 11 (9/21/2020) | 9.5 (3/15/2016) | (11 - 9.5)/(31 - 13) | 0.0833333 |
| 10.1 (12/17/2020) | 9.5 (3/15/2016) | (10.1 - 9.5)/(32 - 13) | 0.0315789 |
| 14.6 (3/18/2021) | 9.5 (3/15/2016) | (14.6 - 9.5)/(33 - 13) | 0.255 |
| 32.2 (5/5/2021) | 9.5 (3/15/2016) | (32.2 - 9.5)/(34 - 13) | 1.08095 |
| 14.4 (9/2/2021) | 9.5 (3/15/2016) | (14.4 - 9.5)/(35 - 13) | 0.222727 |
| 7.7 (11/23/2021) | 9.5 (3/15/2016) | (7.7 - 9.5)/(36 - 13) | -0.0782609 |
| 10.4 (1/11/2022) | 9.5 (3/15/2016) | (10.4 - 9.5)/(37 - 13) | 0.0375 |
| 15.6 (4/7/2022) | 9.5 (3/15/2016) | (15.6 - 9.5)/(38 - 13) | 0.244 |
| 7.8 (8/2/2022) | 9.5 (3/15/2016) | (7.8 - 9.5)/(39 - 13) | -0.0653846 |
| 8.3 (11/16/2022) | 9.5 (3/15/2016) | (8.3 - 9.5)/(40 - 13) | -0.0444444 |
| 10.4 (2/14/2023) | 9.5 (3/15/2016) | (10.4 - 9.5)/(41 - 13) | 0.0321429 |
| 9.8 (5/25/2023) | 9.5 (3/15/2016) | (9.8 - 9.5)/(42 - 13) | 0.0103448 |
| 11.5 (8/7/2023) | 9.5 (3/15/2016) | (11.5 - 9.5)/(43 - 13) | 0.0666667 |
| 6.8 (12/12/2023) | 9.5 (3/15/2016) | (6.8 - 9.5)/(44 - 13) | -0.0870968 |
| 20.4 (1/10/2024) | 9.5 (3/15/2016) | (20.4 - 9.5)/(45 - 13) | 0.340625 |
| 11 (5/21/2024) | 9.5 (3/15/2016) | (11 - 9.5)/(46 - 13) | 0.0454545 |
| 12 (9/16/2024) | 9.5 (3/15/2016) | (12 - 9.5)/(47 - 13) | 0.0735294 |
| 23.3 (12/11/2024) | 9.5 (3/15/2016) | (23.3 - 9.5)/(48 - 13) | 0.394286 |
| 77.2 (2/18/2025) | 9.5 (3/15/2016) | (77.2 - 9.5)/(49 - 13) | 1.88056 |
| | | | |
| 12.6 (8/9/2016) | 13.2 (6/29/2016) | (12.6 - 13.2)/(15 - 14) | -0.6 |
| 8 (12/7/2016) | 13.2 (6/29/2016) | (8 - 13.2)/(16 - 14) | -2.6 |

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|---|---|---|---|
| 16 (3/2/2017) | 13.2 (6/29/2016) | (16 - 13.2)/(17 - 14) | 0.933333 |
| 12 (7/5/2017) | 13.2 (6/29/2016) | (12 - 13.2)/(18 - 14) | -0.3 |
| 15.1 (8/16/2017) | 13.2 (6/29/2016) | (15.1 - 13.2)/(19 - 14) | 0.38 |
| 11.8 (10/25/2017) | 13.2 (6/29/2016) | (11.8 - 13.2)/(20 - 14) | -0.233333 |
| 8.33 (3/28/2018) | 13.2 (6/29/2016) | (8.33 - 13.2)/(21 - 14) | -0.695714 |
| 13.3 (6/29/2018) | 13.2 (6/29/2016) | (13.3 - 13.2)/(22 - 14) | 0.0125 |
| 12.8 (8/2/2018) | 13.2 (6/29/2016) | (12.8 - 13.2)/(23 - 14) | -0.0444444 |
| 16.7 (12/10/2018) | 13.2 (6/29/2016) | (16.7 - 13.2)/(24 - 14) | 0.35 |
| 11.7 (4/15/2019) | 13.2 (6/29/2016) | (11.7 - 13.2)/(25 - 14) | -0.136364 |
| 11 (6/12/2019) | 13.2 (6/29/2016) | (11 - 13.2)/(26 - 14) | -0.183333 |
| 7.1 (8/27/2019) | 13.2 (6/29/2016) | (7.1 - 13.2)/(27 - 14) | -0.469231 |
| 10.4 (10/29/2019) | 13.2 (6/29/2016) | (10.4 - 13.2)/(28 - 14) | -0.2 |
| 10.6 (3/30/2020) | 13.2 (6/29/2016) | (10.6 - 13.2)/(29 - 14) | -0.173333 |
| 9.67 (6/16/2020) | 13.2 (6/29/2016) | (9.67 - 13.2)/(30 - 14) | -0.220625 |
| 11 (9/21/2020) | 13.2 (6/29/2016) | (11 - 13.2)/(31 - 14) | -0.129412 |
| 10.1 (12/17/2020) | 13.2 (6/29/2016) | (10.1 - 13.2)/(32 - 14) | -0.172222 |
| 14.6 (3/18/2021) | 13.2 (6/29/2016) | (14.6 - 13.2)/(33 - 14) | 0.0736842 |
| 32.2 (5/5/2021) | 13.2 (6/29/2016) | (32.2 - 13.2)/(34 - 14) | 0.95 |
| 14.4 (9/2/2021) | 13.2 (6/29/2016) | (14.4 - 13.2)/(35 - 14) | 0.0571429 |
| 7.7 (11/23/2021) | 13.2 (6/29/2016) | (7.7 - 13.2)/(36 - 14) | -0.25 |
| 10.4 (1/11/2022) | 13.2 (6/29/2016) | (10.4 - 13.2)/(37 - 14) | -0.121739 |
| 15.6 (4/7/2022) | 13.2 (6/29/2016) | (15.6 - 13.2)/(38 - 14) | 0.1 |
| 7.8 (8/2/2022) | 13.2 (6/29/2016) | (7.8 - 13.2)/(39 - 14) | -0.216 |
| 8.3 (11/16/2022) | 13.2 (6/29/2016) | (8.3 - 13.2)/(40 - 14) | -0.188462 |
| 10.4 (2/14/2023) | 13.2 (6/29/2016) | (10.4 - 13.2)/(41 - 14) | -0.103704 |
| 9.8 (5/25/2023) | 13.2 (6/29/2016) | (9.8 - 13.2)/(42 - 14) | -0.121429 |
| 11.5 (8/7/2023) | 13.2 (6/29/2016) | (11.5 - 13.2)/(43 - 14) | -0.0586207 |
| 6.8 (12/12/2023) | 13.2 (6/29/2016) | (6.8 - 13.2)/(44 - 14) | -0.213333 |
| 20.4 (1/10/2024) | 13.2 (6/29/2016) | (20.4 - 13.2)/(45 - 14) | 0.232258 |
| 11 (5/21/2024) | 13.2 (6/29/2016) | (11 - 13.2)/(46 - 14) | -0.06875 |
| 12 (9/16/2024) | 13.2 (6/29/2016) | (12 - 13.2)/(47 - 14) | -0.0363636 |
| 23.3 (12/11/2024) | 13.2 (6/29/2016) | (23.3 - 13.2)/(48 - 14) | 0.297059 |
| 77.2 (2/18/2025) | 13.2 (6/29/2016) | (77.2 - 13.2)/(49 - 14) | 1.82857 |
| | | | |
| 8 (12/7/2016) | 12.6 (8/9/2016) | (8 - 12.6)/(16 - 15) | -4.6 |
| 16 (3/2/2017) | 12.6 (8/9/2016) | (16 - 12.6)/(17 - 15) | 1.7 |
| 12 (7/5/2017) | 12.6 (8/9/2016) | (12 - 12.6)/(18 - 15) | -0.2 |
| 15.1 (8/16/2017) | 12.6 (8/9/2016) | (15.1 - 12.6)/(19 - 15) | 0.625 |
| 11.8 (10/25/2017) | 12.6 (8/9/2016) | (11.8 - 12.6)/(20 - 15) | -0.16 |
| 8.33 (3/28/2018) | 12.6 (8/9/2016) | (8.33 - 12.6)/(21 - 15) | -0.711667 |
| 13.3 (6/29/2018) | 12.6 (8/9/2016) | (13.3 - 12.6)/(22 - 15) | 0.1 |
| 12.8 (8/2/2018) | 12.6 (8/9/2016) | (12.8 - 12.6)/(23 - 15) | 0.025 |
| 16.7 (12/10/2018) | 12.6 (8/9/2016) | (16.7 - 12.6)/(24 - 15) | 0.455556 |
| 11.7 (4/15/2019) | 12.6 (8/9/2016) | (11.7 - 12.6)/(25 - 15) | -0.09 |
| 11 (6/12/2019) | 12.6 (8/9/2016) | (11 - 12.6)/(26 - 15) | -0.145455 |
| 7.1 (8/27/2019) | 12.6 (8/9/2016) | (7.1 - 12.6)/(27 - 15) | -0.458333 |
| 10.4 (10/29/2019) | 12.6 (8/9/2016) | (10.4 - 12.6)/(28 - 15) | -0.169231 |
| 10.6 (3/30/2020) | 12.6 (8/9/2016) | (10.6 - 12.6)/(29 - 15) | -0.142857 |
| 9.67 (6/16/2020) | 12.6 (8/9/2016) | (9.67 - 12.6)/(30 - 15) | -0.195333 |
| 11 (9/21/2020) | 12.6 (8/9/2016) | (11 - 12.6)/(31 - 15) | -0.1 |
| 10.1 (12/17/2020) | 12.6 (8/9/2016) | (10.1 - 12.6)/(32 - 15) | -0.147059 |
| 14.6 (3/18/2021) | 12.6 (8/9/2016) | (14.6 - 12.6)/(33 - 15) | 0.111111 |
| 32.2 (5/5/2021) | 12.6 (8/9/2016) | (32.2 - 12.6)/(34 - 15) | 1.03158 |
| 14.4 (9/2/2021) | 12.6 (8/9/2016) | (14.4 - 12.6)/(35 - 15) | 0.09 |
| 7.7 (11/23/2021) | 12.6 (8/9/2016) | (7.7 - 12.6)/(36 - 15) | -0.233333 |
| 10.4 (1/11/2022) | 12.6 (8/9/2016) | (10.4 - 12.6)/(37 - 15) | -0.1 |
| 15.6 (4/7/2022) | 12.6 (8/9/2016) | (15.6 - 12.6)/(38 - 15) | 0.130435 |

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| 7.8 (8/2/2022) | 12.6 (8/9/2016) | (7.8 - 12.6)/(39 - 15) | -0.2 |
| 8.3 (11/16/2022) | 12.6 (8/9/2016) | (8.3 - 12.6)/(40 - 15) | -0.172 |
| 10.4 (2/14/2023) | 12.6 (8/9/2016) | (10.4 - 12.6)/(41 - 15) | -0.0846154 |
| 9.8 (5/25/2023) | 12.6 (8/9/2016) | (9.8 - 12.6)/(42 - 15) | -0.103704 |
| 11.5 (8/7/2023) | 12.6 (8/9/2016) | (11.5 - 12.6)/(43 - 15) | -0.0392857 |
| 6.8 (12/12/2023) | 12.6 (8/9/2016) | (6.8 - 12.6)/(44 - 15) | -0.2 |
| 20.4 (1/10/2024) | 12.6 (8/9/2016) | (20.4 - 12.6)/(45 - 15) | 0.26 |
| 11 (5/21/2024) | 12.6 (8/9/2016) | (11 - 12.6)/(46 - 15) | -0.0516129 |
| 12 (9/16/2024) | 12.6 (8/9/2016) | (12 - 12.6)/(47 - 15) | -0.01875 |
| 23.3 (12/11/2024) | 12.6 (8/9/2016) | (23.3 - 12.6)/(48 - 15) | 0.324242 |
| 77.2 (2/18/2025) | 12.6 (8/9/2016) | (77.2 - 12.6)/(49 - 15) | 1.9 |
| | | | |
| 16 (3/2/2017) | 8 (12/7/2016) | (16 - 8)/(17 - 16) | 8 |
| 12 (7/5/2017) | 8 (12/7/2016) | (12 - 8)/(18 - 16) | 2 |
| 15.1 (8/16/2017) | 8 (12/7/2016) | (15.1 - 8)/(19 - 16) | 2.36667 |
| 11.8 (10/25/2017) | 8 (12/7/2016) | (11.8 - 8)/(20 - 16) | 0.95 |
| 8.33 (3/28/2018) | 8 (12/7/2016) | (8.33 - 8)/(21 - 16) | 0.066 |
| 13.3 (6/29/2018) | 8 (12/7/2016) | (13.3 - 8)/(22 - 16) | 0.883333 |
| 12.8 (8/2/2018) | 8 (12/7/2016) | (12.8 - 8)/(23 - 16) | 0.685714 |
| 16.7 (12/10/2018) | 8 (12/7/2016) | (16.7 - 8)/(24 - 16) | 1.0875 |
| 11.7 (4/15/2019) | 8 (12/7/2016) | (11.7 - 8)/(25 - 16) | 0.411111 |
| 11 (6/12/2019) | 8 (12/7/2016) | (11 - 8)/(26 - 16) | 0.3 |
| 7.1 (8/27/2019) | 8 (12/7/2016) | (7.1 - 8)/(27 - 16) | -0.0818182 |
| 10.4 (10/29/2019) | 8 (12/7/2016) | (10.4 - 8)/(28 - 16) | 0.2 |
| 10.6 (3/30/2020) | 8 (12/7/2016) | (10.6 - 8)/(29 - 16) | 0.2 |
| 9.67 (6/16/2020) | 8 (12/7/2016) | (9.67 - 8)/(30 - 16) | 0.119286 |
| 11 (9/21/2020) | 8 (12/7/2016) | (11 - 8)/(31 - 16) | 0.2 |
| 10.1 (12/17/2020) | 8 (12/7/2016) | (10.1 - 8)/(32 - 16) | 0.13125 |
| 14.6 (3/18/2021) | 8 (12/7/2016) | (14.6 - 8)/(33 - 16) | 0.388235 |
| 32.2 (5/5/2021) | 8 (12/7/2016) | (32.2 - 8)/(34 - 16) | 1.34444 |
| 14.4 (9/2/2021) | 8 (12/7/2016) | (14.4 - 8)/(35 - 16) | 0.336842 |
| 7.7 (11/23/2021) | 8 (12/7/2016) | (7.7 - 8)/(36 - 16) | -0.015 |
| 10.4 (1/11/2022) | 8 (12/7/2016) | (10.4 - 8)/(37 - 16) | 0.114286 |
| 15.6 (4/7/2022) | 8 (12/7/2016) | (15.6 - 8)/(38 - 16) | 0.345455 |
| 7.8 (8/2/2022) | 8 (12/7/2016) | (7.8 - 8)/(39 - 16) | -0.00869565 |
| 8.3 (11/16/2022) | 8 (12/7/2016) | (8.3 - 8)/(40 - 16) | 0.0125 |
| 10.4 (2/14/2023) | 8 (12/7/2016) | (10.4 - 8)/(41 - 16) | 0.096 |
| 9.8 (5/25/2023) | 8 (12/7/2016) | (9.8 - 8)/(42 - 16) | 0.0692308 |
| 11.5 (8/7/2023) | 8 (12/7/2016) | (11.5 - 8)/(43 - 16) | 0.12963 |
| 6.8 (12/12/2023) | 8 (12/7/2016) | (6.8 - 8)/(44 - 16) | -0.0428571 |
| 20.4 (1/10/2024) | 8 (12/7/2016) | (20.4 - 8)/(45 - 16) | 0.427586 |
| 11 (5/21/2024) | 8 (12/7/2016) | (11 - 8)/(46 - 16) | 0.1 |
| 12 (9/16/2024) | 8 (12/7/2016) | (12 - 8)/(47 - 16) | 0.129032 |
| 23.3 (12/11/2024) | 8 (12/7/2016) | (23.3 - 8)/(48 - 16) | 0.478125 |
| 77.2 (2/18/2025) | 8 (12/7/2016) | (77.2 - 8)/(49 - 16) | 2.09697 |
| | | | |
| 12 (7/5/2017) | 16 (3/2/2017) | (12 - 16)/(18 - 17) | -4 |
| 15.1 (8/16/2017) | 16 (3/2/2017) | (15.1 - 16)/(19 - 17) | -0.45 |
| 11.8 (10/25/2017) | 16 (3/2/2017) | (11.8 - 16)/(20 - 17) | -1.4 |
| 8.33 (3/28/2018) | 16 (3/2/2017) | (8.33 - 16)/(21 - 17) | -1.9175 |
| 13.3 (6/29/2018) | 16 (3/2/2017) | (13.3 - 16)/(22 - 17) | -0.54 |
| 12.8 (8/2/2018) | 16 (3/2/2017) | (12.8 - 16)/(23 - 17) | -0.533333 |
| 16.7 (12/10/2018) | 16 (3/2/2017) | (16.7 - 16)/(24 - 17) | 0.1 |
| 11.7 (4/15/2019) | 16 (3/2/2017) | (11.7 - 16)/(25 - 17) | -0.5375 |
| 11 (6/12/2019) | 16 (3/2/2017) | (11 - 16)/(26 - 17) | -0.555556 |
| 7.1 (8/27/2019) | 16 (3/2/2017) | (7.1 - 16)/(27 - 17) | -0.89 |
| 10.4 (10/29/2019) | 16 (3/2/2017) | (10.4 - 16)/(28 - 17) | -0.509091 |

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| 10.6 (3/30/2020) | 16 (3/2/2017) | (10.6 - 16)/(29 - 17) | -0.45 |
| 9.67 (6/16/2020) | 16 (3/2/2017) | (9.67 - 16)/(30 - 17) | -0.486923 |
| 11 (9/21/2020) | 16 (3/2/2017) | (11 - 16)/(31 - 17) | -0.357143 |
| 10.1 (12/17/2020) | 16 (3/2/2017) | (10.1 - 16)/(32 - 17) | -0.393333 |
| 14.6 (3/18/2021) | 16 (3/2/2017) | (14.6 - 16)/(33 - 17) | -0.0875 |
| 32.2 (5/5/2021) | 16 (3/2/2017) | (32.2 - 16)/(34 - 17) | 0.952941 |
| 14.4 (9/2/2021) | 16 (3/2/2017) | (14.4 - 16)/(35 - 17) | -0.0888889 |
| 7.7 (11/23/2021) | 16 (3/2/2017) | (7.7 - 16)/(36 - 17) | -0.436842 |
| 10.4 (1/11/2022) | 16 (3/2/2017) | (10.4 - 16)/(37 - 17) | -0.28 |
| 15.6 (4/7/2022) | 16 (3/2/2017) | (15.6 - 16)/(38 - 17) | -0.0190476 |
| 7.8 (8/2/2022) | 16 (3/2/2017) | (7.8 - 16)/(39 - 17) | -0.372727 |
| 8.3 (11/16/2022) | 16 (3/2/2017) | (8.3 - 16)/(40 - 17) | -0.334783 |
| 10.4 (2/14/2023) | 16 (3/2/2017) | (10.4 - 16)/(41 - 17) | -0.233333 |
| 9.8 (5/25/2023) | 16 (3/2/2017) | (9.8 - 16)/(42 - 17) | -0.248 |
| 11.5 (8/7/2023) | 16 (3/2/2017) | (11.5 - 16)/(43 - 17) | -0.173077 |
| 6.8 (12/12/2023) | 16 (3/2/2017) | (6.8 - 16)/(44 - 17) | -0.340741 |
| 20.4 (1/10/2024) | 16 (3/2/2017) | (20.4 - 16)/(45 - 17) | 0.157143 |
| 11 (5/21/2024) | 16 (3/2/2017) | (11 - 16)/(46 - 17) | -0.172414 |
| 12 (9/16/2024) | 16 (3/2/2017) | (12 - 16)/(47 - 17) | -0.133333 |
| 23.3 (12/11/2024) | 16 (3/2/2017) | (23.3 - 16)/(48 - 17) | 0.235484 |
| 77.2 (2/18/2025) | 16 (3/2/2017) | (77.2 - 16)/(49 - 17) | 1.9125 |
| | | | |
| 15.1 (8/16/2017) | 12 (7/5/2017) | (15.1 - 12)/(19 - 18) | 3.1 |
| 11.8 (10/25/2017) | 12 (7/5/2017) | (11.8 - 12)/(20 - 18) | -0.1 |
| 8.33 (3/28/2018) | 12 (7/5/2017) | (8.33 - 12)/(21 - 18) | -1.22333 |
| 13.3 (6/29/2018) | 12 (7/5/2017) | (13.3 - 12)/(22 - 18) | 0.325 |
| 12.8 (8/2/2018) | 12 (7/5/2017) | (12.8 - 12)/(23 - 18) | 0.16 |
| 16.7 (12/10/2018) | 12 (7/5/2017) | (16.7 - 12)/(24 - 18) | 0.783333 |
| 11.7 (4/15/2019) | 12 (7/5/2017) | (11.7 - 12)/(25 - 18) | -0.0428571 |
| 11 (6/12/2019) | 12 (7/5/2017) | (11 - 12)/(26 - 18) | -0.125 |
| 7.1 (8/27/2019) | 12 (7/5/2017) | (7.1 - 12)/(27 - 18) | -0.544444 |
| 10.4 (10/29/2019) | 12 (7/5/2017) | (10.4 - 12)/(28 - 18) | -0.16 |
| 10.6 (3/30/2020) | 12 (7/5/2017) | (10.6 - 12)/(29 - 18) | -0.127273 |
| 9.67 (6/16/2020) | 12 (7/5/2017) | (9.67 - 12)/(30 - 18) | -0.194167 |
| 11 (9/21/2020) | 12 (7/5/2017) | (11 - 12)/(31 - 18) | -0.0769231 |
| 10.1 (12/17/2020) | 12 (7/5/2017) | (10.1 - 12)/(32 - 18) | -0.135714 |
| 14.6 (3/18/2021) | 12 (7/5/2017) | (14.6 - 12)/(33 - 18) | 0.173333 |
| 32.2 (5/5/2021) | 12 (7/5/2017) | (32.2 - 12)/(34 - 18) | 1.2625 |
| 14.4 (9/2/2021) | 12 (7/5/2017) | (14.4 - 12)/(35 - 18) | 0.141176 |
| 7.7 (11/23/2021) | 12 (7/5/2017) | (7.7 - 12)/(36 - 18) | -0.238889 |
| 10.4 (1/11/2022) | 12 (7/5/2017) | (10.4 - 12)/(37 - 18) | -0.0842105 |
| 15.6 (4/7/2022) | 12 (7/5/2017) | (15.6 - 12)/(38 - 18) | 0.18 |
| 7.8 (8/2/2022) | 12 (7/5/2017) | (7.8 - 12)/(39 - 18) | -0.2 |
| 8.3 (11/16/2022) | 12 (7/5/2017) | (8.3 - 12)/(40 - 18) | -0.168182 |
| 10.4 (2/14/2023) | 12 (7/5/2017) | (10.4 - 12)/(41 - 18) | -0.0695652 |
| 9.8 (5/25/2023) | 12 (7/5/2017) | (9.8 - 12)/(42 - 18) | -0.0916667 |
| 11.5 (8/7/2023) | 12 (7/5/2017) | (11.5 - 12)/(43 - 18) | -0.02 |
| 6.8 (12/12/2023) | 12 (7/5/2017) | (6.8 - 12)/(44 - 18) | -0.2 |
| 20.4 (1/10/2024) | 12 (7/5/2017) | (20.4 - 12)/(45 - 18) | 0.311111 |
| 11 (5/21/2024) | 12 (7/5/2017) | (11 - 12)/(46 - 18) | -0.0357143 |
| 12 (9/16/2024) | 12 (7/5/2017) | (12 - 12)/(47 - 18) | 0 |
| 23.3 (12/11/2024) | 12 (7/5/2017) | (23.3 - 12)/(48 - 18) | 0.376667 |
| 77.2 (2/18/2025) | 12 (7/5/2017) | (77.2 - 12)/(49 - 18) | 2.10323 |
| | | | |
| 11.8 (10/25/2017) | 15.1 (8/16/2017) | (11.8 - 15.1)/(20 - 19) | -3.3 |
| 8.33 (3/28/2018) | 15.1 (8/16/2017) | (8.33 - 15.1)/(21 - 19) | -3.385 |
| 13.3 (6/29/2018) | 15.1 (8/16/2017) | (13.3 - 15.1)/(22 - 19) | -0.6 |

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|---|---|---|---|
| 12.8 (8/2/2018) | 15.1 (8/16/2017) | (12.8 - 15.1)/(23 - 19) | -0.575 |
| 16.7 (12/10/2018) | 15.1 (8/16/2017) | (16.7 - 15.1)/(24 - 19) | 0.32 |
| 11.7 (4/15/2019) | 15.1 (8/16/2017) | (11.7 - 15.1)/(25 - 19) | -0.566667 |
| 11 (6/12/2019) | 15.1 (8/16/2017) | (11 - 15.1)/(26 - 19) | -0.585714 |
| 7.1 (8/27/2019) | 15.1 (8/16/2017) | (7.1 - 15.1)/(27 - 19) | -1 |
| 10.4 (10/29/2019) | 15.1 (8/16/2017) | (10.4 - 15.1)/(28 - 19) | -0.522222 |
| 10.6 (3/30/2020) | 15.1 (8/16/2017) | (10.6 - 15.1)/(29 - 19) | -0.45 |
| 9.67 (6/16/2020) | 15.1 (8/16/2017) | (9.67 - 15.1)/(30 - 19) | -0.493636 |
| 11 (9/21/2020) | 15.1 (8/16/2017) | (11 - 15.1)/(31 - 19) | -0.341667 |
| 10.1 (12/17/2020) | 15.1 (8/16/2017) | (10.1 - 15.1)/(32 - 19) | -0.384615 |
| 14.6 (3/18/2021) | 15.1 (8/16/2017) | (14.6 - 15.1)/(33 - 19) | -0.0357143 |
| 32.2 (5/5/2021) | 15.1 (8/16/2017) | (32.2 - 15.1)/(34 - 19) | 1.14 |
| 14.4 (9/2/2021) | 15.1 (8/16/2017) | (14.4 - 15.1)/(35 - 19) | -0.04375 |
| 7.7 (11/23/2021) | 15.1 (8/16/2017) | (7.7 - 15.1)/(36 - 19) | -0.435294 |
| 10.4 (1/11/2022) | 15.1 (8/16/2017) | (10.4 - 15.1)/(37 - 19) | -0.261111 |
| 15.6 (4/7/2022) | 15.1 (8/16/2017) | (15.6 - 15.1)/(38 - 19) | 0.0263158 |
| 7.8 (8/2/2022) | 15.1 (8/16/2017) | (7.8 - 15.1)/(39 - 19) | -0.365 |
| 8.3 (11/16/2022) | 15.1 (8/16/2017) | (8.3 - 15.1)/(40 - 19) | -0.32381 |
| 10.4 (2/14/2023) | 15.1 (8/16/2017) | (10.4 - 15.1)/(41 - 19) | -0.213636 |
| 9.8 (5/25/2023) | 15.1 (8/16/2017) | (9.8 - 15.1)/(42 - 19) | -0.230435 |
| 11.5 (8/7/2023) | 15.1 (8/16/2017) | (11.5 - 15.1)/(43 - 19) | -0.15 |
| 6.8 (12/12/2023) | 15.1 (8/16/2017) | (6.8 - 15.1)/(44 - 19) | -0.332 |
| 20.4 (1/10/2024) | 15.1 (8/16/2017) | (20.4 - 15.1)/(45 - 19) | 0.203846 |
| 11 (5/21/2024) | 15.1 (8/16/2017) | (11 - 15.1)/(46 - 19) | -0.151852 |
| 12 (9/16/2024) | 15.1 (8/16/2017) | (12 - 15.1)/(47 - 19) | -0.110714 |
| 23.3 (12/11/2024) | 15.1 (8/16/2017) | (23.3 - 15.1)/(48 - 19) | 0.282759 |
| 77.2 (2/18/2025) | 15.1 (8/16/2017) | (77.2 - 15.1)/(49 - 19) | 2.07 |
| | | | |
| 8.33 (3/28/2018) | 11.8 (10/25/2017) | (8.33 - 11.8)/(21 - 20) | -3.47 |
| 13.3 (6/29/2018) | 11.8 (10/25/2017) | (13.3 - 11.8)/(22 - 20) | 0.75 |
| 12.8 (8/2/2018) | 11.8 (10/25/2017) | (12.8 - 11.8)/(23 - 20) | 0.333333 |
| 16.7 (12/10/2018) | 11.8 (10/25/2017) | (16.7 - 11.8)/(24 - 20) | 1.225 |
| 11.7 (4/15/2019) | 11.8 (10/25/2017) | (11.7 - 11.8)/(25 - 20) | -0.02 |
| 11 (6/12/2019) | 11.8 (10/25/2017) | (11 - 11.8)/(26 - 20) | -0.133333 |
| 7.1 (8/27/2019) | 11.8 (10/25/2017) | (7.1 - 11.8)/(27 - 20) | -0.671429 |
| 10.4 (10/29/2019) | 11.8 (10/25/2017) | (10.4 - 11.8)/(28 - 20) | -0.175 |
| 10.6 (3/30/2020) | 11.8 (10/25/2017) | (10.6 - 11.8)/(29 - 20) | -0.133333 |
| 9.67 (6/16/2020) | 11.8 (10/25/2017) | (9.67 - 11.8)/(30 - 20) | -0.213 |
| 11 (9/21/2020) | 11.8 (10/25/2017) | (11 - 11.8)/(31 - 20) | -0.0727273 |
| 10.1 (12/17/2020) | 11.8 (10/25/2017) | (10.1 - 11.8)/(32 - 20) | -0.141667 |
| 14.6 (3/18/2021) | 11.8 (10/25/2017) | (14.6 - 11.8)/(33 - 20) | 0.215385 |
| 32.2 (5/5/2021) | 11.8 (10/25/2017) | (32.2 - 11.8)/(34 - 20) | 1.45714 |
| 14.4 (9/2/2021) | 11.8 (10/25/2017) | (14.4 - 11.8)/(35 - 20) | 0.173333 |
| 7.7 (11/23/2021) | 11.8 (10/25/2017) | (7.7 - 11.8)/(36 - 20) | -0.25625 |
| 10.4 (1/11/2022) | 11.8 (10/25/2017) | (10.4 - 11.8)/(37 - 20) | -0.0823529 |
| 15.6 (4/7/2022) | 11.8 (10/25/2017) | (15.6 - 11.8)/(38 - 20) | 0.211111 |
| 7.8 (8/2/2022) | 11.8 (10/25/2017) | (7.8 - 11.8)/(39 - 20) | -0.210526 |
| 8.3 (11/16/2022) | 11.8 (10/25/2017) | (8.3 - 11.8)/(40 - 20) | -0.175 |
| 10.4 (2/14/2023) | 11.8 (10/25/2017) | (10.4 - 11.8)/(41 - 20) | -0.0666667 |
| 9.8 (5/25/2023) | 11.8 (10/25/2017) | (9.8 - 11.8)/(42 - 20) | -0.0909091 |
| 11.5 (8/7/2023) | 11.8 (10/25/2017) | (11.5 - 11.8)/(43 - 20) | -0.0130435 |
| 6.8 (12/12/2023) | 11.8 (10/25/2017) | (6.8 - 11.8)/(44 - 20) | -0.208333 |
| 20.4 (1/10/2024) | 11.8 (10/25/2017) | (20.4 - 11.8)/(45 - 20) | 0.344 |
| 11 (5/21/2024) | 11.8 (10/25/2017) | (11 - 11.8)/(46 - 20) | -0.0307692 |
| 12 (9/16/2024) | 11.8 (10/25/2017) | (12 - 11.8)/(47 - 20) | 0.00740741 |
| 23.3 (12/11/2024) | 11.8 (10/25/2017) | (23.3 - 11.8)/(48 - 20) | 0.410714 |
| 77.2 (2/18/2025) | 11.8 (10/25/2017) | (77.2 - 11.8)/(49 - 20) | 2.25517 |

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| 13.3 (6/29/2018) | 8.33 (3/28/2018) | (13.3 - 8.33)/(22 - 21) | 4.97 |
| 12.8 (8/2/2018) | 8.33 (3/28/2018) | (12.8 - 8.33)/(23 - 21) | 2.235 |
| 16.7 (12/10/2018) | 8.33 (3/28/2018) | (16.7 - 8.33)/(24 - 21) | 2.79 |
| 11.7 (4/15/2019) | 8.33 (3/28/2018) | (11.7 - 8.33)/(25 - 21) | 0.8425 |
| 11 (6/12/2019) | 8.33 (3/28/2018) | (11 - 8.33)/(26 - 21) | 0.534 |
| 7.1 (8/27/2019) | 8.33 (3/28/2018) | (7.1 - 8.33)/(27 - 21) | -0.205 |
| 10.4 (10/29/2019) | 8.33 (3/28/2018) | (10.4 - 8.33)/(28 - 21) | 0.295714 |
| 10.6 (3/30/2020) | 8.33 (3/28/2018) | (10.6 - 8.33)/(29 - 21) | 0.28375 |
| 9.67 (6/16/2020) | 8.33 (3/28/2018) | (9.67 - 8.33)/(30 - 21) | 0.148889 |
| 11 (9/21/2020) | 8.33 (3/28/2018) | (11 - 8.33)/(31 - 21) | 0.267 |
| 10.1 (12/17/2020) | 8.33 (3/28/2018) | (10.1 - 8.33)/(32 - 21) | 0.160909 |
| 14.6 (3/18/2021) | 8.33 (3/28/2018) | (14.6 - 8.33)/(33 - 21) | 0.5225 |
| 32.2 (5/5/2021) | 8.33 (3/28/2018) | (32.2 - 8.33)/(34 - 21) | 1.83615 |
| 14.4 (9/2/2021) | 8.33 (3/28/2018) | (14.4 - 8.33)/(35 - 21) | 0.433571 |
| 7.7 (11/23/2021) | 8.33 (3/28/2018) | (7.7 - 8.33)/(36 - 21) | -0.042 |
| 10.4 (1/11/2022) | 8.33 (3/28/2018) | (10.4 - 8.33)/(37 - 21) | 0.129375 |
| 15.6 (4/7/2022) | 8.33 (3/28/2018) | (15.6 - 8.33)/(38 - 21) | 0.427647 |
| 7.8 (8/2/2022) | 8.33 (3/28/2018) | (7.8 - 8.33)/(39 - 21) | -0.0294444 |
| 8.3 (11/16/2022) | 8.33 (3/28/2018) | (8.3 - 8.33)/(40 - 21) | -0.00157895 |
| 10.4 (2/14/2023) | 8.33 (3/28/2018) | (10.4 - 8.33)/(41 - 21) | 0.1035 |
| 9.8 (5/25/2023) | 8.33 (3/28/2018) | (9.8 - 8.33)/(42 - 21) | 0.07 |
| 11.5 (8/7/2023) | 8.33 (3/28/2018) | (11.5 - 8.33)/(43 - 21) | 0.144091 |
| 6.8 (12/12/2023) | 8.33 (3/28/2018) | (6.8 - 8.33)/(44 - 21) | -0.0665217 |
| 20.4 (1/10/2024) | 8.33 (3/28/2018) | (20.4 - 8.33)/(45 - 21) | 0.502917 |
| 11 (5/21/2024) | 8.33 (3/28/2018) | (11 - 8.33)/(46 - 21) | 0.1068 |
| 12 (9/16/2024) | 8.33 (3/28/2018) | (12 - 8.33)/(47 - 21) | 0.141154 |
| 23.3 (12/11/2024) | 8.33 (3/28/2018) | (23.3 - 8.33)/(48 - 21) | 0.554444 |
| 77.2 (2/18/2025) | 8.33 (3/28/2018) | (77.2 - 8.33)/(49 - 21) | 2.45964 |
| | | | |
| 12.8 (8/2/2018) | 13.3 (6/29/2018) | (12.8 - 13.3)/(23 - 22) | -0.5 |
| 16.7 (12/10/2018) | 13.3 (6/29/2018) | (16.7 - 13.3)/(24 - 22) | 1.7 |
| 11.7 (4/15/2019) | 13.3 (6/29/2018) | (11.7 - 13.3)/(25 - 22) | -0.533333 |
| 11 (6/12/2019) | 13.3 (6/29/2018) | (11 - 13.3)/(26 - 22) | -0.575 |
| 7.1 (8/27/2019) | 13.3 (6/29/2018) | (7.1 - 13.3)/(27 - 22) | -1.24 |
| 10.4 (10/29/2019) | 13.3 (6/29/2018) | (10.4 - 13.3)/(28 - 22) | -0.483333 |
| 10.6 (3/30/2020) | 13.3 (6/29/2018) | (10.6 - 13.3)/(29 - 22) | -0.385714 |
| 9.67 (6/16/2020) | 13.3 (6/29/2018) | (9.67 - 13.3)/(30 - 22) | -0.45375 |
| 11 (9/21/2020) | 13.3 (6/29/2018) | (11 - 13.3)/(31 - 22) | -0.255556 |
| 10.1 (12/17/2020) | 13.3 (6/29/2018) | (10.1 - 13.3)/(32 - 22) | -0.32 |
| 14.6 (3/18/2021) | 13.3 (6/29/2018) | (14.6 - 13.3)/(33 - 22) | 0.118182 |
| 32.2 (5/5/2021) | 13.3 (6/29/2018) | (32.2 - 13.3)/(34 - 22) | 1.575 |
| 14.4 (9/2/2021) | 13.3 (6/29/2018) | (14.4 - 13.3)/(35 - 22) | 0.0846154 |
| 7.7 (11/23/2021) | 13.3 (6/29/2018) | (7.7 - 13.3)/(36 - 22) | -0.4 |
| 10.4 (1/11/2022) | 13.3 (6/29/2018) | (10.4 - 13.3)/(37 - 22) | -0.193333 |
| 15.6 (4/7/2022) | 13.3 (6/29/2018) | (15.6 - 13.3)/(38 - 22) | 0.14375 |
| 7.8 (8/2/2022) | 13.3 (6/29/2018) | (7.8 - 13.3)/(39 - 22) | -0.323529 |
| 8.3 (11/16/2022) | 13.3 (6/29/2018) | (8.3 - 13.3)/(40 - 22) | -0.277778 |
| 10.4 (2/14/2023) | 13.3 (6/29/2018) | (10.4 - 13.3)/(41 - 22) | -0.152632 |
| 9.8 (5/25/2023) | 13.3 (6/29/2018) | (9.8 - 13.3)/(42 - 22) | -0.175 |
| 11.5 (8/7/2023) | 13.3 (6/29/2018) | (11.5 - 13.3)/(43 - 22) | -0.0857143 |
| 6.8 (12/12/2023) | 13.3 (6/29/2018) | (6.8 - 13.3)/(44 - 22) | -0.295455 |
| 20.4 (1/10/2024) | 13.3 (6/29/2018) | (20.4 - 13.3)/(45 - 22) | 0.308696 |
| 11 (5/21/2024) | 13.3 (6/29/2018) | (11 - 13.3)/(46 - 22) | -0.0958333 |
| 12 (9/16/2024) | 13.3 (6/29/2018) | (12 - 13.3)/(47 - 22) | -0.052 |
| 23.3 (12/11/2024) | 13.3 (6/29/2018) | (23.3 - 13.3)/(48 - 22) | 0.384615 |
| 77.2 (2/18/2025) | 13.3 (6/29/2018) | (77.2 - 13.3)/(49 - 22) | 2.36667 |

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|---|---|---|---|
| 16.7 (12/10/2018) | 12.8 (8/2/2018) | (16.7 - 12.8)/(24 - 23) | 3.9 |
| 11.7 (4/15/2019) | 12.8 (8/2/2018) | (11.7 - 12.8)/(25 - 23) | -0.55 |
| 11 (6/12/2019) | 12.8 (8/2/2018) | (11 - 12.8)/(26 - 23) | -0.6 |
| 7.1 (8/27/2019) | 12.8 (8/2/2018) | (7.1 - 12.8)/(27 - 23) | -1.425 |
| 10.4 (10/29/2019) | 12.8 (8/2/2018) | (10.4 - 12.8)/(28 - 23) | -0.48 |
| 10.6 (3/30/2020) | 12.8 (8/2/2018) | (10.6 - 12.8)/(29 - 23) | -0.366667 |
| 9.67 (6/16/2020) | 12.8 (8/2/2018) | (9.67 - 12.8)/(30 - 23) | -0.447143 |
| 11 (9/21/2020) | 12.8 (8/2/2018) | (11 - 12.8)/(31 - 23) | -0.225 |
| 10.1 (12/17/2020) | 12.8 (8/2/2018) | (10.1 - 12.8)/(32 - 23) | -0.3 |
| 14.6 (3/18/2021) | 12.8 (8/2/2018) | (14.6 - 12.8)/(33 - 23) | 0.18 |
| 32.2 (5/5/2021) | 12.8 (8/2/2018) | (32.2 - 12.8)/(34 - 23) | 1.76364 |
| 14.4 (9/2/2021) | 12.8 (8/2/2018) | (14.4 - 12.8)/(35 - 23) | 0.133333 |
| 7.7 (11/23/2021) | 12.8 (8/2/2018) | (7.7 - 12.8)/(36 - 23) | -0.392308 |
| 10.4 (1/11/2022) | 12.8 (8/2/2018) | (10.4 - 12.8)/(37 - 23) | -0.171429 |
| 15.6 (4/7/2022) | 12.8 (8/2/2018) | (15.6 - 12.8)/(38 - 23) | 0.186667 |
| 7.8 (8/2/2022) | 12.8 (8/2/2018) | (7.8 - 12.8)/(39 - 23) | -0.3125 |
| 8.3 (11/16/2022) | 12.8 (8/2/2018) | (8.3 - 12.8)/(40 - 23) | -0.264706 |
| 10.4 (2/14/2023) | 12.8 (8/2/2018) | (10.4 - 12.8)/(41 - 23) | -0.133333 |
| 9.8 (5/25/2023) | 12.8 (8/2/2018) | (9.8 - 12.8)/(42 - 23) | -0.157895 |
| 11.5 (8/7/2023) | 12.8 (8/2/2018) | (11.5 - 12.8)/(43 - 23) | -0.065 |
| 6.8 (12/12/2023) | 12.8 (8/2/2018) | (6.8 - 12.8)/(44 - 23) | -0.285714 |
| 20.4 (1/10/2024) | 12.8 (8/2/2018) | (20.4 - 12.8)/(45 - 23) | 0.345455 |
| 11 (5/21/2024) | 12.8 (8/2/2018) | (11 - 12.8)/(46 - 23) | -0.0782609 |
| 12 (9/16/2024) | 12.8 (8/2/2018) | (12 - 12.8)/(47 - 23) | -0.0333333 |
| 23.3 (12/11/2024) | 12.8 (8/2/2018) | (23.3 - 12.8)/(48 - 23) | 0.42 |
| 77.2 (2/18/2025) | 12.8 (8/2/2018) | (77.2 - 12.8)/(49 - 23) | 2.47692 |
| | | | |
| 11.7 (4/15/2019) | 16.7 (12/10/2018) | (11.7 - 16.7)/(25 - 24) | -5 |
| 11 (6/12/2019) | 16.7 (12/10/2018) | (11 - 16.7)/(26 - 24) | -2.85 |
| 7.1 (8/27/2019) | 16.7 (12/10/2018) | (7.1 - 16.7)/(27 - 24) | -3.2 |
| 10.4 (10/29/2019) | 16.7 (12/10/2018) | (10.4 - 16.7)/(28 - 24) | -1.575 |
| 10.6 (3/30/2020) | 16.7 (12/10/2018) | (10.6 - 16.7)/(29 - 24) | -1.22 |
| 9.67 (6/16/2020) | 16.7 (12/10/2018) | (9.67 - 16.7)/(30 - 24) | -1.17167 |
| 11 (9/21/2020) | 16.7 (12/10/2018) | (11 - 16.7)/(31 - 24) | -0.814286 |
| 10.1 (12/17/2020) | 16.7 (12/10/2018) | (10.1 - 16.7)/(32 - 24) | -0.825 |
| 14.6 (3/18/2021) | 16.7 (12/10/2018) | (14.6 - 16.7)/(33 - 24) | -0.233333 |
| 32.2 (5/5/2021) | 16.7 (12/10/2018) | (32.2 - 16.7)/(34 - 24) | 1.55 |
| 14.4 (9/2/2021) | 16.7 (12/10/2018) | (14.4 - 16.7)/(35 - 24) | -0.209091 |
| 7.7 (11/23/2021) | 16.7 (12/10/2018) | (7.7 - 16.7)/(36 - 24) | -0.75 |
| 10.4 (1/11/2022) | 16.7 (12/10/2018) | (10.4 - 16.7)/(37 - 24) | -0.484615 |
| 15.6 (4/7/2022) | 16.7 (12/10/2018) | (15.6 - 16.7)/(38 - 24) | -0.0785714 |
| 7.8 (8/2/2022) | 16.7 (12/10/2018) | (7.8 - 16.7)/(39 - 24) | -0.593333 |
| 8.3 (11/16/2022) | 16.7 (12/10/2018) | (8.3 - 16.7)/(40 - 24) | -0.525 |
| 10.4 (2/14/2023) | 16.7 (12/10/2018) | (10.4 - 16.7)/(41 - 24) | -0.370588 |
| 9.8 (5/25/2023) | 16.7 (12/10/2018) | (9.8 - 16.7)/(42 - 24) | -0.383333 |
| 11.5 (8/7/2023) | 16.7 (12/10/2018) | (11.5 - 16.7)/(43 - 24) | -0.273684 |
| 6.8 (12/12/2023) | 16.7 (12/10/2018) | (6.8 - 16.7)/(44 - 24) | -0.495 |
| 20.4 (1/10/2024) | 16.7 (12/10/2018) | (20.4 - 16.7)/(45 - 24) | 0.17619 |
| 11 (5/21/2024) | 16.7 (12/10/2018) | (11 - 16.7)/(46 - 24) | -0.259091 |
| 12 (9/16/2024) | 16.7 (12/10/2018) | (12 - 16.7)/(47 - 24) | -0.204348 |
| 23.3 (12/11/2024) | 16.7 (12/10/2018) | (23.3 - 16.7)/(48 - 24) | 0.275 |
| 77.2 (2/18/2025) | 16.7 (12/10/2018) | (77.2 - 16.7)/(49 - 24) | 2.42 |
| | | | |
| 11 (6/12/2019) | 11.7 (4/15/2019) | (11 - 11.7)/(26 - 25) | -0.7 |
| 7.1 (8/27/2019) | 11.7 (4/15/2019) | (7.1 - 11.7)/(27 - 25) | -2.3 |
| 10.4 (10/29/2019) | 11.7 (4/15/2019) | (10.4 - 11.7)/(28 - 25) | -0.433333 |

| | | | |
|---|---|---|---|
| 10.6 (3/30/2020) | 11.7 (4/15/2019) | (10.6 - 11.7)/(29 - 25) | -0.275 |
| 9.67 (6/16/2020) | 11.7 (4/15/2019) | (9.67 - 11.7)/(30 - 25) | -0.406 |
| 11 (9/21/2020) | 11.7 (4/15/2019) | (11 - 11.7)/(31 - 25) | -0.116667 |
| 10.1 (12/17/2020) | 11.7 (4/15/2019) | (10.1 - 11.7)/(32 - 25) | -0.228571 |
| 14.6 (3/18/2021) | 11.7 (4/15/2019) | (14.6 - 11.7)/(33 - 25) | 0.3625 |
| 32.2 (5/5/2021) | 11.7 (4/15/2019) | (32.2 - 11.7)/(34 - 25) | 2.27778 |
| 14.4 (9/2/2021) | 11.7 (4/15/2019) | (14.4 - 11.7)/(35 - 25) | 0.27 |
| 7.7 (11/23/2021) | 11.7 (4/15/2019) | (7.7 - 11.7)/(36 - 25) | -0.363636 |
| 10.4 (1/11/2022) | 11.7 (4/15/2019) | (10.4 - 11.7)/(37 - 25) | -0.108333 |
| 15.6 (4/7/2022) | 11.7 (4/15/2019) | (15.6 - 11.7)/(38 - 25) | 0.3 |
| 7.8 (8/2/2022) | 11.7 (4/15/2019) | (7.8 - 11.7)/(39 - 25) | -0.278571 |
| 8.3 (11/16/2022) | 11.7 (4/15/2019) | (8.3 - 11.7)/(40 - 25) | -0.226667 |
| 10.4 (2/14/2023) | 11.7 (4/15/2019) | (10.4 - 11.7)/(41 - 25) | -0.08125 |
| 9.8 (5/25/2023) | 11.7 (4/15/2019) | (9.8 - 11.7)/(42 - 25) | -0.111765 |
| 11.5 (8/7/2023) | 11.7 (4/15/2019) | (11.5 - 11.7)/(43 - 25) | -0.0111111 |
| 6.8 (12/12/2023) | 11.7 (4/15/2019) | (6.8 - 11.7)/(44 - 25) | -0.257895 |
| 20.4 (1/10/2024) | 11.7 (4/15/2019) | (20.4 - 11.7)/(45 - 25) | 0.435 |
| 11 (5/21/2024) | 11.7 (4/15/2019) | (11 - 11.7)/(46 - 25) | -0.0333333 |
| 12 (9/16/2024) | 11.7 (4/15/2019) | (12 - 11.7)/(47 - 25) | 0.0136364 |
| 23.3 (12/11/2024) | 11.7 (4/15/2019) | (23.3 - 11.7)/(48 - 25) | 0.504348 |
| 77.2 (2/18/2025) | 11.7 (4/15/2019) | (77.2 - 11.7)/(49 - 25) | 2.72917 |
| | | | |
| 7.1 (8/27/2019) | 11 (6/12/2019) | (7.1 - 11)/(27 - 26) | -3.9 |
| 10.4 (10/29/2019) | 11 (6/12/2019) | (10.4 - 11)/(28 - 26) | -0.3 |
| 10.6 (3/30/2020) | 11 (6/12/2019) | (10.6 - 11)/(29 - 26) | -0.133333 |
| 9.67 (6/16/2020) | 11 (6/12/2019) | (9.67 - 11)/(30 - 26) | -0.3325 |
| 11 (9/21/2020) | 11 (6/12/2019) | (11 - 11)/(31 - 26) | 0 |
| 10.1 (12/17/2020) | 11 (6/12/2019) | (10.1 - 11)/(32 - 26) | -0.15 |
| 14.6 (3/18/2021) | 11 (6/12/2019) | (14.6 - 11)/(33 - 26) | 0.514286 |
| 32.2 (5/5/2021) | 11 (6/12/2019) | (32.2 - 11)/(34 - 26) | 2.65 |
| 14.4 (9/2/2021) | 11 (6/12/2019) | (14.4 - 11)/(35 - 26) | 0.377778 |
| 7.7 (11/23/2021) | 11 (6/12/2019) | (7.7 - 11)/(36 - 26) | -0.33 |
| 10.4 (1/11/2022) | 11 (6/12/2019) | (10.4 - 11)/(37 - 26) | -0.0545455 |
| 15.6 (4/7/2022) | 11 (6/12/2019) | (15.6 - 11)/(38 - 26) | 0.383333 |
| 7.8 (8/2/2022) | 11 (6/12/2019) | (7.8 - 11)/(39 - 26) | -0.246154 |
| 8.3 (11/16/2022) | 11 (6/12/2019) | (8.3 - 11)/(40 - 26) | -0.192857 |
| 10.4 (2/14/2023) | 11 (6/12/2019) | (10.4 - 11)/(41 - 26) | -0.04 |
| 9.8 (5/25/2023) | 11 (6/12/2019) | (9.8 - 11)/(42 - 26) | -0.075 |
| 11.5 (8/7/2023) | 11 (6/12/2019) | (11.5 - 11)/(43 - 26) | 0.0294118 |
| 6.8 (12/12/2023) | 11 (6/12/2019) | (6.8 - 11)/(44 - 26) | -0.233333 |
| 20.4 (1/10/2024) | 11 (6/12/2019) | (20.4 - 11)/(45 - 26) | 0.494737 |
| 11 (5/21/2024) | 11 (6/12/2019) | (11 - 11)/(46 - 26) | 0 |
| 12 (9/16/2024) | 11 (6/12/2019) | (12 - 11)/(47 - 26) | 0.047619 |
| 23.3 (12/11/2024) | 11 (6/12/2019) | (23.3 - 11)/(48 - 26) | 0.559091 |
| 77.2 (2/18/2025) | 11 (6/12/2019) | (77.2 - 11)/(49 - 26) | 2.87826 |
| | | | |
| 10.4 (10/29/2019) | 7.1 (8/27/2019) | (10.4 - 7.1)/(28 - 27) | 3.3 |
| 10.6 (3/30/2020) | 7.1 (8/27/2019) | (10.6 - 7.1)/(29 - 27) | 1.75 |
| 9.67 (6/16/2020) | 7.1 (8/27/2019) | (9.67 - 7.1)/(30 - 27) | 0.856667 |
| 11 (9/21/2020) | 7.1 (8/27/2019) | (11 - 7.1)/(31 - 27) | 0.975 |
| 10.1 (12/17/2020) | 7.1 (8/27/2019) | (10.1 - 7.1)/(32 - 27) | 0.6 |
| 14.6 (3/18/2021) | 7.1 (8/27/2019) | (14.6 - 7.1)/(33 - 27) | 1.25 |
| 32.2 (5/5/2021) | 7.1 (8/27/2019) | (32.2 - 7.1)/(34 - 27) | 3.58571 |
| 14.4 (9/2/2021) | 7.1 (8/27/2019) | (14.4 - 7.1)/(35 - 27) | 0.9125 |
| 7.7 (11/23/2021) | 7.1 (8/27/2019) | (7.7 - 7.1)/(36 - 27) | 0.0666667 |
| 10.4 (1/11/2022) | 7.1 (8/27/2019) | (10.4 - 7.1)/(37 - 27) | 0.33 |
| 15.6 (4/7/2022) | 7.1 (8/27/2019) | (15.6 - 7.1)/(38 - 27) | 0.772727 |

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|---|---|---|---|
| 7.8 (8/2/2022) | 7.1 (8/27/2019) | (7.8 - 7.1)/(39 - 27) | 0.0583333 |
| 8.3 (11/16/2022) | 7.1 (8/27/2019) | (8.3 - 7.1)/(40 - 27) | 0.0923077 |
| 10.4 (2/14/2023) | 7.1 (8/27/2019) | (10.4 - 7.1)/(41 - 27) | 0.235714 |
| 9.8 (5/25/2023) | 7.1 (8/27/2019) | (9.8 - 7.1)/(42 - 27) | 0.18 |
| 11.5 (8/7/2023) | 7.1 (8/27/2019) | (11.5 - 7.1)/(43 - 27) | 0.275 |
| 6.8 (12/12/2023) | 7.1 (8/27/2019) | (6.8 - 7.1)/(44 - 27) | -0.0176471 |
| 20.4 (1/10/2024) | 7.1 (8/27/2019) | (20.4 - 7.1)/(45 - 27) | 0.738889 |
| 11 (5/21/2024) | 7.1 (8/27/2019) | (11 - 7.1)/(46 - 27) | 0.205263 |
| 12 (9/16/2024) | 7.1 (8/27/2019) | (12 - 7.1)/(47 - 27) | 0.245 |
| 23.3 (12/11/2024) | 7.1 (8/27/2019) | (23.3 - 7.1)/(48 - 27) | 0.771429 |
| 77.2 (2/18/2025) | 7.1 (8/27/2019) | (77.2 - 7.1)/(49 - 27) | 3.18636 |
| | | | |
| 10.6 (3/30/2020) | 10.4 (10/29/2019) | (10.6 - 10.4)/(29 - 28) | 0.2 |
| 9.67 (6/16/2020) | 10.4 (10/29/2019) | (9.67 - 10.4)/(30 - 28) | -0.365 |
| 11 (9/21/2020) | 10.4 (10/29/2019) | (11 - 10.4)/(31 - 28) | 0.2 |
| 10.1 (12/17/2020) | 10.4 (10/29/2019) | (10.1 - 10.4)/(32 - 28) | -0.075 |
| 14.6 (3/18/2021) | 10.4 (10/29/2019) | (14.6 - 10.4)/(33 - 28) | 0.84 |
| 32.2 (5/5/2021) | 10.4 (10/29/2019) | (32.2 - 10.4)/(34 - 28) | 3.63333 |
| 14.4 (9/2/2021) | 10.4 (10/29/2019) | (14.4 - 10.4)/(35 - 28) | 0.571429 |
| 7.7 (11/23/2021) | 10.4 (10/29/2019) | (7.7 - 10.4)/(36 - 28) | -0.3375 |
| 10.4 (1/11/2022) | 10.4 (10/29/2019) | (10.4 - 10.4)/(37 - 28) | 0 |
| 15.6 (4/7/2022) | 10.4 (10/29/2019) | (15.6 - 10.4)/(38 - 28) | 0.52 |
| 7.8 (8/2/2022) | 10.4 (10/29/2019) | (7.8 - 10.4)/(39 - 28) | -0.236364 |
| 8.3 (11/16/2022) | 10.4 (10/29/2019) | (8.3 - 10.4)/(40 - 28) | -0.175 |
| 10.4 (2/14/2023) | 10.4 (10/29/2019) | (10.4 - 10.4)/(41 - 28) | 0 |
| 9.8 (5/25/2023) | 10.4 (10/29/2019) | (9.8 - 10.4)/(42 - 28) | -0.0428571 |
| 11.5 (8/7/2023) | 10.4 (10/29/2019) | (11.5 - 10.4)/(43 - 28) | 0.0733333 |
| 6.8 (12/12/2023) | 10.4 (10/29/2019) | (6.8 - 10.4)/(44 - 28) | -0.225 |
| 20.4 (1/10/2024) | 10.4 (10/29/2019) | (20.4 - 10.4)/(45 - 28) | 0.588235 |
| 11 (5/21/2024) | 10.4 (10/29/2019) | (11 - 10.4)/(46 - 28) | 0.0333333 |
| 12 (9/16/2024) | 10.4 (10/29/2019) | (12 - 10.4)/(47 - 28) | 0.0842105 |
| 23.3 (12/11/2024) | 10.4 (10/29/2019) | (23.3 - 10.4)/(48 - 28) | 0.645 |
| 77.2 (2/18/2025) | 10.4 (10/29/2019) | (77.2 - 10.4)/(49 - 28) | 3.18095 |
| | | | |
| 9.67 (6/16/2020) | 10.6 (3/30/2020) | (9.67 - 10.6)/(30 - 29) | -0.93 |
| 11 (9/21/2020) | 10.6 (3/30/2020) | (11 - 10.6)/(31 - 29) | 0.2 |
| 10.1 (12/17/2020) | 10.6 (3/30/2020) | (10.1 - 10.6)/(32 - 29) | -0.166667 |
| 14.6 (3/18/2021) | 10.6 (3/30/2020) | (14.6 - 10.6)/(33 - 29) | 1 |
| 32.2 (5/5/2021) | 10.6 (3/30/2020) | (32.2 - 10.6)/(34 - 29) | 4.32 |
| 14.4 (9/2/2021) | 10.6 (3/30/2020) | (14.4 - 10.6)/(35 - 29) | 0.633333 |
| 7.7 (11/23/2021) | 10.6 (3/30/2020) | (7.7 - 10.6)/(36 - 29) | -0.414286 |
| 10.4 (1/11/2022) | 10.6 (3/30/2020) | (10.4 - 10.6)/(37 - 29) | -0.025 |
| 15.6 (4/7/2022) | 10.6 (3/30/2020) | (15.6 - 10.6)/(38 - 29) | 0.555556 |
| 7.8 (8/2/2022) | 10.6 (3/30/2020) | (7.8 - 10.6)/(39 - 29) | -0.28 |
| 8.3 (11/16/2022) | 10.6 (3/30/2020) | (8.3 - 10.6)/(40 - 29) | -0.209091 |
| 10.4 (2/14/2023) | 10.6 (3/30/2020) | (10.4 - 10.6)/(41 - 29) | -0.0166667 |
| 9.8 (5/25/2023) | 10.6 (3/30/2020) | (9.8 - 10.6)/(42 - 29) | -0.0615385 |
| 11.5 (8/7/2023) | 10.6 (3/30/2020) | (11.5 - 10.6)/(43 - 29) | 0.0642857 |
| 6.8 (12/12/2023) | 10.6 (3/30/2020) | (6.8 - 10.6)/(44 - 29) | -0.253333 |
| 20.4 (1/10/2024) | 10.6 (3/30/2020) | (20.4 - 10.6)/(45 - 29) | 0.6125 |
| 11 (5/21/2024) | 10.6 (3/30/2020) | (11 - 10.6)/(46 - 29) | 0.0235294 |
| 12 (9/16/2024) | 10.6 (3/30/2020) | (12 - 10.6)/(47 - 29) | 0.0777778 |
| 23.3 (12/11/2024) | 10.6 (3/30/2020) | (23.3 - 10.6)/(48 - 29) | 0.668421 |
| 77.2 (2/18/2025) | 10.6 (3/30/2020) | (77.2 - 10.6)/(49 - 29) | 3.33 |
| | | | |
| 11 (9/21/2020) | 9.67 (6/16/2020) | (11 - 9.67)/(31 - 30) | 1.33 |
| 10.1 (12/17/2020) | 9.67 (6/16/2020) | (10.1 - 9.67)/(32 - 30) | 0.215 |

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| 14.6 (3/18/2021) | 9.67 (6/16/2020) | (14.6 - 9.67)/(33 - 30) | 1.64333 |
| 32.2 (5/5/2021) | 9.67 (6/16/2020) | (32.2 - 9.67)/(34 - 30) | 5.6325 |
| 14.4 (9/2/2021) | 9.67 (6/16/2020) | (14.4 - 9.67)/(35 - 30) | 0.946 |
| 7.7 (11/23/2021) | 9.67 (6/16/2020) | (7.7 - 9.67)/(36 - 30) | -0.328333 |
| 10.4 (1/11/2022) | 9.67 (6/16/2020) | (10.4 - 9.67)/(37 - 30) | 0.104286 |
| 15.6 (4/7/2022) | 9.67 (6/16/2020) | (15.6 - 9.67)/(38 - 30) | 0.74125 |
| 7.8 (8/2/2022) | 9.67 (6/16/2020) | (7.8 - 9.67)/(39 - 30) | -0.207778 |
| 8.3 (11/16/2022) | 9.67 (6/16/2020) | (8.3 - 9.67)/(40 - 30) | -0.137 |
| 10.4 (2/14/2023) | 9.67 (6/16/2020) | (10.4 - 9.67)/(41 - 30) | 0.0663636 |
| 9.8 (5/25/2023) | 9.67 (6/16/2020) | (9.8 - 9.67)/(42 - 30) | 0.0108333 |
| 11.5 (8/7/2023) | 9.67 (6/16/2020) | (11.5 - 9.67)/(43 - 30) | 0.140769 |
| 6.8 (12/12/2023) | 9.67 (6/16/2020) | (6.8 - 9.67)/(44 - 30) | -0.205 |
| 20.4 (1/10/2024) | 9.67 (6/16/2020) | (20.4 - 9.67)/(45 - 30) | 0.715333 |
| 11 (5/21/2024) | 9.67 (6/16/2020) | (11 - 9.67)/(46 - 30) | 0.083125 |
| 12 (9/16/2024) | 9.67 (6/16/2020) | (12 - 9.67)/(47 - 30) | 0.137059 |
| 23.3 (12/11/2024) | 9.67 (6/16/2020) | (23.3 - 9.67)/(48 - 30) | 0.757222 |
| 77.2 (2/18/2025) | 9.67 (6/16/2020) | (77.2 - 9.67)/(49 - 30) | 3.55421 |
| | | | |
| 10.1 (12/17/2020) | 11 (9/21/2020) | (10.1 - 11)/(32 - 31) | -0.9 |
| 14.6 (3/18/2021) | 11 (9/21/2020) | (14.6 - 11)/(33 - 31) | 1.8 |
| 32.2 (5/5/2021) | 11 (9/21/2020) | (32.2 - 11)/(34 - 31) | 7.06667 |
| 14.4 (9/2/2021) | 11 (9/21/2020) | (14.4 - 11)/(35 - 31) | 0.85 |
| 7.7 (11/23/2021) | 11 (9/21/2020) | (7.7 - 11)/(36 - 31) | -0.66 |
| 10.4 (1/11/2022) | 11 (9/21/2020) | (10.4 - 11)/(37 - 31) | -0.1 |
| 15.6 (4/7/2022) | 11 (9/21/2020) | (15.6 - 11)/(38 - 31) | 0.657143 |
| 7.8 (8/2/2022) | 11 (9/21/2020) | (7.8 - 11)/(39 - 31) | -0.4 |
| 8.3 (11/16/2022) | 11 (9/21/2020) | (8.3 - 11)/(40 - 31) | -0.3 |
| 10.4 (2/14/2023) | 11 (9/21/2020) | (10.4 - 11)/(41 - 31) | -0.06 |
| 9.8 (5/25/2023) | 11 (9/21/2020) | (9.8 - 11)/(42 - 31) | -0.109091 |
| 11.5 (8/7/2023) | 11 (9/21/2020) | (11.5 - 11)/(43 - 31) | 0.0416667 |
| 6.8 (12/12/2023) | 11 (9/21/2020) | (6.8 - 11)/(44 - 31) | -0.323077 |
| 20.4 (1/10/2024) | 11 (9/21/2020) | (20.4 - 11)/(45 - 31) | 0.671429 |
| 11 (5/21/2024) | 11 (9/21/2020) | (11 - 11)/(46 - 31) | 0 |
| 12 (9/16/2024) | 11 (9/21/2020) | (12 - 11)/(47 - 31) | 0.0625 |
| 23.3 (12/11/2024) | 11 (9/21/2020) | (23.3 - 11)/(48 - 31) | 0.723529 |
| 77.2 (2/18/2025) | 11 (9/21/2020) | (77.2 - 11)/(49 - 31) | 3.67778 |
| | | | |
| 14.6 (3/18/2021) | 10.1 (12/17/2020) | (14.6 - 10.1)/(33 - 32) | 4.5 |
| 32.2 (5/5/2021) | 10.1 (12/17/2020) | (32.2 - 10.1)/(34 - 32) | 11.05 |
| 14.4 (9/2/2021) | 10.1 (12/17/2020) | (14.4 - 10.1)/(35 - 32) | 1.43333 |
| 7.7 (11/23/2021) | 10.1 (12/17/2020) | (7.7 - 10.1)/(36 - 32) | -0.6 |
| 10.4 (1/11/2022) | 10.1 (12/17/2020) | (10.4 - 10.1)/(37 - 32) | 0.06 |
| 15.6 (4/7/2022) | 10.1 (12/17/2020) | (15.6 - 10.1)/(38 - 32) | 0.916667 |
| 7.8 (8/2/2022) | 10.1 (12/17/2020) | (7.8 - 10.1)/(39 - 32) | -0.328571 |
| 8.3 (11/16/2022) | 10.1 (12/17/2020) | (8.3 - 10.1)/(40 - 32) | -0.225 |
| 10.4 (2/14/2023) | 10.1 (12/17/2020) | (10.4 - 10.1)/(41 - 32) | 0.0333333 |
| 9.8 (5/25/2023) | 10.1 (12/17/2020) | (9.8 - 10.1)/(42 - 32) | -0.03 |
| 11.5 (8/7/2023) | 10.1 (12/17/2020) | (11.5 - 10.1)/(43 - 32) | 0.127273 |
| 6.8 (12/12/2023) | 10.1 (12/17/2020) | (6.8 - 10.1)/(44 - 32) | -0.275 |
| 20.4 (1/10/2024) | 10.1 (12/17/2020) | (20.4 - 10.1)/(45 - 32) | 0.792308 |
| 11 (5/21/2024) | 10.1 (12/17/2020) | (11 - 10.1)/(46 - 32) | 0.0642857 |
| 12 (9/16/2024) | 10.1 (12/17/2020) | (12 - 10.1)/(47 - 32) | 0.126667 |
| 23.3 (12/11/2024) | 10.1 (12/17/2020) | (23.3 - 10.1)/(48 - 32) | 0.825 |
| 77.2 (2/18/2025) | 10.1 (12/17/2020) | (77.2 - 10.1)/(49 - 32) | 3.94706 |
| | | | |
| 32.2 (5/5/2021) | 14.6 (3/18/2021) | (32.2 - 14.6)/(34 - 33) | 17.6 |
| 14.4 (9/2/2021) | 14.6 (3/18/2021) | (14.4 - 14.6)/(35 - 33) | -0.1 |

| | | | |
|---|---|---|---|
| 7.7 (11/23/2021) | 14.6 (3/18/2021) | (7.7 - 14.6)/(36 - 33) | -2.3 |
| 10.4 (1/11/2022) | 14.6 (3/18/2021) | (10.4 - 14.6)/(37 - 33) | -1.05 |
| 15.6 (4/7/2022) | 14.6 (3/18/2021) | (15.6 - 14.6)/(38 - 33) | 0.2 |
| 7.8 (8/2/2022) | 14.6 (3/18/2021) | (7.8 - 14.6)/(39 - 33) | -1.13333 |
| 8.3 (11/16/2022) | 14.6 (3/18/2021) | (8.3 - 14.6)/(40 - 33) | -0.9 |
| 10.4 (2/14/2023) | 14.6 (3/18/2021) | (10.4 - 14.6)/(41 - 33) | -0.525 |
| 9.8 (5/25/2023) | 14.6 (3/18/2021) | (9.8 - 14.6)/(42 - 33) | -0.533333 |
| 11.5 (8/7/2023) | 14.6 (3/18/2021) | (11.5 - 14.6)/(43 - 33) | -0.31 |
| 6.8 (12/12/2023) | 14.6 (3/18/2021) | (6.8 - 14.6)/(44 - 33) | -0.709091 |
| 20.4 (1/10/2024) | 14.6 (3/18/2021) | (20.4 - 14.6)/(45 - 33) | 0.483333 |
| 11 (5/21/2024) | 14.6 (3/18/2021) | (11 - 14.6)/(46 - 33) | -0.276923 |
| 12 (9/16/2024) | 14.6 (3/18/2021) | (12 - 14.6)/(47 - 33) | -0.185714 |
| 23.3 (12/11/2024) | 14.6 (3/18/2021) | (23.3 - 14.6)/(48 - 33) | 0.58 |
| 77.2 (2/18/2025) | 14.6 (3/18/2021) | (77.2 - 14.6)/(49 - 33) | 3.9125 |
| | | | |
| 14.4 (9/2/2021) | 32.2 (5/5/2021) | (14.4 - 32.2)/(35 - 34) | -17.8 |
| 7.7 (11/23/2021) | 32.2 (5/5/2021) | (7.7 - 32.2)/(36 - 34) | -12.25 |
| 10.4 (1/11/2022) | 32.2 (5/5/2021) | (10.4 - 32.2)/(37 - 34) | -7.26667 |
| 15.6 (4/7/2022) | 32.2 (5/5/2021) | (15.6 - 32.2)/(38 - 34) | -4.15 |
| 7.8 (8/2/2022) | 32.2 (5/5/2021) | (7.8 - 32.2)/(39 - 34) | -4.88 |
| 8.3 (11/16/2022) | 32.2 (5/5/2021) | (8.3 - 32.2)/(40 - 34) | -3.98333 |
| 10.4 (2/14/2023) | 32.2 (5/5/2021) | (10.4 - 32.2)/(41 - 34) | -3.11429 |
| 9.8 (5/25/2023) | 32.2 (5/5/2021) | (9.8 - 32.2)/(42 - 34) | -2.8 |
| 11.5 (8/7/2023) | 32.2 (5/5/2021) | (11.5 - 32.2)/(43 - 34) | -2.3 |
| 6.8 (12/12/2023) | 32.2 (5/5/2021) | (6.8 - 32.2)/(44 - 34) | -2.54 |
| 20.4 (1/10/2024) | 32.2 (5/5/2021) | (20.4 - 32.2)/(45 - 34) | -1.07273 |
| 11 (5/21/2024) | 32.2 (5/5/2021) | (11 - 32.2)/(46 - 34) | -1.76667 |
| 12 (9/16/2024) | 32.2 (5/5/2021) | (12 - 32.2)/(47 - 34) | -1.55385 |
| 23.3 (12/11/2024) | 32.2 (5/5/2021) | (23.3 - 32.2)/(48 - 34) | -0.635714 |
| 77.2 (2/18/2025) | 32.2 (5/5/2021) | (77.2 - 32.2)/(49 - 34) | 3 |
| | | | |
| 7.7 (11/23/2021) | 14.4 (9/2/2021) | (7.7 - 14.4)/(36 - 35) | -6.7 |
| 10.4 (1/11/2022) | 14.4 (9/2/2021) | (10.4 - 14.4)/(37 - 35) | -2 |
| 15.6 (4/7/2022) | 14.4 (9/2/2021) | (15.6 - 14.4)/(38 - 35) | 0.4 |
| 7.8 (8/2/2022) | 14.4 (9/2/2021) | (7.8 - 14.4)/(39 - 35) | -1.65 |
| 8.3 (11/16/2022) | 14.4 (9/2/2021) | (8.3 - 14.4)/(40 - 35) | -1.22 |
| 10.4 (2/14/2023) | 14.4 (9/2/2021) | (10.4 - 14.4)/(41 - 35) | -0.666667 |
| 9.8 (5/25/2023) | 14.4 (9/2/2021) | (9.8 - 14.4)/(42 - 35) | -0.657143 |
| 11.5 (8/7/2023) | 14.4 (9/2/2021) | (11.5 - 14.4)/(43 - 35) | -0.3625 |
| 6.8 (12/12/2023) | 14.4 (9/2/2021) | (6.8 - 14.4)/(44 - 35) | -0.844444 |
| 20.4 (1/10/2024) | 14.4 (9/2/2021) | (20.4 - 14.4)/(45 - 35) | 0.6 |
| 11 (5/21/2024) | 14.4 (9/2/2021) | (11 - 14.4)/(46 - 35) | -0.309091 |
| 12 (9/16/2024) | 14.4 (9/2/2021) | (12 - 14.4)/(47 - 35) | -0.2 |
| 23.3 (12/11/2024) | 14.4 (9/2/2021) | (23.3 - 14.4)/(48 - 35) | 0.684615 |
| 77.2 (2/18/2025) | 14.4 (9/2/2021) | (77.2 - 14.4)/(49 - 35) | 4.48571 |
| | | | |
| 10.4 (1/11/2022) | 7.7 (11/23/2021) | (10.4 - 7.7)/(37 - 36) | 2.7 |
| 15.6 (4/7/2022) | 7.7 (11/23/2021) | (15.6 - 7.7)/(38 - 36) | 3.95 |
| 7.8 (8/2/2022) | 7.7 (11/23/2021) | (7.8 - 7.7)/(39 - 36) | 0.0333333 |
| 8.3 (11/16/2022) | 7.7 (11/23/2021) | (8.3 - 7.7)/(40 - 36) | 0.15 |
| 10.4 (2/14/2023) | 7.7 (11/23/2021) | (10.4 - 7.7)/(41 - 36) | 0.54 |
| 9.8 (5/25/2023) | 7.7 (11/23/2021) | (9.8 - 7.7)/(42 - 36) | 0.35 |
| 11.5 (8/7/2023) | 7.7 (11/23/2021) | (11.5 - 7.7)/(43 - 36) | 0.542857 |
| 6.8 (12/12/2023) | 7.7 (11/23/2021) | (6.8 - 7.7)/(44 - 36) | -0.1125 |
| 20.4 (1/10/2024) | 7.7 (11/23/2021) | (20.4 - 7.7)/(45 - 36) | 1.41111 |
| 11 (5/21/2024) | 7.7 (11/23/2021) | (11 - 7.7)/(46 - 36) | 0.33 |
| 12 (9/16/2024) | 7.7 (11/23/2021) | (12 - 7.7)/(47 - 36) | 0.390909 |

| | | | |
|---|---|---|---|
| 23.3 (12/11/2024) | 7.7 (11/23/2021) | (23.3 - 7.7)/(48 - 36) | 1.3 |
| 77.2 (2/18/2025) | 7.7 (11/23/2021) | (77.2 - 7.7)/(49 - 36) | 5.34615 |
| | | | |
| 15.6 (4/7/2022) | 10.4 (1/11/2022) | (15.6 - 10.4)/(38 - 37) | 5.2 |
| 7.8 (8/2/2022) | 10.4 (1/11/2022) | (7.8 - 10.4)/(39 - 37) | -1.3 |
| 8.3 (11/16/2022) | 10.4 (1/11/2022) | (8.3 - 10.4)/(40 - 37) | -0.7 |
| 10.4 (2/14/2023) | 10.4 (1/11/2022) | (10.4 - 10.4)/(41 - 37) | 0 |
| 9.8 (5/25/2023) | 10.4 (1/11/2022) | (9.8 - 10.4)/(42 - 37) | -0.12 |
| 11.5 (8/7/2023) | 10.4 (1/11/2022) | (11.5 - 10.4)/(43 - 37) | 0.183333 |
| 6.8 (12/12/2023) | 10.4 (1/11/2022) | (6.8 - 10.4)/(44 - 37) | -0.514286 |
| 20.4 (1/10/2024) | 10.4 (1/11/2022) | (20.4 - 10.4)/(45 - 37) | 1.25 |
| 11 (5/21/2024) | 10.4 (1/11/2022) | (11 - 10.4)/(46 - 37) | 0.0666667 |
| 12 (9/16/2024) | 10.4 (1/11/2022) | (12 - 10.4)/(47 - 37) | 0.16 |
| 23.3 (12/11/2024) | 10.4 (1/11/2022) | (23.3 - 10.4)/(48 - 37) | 1.17273 |
| 77.2 (2/18/2025) | 10.4 (1/11/2022) | (77.2 - 10.4)/(49 - 37) | 5.56667 |
| | | | |
| 7.8 (8/2/2022) | 15.6 (4/7/2022) | (7.8 - 15.6)/(39 - 38) | -7.8 |
| 8.3 (11/16/2022) | 15.6 (4/7/2022) | (8.3 - 15.6)/(40 - 38) | -3.65 |
| 10.4 (2/14/2023) | 15.6 (4/7/2022) | (10.4 - 15.6)/(41 - 38) | -1.73333 |
| 9.8 (5/25/2023) | 15.6 (4/7/2022) | (9.8 - 15.6)/(42 - 38) | -1.45 |
| 11.5 (8/7/2023) | 15.6 (4/7/2022) | (11.5 - 15.6)/(43 - 38) | -0.82 |
| 6.8 (12/12/2023) | 15.6 (4/7/2022) | (6.8 - 15.6)/(44 - 38) | -1.46667 |
| 20.4 (1/10/2024) | 15.6 (4/7/2022) | (20.4 - 15.6)/(45 - 38) | 0.685714 |
| 11 (5/21/2024) | 15.6 (4/7/2022) | (11 - 15.6)/(46 - 38) | -0.575 |
| 12 (9/16/2024) | 15.6 (4/7/2022) | (12 - 15.6)/(47 - 38) | -0.4 |
| 23.3 (12/11/2024) | 15.6 (4/7/2022) | (23.3 - 15.6)/(48 - 38) | 0.77 |
| 77.2 (2/18/2025) | 15.6 (4/7/2022) | (77.2 - 15.6)/(49 - 38) | 5.6 |
| | | | |
| 8.3 (11/16/2022) | 7.8 (8/2/2022) | (8.3 - 7.8)/(40 - 39) | 0.5 |
| 10.4 (2/14/2023) | 7.8 (8/2/2022) | (10.4 - 7.8)/(41 - 39) | 1.3 |
| 9.8 (5/25/2023) | 7.8 (8/2/2022) | (9.8 - 7.8)/(42 - 39) | 0.666667 |
| 11.5 (8/7/2023) | 7.8 (8/2/2022) | (11.5 - 7.8)/(43 - 39) | 0.925 |
| 6.8 (12/12/2023) | 7.8 (8/2/2022) | (6.8 - 7.8)/(44 - 39) | -0.2 |
| 20.4 (1/10/2024) | 7.8 (8/2/2022) | (20.4 - 7.8)/(45 - 39) | 2.1 |
| 11 (5/21/2024) | 7.8 (8/2/2022) | (11 - 7.8)/(46 - 39) | 0.457143 |
| 12 (9/16/2024) | 7.8 (8/2/2022) | (12 - 7.8)/(47 - 39) | 0.525 |
| 23.3 (12/11/2024) | 7.8 (8/2/2022) | (23.3 - 7.8)/(48 - 39) | 1.72222 |
| 77.2 (2/18/2025) | 7.8 (8/2/2022) | (77.2 - 7.8)/(49 - 39) | 6.94 |
| | | | |
| 10.4 (2/14/2023) | 8.3 (11/16/2022) | (10.4 - 8.3)/(41 - 40) | 2.1 |
| 9.8 (5/25/2023) | 8.3 (11/16/2022) | (9.8 - 8.3)/(42 - 40) | 0.75 |
| 11.5 (8/7/2023) | 8.3 (11/16/2022) | (11.5 - 8.3)/(43 - 40) | 1.06667 |
| 6.8 (12/12/2023) | 8.3 (11/16/2022) | (6.8 - 8.3)/(44 - 40) | -0.375 |
| 20.4 (1/10/2024) | 8.3 (11/16/2022) | (20.4 - 8.3)/(45 - 40) | 2.42 |
| 11 (5/21/2024) | 8.3 (11/16/2022) | (11 - 8.3)/(46 - 40) | 0.45 |
| 12 (9/16/2024) | 8.3 (11/16/2022) | (12 - 8.3)/(47 - 40) | 0.528571 |
| 23.3 (12/11/2024) | 8.3 (11/16/2022) | (23.3 - 8.3)/(48 - 40) | 1.875 |
| 77.2 (2/18/2025) | 8.3 (11/16/2022) | (77.2 - 8.3)/(49 - 40) | 7.65556 |
| | | | |
| 9.8 (5/25/2023) | 10.4 (2/14/2023) | (9.8 - 10.4)/(42 - 41) | -0.6 |
| 11.5 (8/7/2023) | 10.4 (2/14/2023) | (11.5 - 10.4)/(43 - 41) | 0.55 |
| 6.8 (12/12/2023) | 10.4 (2/14/2023) | (6.8 - 10.4)/(44 - 41) | -1.2 |
| 20.4 (1/10/2024) | 10.4 (2/14/2023) | (20.4 - 10.4)/(45 - 41) | 2.5 |
| 11 (5/21/2024) | 10.4 (2/14/2023) | (11 - 10.4)/(46 - 41) | 0.12 |
| 12 (9/16/2024) | 10.4 (2/14/2023) | (12 - 10.4)/(47 - 41) | 0.266667 |
| 23.3 (12/11/2024) | 10.4 (2/14/2023) | (23.3 - 10.4)/(48 - 41) | 1.84286 |
| 77.2 (2/18/2025) | 10.4 (2/14/2023) | (77.2 - 10.4)/(49 - 41) | 8.35 |

| | | | |
|---|---|---|---|
| 11.5 (8/7/2023) | 9.8 (5/25/2023) | (11.5 - 9.8)/(43 - 42) | 1.7 |
| 6.8 (12/12/2023) | 9.8 (5/25/2023) | (6.8 - 9.8)/(44 - 42) | -1.5 |
| 20.4 (1/10/2024) | 9.8 (5/25/2023) | (20.4 - 9.8)/(45 - 42) | 3.53333 |
| 11 (5/21/2024) | 9.8 (5/25/2023) | (11 - 9.8)/(46 - 42) | 0.3 |
| 12 (9/16/2024) | 9.8 (5/25/2023) | (12 - 9.8)/(47 - 42) | 0.44 |
| 23.3 (12/11/2024) | 9.8 (5/25/2023) | (23.3 - 9.8)/(48 - 42) | 2.25 |
| 77.2 (2/18/2025) | 9.8 (5/25/2023) | (77.2 - 9.8)/(49 - 42) | 9.62857 |
| | | | |
| 6.8 (12/12/2023) | 11.5 (8/7/2023) | (6.8 - 11.5)/(44 - 43) | -4.7 |
| 20.4 (1/10/2024) | 11.5 (8/7/2023) | (20.4 - 11.5)/(45 - 43) | 4.45 |
| 11 (5/21/2024) | 11.5 (8/7/2023) | (11 - 11.5)/(46 - 43) | -0.166667 |
| 12 (9/16/2024) | 11.5 (8/7/2023) | (12 - 11.5)/(47 - 43) | 0.125 |
| 23.3 (12/11/2024) | 11.5 (8/7/2023) | (23.3 - 11.5)/(48 - 43) | 2.36 |
| 77.2 (2/18/2025) | 11.5 (8/7/2023) | (77.2 - 11.5)/(49 - 43) | 10.95 |
| | | | |
| 20.4 (1/10/2024) | 6.8 (12/12/2023) | (20.4 - 6.8)/(45 - 44) | 13.6 |
| 11 (5/21/2024) | 6.8 (12/12/2023) | (11 - 6.8)/(46 - 44) | 2.1 |
| 12 (9/16/2024) | 6.8 (12/12/2023) | (12 - 6.8)/(47 - 44) | 1.73333 |
| 23.3 (12/11/2024) | 6.8 (12/12/2023) | (23.3 - 6.8)/(48 - 44) | 4.125 |
| 77.2 (2/18/2025) | 6.8 (12/12/2023) | (77.2 - 6.8)/(49 - 44) | 14.08 |
| | | | |
| 11 (5/21/2024) | 20.4 (1/10/2024) | (11 - 20.4)/(46 - 45) | -9.4 |
| 12 (9/16/2024) | 20.4 (1/10/2024) | (12 - 20.4)/(47 - 45) | -4.2 |
| 23.3 (12/11/2024) | 20.4 (1/10/2024) | (23.3 - 20.4)/(48 - 45) | 0.966667 |
| 77.2 (2/18/2025) | 20.4 (1/10/2024) | (77.2 - 20.4)/(49 - 45) | 14.2 |
| | | | |
| 12 (9/16/2024) | 11 (5/21/2024) | (12 - 11)/(47 - 46) | 1 |
| 23.3 (12/11/2024) | 11 (5/21/2024) | (23.3 - 11)/(48 - 46) | 6.15 |
| 77.2 (2/18/2025) | 11 (5/21/2024) | (77.2 - 11)/(49 - 46) | 22.0667 |
| | | | |
| 23.3 (12/11/2024) | 12 (9/16/2024) | (23.3 - 12)/(48 - 47) | 11.3 |
| 77.2 (2/18/2025) | 12 (9/16/2024) | (77.2 - 12)/(49 - 47) | 32.6 |
| | | | |
| 77.2 (2/18/2025) | 23.3 (12/11/2024) | (77.2 - 23.3)/(49 - 48) | 53.9 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -17.8 |
| 2 | -12.25 |
| 3 | -9.4 |
| 4 | -7.8 |
| 5 | -7.26667 |
| 6 | -6.7 |
| 7 | -6 |
| 8 | -5 |
| 9 | -4.88 |
| 10 | -4.7 |
| 11 | -4.6 |
| 12 | -4.2 |
| 13 | -4.15 |
| 14 | -4 |
| 15 | -4 |
| 16 | -3.98333 |

| | |
|---|---|
| 17 | -3.9 |
| 18 | -3.65 |
| 19 | -3.47 |
| 20 | -3.385 |
| 21 | -3.3 |
| 22 | -3.2 |
| 23 | -3.11429 |
| 24 | -3.1 |
| 25 | -3 |
| 26 | -2.85 |
| 27 | -2.8 |
| 28 | -2.6 |
| 29 | -2.54 |
| 30 | -2.5 |
| 31 | -2.3 |
| 32 | -2.3 |
| 33 | -2.3 |
| 34 | -2 |
| 35 | -2 |
| 36 | -2 |
| 37 | -1.9175 |
| 38 | -1.9 |
| 39 | -1.76667 |
| 40 | -1.73333 |
| 41 | -1.65 |
| 42 | -1.575 |
| 43 | -1.55385 |
| 44 | -1.5 |
| 45 | -1.5 |
| 46 | -1.5 |
| 47 | -1.46667 |
| 48 | -1.45 |
| 49 | -1.42857 |
| 50 | -1.425 |
| 51 | -1.4 |
| 52 | -1.4 |
| 53 | -1.33333 |
| 54 | -1.3 |
| 55 | -1.24 |
| 56 | -1.23333 |
| 57 | -1.22333 |
| 58 | -1.22 |
| 59 | -1.22 |
| 60 | -1.2 |
| 61 | -1.17167 |
| 62 | -1.16667 |
| 63 | -1.13333 |
| 64 | -1.08 |
| 65 | -1.07273 |
| 66 | -1.05 |
| 67 | -1.04545 |
| 68 | -1 |
| 69 | -1 |
| 70 | -1 |
| 71 | -1 |
| 72 | -1 |
| 73 | -1 |

| | |
|---|---|
| 74 | -1 |
| 75 | -1 |
| 76 | -0.93 |
| 77 | -0.928571 |
| 78 | -0.9 |
| 79 | -0.9 |
| 80 | -0.89 |
| 81 | -0.85 |
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| 810 | 0.1875 |
| 811 | 0.191667 |
| 812 | 0.2 |
| 813 | 0.2 |
| 814 | 0.2 |

| | |
|---|---|
| 815 | 0.2 |
| 816 | 0.2 |
| 817 | 0.2 |
| 818 | 0.2 |
| 819 | 0.2 |
| 820 | 0.2 |
| 821 | 0.2 |
| 822 | 0.2 |
| 823 | 0.203846 |
| 824 | 0.205263 |
| 825 | 0.21 |
| 826 | 0.211111 |
| 827 | 0.211111 |
| 828 | 0.211111 |
| 829 | 0.211429 |
| 830 | 0.211765 |
| 831 | 0.213333 |
| 832 | 0.213636 |
| 833 | 0.215 |
| 834 | 0.215385 |
| 835 | 0.221429 |
| 836 | 0.222727 |
| 837 | 0.227027 |
| 838 | 0.23 |
| 839 | 0.230769 |
| 840 | 0.23125 |
| 841 | 0.232258 |
| 842 | 0.233333 |
| 843 | 0.234091 |
| 844 | 0.235484 |
| 845 | 0.235714 |
| 846 | 0.24 |
| 847 | 0.241026 |
| 848 | 0.241667 |
| 849 | 0.242105 |
| 850 | 0.244 |
| 851 | 0.245 |
| 852 | 0.247368 |
| 853 | 0.247368 |
| 854 | 0.254545 |
| 855 | 0.255 |
| 856 | 0.26 |
| 857 | 0.261111 |
| 858 | 0.262791 |
| 859 | 0.264286 |
| 860 | 0.264286 |
| 861 | 0.266667 |
| 862 | 0.266667 |
| 863 | 0.267 |
| 864 | 0.27 |
| 865 | 0.27 |
| 866 | 0.271053 |
| 867 | 0.275 |
| 868 | 0.275 |
| 869 | 0.275 |
| 870 | 0.282353 |
| 871 | 0.282759 |

| | |
|---|---|
| 872 | 0.28375 |
| 873 | 0.284848 |
| 874 | 0.290476 |
| 875 | 0.291892 |
| 876 | 0.292857 |
| 877 | 0.295714 |
| 878 | 0.297059 |
| 879 | 0.3 |
| 880 | 0.3 |
| 881 | 0.3 |
| 882 | 0.3 |
| 883 | 0.3 |
| 884 | 0.3 |
| 885 | 0.308696 |
| 886 | 0.308824 |
| 887 | 0.309091 |
| 888 | 0.311111 |
| 889 | 0.314286 |
| 890 | 0.315385 |
| 891 | 0.315385 |
| 892 | 0.316667 |
| 893 | 0.32 |
| 894 | 0.324242 |
| 895 | 0.325 |
| 896 | 0.328571 |
| 897 | 0.33 |
| 898 | 0.33 |
| 899 | 0.33 |
| 900 | 0.333333 |
| 901 | 0.333333 |
| 902 | 0.335294 |
| 903 | 0.336842 |
| 904 | 0.340625 |
| 905 | 0.341667 |
| 906 | 0.341667 |
| 907 | 0.3425 |
| 908 | 0.342553 |
| 909 | 0.342857 |
| 910 | 0.344 |
| 911 | 0.345455 |
| 912 | 0.345455 |
| 913 | 0.345455 |
| 914 | 0.35 |
| 915 | 0.35 |
| 916 | 0.35 |
| 917 | 0.35 |
| 918 | 0.362162 |
| 919 | 0.3625 |
| 920 | 0.376667 |
| 921 | 0.377778 |
| 922 | 0.38 |
| 923 | 0.38 |
| 924 | 0.383333 |
| 925 | 0.384615 |
| 926 | 0.385714 |
| 927 | 0.388235 |
| 928 | 0.390909 |

| | |
|---|---|
| 929 | 0.394286 |
| 930 | 0.4 |
| 931 | 0.41 |
| 932 | 0.410714 |
| 933 | 0.411111 |
| 934 | 0.413043 |
| 935 | 0.42 |
| 936 | 0.422222 |
| 937 | 0.427586 |
| 938 | 0.427647 |
| 939 | 0.428571 |
| 940 | 0.428571 |
| 941 | 0.433571 |
| 942 | 0.435 |
| 943 | 0.438889 |
| 944 | 0.44 |
| 945 | 0.44 |
| 946 | 0.44375 |
| 947 | 0.45 |
| 948 | 0.454545 |
| 949 | 0.455556 |
| 950 | 0.457143 |
| 951 | 0.461538 |
| 952 | 0.475 |
| 953 | 0.475 |
| 954 | 0.478125 |
| 955 | 0.483333 |
| 956 | 0.494737 |
| 957 | 0.5 |
| 958 | 0.5 |
| 959 | 0.5 |
| 960 | 0.5 |
| 961 | 0.5 |
| 962 | 0.502917 |
| 963 | 0.504348 |
| 964 | 0.514286 |
| 965 | 0.52 |
| 966 | 0.5225 |
| 967 | 0.523077 |
| 968 | 0.525 |
| 969 | 0.528571 |
| 970 | 0.533333 |
| 971 | 0.534 |
| 972 | 0.54 |
| 973 | 0.542857 |
| 974 | 0.55 |
| 975 | 0.55 |
| 976 | 0.554444 |
| 977 | 0.554839 |
| 978 | 0.555556 |
| 979 | 0.559091 |
| 980 | 0.571429 |
| 981 | 0.58 |
| 982 | 0.585714 |
| 983 | 0.588235 |
| 984 | 0.6 |
| 985 | 0.6 |

| | |
|---|---|
| 986 | 0.6 |
| 987 | 0.6125 |
| 988 | 0.625 |
| 989 | 0.625 |
| 990 | 0.633333 |
| 991 | 0.633333 |
| 992 | 0.64 |
| 993 | 0.644444 |
| 994 | 0.645 |
| 995 | 0.65 |
| 996 | 0.654545 |
| 997 | 0.657143 |
| 998 | 0.666667 |
| 999 | 0.666667 |
| 1000 | 0.668421 |
| 1001 | 0.671429 |
| 1002 | 0.675 |
| 1003 | 0.684615 |
| 1004 | 0.685714 |
| 1005 | 0.685714 |
| 1006 | 0.696552 |
| 1007 | 0.711111 |
| 1008 | 0.715333 |
| 1009 | 0.723529 |
| 1010 | 0.738889 |
| 1011 | 0.74125 |
| 1012 | 0.75 |
| 1013 | 0.75 |
| 1014 | 0.757143 |
| 1015 | 0.757222 |
| 1016 | 0.757576 |
| 1017 | 0.76 |
| 1018 | 0.77 |
| 1019 | 0.771429 |
| 1020 | 0.772727 |
| 1021 | 0.783333 |
| 1022 | 0.785185 |
| 1023 | 0.792308 |
| 1024 | 0.8 |
| 1025 | 0.825 |
| 1026 | 0.84 |
| 1027 | 0.8425 |
| 1028 | 0.848 |
| 1029 | 0.85 |
| 1030 | 0.856667 |
| 1031 | 0.869231 |
| 1032 | 0.883333 |
| 1033 | 0.9125 |
| 1034 | 0.916667 |
| 1035 | 0.925 |
| 1036 | 0.933333 |
| 1037 | 0.933333 |
| 1038 | 0.946 |
| 1039 | 0.95 |
| 1040 | 0.95 |
| 1041 | 0.952941 |
| 1042 | 0.963636 |

| | |
|---|---|
| 1043 | 0.966667 |
| 1044 | 0.969565 |
| 1045 | 0.975 |
| 1046 | 1 |
| 1047 | 1 |
| 1048 | 1 |
| 1049 | 1.01667 |
| 1050 | 1.03158 |
| 1051 | 1.06667 |
| 1052 | 1.08095 |
| 1053 | 1.0875 |
| 1054 | 1.1 |
| 1055 | 1.1 |
| 1056 | 1.1 |
| 1057 | 1.14 |
| 1058 | 1.17273 |
| 1059 | 1.19574 |
| 1060 | 1.2 |
| 1061 | 1.225 |
| 1062 | 1.25 |
| 1063 | 1.25 |
| 1064 | 1.2625 |
| 1065 | 1.3 |
| 1066 | 1.3 |
| 1067 | 1.33 |
| 1068 | 1.34444 |
| 1069 | 1.35217 |
| 1070 | 1.4 |
| 1071 | 1.41111 |
| 1072 | 1.42667 |
| 1073 | 1.43333 |
| 1074 | 1.45714 |
| 1075 | 1.45833 |
| 1076 | 1.48182 |
| 1077 | 1.53953 |
| 1078 | 1.55 |
| 1079 | 1.55 |
| 1080 | 1.575 |
| 1081 | 1.57619 |
| 1082 | 1.625 |
| 1083 | 1.64333 |
| 1084 | 1.64615 |
| 1085 | 1.64878 |
| 1086 | 1.655 |
| 1087 | 1.7 |
| 1088 | 1.7 |
| 1089 | 1.7 |
| 1090 | 1.7 |
| 1091 | 1.72222 |
| 1092 | 1.73333 |
| 1093 | 1.75 |
| 1094 | 1.76364 |
| 1095 | 1.77105 |
| 1096 | 1.78919 |
| 1097 | 1.8 |
| 1098 | 1.82857 |
| 1099 | 1.83615 |

| | |
|---|---|
| 1100 | 1.84286 |
| 1101 | 1.875 |
| 1102 | 1.88056 |
| 1103 | 1.9 |
| 1104 | 1.9125 |
| 1105 | 1.93333 |
| 1106 | 2 |
| 1107 | 2 |
| 1108 | 2.07 |
| 1109 | 2.09697 |
| 1110 | 2.1 |
| 1111 | 2.1 |
| 1112 | 2.1 |
| 1113 | 2.10323 |
| 1114 | 2.235 |
| 1115 | 2.25 |
| 1116 | 2.25517 |
| 1117 | 2.27778 |
| 1118 | 2.36 |
| 1119 | 2.36667 |
| 1120 | 2.36667 |
| 1121 | 2.42 |
| 1122 | 2.42 |
| 1123 | 2.45964 |
| 1124 | 2.47692 |
| 1125 | 2.5 |
| 1126 | 2.65 |
| 1127 | 2.7 |
| 1128 | 2.72917 |
| 1129 | 2.79 |
| 1130 | 2.87826 |
| 1131 | 3 |
| 1132 | 3.1 |
| 1133 | 3.18095 |
| 1134 | 3.18636 |
| 1135 | 3.3 |
| 1136 | 3.33 |
| 1137 | 3.53333 |
| 1138 | 3.55421 |
| 1139 | 3.58571 |
| 1140 | 3.63333 |
| 1141 | 3.67778 |
| 1142 | 3.7 |
| 1143 | 3.9 |
| 1144 | 3.9 |
| 1145 | 3.9125 |
| 1146 | 3.94706 |
| 1147 | 3.95 |
| 1148 | 4.125 |
| 1149 | 4.32 |
| 1150 | 4.45 |
| 1151 | 4.48571 |
| 1152 | 4.5 |
| 1153 | 4.97 |
| 1154 | 5.2 |
| 1155 | 5.34615 |
| 1156 | 5.56667 |

| | |
|---|---|
| 1157 | 5.6 |
| 1158 | 5.6325 |
| 1159 | 6.15 |
| 1160 | 6.94 |
| 1161 | 7.06667 |
| 1162 | 7.65556 |
| 1163 | 8 |
| 1164 | 8.35 |
| 1165 | 9.62857 |
| 1166 | 10.95 |
| 1167 | 11.05 |
| 1168 | 11.3 |
| 1169 | 13.6 |
| 1170 | 13.8 |
| 1171 | 14.08 |
| 1172 | 14.2 |
| 1173 | 17.6 |
| 1174 | 22.0667 |
| 1175 | 32.6 |
| 1176 | 53.9 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 13 | 2 |
| 2 | 12 | 3 |
| 3 | 11 | 7 |
| 4 | 10.4 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |

| | |
|---|---|
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 948
B = 0
C = 222
D = 0
E = 56
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13406
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.448
M1 = (1176 - 190.448)/2.0 = 492.776
M2 = (1176 + 190.448)/2.0 + 1 = 684.224
Lower limit is -0.0586207 = Q(493)
Upper limit is 0.0625 = Q(684)
-0.0586207 < 0 < 0.0625 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 19 (5/20/2013) | 15 (3/13/2013) | (19 - 15)/(2 - 1) | 4 |
| 13 (9/23/2013) | 15 (3/13/2013) | (13 - 15)/(3 - 1) | -1 |
| 20 (12/10/2013) | 15 (3/13/2013) | (20 - 15)/(4 - 1) | 1.66667 |
| 33 (2/6/2014) | 15 (3/13/2013) | (33 - 15)/(5 - 1) | 4.5 |
| 30 (6/26/2014) | 15 (3/13/2013) | (30 - 15)/(6 - 1) | 3 |
| 18 (9/30/2014) | 15 (3/13/2013) | (18 - 15)/(7 - 1) | 0.5 |
| 19 (11/19/2014) | 15 (3/13/2013) | (19 - 15)/(8 - 1) | 0.571429 |
| 16 (3/23/2015) | 15 (3/13/2013) | (16 - 15)/(9 - 1) | 0.125 |
| 14 (4/22/2015) | 15 (3/13/2013) | (14 - 15)/(10 - 1) | -0.111111 |
| 24.4 (9/30/2015) | 15 (3/13/2013) | (24.4 - 15)/(11 - 1) | 0.94 |
| 37.8 (11/19/2015) | 15 (3/13/2013) | (37.8 - 15)/(12 - 1) | 2.07273 |
| 78.8 (3/15/2016) | 15 (3/13/2013) | (78.8 - 15)/(13 - 1) | 5.31667 |
| 15.3 (6/29/2016) | 15 (3/13/2013) | (15.3 - 15)/(14 - 1) | 0.0230769 |
| 10.8 (8/9/2016) | 15 (3/13/2013) | (10.8 - 15)/(15 - 1) | -0.3 |
| 9.4 (12/7/2016) | 15 (3/13/2013) | (9.4 - 15)/(16 - 1) | -0.373333 |
| 17 (3/2/2017) | 15 (3/13/2013) | (17 - 15)/(17 - 1) | 0.125 |
| 16.3 (7/5/2017) | 15 (3/13/2013) | (16.3 - 15)/(18 - 1) | 0.0764706 |
| 18.5 (8/16/2017) | 15 (3/13/2013) | (18.5 - 15)/(19 - 1) | 0.194444 |
| 49.7 (10/25/2017) | 15 (3/13/2013) | (49.7 - 15)/(20 - 1) | 1.82632 |
| 11.2 (3/28/2018) | 15 (3/13/2013) | (11.2 - 15)/(21 - 1) | -0.19 |
| 115 (6/29/2018) | 15 (3/13/2013) | (115 - 15)/(22 - 1) | 4.7619 |
| 56 (8/2/2018) | 15 (3/13/2013) | (56 - 15)/(23 - 1) | 1.86364 |
| 27.1 (12/10/2018) | 15 (3/13/2013) | (27.1 - 15)/(24 - 1) | 0.526087 |
| 371 (4/15/2019) | 15 (3/13/2013) | (371 - 15)/(25 - 1) | 14.8333 |
| 10.7 (6/12/2019) | 15 (3/13/2013) | (10.7 - 15)/(26 - 1) | -0.172 |
| 7 (8/27/2019) | 15 (3/13/2013) | (7 - 15)/(27 - 1) | -0.307692 |
| 15.4 (10/29/2019) | 15 (3/13/2013) | (15.4 - 15)/(28 - 1) | 0.0148148 |
| 18.2 (3/30/2020) | 15 (3/13/2013) | (18.2 - 15)/(29 - 1) | 0.114286 |
| 10.1 (6/16/2020) | 15 (3/13/2013) | (10.1 - 15)/(30 - 1) | -0.168966 |
| 10.7 (9/21/2020) | 15 (3/13/2013) | (10.7 - 15)/(31 - 1) | -0.143333 |
| 267 (9/2/2021) | 15 (3/13/2013) | (267 - 15)/(32 - 1) | 8.12903 |
| 15.4 (1/11/2022) | 15 (3/13/2013) | (15.4 - 15)/(33 - 1) | 0.0125 |
| 27 (4/7/2022) | 15 (3/13/2013) | (27 - 15)/(34 - 1) | 0.363636 |
| 5.6 (8/2/2022) | 15 (3/13/2013) | (5.6 - 15)/(35 - 1) | -0.276471 |
| 10.3 (11/16/2022) | 15 (3/13/2013) | (10.3 - 15)/(36 - 1) | -0.134286 |
| 66.4 (2/14/2023) | 15 (3/13/2013) | (66.4 - 15)/(37 - 1) | 1.42778 |
| 11 (5/25/2023) | 15 (3/13/2013) | (11 - 15)/(38 - 1) | -0.108108 |
| 14.4 (8/7/2023) | 15 (3/13/2013) | (14.4 - 15)/(39 - 1) | -0.0157895 |
| 13.4 (12/12/2023) | 15 (3/13/2013) | (13.4 - 15)/(40 - 1) | -0.0410256 |
| 44.8 (1/10/2024) | 15 (3/13/2013) | (44.8 - 15)/(41 - 1) | 0.745 |
| 24.6 (5/21/2024) | 15 (3/13/2013) | (24.6 - 15)/(42 - 1) | 0.234146 |
| 12.7 (9/16/2024) | 15 (3/13/2013) | (12.7 - 15)/(43 - 1) | -0.0547619 |
| 111 (12/11/2024) | 15 (3/13/2013) | (111 - 15)/(44 - 1) | 2.23256 |
| 37.3 (2/18/2025) | 15 (3/13/2013) | (37.3 - 15)/(45 - 1) | 0.506818 |
| | | | |
| 13 (9/23/2013) | 19 (5/20/2013) | (13 - 19)/(3 - 2) | -6 |
| 20 (12/10/2013) | 19 (5/20/2013) | (20 - 19)/(4 - 2) | 0.5 |
| 33 (2/6/2014) | 19 (5/20/2013) | (33 - 19)/(5 - 2) | 4.66667 |

| | | | |
|---|---|---|---|
| 30 (6/26/2014) | 19 (5/20/2013) | (30 - 19)/(6 - 2) | 2.75 |
| 18 (9/30/2014) | 19 (5/20/2013) | (18 - 19)/(7 - 2) | -0.2 |
| 19 (11/19/2014) | 19 (5/20/2013) | (19 - 19)/(8 - 2) | 0 |
| 16 (3/23/2015) | 19 (5/20/2013) | (16 - 19)/(9 - 2) | -0.428571 |
| 14 (4/22/2015) | 19 (5/20/2013) | (14 - 19)/(10 - 2) | -0.625 |
| 24.4 (9/30/2015) | 19 (5/20/2013) | (24.4 - 19)/(11 - 2) | 0.6 |
| 37.8 (11/19/2015) | 19 (5/20/2013) | (37.8 - 19)/(12 - 2) | 1.88 |
| 78.8 (3/15/2016) | 19 (5/20/2013) | (78.8 - 19)/(13 - 2) | 5.43636 |
| 15.3 (6/29/2016) | 19 (5/20/2013) | (15.3 - 19)/(14 - 2) | -0.308333 |
| 10.8 (8/9/2016) | 19 (5/20/2013) | (10.8 - 19)/(15 - 2) | -0.630769 |
| 9.4 (12/7/2016) | 19 (5/20/2013) | (9.4 - 19)/(16 - 2) | -0.685714 |
| 17 (3/2/2017) | 19 (5/20/2013) | (17 - 19)/(17 - 2) | -0.133333 |
| 16.3 (7/5/2017) | 19 (5/20/2013) | (16.3 - 19)/(18 - 2) | -0.16875 |
| 18.5 (8/16/2017) | 19 (5/20/2013) | (18.5 - 19)/(19 - 2) | -0.0294118 |
| 49.7 (10/25/2017) | 19 (5/20/2013) | (49.7 - 19)/(20 - 2) | 1.70556 |
| 11.2 (3/28/2018) | 19 (5/20/2013) | (11.2 - 19)/(21 - 2) | -0.410526 |
| 115 (6/29/2018) | 19 (5/20/2013) | (115 - 19)/(22 - 2) | 4.8 |
| 56 (8/2/2018) | 19 (5/20/2013) | (56 - 19)/(23 - 2) | 1.7619 |
| 27.1 (12/10/2018) | 19 (5/20/2013) | (27.1 - 19)/(24 - 2) | 0.368182 |
| 371 (4/15/2019) | 19 (5/20/2013) | (371 - 19)/(25 - 2) | 15.3043 |
| 10.7 (6/12/2019) | 19 (5/20/2013) | (10.7 - 19)/(26 - 2) | -0.345833 |
| 7 (8/27/2019) | 19 (5/20/2013) | (7 - 19)/(27 - 2) | -0.48 |
| 15.4 (10/29/2019) | 19 (5/20/2013) | (15.4 - 19)/(28 - 2) | -0.138462 |
| 18.2 (3/30/2020) | 19 (5/20/2013) | (18.2 - 19)/(29 - 2) | -0.0296296 |
| 10.1 (6/16/2020) | 19 (5/20/2013) | (10.1 - 19)/(30 - 2) | -0.317857 |
| 10.7 (9/21/2020) | 19 (5/20/2013) | (10.7 - 19)/(31 - 2) | -0.286207 |
| 267 (9/2/2021) | 19 (5/20/2013) | (267 - 19)/(32 - 2) | 8.26667 |
| 15.4 (1/11/2022) | 19 (5/20/2013) | (15.4 - 19)/(33 - 2) | -0.116129 |
| 27 (4/7/2022) | 19 (5/20/2013) | (27 - 19)/(34 - 2) | 0.25 |
| 5.6 (8/2/2022) | 19 (5/20/2013) | (5.6 - 19)/(35 - 2) | -0.406061 |
| 10.3 (11/16/2022) | 19 (5/20/2013) | (10.3 - 19)/(36 - 2) | -0.255882 |
| 66.4 (2/14/2023) | 19 (5/20/2013) | (66.4 - 19)/(37 - 2) | 1.35429 |
| 11 (5/25/2023) | 19 (5/20/2013) | (11 - 19)/(38 - 2) | -0.222222 |
| 14.4 (8/7/2023) | 19 (5/20/2013) | (14.4 - 19)/(39 - 2) | -0.124324 |
| 13.4 (12/12/2023) | 19 (5/20/2013) | (13.4 - 19)/(40 - 2) | -0.147368 |
| 44.8 (1/10/2024) | 19 (5/20/2013) | (44.8 - 19)/(41 - 2) | 0.661538 |
| 24.6 (5/21/2024) | 19 (5/20/2013) | (24.6 - 19)/(42 - 2) | 0.14 |
| 12.7 (9/16/2024) | 19 (5/20/2013) | (12.7 - 19)/(43 - 2) | -0.153659 |
| 111 (12/11/2024) | 19 (5/20/2013) | (111 - 19)/(44 - 2) | 2.19048 |
| 37.3 (2/18/2025) | 19 (5/20/2013) | (37.3 - 19)/(45 - 2) | 0.425581 |
| | | | |
| 20 (12/10/2013) | 13 (9/23/2013) | (20 - 13)/(4 - 3) | 7 |
| 33 (2/6/2014) | 13 (9/23/2013) | (33 - 13)/(5 - 3) | 10 |
| 30 (6/26/2014) | 13 (9/23/2013) | (30 - 13)/(6 - 3) | 5.66667 |
| 18 (9/30/2014) | 13 (9/23/2013) | (18 - 13)/(7 - 3) | 1.25 |
| 19 (11/19/2014) | 13 (9/23/2013) | (19 - 13)/(8 - 3) | 1.2 |
| 16 (3/23/2015) | 13 (9/23/2013) | (16 - 13)/(9 - 3) | 0.5 |
| 14 (4/22/2015) | 13 (9/23/2013) | (14 - 13)/(10 - 3) | 0.142857 |
| 24.4 (9/30/2015) | 13 (9/23/2013) | (24.4 - 13)/(11 - 3) | 1.425 |
| 37.8 (11/19/2015) | 13 (9/23/2013) | (37.8 - 13)/(12 - 3) | 2.75556 |
| 78.8 (3/15/2016) | 13 (9/23/2013) | (78.8 - 13)/(13 - 3) | 6.58 |
| 15.3 (6/29/2016) | 13 (9/23/2013) | (15.3 - 13)/(14 - 3) | 0.209091 |
| 10.8 (8/9/2016) | 13 (9/23/2013) | (10.8 - 13)/(15 - 3) | -0.183333 |
| 9.4 (12/7/2016) | 13 (9/23/2013) | (9.4 - 13)/(16 - 3) | -0.276923 |
| 17 (3/2/2017) | 13 (9/23/2013) | (17 - 13)/(17 - 3) | 0.285714 |
| 16.3 (7/5/2017) | 13 (9/23/2013) | (16.3 - 13)/(18 - 3) | 0.22 |
| 18.5 (8/16/2017) | 13 (9/23/2013) | (18.5 - 13)/(19 - 3) | 0.34375 |

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| 49.7 (10/25/2017) | 13 (9/23/2013) | (49.7 - 13)/(20 - 3) | 2.15882 |
| 11.2 (3/28/2018) | 13 (9/23/2013) | (11.2 - 13)/(21 - 3) | -0.1 |
| 115 (6/29/2018) | 13 (9/23/2013) | (115 - 13)/(22 - 3) | 5.36842 |
| 56 (8/2/2018) | 13 (9/23/2013) | (56 - 13)/(23 - 3) | 2.15 |
| 27.1 (12/10/2018) | 13 (9/23/2013) | (27.1 - 13)/(24 - 3) | 0.671429 |
| 371 (4/15/2019) | 13 (9/23/2013) | (371 - 13)/(25 - 3) | 16.2727 |
| 10.7 (6/12/2019) | 13 (9/23/2013) | (10.7 - 13)/(26 - 3) | -0.1 |
| 7 (8/27/2019) | 13 (9/23/2013) | (7 - 13)/(27 - 3) | -0.25 |
| 15.4 (10/29/2019) | 13 (9/23/2013) | (15.4 - 13)/(28 - 3) | 0.096 |
| 18.2 (3/30/2020) | 13 (9/23/2013) | (18.2 - 13)/(29 - 3) | 0.2 |
| 10.1 (6/16/2020) | 13 (9/23/2013) | (10.1 - 13)/(30 - 3) | -0.107407 |
| 10.7 (9/21/2020) | 13 (9/23/2013) | (10.7 - 13)/(31 - 3) | -0.0821429 |
| 267 (9/2/2021) | 13 (9/23/2013) | (267 - 13)/(32 - 3) | 8.75862 |
| 15.4 (1/11/2022) | 13 (9/23/2013) | (15.4 - 13)/(33 - 3) | 0.08 |
| 27 (4/7/2022) | 13 (9/23/2013) | (27 - 13)/(34 - 3) | 0.451613 |
| 5.6 (8/2/2022) | 13 (9/23/2013) | (5.6 - 13)/(35 - 3) | -0.23125 |
| 10.3 (11/16/2022) | 13 (9/23/2013) | (10.3 - 13)/(36 - 3) | -0.0818182 |
| 66.4 (2/14/2023) | 13 (9/23/2013) | (66.4 - 13)/(37 - 3) | 1.57059 |
| 11 (5/25/2023) | 13 (9/23/2013) | (11 - 13)/(38 - 3) | -0.0571429 |
| 14.4 (8/7/2023) | 13 (9/23/2013) | (14.4 - 13)/(39 - 3) | 0.0388889 |
| 13.4 (12/12/2023) | 13 (9/23/2013) | (13.4 - 13)/(40 - 3) | 0.0108108 |
| 44.8 (1/10/2024) | 13 (9/23/2013) | (44.8 - 13)/(41 - 3) | 0.836842 |
| 24.6 (5/21/2024) | 13 (9/23/2013) | (24.6 - 13)/(42 - 3) | 0.297436 |
| 12.7 (9/16/2024) | 13 (9/23/2013) | (12.7 - 13)/(43 - 3) | -0.0075 |
| 111 (12/11/2024) | 13 (9/23/2013) | (111 - 13)/(44 - 3) | 2.39024 |
| 37.3 (2/18/2025) | 13 (9/23/2013) | (37.3 - 13)/(45 - 3) | 0.578571 |
| | | | |
| 33 (2/6/2014) | 20 (12/10/2013) | (33 - 20)/(5 - 4) | 13 |
| 30 (6/26/2014) | 20 (12/10/2013) | (30 - 20)/(6 - 4) | 5 |
| 18 (9/30/2014) | 20 (12/10/2013) | (18 - 20)/(7 - 4) | -0.666667 |
| 19 (11/19/2014) | 20 (12/10/2013) | (19 - 20)/(8 - 4) | -0.25 |
| 16 (3/23/2015) | 20 (12/10/2013) | (16 - 20)/(9 - 4) | -0.8 |
| 14 (4/22/2015) | 20 (12/10/2013) | (14 - 20)/(10 - 4) | -1 |
| 24.4 (9/30/2015) | 20 (12/10/2013) | (24.4 - 20)/(11 - 4) | 0.628571 |
| 37.8 (11/19/2015) | 20 (12/10/2013) | (37.8 - 20)/(12 - 4) | 2.225 |
| 78.8 (3/15/2016) | 20 (12/10/2013) | (78.8 - 20)/(13 - 4) | 6.53333 |
| 15.3 (6/29/2016) | 20 (12/10/2013) | (15.3 - 20)/(14 - 4) | -0.47 |
| 10.8 (8/9/2016) | 20 (12/10/2013) | (10.8 - 20)/(15 - 4) | -0.836364 |
| 9.4 (12/7/2016) | 20 (12/10/2013) | (9.4 - 20)/(16 - 4) | -0.883333 |
| 17 (3/2/2017) | 20 (12/10/2013) | (17 - 20)/(17 - 4) | -0.230769 |
| 16.3 (7/5/2017) | 20 (12/10/2013) | (16.3 - 20)/(18 - 4) | -0.264286 |
| 18.5 (8/16/2017) | 20 (12/10/2013) | (18.5 - 20)/(19 - 4) | -0.1 |
| 49.7 (10/25/2017) | 20 (12/10/2013) | (49.7 - 20)/(20 - 4) | 1.85625 |
| 11.2 (3/28/2018) | 20 (12/10/2013) | (11.2 - 20)/(21 - 4) | -0.517647 |
| 115 (6/29/2018) | 20 (12/10/2013) | (115 - 20)/(22 - 4) | 5.27778 |
| 56 (8/2/2018) | 20 (12/10/2013) | (56 - 20)/(23 - 4) | 1.89474 |
| 27.1 (12/10/2018) | 20 (12/10/2013) | (27.1 - 20)/(24 - 4) | 0.355 |
| 371 (4/15/2019) | 20 (12/10/2013) | (371 - 20)/(25 - 4) | 16.7143 |
| 10.7 (6/12/2019) | 20 (12/10/2013) | (10.7 - 20)/(26 - 4) | -0.422727 |
| 7 (8/27/2019) | 20 (12/10/2013) | (7 - 20)/(27 - 4) | -0.565217 |
| 15.4 (10/29/2019) | 20 (12/10/2013) | (15.4 - 20)/(28 - 4) | -0.191667 |
| 18.2 (3/30/2020) | 20 (12/10/2013) | (18.2 - 20)/(29 - 4) | -0.072 |
| 10.1 (6/16/2020) | 20 (12/10/2013) | (10.1 - 20)/(30 - 4) | -0.380769 |
| 10.7 (9/21/2020) | 20 (12/10/2013) | (10.7 - 20)/(31 - 4) | -0.344444 |
| 267 (9/2/2021) | 20 (12/10/2013) | (267 - 20)/(32 - 4) | 8.82143 |
| 15.4 (1/11/2022) | 20 (12/10/2013) | (15.4 - 20)/(33 - 4) | -0.158621 |
| 27 (4/7/2022) | 20 (12/10/2013) | (27 - 20)/(34 - 4) | 0.233333 |

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|---|---|---|---|
| 5.6 (8/2/2022) | 20 (12/10/2013) | (5.6 - 20)/(35 - 4) | -0.464516 |
| 10.3 (11/16/2022) | 20 (12/10/2013) | (10.3 - 20)/(36 - 4) | -0.303125 |
| 66.4 (2/14/2023) | 20 (12/10/2013) | (66.4 - 20)/(37 - 4) | 1.40606 |
| 11 (5/25/2023) | 20 (12/10/2013) | (11 - 20)/(38 - 4) | -0.264706 |
| 14.4 (8/7/2023) | 20 (12/10/2013) | (14.4 - 20)/(39 - 4) | -0.16 |
| 13.4 (12/12/2023) | 20 (12/10/2013) | (13.4 - 20)/(40 - 4) | -0.183333 |
| 44.8 (1/10/2024) | 20 (12/10/2013) | (44.8 - 20)/(41 - 4) | 0.67027 |
| 24.6 (5/21/2024) | 20 (12/10/2013) | (24.6 - 20)/(42 - 4) | 0.121053 |
| 12.7 (9/16/2024) | 20 (12/10/2013) | (12.7 - 20)/(43 - 4) | -0.187179 |
| 111 (12/11/2024) | 20 (12/10/2013) | (111 - 20)/(44 - 4) | 2.275 |
| 37.3 (2/18/2025) | 20 (12/10/2013) | (37.3 - 20)/(45 - 4) | 0.421951 |
| | | | |
| 30 (6/26/2014) | 33 (2/6/2014) | (30 - 33)/(6 - 5) | -3 |
| 18 (9/30/2014) | 33 (2/6/2014) | (18 - 33)/(7 - 5) | -7.5 |
| 19 (11/19/2014) | 33 (2/6/2014) | (19 - 33)/(8 - 5) | -4.66667 |
| 16 (3/23/2015) | 33 (2/6/2014) | (16 - 33)/(9 - 5) | -4.25 |
| 14 (4/22/2015) | 33 (2/6/2014) | (14 - 33)/(10 - 5) | -3.8 |
| 24.4 (9/30/2015) | 33 (2/6/2014) | (24.4 - 33)/(11 - 5) | -1.43333 |
| 37.8 (11/19/2015) | 33 (2/6/2014) | (37.8 - 33)/(12 - 5) | 0.685714 |
| 78.8 (3/15/2016) | 33 (2/6/2014) | (78.8 - 33)/(13 - 5) | 5.725 |
| 15.3 (6/29/2016) | 33 (2/6/2014) | (15.3 - 33)/(14 - 5) | -1.96667 |
| 10.8 (8/9/2016) | 33 (2/6/2014) | (10.8 - 33)/(15 - 5) | -2.22 |
| 9.4 (12/7/2016) | 33 (2/6/2014) | (9.4 - 33)/(16 - 5) | -2.14545 |
| 17 (3/2/2017) | 33 (2/6/2014) | (17 - 33)/(17 - 5) | -1.33333 |
| 16.3 (7/5/2017) | 33 (2/6/2014) | (16.3 - 33)/(18 - 5) | -1.28462 |
| 18.5 (8/16/2017) | 33 (2/6/2014) | (18.5 - 33)/(19 - 5) | -1.03571 |
| 49.7 (10/25/2017) | 33 (2/6/2014) | (49.7 - 33)/(20 - 5) | 1.11333 |
| 11.2 (3/28/2018) | 33 (2/6/2014) | (11.2 - 33)/(21 - 5) | -1.3625 |
| 115 (6/29/2018) | 33 (2/6/2014) | (115 - 33)/(22 - 5) | 4.82353 |
| 56 (8/2/2018) | 33 (2/6/2014) | (56 - 33)/(23 - 5) | 1.27778 |
| 27.1 (12/10/2018) | 33 (2/6/2014) | (27.1 - 33)/(24 - 5) | -0.310526 |
| 371 (4/15/2019) | 33 (2/6/2014) | (371 - 33)/(25 - 5) | 16.9 |
| 10.7 (6/12/2019) | 33 (2/6/2014) | (10.7 - 33)/(26 - 5) | -1.0619 |
| 7 (8/27/2019) | 33 (2/6/2014) | (7 - 33)/(27 - 5) | -1.18182 |
| 15.4 (10/29/2019) | 33 (2/6/2014) | (15.4 - 33)/(28 - 5) | -0.765217 |
| 18.2 (3/30/2020) | 33 (2/6/2014) | (18.2 - 33)/(29 - 5) | -0.616667 |
| 10.1 (6/16/2020) | 33 (2/6/2014) | (10.1 - 33)/(30 - 5) | -0.916 |
| 10.7 (9/21/2020) | 33 (2/6/2014) | (10.7 - 33)/(31 - 5) | -0.857692 |
| 267 (9/2/2021) | 33 (2/6/2014) | (267 - 33)/(32 - 5) | 8.66667 |
| 15.4 (1/11/2022) | 33 (2/6/2014) | (15.4 - 33)/(33 - 5) | -0.628571 |
| 27 (4/7/2022) | 33 (2/6/2014) | (27 - 33)/(34 - 5) | -0.206897 |
| 5.6 (8/2/2022) | 33 (2/6/2014) | (5.6 - 33)/(35 - 5) | -0.913333 |
| 10.3 (11/16/2022) | 33 (2/6/2014) | (10.3 - 33)/(36 - 5) | -0.732258 |
| 66.4 (2/14/2023) | 33 (2/6/2014) | (66.4 - 33)/(37 - 5) | 1.04375 |
| 11 (5/25/2023) | 33 (2/6/2014) | (11 - 33)/(38 - 5) | -0.666667 |
| 14.4 (8/7/2023) | 33 (2/6/2014) | (14.4 - 33)/(39 - 5) | -0.547059 |
| 13.4 (12/12/2023) | 33 (2/6/2014) | (13.4 - 33)/(40 - 5) | -0.56 |
| 44.8 (1/10/2024) | 33 (2/6/2014) | (44.8 - 33)/(41 - 5) | 0.327778 |
| 24.6 (5/21/2024) | 33 (2/6/2014) | (24.6 - 33)/(42 - 5) | -0.227027 |
| 12.7 (9/16/2024) | 33 (2/6/2014) | (12.7 - 33)/(43 - 5) | -0.534211 |
| 111 (12/11/2024) | 33 (2/6/2014) | (111 - 33)/(44 - 5) | 2 |
| 37.3 (2/18/2025) | 33 (2/6/2014) | (37.3 - 33)/(45 - 5) | 0.1075 |
| | | | |
| 18 (9/30/2014) | 30 (6/26/2014) | (18 - 30)/(7 - 6) | -12 |
| 19 (11/19/2014) | 30 (6/26/2014) | (19 - 30)/(8 - 6) | -5.5 |
| 16 (3/23/2015) | 30 (6/26/2014) | (16 - 30)/(9 - 6) | -4.66667 |
| 14 (4/22/2015) | 30 (6/26/2014) | (14 - 30)/(10 - 6) | -4 |

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| 24.4 (9/30/2015) | 30 (6/26/2014) | (24.4 - 30)/(11 - 6) | -1.12 |
| 37.8 (11/19/2015) | 30 (6/26/2014) | (37.8 - 30)/(12 - 6) | 1.3 |
| 78.8 (3/15/2016) | 30 (6/26/2014) | (78.8 - 30)/(13 - 6) | 6.97143 |
| 15.3 (6/29/2016) | 30 (6/26/2014) | (15.3 - 30)/(14 - 6) | -1.8375 |
| 10.8 (8/9/2016) | 30 (6/26/2014) | (10.8 - 30)/(15 - 6) | -2.13333 |
| 9.4 (12/7/2016) | 30 (6/26/2014) | (9.4 - 30)/(16 - 6) | -2.06 |
| 17 (3/2/2017) | 30 (6/26/2014) | (17 - 30)/(17 - 6) | -1.18182 |
| 16.3 (7/5/2017) | 30 (6/26/2014) | (16.3 - 30)/(18 - 6) | -1.14167 |
| 18.5 (8/16/2017) | 30 (6/26/2014) | (18.5 - 30)/(19 - 6) | -0.884615 |
| 49.7 (10/25/2017) | 30 (6/26/2014) | (49.7 - 30)/(20 - 6) | 1.40714 |
| 11.2 (3/28/2018) | 30 (6/26/2014) | (11.2 - 30)/(21 - 6) | -1.25333 |
| 115 (6/29/2018) | 30 (6/26/2014) | (115 - 30)/(22 - 6) | 5.3125 |
| 56 (8/2/2018) | 30 (6/26/2014) | (56 - 30)/(23 - 6) | 1.52941 |
| 27.1 (12/10/2018) | 30 (6/26/2014) | (27.1 - 30)/(24 - 6) | -0.161111 |
| 371 (4/15/2019) | 30 (6/26/2014) | (371 - 30)/(25 - 6) | 17.9474 |
| 10.7 (6/12/2019) | 30 (6/26/2014) | (10.7 - 30)/(26 - 6) | -0.965 |
| 7 (8/27/2019) | 30 (6/26/2014) | (7 - 30)/(27 - 6) | -1.09524 |
| 15.4 (10/29/2019) | 30 (6/26/2014) | (15.4 - 30)/(28 - 6) | -0.663636 |
| 18.2 (3/30/2020) | 30 (6/26/2014) | (18.2 - 30)/(29 - 6) | -0.513043 |
| 10.1 (6/16/2020) | 30 (6/26/2014) | (10.1 - 30)/(30 - 6) | -0.829167 |
| 10.7 (9/21/2020) | 30 (6/26/2014) | (10.7 - 30)/(31 - 6) | -0.772 |
| 267 (9/2/2021) | 30 (6/26/2014) | (267 - 30)/(32 - 6) | 9.11538 |
| 15.4 (1/11/2022) | 30 (6/26/2014) | (15.4 - 30)/(33 - 6) | -0.540741 |
| 27 (4/7/2022) | 30 (6/26/2014) | (27 - 30)/(34 - 6) | -0.107143 |
| 5.6 (8/2/2022) | 30 (6/26/2014) | (5.6 - 30)/(35 - 6) | -0.841379 |
| 10.3 (11/16/2022) | 30 (6/26/2014) | (10.3 - 30)/(36 - 6) | -0.656667 |
| 66.4 (2/14/2023) | 30 (6/26/2014) | (66.4 - 30)/(37 - 6) | 1.17419 |
| 11 (5/25/2023) | 30 (6/26/2014) | (11 - 30)/(38 - 6) | -0.59375 |
| 14.4 (8/7/2023) | 30 (6/26/2014) | (14.4 - 30)/(39 - 6) | -0.472727 |
| 13.4 (12/12/2023) | 30 (6/26/2014) | (13.4 - 30)/(40 - 6) | -0.488235 |
| 44.8 (1/10/2024) | 30 (6/26/2014) | (44.8 - 30)/(41 - 6) | 0.422857 |
| 24.6 (5/21/2024) | 30 (6/26/2014) | (24.6 - 30)/(42 - 6) | -0.15 |
| 12.7 (9/16/2024) | 30 (6/26/2014) | (12.7 - 30)/(43 - 6) | -0.467568 |
| 111 (12/11/2024) | 30 (6/26/2014) | (111 - 30)/(44 - 6) | 2.13158 |
| 37.3 (2/18/2025) | 30 (6/26/2014) | (37.3 - 30)/(45 - 6) | 0.187179 |
| | | | |
| 19 (11/19/2014) | 18 (9/30/2014) | (19 - 18)/(8 - 7) | 1 |
| 16 (3/23/2015) | 18 (9/30/2014) | (16 - 18)/(9 - 7) | -1 |
| 14 (4/22/2015) | 18 (9/30/2014) | (14 - 18)/(10 - 7) | -1.33333 |
| 24.4 (9/30/2015) | 18 (9/30/2014) | (24.4 - 18)/(11 - 7) | 1.6 |
| 37.8 (11/19/2015) | 18 (9/30/2014) | (37.8 - 18)/(12 - 7) | 3.96 |
| 78.8 (3/15/2016) | 18 (9/30/2014) | (78.8 - 18)/(13 - 7) | 10.1333 |
| 15.3 (6/29/2016) | 18 (9/30/2014) | (15.3 - 18)/(14 - 7) | -0.385714 |
| 10.8 (8/9/2016) | 18 (9/30/2014) | (10.8 - 18)/(15 - 7) | -0.9 |
| 9.4 (12/7/2016) | 18 (9/30/2014) | (9.4 - 18)/(16 - 7) | -0.955556 |
| 17 (3/2/2017) | 18 (9/30/2014) | (17 - 18)/(17 - 7) | -0.1 |
| 16.3 (7/5/2017) | 18 (9/30/2014) | (16.3 - 18)/(18 - 7) | -0.154545 |
| 18.5 (8/16/2017) | 18 (9/30/2014) | (18.5 - 18)/(19 - 7) | 0.0416667 |
| 49.7 (10/25/2017) | 18 (9/30/2014) | (49.7 - 18)/(20 - 7) | 2.43846 |
| 11.2 (3/28/2018) | 18 (9/30/2014) | (11.2 - 18)/(21 - 7) | -0.485714 |
| 115 (6/29/2018) | 18 (9/30/2014) | (115 - 18)/(22 - 7) | 6.46667 |
| 56 (8/2/2018) | 18 (9/30/2014) | (56 - 18)/(23 - 7) | 2.375 |
| 27.1 (12/10/2018) | 18 (9/30/2014) | (27.1 - 18)/(24 - 7) | 0.535294 |
| 371 (4/15/2019) | 18 (9/30/2014) | (371 - 18)/(25 - 7) | 19.6111 |
| 10.7 (6/12/2019) | 18 (9/30/2014) | (10.7 - 18)/(26 - 7) | -0.384211 |
| 7 (8/27/2019) | 18 (9/30/2014) | (7 - 18)/(27 - 7) | -0.55 |
| 15.4 (10/29/2019) | 18 (9/30/2014) | (15.4 - 18)/(28 - 7) | -0.12381 |

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| 18.2 (3/30/2020) | 18 (9/30/2014) | (18.2 - 18)/(29 - 7) | 0.00909091 |
| 10.1 (6/16/2020) | 18 (9/30/2014) | (10.1 - 18)/(30 - 7) | -0.343478 |
| 10.7 (9/21/2020) | 18 (9/30/2014) | (10.7 - 18)/(31 - 7) | -0.304167 |
| 267 (9/2/2021) | 18 (9/30/2014) | (267 - 18)/(32 - 7) | 9.96 |
| 15.4 (1/11/2022) | 18 (9/30/2014) | (15.4 - 18)/(33 - 7) | -0.1 |
| 27 (4/7/2022) | 18 (9/30/2014) | (27 - 18)/(34 - 7) | 0.333333 |
| 5.6 (8/2/2022) | 18 (9/30/2014) | (5.6 - 18)/(35 - 7) | -0.442857 |
| 10.3 (11/16/2022) | 18 (9/30/2014) | (10.3 - 18)/(36 - 7) | -0.265517 |
| 66.4 (2/14/2023) | 18 (9/30/2014) | (66.4 - 18)/(37 - 7) | 1.61333 |
| 11 (5/25/2023) | 18 (9/30/2014) | (11 - 18)/(38 - 7) | -0.225806 |
| 14.4 (8/7/2023) | 18 (9/30/2014) | (14.4 - 18)/(39 - 7) | -0.1125 |
| 13.4 (12/12/2023) | 18 (9/30/2014) | (13.4 - 18)/(40 - 7) | -0.139394 |
| 44.8 (1/10/2024) | 18 (9/30/2014) | (44.8 - 18)/(41 - 7) | 0.788235 |
| 24.6 (5/21/2024) | 18 (9/30/2014) | (24.6 - 18)/(42 - 7) | 0.188571 |
| 12.7 (9/16/2024) | 18 (9/30/2014) | (12.7 - 18)/(43 - 7) | -0.147222 |
| 111 (12/11/2024) | 18 (9/30/2014) | (111 - 18)/(44 - 7) | 2.51351 |
| 37.3 (2/18/2025) | 18 (9/30/2014) | (37.3 - 18)/(45 - 7) | 0.507895 |
| | | | |
| 16 (3/23/2015) | 19 (11/19/2014) | (16 - 19)/(9 - 8) | -3 |
| 14 (4/22/2015) | 19 (11/19/2014) | (14 - 19)/(10 - 8) | -2.5 |
| 24.4 (9/30/2015) | 19 (11/19/2014) | (24.4 - 19)/(11 - 8) | 1.8 |
| 37.8 (11/19/2015) | 19 (11/19/2014) | (37.8 - 19)/(12 - 8) | 4.7 |
| 78.8 (3/15/2016) | 19 (11/19/2014) | (78.8 - 19)/(13 - 8) | 11.96 |
| 15.3 (6/29/2016) | 19 (11/19/2014) | (15.3 - 19)/(14 - 8) | -0.616667 |
| 10.8 (8/9/2016) | 19 (11/19/2014) | (10.8 - 19)/(15 - 8) | -1.17143 |
| 9.4 (12/7/2016) | 19 (11/19/2014) | (9.4 - 19)/(16 - 8) | -1.2 |
| 17 (3/2/2017) | 19 (11/19/2014) | (17 - 19)/(17 - 8) | -0.222222 |
| 16.3 (7/5/2017) | 19 (11/19/2014) | (16.3 - 19)/(18 - 8) | -0.27 |
| 18.5 (8/16/2017) | 19 (11/19/2014) | (18.5 - 19)/(19 - 8) | -0.0454545 |
| 49.7 (10/25/2017) | 19 (11/19/2014) | (49.7 - 19)/(20 - 8) | 2.55833 |
| 11.2 (3/28/2018) | 19 (11/19/2014) | (11.2 - 19)/(21 - 8) | -0.6 |
| 115 (6/29/2018) | 19 (11/19/2014) | (115 - 19)/(22 - 8) | 6.85714 |
| 56 (8/2/2018) | 19 (11/19/2014) | (56 - 19)/(23 - 8) | 2.46667 |
| 27.1 (12/10/2018) | 19 (11/19/2014) | (27.1 - 19)/(24 - 8) | 0.50625 |
| 371 (4/15/2019) | 19 (11/19/2014) | (371 - 19)/(25 - 8) | 20.7059 |
| 10.7 (6/12/2019) | 19 (11/19/2014) | (10.7 - 19)/(26 - 8) | -0.461111 |
| 7 (8/27/2019) | 19 (11/19/2014) | (7 - 19)/(27 - 8) | -0.631579 |
| 15.4 (10/29/2019) | 19 (11/19/2014) | (15.4 - 19)/(28 - 8) | -0.18 |
| 18.2 (3/30/2020) | 19 (11/19/2014) | (18.2 - 19)/(29 - 8) | -0.0380952 |
| 10.1 (6/16/2020) | 19 (11/19/2014) | (10.1 - 19)/(30 - 8) | -0.404545 |
| 10.7 (9/21/2020) | 19 (11/19/2014) | (10.7 - 19)/(31 - 8) | -0.36087 |
| 267 (9/2/2021) | 19 (11/19/2014) | (267 - 19)/(32 - 8) | 10.3333 |
| 15.4 (1/11/2022) | 19 (11/19/2014) | (15.4 - 19)/(33 - 8) | -0.144 |
| 27 (4/7/2022) | 19 (11/19/2014) | (27 - 19)/(34 - 8) | 0.307692 |
| 5.6 (8/2/2022) | 19 (11/19/2014) | (5.6 - 19)/(35 - 8) | -0.496296 |
| 10.3 (11/16/2022) | 19 (11/19/2014) | (10.3 - 19)/(36 - 8) | -0.310714 |
| 66.4 (2/14/2023) | 19 (11/19/2014) | (66.4 - 19)/(37 - 8) | 1.63448 |
| 11 (5/25/2023) | 19 (11/19/2014) | (11 - 19)/(38 - 8) | -0.266667 |
| 14.4 (8/7/2023) | 19 (11/19/2014) | (14.4 - 19)/(39 - 8) | -0.148387 |
| 13.4 (12/12/2023) | 19 (11/19/2014) | (13.4 - 19)/(40 - 8) | -0.175 |
| 44.8 (1/10/2024) | 19 (11/19/2014) | (44.8 - 19)/(41 - 8) | 0.781818 |
| 24.6 (5/21/2024) | 19 (11/19/2014) | (24.6 - 19)/(42 - 8) | 0.164706 |
| 12.7 (9/16/2024) | 19 (11/19/2014) | (12.7 - 19)/(43 - 8) | -0.18 |
| 111 (12/11/2024) | 19 (11/19/2014) | (111 - 19)/(44 - 8) | 2.55556 |
| 37.3 (2/18/2025) | 19 (11/19/2014) | (37.3 - 19)/(45 - 8) | 0.494595 |
| | | | |
| 14 (4/22/2015) | 16 (3/23/2015) | (14 - 16)/(10 - 9) | -2 |

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|---|---|---|---|
| 24.4 (9/30/2015) | 16 (3/23/2015) | (24.4 - 16)/(11 - 9) | 4.2 |
| 37.8 (11/19/2015) | 16 (3/23/2015) | (37.8 - 16)/(12 - 9) | 7.26667 |
| 78.8 (3/15/2016) | 16 (3/23/2015) | (78.8 - 16)/(13 - 9) | 15.7 |
| 15.3 (6/29/2016) | 16 (3/23/2015) | (15.3 - 16)/(14 - 9) | -0.14 |
| 10.8 (8/9/2016) | 16 (3/23/2015) | (10.8 - 16)/(15 - 9) | -0.866667 |
| 9.4 (12/7/2016) | 16 (3/23/2015) | (9.4 - 16)/(16 - 9) | -0.942857 |
| 17 (3/2/2017) | 16 (3/23/2015) | (17 - 16)/(17 - 9) | 0.125 |
| 16.3 (7/5/2017) | 16 (3/23/2015) | (16.3 - 16)/(18 - 9) | 0.0333333 |
| 18.5 (8/16/2017) | 16 (3/23/2015) | (18.5 - 16)/(19 - 9) | 0.25 |
| 49.7 (10/25/2017) | 16 (3/23/2015) | (49.7 - 16)/(20 - 9) | 3.06364 |
| 11.2 (3/28/2018) | 16 (3/23/2015) | (11.2 - 16)/(21 - 9) | -0.4 |
| 115 (6/29/2018) | 16 (3/23/2015) | (115 - 16)/(22 - 9) | 7.61538 |
| 56 (8/2/2018) | 16 (3/23/2015) | (56 - 16)/(23 - 9) | 2.85714 |
| 27.1 (12/10/2018) | 16 (3/23/2015) | (27.1 - 16)/(24 - 9) | 0.74 |
| 371 (4/15/2019) | 16 (3/23/2015) | (371 - 16)/(25 - 9) | 22.1875 |
| 10.7 (6/12/2019) | 16 (3/23/2015) | (10.7 - 16)/(26 - 9) | -0.311765 |
| 7 (8/27/2019) | 16 (3/23/2015) | (7 - 16)/(27 - 9) | -0.5 |
| 15.4 (10/29/2019) | 16 (3/23/2015) | (15.4 - 16)/(28 - 9) | -0.0315789 |
| 18.2 (3/30/2020) | 16 (3/23/2015) | (18.2 - 16)/(29 - 9) | 0.11 |
| 10.1 (6/16/2020) | 16 (3/23/2015) | (10.1 - 16)/(30 - 9) | -0.280952 |
| 10.7 (9/21/2020) | 16 (3/23/2015) | (10.7 - 16)/(31 - 9) | -0.240909 |
| 267 (9/2/2021) | 16 (3/23/2015) | (267 - 16)/(32 - 9) | 10.913 |
| 15.4 (1/11/2022) | 16 (3/23/2015) | (15.4 - 16)/(33 - 9) | -0.025 |
| 27 (4/7/2022) | 16 (3/23/2015) | (27 - 16)/(34 - 9) | 0.44 |
| 5.6 (8/2/2022) | 16 (3/23/2015) | (5.6 - 16)/(35 - 9) | -0.4 |
| 10.3 (11/16/2022) | 16 (3/23/2015) | (10.3 - 16)/(36 - 9) | -0.211111 |
| 66.4 (2/14/2023) | 16 (3/23/2015) | (66.4 - 16)/(37 - 9) | 1.8 |
| 11 (5/25/2023) | 16 (3/23/2015) | (11 - 16)/(38 - 9) | -0.172414 |
| 14.4 (8/7/2023) | 16 (3/23/2015) | (14.4 - 16)/(39 - 9) | -0.0533333 |
| 13.4 (12/12/2023) | 16 (3/23/2015) | (13.4 - 16)/(40 - 9) | -0.083871 |
| 44.8 (1/10/2024) | 16 (3/23/2015) | (44.8 - 16)/(41 - 9) | 0.9 |
| 24.6 (5/21/2024) | 16 (3/23/2015) | (24.6 - 16)/(42 - 9) | 0.260606 |
| 12.7 (9/16/2024) | 16 (3/23/2015) | (12.7 - 16)/(43 - 9) | -0.0970588 |
| 111 (12/11/2024) | 16 (3/23/2015) | (111 - 16)/(44 - 9) | 2.71429 |
| 37.3 (2/18/2025) | 16 (3/23/2015) | (37.3 - 16)/(45 - 9) | 0.591667 |
| | | | |
| 24.4 (9/30/2015) | 14 (4/22/2015) | (24.4 - 14)/(11 - 10) | 10.4 |
| 37.8 (11/19/2015) | 14 (4/22/2015) | (37.8 - 14)/(12 - 10) | 11.9 |
| 78.8 (3/15/2016) | 14 (4/22/2015) | (78.8 - 14)/(13 - 10) | 21.6 |
| 15.3 (6/29/2016) | 14 (4/22/2015) | (15.3 - 14)/(14 - 10) | 0.325 |
| 10.8 (8/9/2016) | 14 (4/22/2015) | (10.8 - 14)/(15 - 10) | -0.64 |
| 9.4 (12/7/2016) | 14 (4/22/2015) | (9.4 - 14)/(16 - 10) | -0.766667 |
| 17 (3/2/2017) | 14 (4/22/2015) | (17 - 14)/(17 - 10) | 0.428571 |
| 16.3 (7/5/2017) | 14 (4/22/2015) | (16.3 - 14)/(18 - 10) | 0.2875 |
| 18.5 (8/16/2017) | 14 (4/22/2015) | (18.5 - 14)/(19 - 10) | 0.5 |
| 49.7 (10/25/2017) | 14 (4/22/2015) | (49.7 - 14)/(20 - 10) | 3.57 |
| 11.2 (3/28/2018) | 14 (4/22/2015) | (11.2 - 14)/(21 - 10) | -0.254545 |
| 115 (6/29/2018) | 14 (4/22/2015) | (115 - 14)/(22 - 10) | 8.41667 |
| 56 (8/2/2018) | 14 (4/22/2015) | (56 - 14)/(23 - 10) | 3.23077 |
| 27.1 (12/10/2018) | 14 (4/22/2015) | (27.1 - 14)/(24 - 10) | 0.935714 |
| 371 (4/15/2019) | 14 (4/22/2015) | (371 - 14)/(25 - 10) | 23.8 |
| 10.7 (6/12/2019) | 14 (4/22/2015) | (10.7 - 14)/(26 - 10) | -0.20625 |
| 7 (8/27/2019) | 14 (4/22/2015) | (7 - 14)/(27 - 10) | -0.411765 |
| 15.4 (10/29/2019) | 14 (4/22/2015) | (15.4 - 14)/(28 - 10) | 0.0777778 |
| 18.2 (3/30/2020) | 14 (4/22/2015) | (18.2 - 14)/(29 - 10) | 0.221053 |
| 10.1 (6/16/2020) | 14 (4/22/2015) | (10.1 - 14)/(30 - 10) | -0.195 |
| 10.7 (9/21/2020) | 14 (4/22/2015) | (10.7 - 14)/(31 - 10) | -0.157143 |

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|---|---|---|---|
| 267 (9/2/2021) | 14 (4/22/2015) | (267 - 14)/(32 - 10) | 11.5 |
| 15.4 (1/11/2022) | 14 (4/22/2015) | (15.4 - 14)/(33 - 10) | 0.0608696 |
| 27 (4/7/2022) | 14 (4/22/2015) | (27 - 14)/(34 - 10) | 0.541667 |
| 5.6 (8/2/2022) | 14 (4/22/2015) | (5.6 - 14)/(35 - 10) | -0.336 |
| 10.3 (11/16/2022) | 14 (4/22/2015) | (10.3 - 14)/(36 - 10) | -0.142308 |
| 66.4 (2/14/2023) | 14 (4/22/2015) | (66.4 - 14)/(37 - 10) | 1.94074 |
| 11 (5/25/2023) | 14 (4/22/2015) | (11 - 14)/(38 - 10) | -0.107143 |
| 14.4 (8/7/2023) | 14 (4/22/2015) | (14.4 - 14)/(39 - 10) | 0.0137931 |
| 13.4 (12/12/2023) | 14 (4/22/2015) | (13.4 - 14)/(40 - 10) | -0.02 |
| 44.8 (1/10/2024) | 14 (4/22/2015) | (44.8 - 14)/(41 - 10) | 0.993548 |
| 24.6 (5/21/2024) | 14 (4/22/2015) | (24.6 - 14)/(42 - 10) | 0.33125 |
| 12.7 (9/16/2024) | 14 (4/22/2015) | (12.7 - 14)/(43 - 10) | -0.0393939 |
| 111 (12/11/2024) | 14 (4/22/2015) | (111 - 14)/(44 - 10) | 2.85294 |
| 37.3 (2/18/2025) | 14 (4/22/2015) | (37.3 - 14)/(45 - 10) | 0.665714 |
| | | | |
| 37.8 (11/19/2015) | 24.4 (9/30/2015) | (37.8 - 24.4)/(12 - 11) | 13.4 |
| 78.8 (3/15/2016) | 24.4 (9/30/2015) | (78.8 - 24.4)/(13 - 11) | 27.2 |
| 15.3 (6/29/2016) | 24.4 (9/30/2015) | (15.3 - 24.4)/(14 - 11) | -3.03333 |
| 10.8 (8/9/2016) | 24.4 (9/30/2015) | (10.8 - 24.4)/(15 - 11) | -3.4 |
| 9.4 (12/7/2016) | 24.4 (9/30/2015) | (9.4 - 24.4)/(16 - 11) | -3 |
| 17 (3/2/2017) | 24.4 (9/30/2015) | (17 - 24.4)/(17 - 11) | -1.23333 |
| 16.3 (7/5/2017) | 24.4 (9/30/2015) | (16.3 - 24.4)/(18 - 11) | -1.15714 |
| 18.5 (8/16/2017) | 24.4 (9/30/2015) | (18.5 - 24.4)/(19 - 11) | -0.7375 |
| 49.7 (10/25/2017) | 24.4 (9/30/2015) | (49.7 - 24.4)/(20 - 11) | 2.81111 |
| 11.2 (3/28/2018) | 24.4 (9/30/2015) | (11.2 - 24.4)/(21 - 11) | -1.32 |
| 115 (6/29/2018) | 24.4 (9/30/2015) | (115 - 24.4)/(22 - 11) | 8.23636 |
| 56 (8/2/2018) | 24.4 (9/30/2015) | (56 - 24.4)/(23 - 11) | 2.63333 |
| 27.1 (12/10/2018) | 24.4 (9/30/2015) | (27.1 - 24.4)/(24 - 11) | 0.207692 |
| 371 (4/15/2019) | 24.4 (9/30/2015) | (371 - 24.4)/(25 - 11) | 24.7571 |
| 10.7 (6/12/2019) | 24.4 (9/30/2015) | (10.7 - 24.4)/(26 - 11) | -0.913333 |
| 7 (8/27/2019) | 24.4 (9/30/2015) | (7 - 24.4)/(27 - 11) | -1.0875 |
| 15.4 (10/29/2019) | 24.4 (9/30/2015) | (15.4 - 24.4)/(28 - 11) | -0.529412 |
| 18.2 (3/30/2020) | 24.4 (9/30/2015) | (18.2 - 24.4)/(29 - 11) | -0.344444 |
| 10.1 (6/16/2020) | 24.4 (9/30/2015) | (10.1 - 24.4)/(30 - 11) | -0.752632 |
| 10.7 (9/21/2020) | 24.4 (9/30/2015) | (10.7 - 24.4)/(31 - 11) | -0.685 |
| 267 (9/2/2021) | 24.4 (9/30/2015) | (267 - 24.4)/(32 - 11) | 11.5524 |
| 15.4 (1/11/2022) | 24.4 (9/30/2015) | (15.4 - 24.4)/(33 - 11) | -0.409091 |
| 27 (4/7/2022) | 24.4 (9/30/2015) | (27 - 24.4)/(34 - 11) | 0.113043 |
| 5.6 (8/2/2022) | 24.4 (9/30/2015) | (5.6 - 24.4)/(35 - 11) | -0.783333 |
| 10.3 (11/16/2022) | 24.4 (9/30/2015) | (10.3 - 24.4)/(36 - 11) | -0.564 |
| 66.4 (2/14/2023) | 24.4 (9/30/2015) | (66.4 - 24.4)/(37 - 11) | 1.61538 |
| 11 (5/25/2023) | 24.4 (9/30/2015) | (11 - 24.4)/(38 - 11) | -0.496296 |
| 14.4 (8/7/2023) | 24.4 (9/30/2015) | (14.4 - 24.4)/(39 - 11) | -0.357143 |
| 13.4 (12/12/2023) | 24.4 (9/30/2015) | (13.4 - 24.4)/(40 - 11) | -0.37931 |
| 44.8 (1/10/2024) | 24.4 (9/30/2015) | (44.8 - 24.4)/(41 - 11) | 0.68 |
| 24.6 (5/21/2024) | 24.4 (9/30/2015) | (24.6 - 24.4)/(42 - 11) | 0.00645161 |
| 12.7 (9/16/2024) | 24.4 (9/30/2015) | (12.7 - 24.4)/(43 - 11) | -0.365625 |
| 111 (12/11/2024) | 24.4 (9/30/2015) | (111 - 24.4)/(44 - 11) | 2.62424 |
| 37.3 (2/18/2025) | 24.4 (9/30/2015) | (37.3 - 24.4)/(45 - 11) | 0.379412 |
| | | | |
| 78.8 (3/15/2016) | 37.8 (11/19/2015) | (78.8 - 37.8)/(13 - 12) | 41 |
| 15.3 (6/29/2016) | 37.8 (11/19/2015) | (15.3 - 37.8)/(14 - 12) | -11.25 |
| 10.8 (8/9/2016) | 37.8 (11/19/2015) | (10.8 - 37.8)/(15 - 12) | -9 |
| 9.4 (12/7/2016) | 37.8 (11/19/2015) | (9.4 - 37.8)/(16 - 12) | -7.1 |
| 17 (3/2/2017) | 37.8 (11/19/2015) | (17 - 37.8)/(17 - 12) | -4.16 |
| 16.3 (7/5/2017) | 37.8 (11/19/2015) | (16.3 - 37.8)/(18 - 12) | -3.58333 |
| 18.5 (8/16/2017) | 37.8 (11/19/2015) | (18.5 - 37.8)/(19 - 12) | -2.75714 |

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|---|---|---|---|
| 49.7 (10/25/2017) | 37.8 (11/19/2015) | (49.7 - 37.8)/(20 - 12) | 1.4875 |
| 11.2 (3/28/2018) | 37.8 (11/19/2015) | (11.2 - 37.8)/(21 - 12) | -2.95556 |
| 115 (6/29/2018) | 37.8 (11/19/2015) | (115 - 37.8)/(22 - 12) | 7.72 |
| 56 (8/2/2018) | 37.8 (11/19/2015) | (56 - 37.8)/(23 - 12) | 1.65455 |
| 27.1 (12/10/2018) | 37.8 (11/19/2015) | (27.1 - 37.8)/(24 - 12) | -0.891667 |
| 371 (4/15/2019) | 37.8 (11/19/2015) | (371 - 37.8)/(25 - 12) | 25.6308 |
| 10.7 (6/12/2019) | 37.8 (11/19/2015) | (10.7 - 37.8)/(26 - 12) | -1.93571 |
| 7 (8/27/2019) | 37.8 (11/19/2015) | (7 - 37.8)/(27 - 12) | -2.05333 |
| 15.4 (10/29/2019) | 37.8 (11/19/2015) | (15.4 - 37.8)/(28 - 12) | -1.4 |
| 18.2 (3/30/2020) | 37.8 (11/19/2015) | (18.2 - 37.8)/(29 - 12) | -1.15294 |
| 10.1 (6/16/2020) | 37.8 (11/19/2015) | (10.1 - 37.8)/(30 - 12) | -1.53889 |
| 10.7 (9/21/2020) | 37.8 (11/19/2015) | (10.7 - 37.8)/(31 - 12) | -1.42632 |
| 267 (9/2/2021) | 37.8 (11/19/2015) | (267 - 37.8)/(32 - 12) | 11.46 |
| 15.4 (1/11/2022) | 37.8 (11/19/2015) | (15.4 - 37.8)/(33 - 12) | -1.06667 |
| 27 (4/7/2022) | 37.8 (11/19/2015) | (27 - 37.8)/(34 - 12) | -0.490909 |
| 5.6 (8/2/2022) | 37.8 (11/19/2015) | (5.6 - 37.8)/(35 - 12) | -1.4 |
| 10.3 (11/16/2022) | 37.8 (11/19/2015) | (10.3 - 37.8)/(36 - 12) | -1.14583 |
| 66.4 (2/14/2023) | 37.8 (11/19/2015) | (66.4 - 37.8)/(37 - 12) | 1.144 |
| 11 (5/25/2023) | 37.8 (11/19/2015) | (11 - 37.8)/(38 - 12) | -1.03077 |
| 14.4 (8/7/2023) | 37.8 (11/19/2015) | (14.4 - 37.8)/(39 - 12) | -0.866667 |
| 13.4 (12/12/2023) | 37.8 (11/19/2015) | (13.4 - 37.8)/(40 - 12) | -0.871429 |
| 44.8 (1/10/2024) | 37.8 (11/19/2015) | (44.8 - 37.8)/(41 - 12) | 0.241379 |
| 24.6 (5/21/2024) | 37.8 (11/19/2015) | (24.6 - 37.8)/(42 - 12) | -0.44 |
| 12.7 (9/16/2024) | 37.8 (11/19/2015) | (12.7 - 37.8)/(43 - 12) | -0.809677 |
| 111 (12/11/2024) | 37.8 (11/19/2015) | (111 - 37.8)/(44 - 12) | 2.2875 |
| 37.3 (2/18/2025) | 37.8 (11/19/2015) | (37.3 - 37.8)/(45 - 12) | -0.0151515 |
| | | | |
| 15.3 (6/29/2016) | 78.8 (3/15/2016) | (15.3 - 78.8)/(14 - 13) | -63.5 |
| 10.8 (8/9/2016) | 78.8 (3/15/2016) | (10.8 - 78.8)/(15 - 13) | -34 |
| 9.4 (12/7/2016) | 78.8 (3/15/2016) | (9.4 - 78.8)/(16 - 13) | -23.1333 |
| 17 (3/2/2017) | 78.8 (3/15/2016) | (17 - 78.8)/(17 - 13) | -15.45 |
| 16.3 (7/5/2017) | 78.8 (3/15/2016) | (16.3 - 78.8)/(18 - 13) | -12.5 |
| 18.5 (8/16/2017) | 78.8 (3/15/2016) | (18.5 - 78.8)/(19 - 13) | -10.05 |
| 49.7 (10/25/2017) | 78.8 (3/15/2016) | (49.7 - 78.8)/(20 - 13) | -4.15714 |
| 11.2 (3/28/2018) | 78.8 (3/15/2016) | (11.2 - 78.8)/(21 - 13) | -8.45 |
| 115 (6/29/2018) | 78.8 (3/15/2016) | (115 - 78.8)/(22 - 13) | 4.02222 |
| 56 (8/2/2018) | 78.8 (3/15/2016) | (56 - 78.8)/(23 - 13) | -2.28 |
| 27.1 (12/10/2018) | 78.8 (3/15/2016) | (27.1 - 78.8)/(24 - 13) | -4.7 |
| 371 (4/15/2019) | 78.8 (3/15/2016) | (371 - 78.8)/(25 - 13) | 24.35 |
| 10.7 (6/12/2019) | 78.8 (3/15/2016) | (10.7 - 78.8)/(26 - 13) | -5.23846 |
| 7 (8/27/2019) | 78.8 (3/15/2016) | (7 - 78.8)/(27 - 13) | -5.12857 |
| 15.4 (10/29/2019) | 78.8 (3/15/2016) | (15.4 - 78.8)/(28 - 13) | -4.22667 |
| 18.2 (3/30/2020) | 78.8 (3/15/2016) | (18.2 - 78.8)/(29 - 13) | -3.7875 |
| 10.1 (6/16/2020) | 78.8 (3/15/2016) | (10.1 - 78.8)/(30 - 13) | -4.04118 |
| 10.7 (9/21/2020) | 78.8 (3/15/2016) | (10.7 - 78.8)/(31 - 13) | -3.78333 |
| 267 (9/2/2021) | 78.8 (3/15/2016) | (267 - 78.8)/(32 - 13) | 9.90526 |
| 15.4 (1/11/2022) | 78.8 (3/15/2016) | (15.4 - 78.8)/(33 - 13) | -3.17 |
| 27 (4/7/2022) | 78.8 (3/15/2016) | (27 - 78.8)/(34 - 13) | -2.46667 |
| 5.6 (8/2/2022) | 78.8 (3/15/2016) | (5.6 - 78.8)/(35 - 13) | -3.32727 |
| 10.3 (11/16/2022) | 78.8 (3/15/2016) | (10.3 - 78.8)/(36 - 13) | -2.97826 |
| 66.4 (2/14/2023) | 78.8 (3/15/2016) | (66.4 - 78.8)/(37 - 13) | -0.516667 |
| 11 (5/25/2023) | 78.8 (3/15/2016) | (11 - 78.8)/(38 - 13) | -2.712 |
| 14.4 (8/7/2023) | 78.8 (3/15/2016) | (14.4 - 78.8)/(39 - 13) | -2.47692 |
| 13.4 (12/12/2023) | 78.8 (3/15/2016) | (13.4 - 78.8)/(40 - 13) | -2.42222 |
| 44.8 (1/10/2024) | 78.8 (3/15/2016) | (44.8 - 78.8)/(41 - 13) | -1.21429 |
| 24.6 (5/21/2024) | 78.8 (3/15/2016) | (24.6 - 78.8)/(42 - 13) | -1.86897 |
| 12.7 (9/16/2024) | 78.8 (3/15/2016) | (12.7 - 78.8)/(43 - 13) | -2.20333 |

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|---|---|---|---|
| 111 (12/11/2024) | 78.8 (3/15/2016) | (111 - 78.8)/(44 - 13) | 1.03871 |
| 37.3 (2/18/2025) | 78.8 (3/15/2016) | (37.3 - 78.8)/(45 - 13) | -1.29688 |
| | | | |
| 10.8 (8/9/2016) | 15.3 (6/29/2016) | (10.8 - 15.3)/(15 - 14) | -4.5 |
| 9.4 (12/7/2016) | 15.3 (6/29/2016) | (9.4 - 15.3)/(16 - 14) | -2.95 |
| 17 (3/2/2017) | 15.3 (6/29/2016) | (17 - 15.3)/(17 - 14) | 0.566667 |
| 16.3 (7/5/2017) | 15.3 (6/29/2016) | (16.3 - 15.3)/(18 - 14) | 0.25 |
| 18.5 (8/16/2017) | 15.3 (6/29/2016) | (18.5 - 15.3)/(19 - 14) | 0.64 |
| 49.7 (10/25/2017) | 15.3 (6/29/2016) | (49.7 - 15.3)/(20 - 14) | 5.73333 |
| 11.2 (3/28/2018) | 15.3 (6/29/2016) | (11.2 - 15.3)/(21 - 14) | -0.585714 |
| 115 (6/29/2018) | 15.3 (6/29/2016) | (115 - 15.3)/(22 - 14) | 12.4625 |
| 56 (8/2/2018) | 15.3 (6/29/2016) | (56 - 15.3)/(23 - 14) | 4.52222 |
| 27.1 (12/10/2018) | 15.3 (6/29/2016) | (27.1 - 15.3)/(24 - 14) | 1.18 |
| 371 (4/15/2019) | 15.3 (6/29/2016) | (371 - 15.3)/(25 - 14) | 32.3364 |
| 10.7 (6/12/2019) | 15.3 (6/29/2016) | (10.7 - 15.3)/(26 - 14) | -0.383333 |
| 7 (8/27/2019) | 15.3 (6/29/2016) | (7 - 15.3)/(27 - 14) | -0.638462 |
| 15.4 (10/29/2019) | 15.3 (6/29/2016) | (15.4 - 15.3)/(28 - 14) | 0.00714286 |
| 18.2 (3/30/2020) | 15.3 (6/29/2016) | (18.2 - 15.3)/(29 - 14) | 0.193333 |
| 10.1 (6/16/2020) | 15.3 (6/29/2016) | (10.1 - 15.3)/(30 - 14) | -0.325 |
| 10.7 (9/21/2020) | 15.3 (6/29/2016) | (10.7 - 15.3)/(31 - 14) | -0.270588 |
| 267 (9/2/2021) | 15.3 (6/29/2016) | (267 - 15.3)/(32 - 14) | 13.9833 |
| 15.4 (1/11/2022) | 15.3 (6/29/2016) | (15.4 - 15.3)/(33 - 14) | 0.00526316 |
| 27 (4/7/2022) | 15.3 (6/29/2016) | (27 - 15.3)/(34 - 14) | 0.585 |
| 5.6 (8/2/2022) | 15.3 (6/29/2016) | (5.6 - 15.3)/(35 - 14) | -0.461905 |
| 10.3 (11/16/2022) | 15.3 (6/29/2016) | (10.3 - 15.3)/(36 - 14) | -0.227273 |
| 66.4 (2/14/2023) | 15.3 (6/29/2016) | (66.4 - 15.3)/(37 - 14) | 2.22174 |
| 11 (5/25/2023) | 15.3 (6/29/2016) | (11 - 15.3)/(38 - 14) | -0.179167 |
| 14.4 (8/7/2023) | 15.3 (6/29/2016) | (14.4 - 15.3)/(39 - 14) | -0.036 |
| 13.4 (12/12/2023) | 15.3 (6/29/2016) | (13.4 - 15.3)/(40 - 14) | -0.0730769 |
| 44.8 (1/10/2024) | 15.3 (6/29/2016) | (44.8 - 15.3)/(41 - 14) | 1.09259 |
| 24.6 (5/21/2024) | 15.3 (6/29/2016) | (24.6 - 15.3)/(42 - 14) | 0.332143 |
| 12.7 (9/16/2024) | 15.3 (6/29/2016) | (12.7 - 15.3)/(43 - 14) | -0.0896552 |
| 111 (12/11/2024) | 15.3 (6/29/2016) | (111 - 15.3)/(44 - 14) | 3.19 |
| 37.3 (2/18/2025) | 15.3 (6/29/2016) | (37.3 - 15.3)/(45 - 14) | 0.709677 |
| | | | |
| 9.4 (12/7/2016) | 10.8 (8/9/2016) | (9.4 - 10.8)/(16 - 15) | -1.4 |
| 17 (3/2/2017) | 10.8 (8/9/2016) | (17 - 10.8)/(17 - 15) | 3.1 |
| 16.3 (7/5/2017) | 10.8 (8/9/2016) | (16.3 - 10.8)/(18 - 15) | 1.83333 |
| 18.5 (8/16/2017) | 10.8 (8/9/2016) | (18.5 - 10.8)/(19 - 15) | 1.925 |
| 49.7 (10/25/2017) | 10.8 (8/9/2016) | (49.7 - 10.8)/(20 - 15) | 7.78 |
| 11.2 (3/28/2018) | 10.8 (8/9/2016) | (11.2 - 10.8)/(21 - 15) | 0.0666667 |
| 115 (6/29/2018) | 10.8 (8/9/2016) | (115 - 10.8)/(22 - 15) | 14.8857 |
| 56 (8/2/2018) | 10.8 (8/9/2016) | (56 - 10.8)/(23 - 15) | 5.65 |
| 27.1 (12/10/2018) | 10.8 (8/9/2016) | (27.1 - 10.8)/(24 - 15) | 1.81111 |
| 371 (4/15/2019) | 10.8 (8/9/2016) | (371 - 10.8)/(25 - 15) | 36.02 |
| 10.7 (6/12/2019) | 10.8 (8/9/2016) | (10.7 - 10.8)/(26 - 15) | -0.00909091 |
| 7 (8/27/2019) | 10.8 (8/9/2016) | (7 - 10.8)/(27 - 15) | -0.316667 |
| 15.4 (10/29/2019) | 10.8 (8/9/2016) | (15.4 - 10.8)/(28 - 15) | 0.353846 |
| 18.2 (3/30/2020) | 10.8 (8/9/2016) | (18.2 - 10.8)/(29 - 15) | 0.528571 |
| 10.1 (6/16/2020) | 10.8 (8/9/2016) | (10.1 - 10.8)/(30 - 15) | -0.0466667 |
| 10.7 (9/21/2020) | 10.8 (8/9/2016) | (10.7 - 10.8)/(31 - 15) | -0.00625 |
| 267 (9/2/2021) | 10.8 (8/9/2016) | (267 - 10.8)/(32 - 15) | 15.0706 |
| 15.4 (1/11/2022) | 10.8 (8/9/2016) | (15.4 - 10.8)/(33 - 15) | 0.255556 |
| 27 (4/7/2022) | 10.8 (8/9/2016) | (27 - 10.8)/(34 - 15) | 0.852632 |
| 5.6 (8/2/2022) | 10.8 (8/9/2016) | (5.6 - 10.8)/(35 - 15) | -0.26 |
| 10.3 (11/16/2022) | 10.8 (8/9/2016) | (10.3 - 10.8)/(36 - 15) | -0.0238095 |
| 66.4 (2/14/2023) | 10.8 (8/9/2016) | (66.4 - 10.8)/(37 - 15) | 2.52727 |

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|---|---|---|---|
| 11 (5/25/2023) | 10.8 (8/9/2016) | (11 - 10.8)/(38 - 15) | 0.00869565 |
| 14.4 (8/7/2023) | 10.8 (8/9/2016) | (14.4 - 10.8)/(39 - 15) | 0.15 |
| 13.4 (12/12/2023) | 10.8 (8/9/2016) | (13.4 - 10.8)/(40 - 15) | 0.104 |
| 44.8 (1/10/2024) | 10.8 (8/9/2016) | (44.8 - 10.8)/(41 - 15) | 1.30769 |
| 24.6 (5/21/2024) | 10.8 (8/9/2016) | (24.6 - 10.8)/(42 - 15) | 0.511111 |
| 12.7 (9/16/2024) | 10.8 (8/9/2016) | (12.7 - 10.8)/(43 - 15) | 0.0678571 |
| 111 (12/11/2024) | 10.8 (8/9/2016) | (111 - 10.8)/(44 - 15) | 3.45517 |
| 37.3 (2/18/2025) | 10.8 (8/9/2016) | (37.3 - 10.8)/(45 - 15) | 0.883333 |
| | | | |
| 17 (3/2/2017) | 9.4 (12/7/2016) | (17 - 9.4)/(17 - 16) | 7.6 |
| 16.3 (7/5/2017) | 9.4 (12/7/2016) | (16.3 - 9.4)/(18 - 16) | 3.45 |
| 18.5 (8/16/2017) | 9.4 (12/7/2016) | (18.5 - 9.4)/(19 - 16) | 3.03333 |
| 49.7 (10/25/2017) | 9.4 (12/7/2016) | (49.7 - 9.4)/(20 - 16) | 10.075 |
| 11.2 (3/28/2018) | 9.4 (12/7/2016) | (11.2 - 9.4)/(21 - 16) | 0.36 |
| 115 (6/29/2018) | 9.4 (12/7/2016) | (115 - 9.4)/(22 - 16) | 17.6 |
| 56 (8/2/2018) | 9.4 (12/7/2016) | (56 - 9.4)/(23 - 16) | 6.65714 |
| 27.1 (12/10/2018) | 9.4 (12/7/2016) | (27.1 - 9.4)/(24 - 16) | 2.2125 |
| 371 (4/15/2019) | 9.4 (12/7/2016) | (371 - 9.4)/(25 - 16) | 40.1778 |
| 10.7 (6/12/2019) | 9.4 (12/7/2016) | (10.7 - 9.4)/(26 - 16) | 0.13 |
| 7 (8/27/2019) | 9.4 (12/7/2016) | (7 - 9.4)/(27 - 16) | -0.218182 |
| 15.4 (10/29/2019) | 9.4 (12/7/2016) | (15.4 - 9.4)/(28 - 16) | 0.5 |
| 18.2 (3/30/2020) | 9.4 (12/7/2016) | (18.2 - 9.4)/(29 - 16) | 0.676923 |
| 10.1 (6/16/2020) | 9.4 (12/7/2016) | (10.1 - 9.4)/(30 - 16) | 0.05 |
| 10.7 (9/21/2020) | 9.4 (12/7/2016) | (10.7 - 9.4)/(31 - 16) | 0.0866667 |
| 267 (9/2/2021) | 9.4 (12/7/2016) | (267 - 9.4)/(32 - 16) | 16.1 |
| 15.4 (1/11/2022) | 9.4 (12/7/2016) | (15.4 - 9.4)/(33 - 16) | 0.352941 |
| 27 (4/7/2022) | 9.4 (12/7/2016) | (27 - 9.4)/(34 - 16) | 0.977778 |
| 5.6 (8/2/2022) | 9.4 (12/7/2016) | (5.6 - 9.4)/(35 - 16) | -0.2 |
| 10.3 (11/16/2022) | 9.4 (12/7/2016) | (10.3 - 9.4)/(36 - 16) | 0.045 |
| 66.4 (2/14/2023) | 9.4 (12/7/2016) | (66.4 - 9.4)/(37 - 16) | 2.71429 |
| 11 (5/25/2023) | 9.4 (12/7/2016) | (11 - 9.4)/(38 - 16) | 0.0727273 |
| 14.4 (8/7/2023) | 9.4 (12/7/2016) | (14.4 - 9.4)/(39 - 16) | 0.217391 |
| 13.4 (12/12/2023) | 9.4 (12/7/2016) | (13.4 - 9.4)/(40 - 16) | 0.166667 |
| 44.8 (1/10/2024) | 9.4 (12/7/2016) | (44.8 - 9.4)/(41 - 16) | 1.416 |
| 24.6 (5/21/2024) | 9.4 (12/7/2016) | (24.6 - 9.4)/(42 - 16) | 0.584615 |
| 12.7 (9/16/2024) | 9.4 (12/7/2016) | (12.7 - 9.4)/(43 - 16) | 0.122222 |
| 111 (12/11/2024) | 9.4 (12/7/2016) | (111 - 9.4)/(44 - 16) | 3.62857 |
| 37.3 (2/18/2025) | 9.4 (12/7/2016) | (37.3 - 9.4)/(45 - 16) | 0.962069 |
| | | | |
| 16.3 (7/5/2017) | 17 (3/2/2017) | (16.3 - 17)/(18 - 17) | -0.7 |
| 18.5 (8/16/2017) | 17 (3/2/2017) | (18.5 - 17)/(19 - 17) | 0.75 |
| 49.7 (10/25/2017) | 17 (3/2/2017) | (49.7 - 17)/(20 - 17) | 10.9 |
| 11.2 (3/28/2018) | 17 (3/2/2017) | (11.2 - 17)/(21 - 17) | -1.45 |
| 115 (6/29/2018) | 17 (3/2/2017) | (115 - 17)/(22 - 17) | 19.6 |
| 56 (8/2/2018) | 17 (3/2/2017) | (56 - 17)/(23 - 17) | 6.5 |
| 27.1 (12/10/2018) | 17 (3/2/2017) | (27.1 - 17)/(24 - 17) | 1.44286 |
| 371 (4/15/2019) | 17 (3/2/2017) | (371 - 17)/(25 - 17) | 44.25 |
| 10.7 (6/12/2019) | 17 (3/2/2017) | (10.7 - 17)/(26 - 17) | -0.7 |
| 7 (8/27/2019) | 17 (3/2/2017) | (7 - 17)/(27 - 17) | -1 |
| 15.4 (10/29/2019) | 17 (3/2/2017) | (15.4 - 17)/(28 - 17) | -0.145455 |
| 18.2 (3/30/2020) | 17 (3/2/2017) | (18.2 - 17)/(29 - 17) | 0.1 |
| 10.1 (6/16/2020) | 17 (3/2/2017) | (10.1 - 17)/(30 - 17) | -0.530769 |
| 10.7 (9/21/2020) | 17 (3/2/2017) | (10.7 - 17)/(31 - 17) | -0.45 |
| 267 (9/2/2021) | 17 (3/2/2017) | (267 - 17)/(32 - 17) | 16.6667 |
| 15.4 (1/11/2022) | 17 (3/2/2017) | (15.4 - 17)/(33 - 17) | -0.1 |
| 27 (4/7/2022) | 17 (3/2/2017) | (27 - 17)/(34 - 17) | 0.588235 |
| 5.6 (8/2/2022) | 17 (3/2/2017) | (5.6 - 17)/(35 - 17) | -0.633333 |

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| 10.3 (11/16/2022) | 17 (3/2/2017) | (10.3 - 17)/(36 - 17) | -0.352632 |
| 66.4 (2/14/2023) | 17 (3/2/2017) | (66.4 - 17)/(37 - 17) | 2.47 |
| 11 (5/25/2023) | 17 (3/2/2017) | (11 - 17)/(38 - 17) | -0.285714 |
| 14.4 (8/7/2023) | 17 (3/2/2017) | (14.4 - 17)/(39 - 17) | -0.118182 |
| 13.4 (12/12/2023) | 17 (3/2/2017) | (13.4 - 17)/(40 - 17) | -0.156522 |
| 44.8 (1/10/2024) | 17 (3/2/2017) | (44.8 - 17)/(41 - 17) | 1.15833 |
| 24.6 (5/21/2024) | 17 (3/2/2017) | (24.6 - 17)/(42 - 17) | 0.304 |
| 12.7 (9/16/2024) | 17 (3/2/2017) | (12.7 - 17)/(43 - 17) | -0.165385 |
| 111 (12/11/2024) | 17 (3/2/2017) | (111 - 17)/(44 - 17) | 3.48148 |
| 37.3 (2/18/2025) | 17 (3/2/2017) | (37.3 - 17)/(45 - 17) | 0.725 |
| | | | |
| 18.5 (8/16/2017) | 16.3 (7/5/2017) | (18.5 - 16.3)/(19 - 18) | 2.2 |
| 49.7 (10/25/2017) | 16.3 (7/5/2017) | (49.7 - 16.3)/(20 - 18) | 16.7 |
| 11.2 (3/28/2018) | 16.3 (7/5/2017) | (11.2 - 16.3)/(21 - 18) | -1.7 |
| 115 (6/29/2018) | 16.3 (7/5/2017) | (115 - 16.3)/(22 - 18) | 24.675 |
| 56 (8/2/2018) | 16.3 (7/5/2017) | (56 - 16.3)/(23 - 18) | 7.94 |
| 27.1 (12/10/2018) | 16.3 (7/5/2017) | (27.1 - 16.3)/(24 - 18) | 1.8 |
| 371 (4/15/2019) | 16.3 (7/5/2017) | (371 - 16.3)/(25 - 18) | 50.6714 |
| 10.7 (6/12/2019) | 16.3 (7/5/2017) | (10.7 - 16.3)/(26 - 18) | -0.7 |
| 7 (8/27/2019) | 16.3 (7/5/2017) | (7 - 16.3)/(27 - 18) | -1.03333 |
| 15.4 (10/29/2019) | 16.3 (7/5/2017) | (15.4 - 16.3)/(28 - 18) | -0.09 |
| 18.2 (3/30/2020) | 16.3 (7/5/2017) | (18.2 - 16.3)/(29 - 18) | 0.172727 |
| 10.1 (6/16/2020) | 16.3 (7/5/2017) | (10.1 - 16.3)/(30 - 18) | -0.516667 |
| 10.7 (9/21/2020) | 16.3 (7/5/2017) | (10.7 - 16.3)/(31 - 18) | -0.430769 |
| 267 (9/2/2021) | 16.3 (7/5/2017) | (267 - 16.3)/(32 - 18) | 17.9071 |
| 15.4 (1/11/2022) | 16.3 (7/5/2017) | (15.4 - 16.3)/(33 - 18) | -0.06 |
| 27 (4/7/2022) | 16.3 (7/5/2017) | (27 - 16.3)/(34 - 18) | 0.66875 |
| 5.6 (8/2/2022) | 16.3 (7/5/2017) | (5.6 - 16.3)/(35 - 18) | -0.629412 |
| 10.3 (11/16/2022) | 16.3 (7/5/2017) | (10.3 - 16.3)/(36 - 18) | -0.333333 |
| 66.4 (2/14/2023) | 16.3 (7/5/2017) | (66.4 - 16.3)/(37 - 18) | 2.63684 |
| 11 (5/25/2023) | 16.3 (7/5/2017) | (11 - 16.3)/(38 - 18) | -0.265 |
| 14.4 (8/7/2023) | 16.3 (7/5/2017) | (14.4 - 16.3)/(39 - 18) | -0.0904762 |
| 13.4 (12/12/2023) | 16.3 (7/5/2017) | (13.4 - 16.3)/(40 - 18) | -0.131818 |
| 44.8 (1/10/2024) | 16.3 (7/5/2017) | (44.8 - 16.3)/(41 - 18) | 1.23913 |
| 24.6 (5/21/2024) | 16.3 (7/5/2017) | (24.6 - 16.3)/(42 - 18) | 0.345833 |
| 12.7 (9/16/2024) | 16.3 (7/5/2017) | (12.7 - 16.3)/(43 - 18) | -0.144 |
| 111 (12/11/2024) | 16.3 (7/5/2017) | (111 - 16.3)/(44 - 18) | 3.64231 |
| 37.3 (2/18/2025) | 16.3 (7/5/2017) | (37.3 - 16.3)/(45 - 18) | 0.777778 |
| | | | |
| 49.7 (10/25/2017) | 18.5 (8/16/2017) | (49.7 - 18.5)/(20 - 19) | 31.2 |
| 11.2 (3/28/2018) | 18.5 (8/16/2017) | (11.2 - 18.5)/(21 - 19) | -3.65 |
| 115 (6/29/2018) | 18.5 (8/16/2017) | (115 - 18.5)/(22 - 19) | 32.1667 |
| 56 (8/2/2018) | 18.5 (8/16/2017) | (56 - 18.5)/(23 - 19) | 9.375 |
| 27.1 (12/10/2018) | 18.5 (8/16/2017) | (27.1 - 18.5)/(24 - 19) | 1.72 |
| 371 (4/15/2019) | 18.5 (8/16/2017) | (371 - 18.5)/(25 - 19) | 58.75 |
| 10.7 (6/12/2019) | 18.5 (8/16/2017) | (10.7 - 18.5)/(26 - 19) | -1.11429 |
| 7 (8/27/2019) | 18.5 (8/16/2017) | (7 - 18.5)/(27 - 19) | -1.4375 |
| 15.4 (10/29/2019) | 18.5 (8/16/2017) | (15.4 - 18.5)/(28 - 19) | -0.344444 |
| 18.2 (3/30/2020) | 18.5 (8/16/2017) | (18.2 - 18.5)/(29 - 19) | -0.03 |
| 10.1 (6/16/2020) | 18.5 (8/16/2017) | (10.1 - 18.5)/(30 - 19) | -0.763636 |
| 10.7 (9/21/2020) | 18.5 (8/16/2017) | (10.7 - 18.5)/(31 - 19) | -0.65 |
| 267 (9/2/2021) | 18.5 (8/16/2017) | (267 - 18.5)/(32 - 19) | 19.1154 |
| 15.4 (1/11/2022) | 18.5 (8/16/2017) | (15.4 - 18.5)/(33 - 19) | -0.221429 |
| 27 (4/7/2022) | 18.5 (8/16/2017) | (27 - 18.5)/(34 - 19) | 0.566667 |
| 5.6 (8/2/2022) | 18.5 (8/16/2017) | (5.6 - 18.5)/(35 - 19) | -0.80625 |
| 10.3 (11/16/2022) | 18.5 (8/16/2017) | (10.3 - 18.5)/(36 - 19) | -0.482353 |
| 66.4 (2/14/2023) | 18.5 (8/16/2017) | (66.4 - 18.5)/(37 - 19) | 2.66111 |

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| 11 (5/25/2023) | 18.5 (8/16/2017) | (11 - 18.5)/(38 - 19) | -0.394737 |
| 14.4 (8/7/2023) | 18.5 (8/16/2017) | (14.4 - 18.5)/(39 - 19) | -0.205 |
| 13.4 (12/12/2023) | 18.5 (8/16/2017) | (13.4 - 18.5)/(40 - 19) | -0.242857 |
| 44.8 (1/10/2024) | 18.5 (8/16/2017) | (44.8 - 18.5)/(41 - 19) | 1.19545 |
| 24.6 (5/21/2024) | 18.5 (8/16/2017) | (24.6 - 18.5)/(42 - 19) | 0.265217 |
| 12.7 (9/16/2024) | 18.5 (8/16/2017) | (12.7 - 18.5)/(43 - 19) | -0.241667 |
| 111 (12/11/2024) | 18.5 (8/16/2017) | (111 - 18.5)/(44 - 19) | 3.7 |
| 37.3 (2/18/2025) | 18.5 (8/16/2017) | (37.3 - 18.5)/(45 - 19) | 0.723077 |
| | | | |
| 11.2 (3/28/2018) | 49.7 (10/25/2017) | (11.2 - 49.7)/(21 - 20) | -38.5 |
| 115 (6/29/2018) | 49.7 (10/25/2017) | (115 - 49.7)/(22 - 20) | 32.65 |
| 56 (8/2/2018) | 49.7 (10/25/2017) | (56 - 49.7)/(23 - 20) | 2.1 |
| 27.1 (12/10/2018) | 49.7 (10/25/2017) | (27.1 - 49.7)/(24 - 20) | -5.65 |
| 371 (4/15/2019) | 49.7 (10/25/2017) | (371 - 49.7)/(25 - 20) | 64.26 |
| 10.7 (6/12/2019) | 49.7 (10/25/2017) | (10.7 - 49.7)/(26 - 20) | -6.5 |
| 7 (8/27/2019) | 49.7 (10/25/2017) | (7 - 49.7)/(27 - 20) | -6.1 |
| 15.4 (10/29/2019) | 49.7 (10/25/2017) | (15.4 - 49.7)/(28 - 20) | -4.2875 |
| 18.2 (3/30/2020) | 49.7 (10/25/2017) | (18.2 - 49.7)/(29 - 20) | -3.5 |
| 10.1 (6/16/2020) | 49.7 (10/25/2017) | (10.1 - 49.7)/(30 - 20) | -3.96 |
| 10.7 (9/21/2020) | 49.7 (10/25/2017) | (10.7 - 49.7)/(31 - 20) | -3.54545 |
| 267 (9/2/2021) | 49.7 (10/25/2017) | (267 - 49.7)/(32 - 20) | 18.1083 |
| 15.4 (1/11/2022) | 49.7 (10/25/2017) | (15.4 - 49.7)/(33 - 20) | -2.63846 |
| 27 (4/7/2022) | 49.7 (10/25/2017) | (27 - 49.7)/(34 - 20) | -1.62143 |
| 5.6 (8/2/2022) | 49.7 (10/25/2017) | (5.6 - 49.7)/(35 - 20) | -2.94 |
| 10.3 (11/16/2022) | 49.7 (10/25/2017) | (10.3 - 49.7)/(36 - 20) | -2.4625 |
| 66.4 (2/14/2023) | 49.7 (10/25/2017) | (66.4 - 49.7)/(37 - 20) | 0.982353 |
| 11 (5/25/2023) | 49.7 (10/25/2017) | (11 - 49.7)/(38 - 20) | -2.15 |
| 14.4 (8/7/2023) | 49.7 (10/25/2017) | (14.4 - 49.7)/(39 - 20) | -1.85789 |
| 13.4 (12/12/2023) | 49.7 (10/25/2017) | (13.4 - 49.7)/(40 - 20) | -1.815 |
| 44.8 (1/10/2024) | 49.7 (10/25/2017) | (44.8 - 49.7)/(41 - 20) | -0.233333 |
| 24.6 (5/21/2024) | 49.7 (10/25/2017) | (24.6 - 49.7)/(42 - 20) | -1.14091 |
| 12.7 (9/16/2024) | 49.7 (10/25/2017) | (12.7 - 49.7)/(43 - 20) | -1.6087 |
| 111 (12/11/2024) | 49.7 (10/25/2017) | (111 - 49.7)/(44 - 20) | 2.55417 |
| 37.3 (2/18/2025) | 49.7 (10/25/2017) | (37.3 - 49.7)/(45 - 20) | -0.496 |
| | | | |
| 115 (6/29/2018) | 11.2 (3/28/2018) | (115 - 11.2)/(22 - 21) | 103.8 |
| 56 (8/2/2018) | 11.2 (3/28/2018) | (56 - 11.2)/(23 - 21) | 22.4 |
| 27.1 (12/10/2018) | 11.2 (3/28/2018) | (27.1 - 11.2)/(24 - 21) | 5.3 |
| 371 (4/15/2019) | 11.2 (3/28/2018) | (371 - 11.2)/(25 - 21) | 89.95 |
| 10.7 (6/12/2019) | 11.2 (3/28/2018) | (10.7 - 11.2)/(26 - 21) | -0.1 |
| 7 (8/27/2019) | 11.2 (3/28/2018) | (7 - 11.2)/(27 - 21) | -0.7 |
| 15.4 (10/29/2019) | 11.2 (3/28/2018) | (15.4 - 11.2)/(28 - 21) | 0.6 |
| 18.2 (3/30/2020) | 11.2 (3/28/2018) | (18.2 - 11.2)/(29 - 21) | 0.875 |
| 10.1 (6/16/2020) | 11.2 (3/28/2018) | (10.1 - 11.2)/(30 - 21) | -0.122222 |
| 10.7 (9/21/2020) | 11.2 (3/28/2018) | (10.7 - 11.2)/(31 - 21) | -0.05 |
| 267 (9/2/2021) | 11.2 (3/28/2018) | (267 - 11.2)/(32 - 21) | 23.2545 |
| 15.4 (1/11/2022) | 11.2 (3/28/2018) | (15.4 - 11.2)/(33 - 21) | 0.35 |
| 27 (4/7/2022) | 11.2 (3/28/2018) | (27 - 11.2)/(34 - 21) | 1.21538 |
| 5.6 (8/2/2022) | 11.2 (3/28/2018) | (5.6 - 11.2)/(35 - 21) | -0.4 |
| 10.3 (11/16/2022) | 11.2 (3/28/2018) | (10.3 - 11.2)/(36 - 21) | -0.06 |
| 66.4 (2/14/2023) | 11.2 (3/28/2018) | (66.4 - 11.2)/(37 - 21) | 3.45 |
| 11 (5/25/2023) | 11.2 (3/28/2018) | (11 - 11.2)/(38 - 21) | -0.0117647 |
| 14.4 (8/7/2023) | 11.2 (3/28/2018) | (14.4 - 11.2)/(39 - 21) | 0.177778 |
| 13.4 (12/12/2023) | 11.2 (3/28/2018) | (13.4 - 11.2)/(40 - 21) | 0.115789 |
| 44.8 (1/10/2024) | 11.2 (3/28/2018) | (44.8 - 11.2)/(41 - 21) | 1.68 |
| 24.6 (5/21/2024) | 11.2 (3/28/2018) | (24.6 - 11.2)/(42 - 21) | 0.638095 |
| 12.7 (9/16/2024) | 11.2 (3/28/2018) | (12.7 - 11.2)/(43 - 21) | 0.0681818 |

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|---|---|---|---|
| 111 (12/11/2024) | 11.2 (3/28/2018) | (111 - 11.2)/(44 - 21) | 4.33913 |
| 37.3 (2/18/2025) | 11.2 (3/28/2018) | (37.3 - 11.2)/(45 - 21) | 1.0875 |
| | | | |
| 56 (8/2/2018) | 115 (6/29/2018) | (56 - 115)/(23 - 22) | -59 |
| 27.1 (12/10/2018) | 115 (6/29/2018) | (27.1 - 115)/(24 - 22) | -43.95 |
| 371 (4/15/2019) | 115 (6/29/2018) | (371 - 115)/(25 - 22) | 85.3333 |
| 10.7 (6/12/2019) | 115 (6/29/2018) | (10.7 - 115)/(26 - 22) | -26.075 |
| 7 (8/27/2019) | 115 (6/29/2018) | (7 - 115)/(27 - 22) | -21.6 |
| 15.4 (10/29/2019) | 115 (6/29/2018) | (15.4 - 115)/(28 - 22) | -16.6 |
| 18.2 (3/30/2020) | 115 (6/29/2018) | (18.2 - 115)/(29 - 22) | -13.8286 |
| 10.1 (6/16/2020) | 115 (6/29/2018) | (10.1 - 115)/(30 - 22) | -13.1125 |
| 10.7 (9/21/2020) | 115 (6/29/2018) | (10.7 - 115)/(31 - 22) | -11.5889 |
| 267 (9/2/2021) | 115 (6/29/2018) | (267 - 115)/(32 - 22) | 15.2 |
| 15.4 (1/11/2022) | 115 (6/29/2018) | (15.4 - 115)/(33 - 22) | -9.05455 |
| 27 (4/7/2022) | 115 (6/29/2018) | (27 - 115)/(34 - 22) | -7.33333 |
| 5.6 (8/2/2022) | 115 (6/29/2018) | (5.6 - 115)/(35 - 22) | -8.41538 |
| 10.3 (11/16/2022) | 115 (6/29/2018) | (10.3 - 115)/(36 - 22) | -7.47857 |
| 66.4 (2/14/2023) | 115 (6/29/2018) | (66.4 - 115)/(37 - 22) | -3.24 |
| 11 (5/25/2023) | 115 (6/29/2018) | (11 - 115)/(38 - 22) | -6.5 |
| 14.4 (8/7/2023) | 115 (6/29/2018) | (14.4 - 115)/(39 - 22) | -5.91765 |
| 13.4 (12/12/2023) | 115 (6/29/2018) | (13.4 - 115)/(40 - 22) | -5.64444 |
| 44.8 (1/10/2024) | 115 (6/29/2018) | (44.8 - 115)/(41 - 22) | -3.69474 |
| 24.6 (5/21/2024) | 115 (6/29/2018) | (24.6 - 115)/(42 - 22) | -4.52 |
| 12.7 (9/16/2024) | 115 (6/29/2018) | (12.7 - 115)/(43 - 22) | -4.87143 |
| 111 (12/11/2024) | 115 (6/29/2018) | (111 - 115)/(44 - 22) | -0.181818 |
| 37.3 (2/18/2025) | 115 (6/29/2018) | (37.3 - 115)/(45 - 22) | -3.37826 |
| | | | |
| 27.1 (12/10/2018) | 56 (8/2/2018) | (27.1 - 56)/(24 - 23) | -28.9 |
| 371 (4/15/2019) | 56 (8/2/2018) | (371 - 56)/(25 - 23) | 157.5 |
| 10.7 (6/12/2019) | 56 (8/2/2018) | (10.7 - 56)/(26 - 23) | -15.1 |
| 7 (8/27/2019) | 56 (8/2/2018) | (7 - 56)/(27 - 23) | -12.25 |
| 15.4 (10/29/2019) | 56 (8/2/2018) | (15.4 - 56)/(28 - 23) | -8.12 |
| 18.2 (3/30/2020) | 56 (8/2/2018) | (18.2 - 56)/(29 - 23) | -6.3 |
| 10.1 (6/16/2020) | 56 (8/2/2018) | (10.1 - 56)/(30 - 23) | -6.55714 |
| 10.7 (9/21/2020) | 56 (8/2/2018) | (10.7 - 56)/(31 - 23) | -5.6625 |
| 267 (9/2/2021) | 56 (8/2/2018) | (267 - 56)/(32 - 23) | 23.4444 |
| 15.4 (1/11/2022) | 56 (8/2/2018) | (15.4 - 56)/(33 - 23) | -4.06 |
| 27 (4/7/2022) | 56 (8/2/2018) | (27 - 56)/(34 - 23) | -2.63636 |
| 5.6 (8/2/2022) | 56 (8/2/2018) | (5.6 - 56)/(35 - 23) | -4.2 |
| 10.3 (11/16/2022) | 56 (8/2/2018) | (10.3 - 56)/(36 - 23) | -3.51538 |
| 66.4 (2/14/2023) | 56 (8/2/2018) | (66.4 - 56)/(37 - 23) | 0.742857 |
| 11 (5/25/2023) | 56 (8/2/2018) | (11 - 56)/(38 - 23) | -3 |
| 14.4 (8/7/2023) | 56 (8/2/2018) | (14.4 - 56)/(39 - 23) | -2.6 |
| 13.4 (12/12/2023) | 56 (8/2/2018) | (13.4 - 56)/(40 - 23) | -2.50588 |
| 44.8 (1/10/2024) | 56 (8/2/2018) | (44.8 - 56)/(41 - 23) | -0.622222 |
| 24.6 (5/21/2024) | 56 (8/2/2018) | (24.6 - 56)/(42 - 23) | -1.65263 |
| 12.7 (9/16/2024) | 56 (8/2/2018) | (12.7 - 56)/(43 - 23) | -2.165 |
| 111 (12/11/2024) | 56 (8/2/2018) | (111 - 56)/(44 - 23) | 2.61905 |
| 37.3 (2/18/2025) | 56 (8/2/2018) | (37.3 - 56)/(45 - 23) | -0.85 |
| | | | |
| 371 (4/15/2019) | 27.1 (12/10/2018) | (371 - 27.1)/(25 - 24) | 343.9 |
| 10.7 (6/12/2019) | 27.1 (12/10/2018) | (10.7 - 27.1)/(26 - 24) | -8.2 |
| 7 (8/27/2019) | 27.1 (12/10/2018) | (7 - 27.1)/(27 - 24) | -6.7 |
| 15.4 (10/29/2019) | 27.1 (12/10/2018) | (15.4 - 27.1)/(28 - 24) | -2.925 |
| 18.2 (3/30/2020) | 27.1 (12/10/2018) | (18.2 - 27.1)/(29 - 24) | -1.78 |
| 10.1 (6/16/2020) | 27.1 (12/10/2018) | (10.1 - 27.1)/(30 - 24) | -2.83333 |
| 10.7 (9/21/2020) | 27.1 (12/10/2018) | (10.7 - 27.1)/(31 - 24) | -2.34286 |

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|---|---|---|---|
| 267 (9/2/2021) | 27.1 (12/10/2018) | (267 - 27.1)/(32 - 24) | 29.9875 |
| 15.4 (1/11/2022) | 27.1 (12/10/2018) | (15.4 - 27.1)/(33 - 24) | -1.3 |
| 27 (4/7/2022) | 27.1 (12/10/2018) | (27 - 27.1)/(34 - 24) | -0.01 |
| 5.6 (8/2/2022) | 27.1 (12/10/2018) | (5.6 - 27.1)/(35 - 24) | -1.95455 |
| 10.3 (11/16/2022) | 27.1 (12/10/2018) | (10.3 - 27.1)/(36 - 24) | -1.4 |
| 66.4 (2/14/2023) | 27.1 (12/10/2018) | (66.4 - 27.1)/(37 - 24) | 3.02308 |
| 11 (5/25/2023) | 27.1 (12/10/2018) | (11 - 27.1)/(38 - 24) | -1.15 |
| 14.4 (8/7/2023) | 27.1 (12/10/2018) | (14.4 - 27.1)/(39 - 24) | -0.846667 |
| 13.4 (12/12/2023) | 27.1 (12/10/2018) | (13.4 - 27.1)/(40 - 24) | -0.85625 |
| 44.8 (1/10/2024) | 27.1 (12/10/2018) | (44.8 - 27.1)/(41 - 24) | 1.04118 |
| 24.6 (5/21/2024) | 27.1 (12/10/2018) | (24.6 - 27.1)/(42 - 24) | -0.138889 |
| 12.7 (9/16/2024) | 27.1 (12/10/2018) | (12.7 - 27.1)/(43 - 24) | -0.757895 |
| 111 (12/11/2024) | 27.1 (12/10/2018) | (111 - 27.1)/(44 - 24) | 4.195 |
| 37.3 (2/18/2025) | 27.1 (12/10/2018) | (37.3 - 27.1)/(45 - 24) | 0.485714 |
| | | | |
| 10.7 (6/12/2019) | 371 (4/15/2019) | (10.7 - 371)/(26 - 25) | -360.3 |
| 7 (8/27/2019) | 371 (4/15/2019) | (7 - 371)/(27 - 25) | -182 |
| 15.4 (10/29/2019) | 371 (4/15/2019) | (15.4 - 371)/(28 - 25) | -118.533 |
| 18.2 (3/30/2020) | 371 (4/15/2019) | (18.2 - 371)/(29 - 25) | -88.2 |
| 10.1 (6/16/2020) | 371 (4/15/2019) | (10.1 - 371)/(30 - 25) | -72.18 |
| 10.7 (9/21/2020) | 371 (4/15/2019) | (10.7 - 371)/(31 - 25) | -60.05 |
| 267 (9/2/2021) | 371 (4/15/2019) | (267 - 371)/(32 - 25) | -14.8571 |
| 15.4 (1/11/2022) | 371 (4/15/2019) | (15.4 - 371)/(33 - 25) | -44.45 |
| 27 (4/7/2022) | 371 (4/15/2019) | (27 - 371)/(34 - 25) | -38.2222 |
| 5.6 (8/2/2022) | 371 (4/15/2019) | (5.6 - 371)/(35 - 25) | -36.54 |
| 10.3 (11/16/2022) | 371 (4/15/2019) | (10.3 - 371)/(36 - 25) | -32.7909 |
| 66.4 (2/14/2023) | 371 (4/15/2019) | (66.4 - 371)/(37 - 25) | -25.3833 |
| 11 (5/25/2023) | 371 (4/15/2019) | (11 - 371)/(38 - 25) | -27.6923 |
| 14.4 (8/7/2023) | 371 (4/15/2019) | (14.4 - 371)/(39 - 25) | -25.4714 |
| 13.4 (12/12/2023) | 371 (4/15/2019) | (13.4 - 371)/(40 - 25) | -23.84 |
| 44.8 (1/10/2024) | 371 (4/15/2019) | (44.8 - 371)/(41 - 25) | -20.3875 |
| 24.6 (5/21/2024) | 371 (4/15/2019) | (24.6 - 371)/(42 - 25) | -20.3765 |
| 12.7 (9/16/2024) | 371 (4/15/2019) | (12.7 - 371)/(43 - 25) | -19.9056 |
| 111 (12/11/2024) | 371 (4/15/2019) | (111 - 371)/(44 - 25) | -13.6842 |
| 37.3 (2/18/2025) | 371 (4/15/2019) | (37.3 - 371)/(45 - 25) | -16.685 |
| | | | |
| 7 (8/27/2019) | 10.7 (6/12/2019) | (7 - 10.7)/(27 - 26) | -3.7 |
| 15.4 (10/29/2019) | 10.7 (6/12/2019) | (15.4 - 10.7)/(28 - 26) | 2.35 |
| 18.2 (3/30/2020) | 10.7 (6/12/2019) | (18.2 - 10.7)/(29 - 26) | 2.5 |
| 10.1 (6/16/2020) | 10.7 (6/12/2019) | (10.1 - 10.7)/(30 - 26) | -0.15 |
| 10.7 (9/21/2020) | 10.7 (6/12/2019) | (10.7 - 10.7)/(31 - 26) | 0 |
| 267 (9/2/2021) | 10.7 (6/12/2019) | (267 - 10.7)/(32 - 26) | 42.7167 |
| 15.4 (1/11/2022) | 10.7 (6/12/2019) | (15.4 - 10.7)/(33 - 26) | 0.671429 |
| 27 (4/7/2022) | 10.7 (6/12/2019) | (27 - 10.7)/(34 - 26) | 2.0375 |
| 5.6 (8/2/2022) | 10.7 (6/12/2019) | (5.6 - 10.7)/(35 - 26) | -0.566667 |
| 10.3 (11/16/2022) | 10.7 (6/12/2019) | (10.3 - 10.7)/(36 - 26) | -0.04 |
| 66.4 (2/14/2023) | 10.7 (6/12/2019) | (66.4 - 10.7)/(37 - 26) | 5.06364 |
| 11 (5/25/2023) | 10.7 (6/12/2019) | (11 - 10.7)/(38 - 26) | 0.025 |
| 14.4 (8/7/2023) | 10.7 (6/12/2019) | (14.4 - 10.7)/(39 - 26) | 0.284615 |
| 13.4 (12/12/2023) | 10.7 (6/12/2019) | (13.4 - 10.7)/(40 - 26) | 0.192857 |
| 44.8 (1/10/2024) | 10.7 (6/12/2019) | (44.8 - 10.7)/(41 - 26) | 2.27333 |
| 24.6 (5/21/2024) | 10.7 (6/12/2019) | (24.6 - 10.7)/(42 - 26) | 0.86875 |
| 12.7 (9/16/2024) | 10.7 (6/12/2019) | (12.7 - 10.7)/(43 - 26) | 0.117647 |
| 111 (12/11/2024) | 10.7 (6/12/2019) | (111 - 10.7)/(44 - 26) | 5.57222 |
| 37.3 (2/18/2025) | 10.7 (6/12/2019) | (37.3 - 10.7)/(45 - 26) | 1.4 |
| | | | |
| 15.4 (10/29/2019) | 7 (8/27/2019) | (15.4 - 7)/(28 - 27) | 8.4 |

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| 18.2 (3/30/2020) | 7 (8/27/2019) | (18.2 - 7)/(29 - 27) | 5.6 |
| 10.1 (6/16/2020) | 7 (8/27/2019) | (10.1 - 7)/(30 - 27) | 1.03333 |
| 10.7 (9/21/2020) | 7 (8/27/2019) | (10.7 - 7)/(31 - 27) | 0.925 |
| 267 (9/2/2021) | 7 (8/27/2019) | (267 - 7)/(32 - 27) | 52 |
| 15.4 (1/11/2022) | 7 (8/27/2019) | (15.4 - 7)/(33 - 27) | 1.4 |
| 27 (4/7/2022) | 7 (8/27/2019) | (27 - 7)/(34 - 27) | 2.85714 |
| 5.6 (8/2/2022) | 7 (8/27/2019) | (5.6 - 7)/(35 - 27) | -0.175 |
| 10.3 (11/16/2022) | 7 (8/27/2019) | (10.3 - 7)/(36 - 27) | 0.366667 |
| 66.4 (2/14/2023) | 7 (8/27/2019) | (66.4 - 7)/(37 - 27) | 5.94 |
| 11 (5/25/2023) | 7 (8/27/2019) | (11 - 7)/(38 - 27) | 0.363636 |
| 14.4 (8/7/2023) | 7 (8/27/2019) | (14.4 - 7)/(39 - 27) | 0.616667 |
| 13.4 (12/12/2023) | 7 (8/27/2019) | (13.4 - 7)/(40 - 27) | 0.492308 |
| 44.8 (1/10/2024) | 7 (8/27/2019) | (44.8 - 7)/(41 - 27) | 2.7 |
| 24.6 (5/21/2024) | 7 (8/27/2019) | (24.6 - 7)/(42 - 27) | 1.17333 |
| 12.7 (9/16/2024) | 7 (8/27/2019) | (12.7 - 7)/(43 - 27) | 0.35625 |
| 111 (12/11/2024) | 7 (8/27/2019) | (111 - 7)/(44 - 27) | 6.11765 |
| 37.3 (2/18/2025) | 7 (8/27/2019) | (37.3 - 7)/(45 - 27) | 1.68333 |
| | | | |
| 18.2 (3/30/2020) | 15.4 (10/29/2019) | (18.2 - 15.4)/(29 - 28) | 2.8 |
| 10.1 (6/16/2020) | 15.4 (10/29/2019) | (10.1 - 15.4)/(30 - 28) | -2.65 |
| 10.7 (9/21/2020) | 15.4 (10/29/2019) | (10.7 - 15.4)/(31 - 28) | -1.56667 |
| 267 (9/2/2021) | 15.4 (10/29/2019) | (267 - 15.4)/(32 - 28) | 62.9 |
| 15.4 (1/11/2022) | 15.4 (10/29/2019) | (15.4 - 15.4)/(33 - 28) | 0 |
| 27 (4/7/2022) | 15.4 (10/29/2019) | (27 - 15.4)/(34 - 28) | 1.93333 |
| 5.6 (8/2/2022) | 15.4 (10/29/2019) | (5.6 - 15.4)/(35 - 28) | -1.4 |
| 10.3 (11/16/2022) | 15.4 (10/29/2019) | (10.3 - 15.4)/(36 - 28) | -0.6375 |
| 66.4 (2/14/2023) | 15.4 (10/29/2019) | (66.4 - 15.4)/(37 - 28) | 5.66667 |
| 11 (5/25/2023) | 15.4 (10/29/2019) | (11 - 15.4)/(38 - 28) | -0.44 |
| 14.4 (8/7/2023) | 15.4 (10/29/2019) | (14.4 - 15.4)/(39 - 28) | -0.0909091 |
| 13.4 (12/12/2023) | 15.4 (10/29/2019) | (13.4 - 15.4)/(40 - 28) | -0.166667 |
| 44.8 (1/10/2024) | 15.4 (10/29/2019) | (44.8 - 15.4)/(41 - 28) | 2.26154 |
| 24.6 (5/21/2024) | 15.4 (10/29/2019) | (24.6 - 15.4)/(42 - 28) | 0.657143 |
| 12.7 (9/16/2024) | 15.4 (10/29/2019) | (12.7 - 15.4)/(43 - 28) | -0.18 |
| 111 (12/11/2024) | 15.4 (10/29/2019) | (111 - 15.4)/(44 - 28) | 5.975 |
| 37.3 (2/18/2025) | 15.4 (10/29/2019) | (37.3 - 15.4)/(45 - 28) | 1.28824 |
| | | | |
| 10.1 (6/16/2020) | 18.2 (3/30/2020) | (10.1 - 18.2)/(30 - 29) | -8.1 |
| 10.7 (9/21/2020) | 18.2 (3/30/2020) | (10.7 - 18.2)/(31 - 29) | -3.75 |
| 267 (9/2/2021) | 18.2 (3/30/2020) | (267 - 18.2)/(32 - 29) | 82.9333 |
| 15.4 (1/11/2022) | 18.2 (3/30/2020) | (15.4 - 18.2)/(33 - 29) | -0.7 |
| 27 (4/7/2022) | 18.2 (3/30/2020) | (27 - 18.2)/(34 - 29) | 1.76 |
| 5.6 (8/2/2022) | 18.2 (3/30/2020) | (5.6 - 18.2)/(35 - 29) | -2.1 |
| 10.3 (11/16/2022) | 18.2 (3/30/2020) | (10.3 - 18.2)/(36 - 29) | -1.12857 |
| 66.4 (2/14/2023) | 18.2 (3/30/2020) | (66.4 - 18.2)/(37 - 29) | 6.025 |
| 11 (5/25/2023) | 18.2 (3/30/2020) | (11 - 18.2)/(38 - 29) | -0.8 |
| 14.4 (8/7/2023) | 18.2 (3/30/2020) | (14.4 - 18.2)/(39 - 29) | -0.38 |
| 13.4 (12/12/2023) | 18.2 (3/30/2020) | (13.4 - 18.2)/(40 - 29) | -0.436364 |
| 44.8 (1/10/2024) | 18.2 (3/30/2020) | (44.8 - 18.2)/(41 - 29) | 2.21667 |
| 24.6 (5/21/2024) | 18.2 (3/30/2020) | (24.6 - 18.2)/(42 - 29) | 0.492308 |
| 12.7 (9/16/2024) | 18.2 (3/30/2020) | (12.7 - 18.2)/(43 - 29) | -0.392857 |
| 111 (12/11/2024) | 18.2 (3/30/2020) | (111 - 18.2)/(44 - 29) | 6.18667 |
| 37.3 (2/18/2025) | 18.2 (3/30/2020) | (37.3 - 18.2)/(45 - 29) | 1.19375 |
| | | | |
| 10.7 (9/21/2020) | 10.1 (6/16/2020) | (10.7 - 10.1)/(31 - 30) | 0.6 |
| 267 (9/2/2021) | 10.1 (6/16/2020) | (267 - 10.1)/(32 - 30) | 128.45 |
| 15.4 (1/11/2022) | 10.1 (6/16/2020) | (15.4 - 10.1)/(33 - 30) | 1.76667 |
| 27 (4/7/2022) | 10.1 (6/16/2020) | (27 - 10.1)/(34 - 30) | 4.225 |

| | | | |
|---|---|---|---|
| 5.6 (8/2/2022) | 10.1 (6/16/2020) | (5.6 - 10.1)/(35 - 30) | -0.9 |
| 10.3 (11/16/2022) | 10.1 (6/16/2020) | (10.3 - 10.1)/(36 - 30) | 0.0333333 |
| 66.4 (2/14/2023) | 10.1 (6/16/2020) | (66.4 - 10.1)/(37 - 30) | 8.04286 |
| 11 (5/25/2023) | 10.1 (6/16/2020) | (11 - 10.1)/(38 - 30) | 0.1125 |
| 14.4 (8/7/2023) | 10.1 (6/16/2020) | (14.4 - 10.1)/(39 - 30) | 0.477778 |
| 13.4 (12/12/2023) | 10.1 (6/16/2020) | (13.4 - 10.1)/(40 - 30) | 0.33 |
| 44.8 (1/10/2024) | 10.1 (6/16/2020) | (44.8 - 10.1)/(41 - 30) | 3.15455 |
| 24.6 (5/21/2024) | 10.1 (6/16/2020) | (24.6 - 10.1)/(42 - 30) | 1.20833 |
| 12.7 (9/16/2024) | 10.1 (6/16/2020) | (12.7 - 10.1)/(43 - 30) | 0.2 |
| 111 (12/11/2024) | 10.1 (6/16/2020) | (111 - 10.1)/(44 - 30) | 7.20714 |
| 37.3 (2/18/2025) | 10.1 (6/16/2020) | (37.3 - 10.1)/(45 - 30) | 1.81333 |
| | | | |
| 267 (9/2/2021) | 10.7 (9/21/2020) | (267 - 10.7)/(32 - 31) | 256.3 |
| 15.4 (1/11/2022) | 10.7 (9/21/2020) | (15.4 - 10.7)/(33 - 31) | 2.35 |
| 27 (4/7/2022) | 10.7 (9/21/2020) | (27 - 10.7)/(34 - 31) | 5.43333 |
| 5.6 (8/2/2022) | 10.7 (9/21/2020) | (5.6 - 10.7)/(35 - 31) | -1.275 |
| 10.3 (11/16/2022) | 10.7 (9/21/2020) | (10.3 - 10.7)/(36 - 31) | -0.08 |
| 66.4 (2/14/2023) | 10.7 (9/21/2020) | (66.4 - 10.7)/(37 - 31) | 9.28333 |
| 11 (5/25/2023) | 10.7 (9/21/2020) | (11 - 10.7)/(38 - 31) | 0.0428571 |
| 14.4 (8/7/2023) | 10.7 (9/21/2020) | (14.4 - 10.7)/(39 - 31) | 0.4625 |
| 13.4 (12/12/2023) | 10.7 (9/21/2020) | (13.4 - 10.7)/(40 - 31) | 0.3 |
| 44.8 (1/10/2024) | 10.7 (9/21/2020) | (44.8 - 10.7)/(41 - 31) | 3.41 |
| 24.6 (5/21/2024) | 10.7 (9/21/2020) | (24.6 - 10.7)/(42 - 31) | 1.26364 |
| 12.7 (9/16/2024) | 10.7 (9/21/2020) | (12.7 - 10.7)/(43 - 31) | 0.166667 |
| 111 (12/11/2024) | 10.7 (9/21/2020) | (111 - 10.7)/(44 - 31) | 7.71538 |
| 37.3 (2/18/2025) | 10.7 (9/21/2020) | (37.3 - 10.7)/(45 - 31) | 1.9 |
| | | | |
| 15.4 (1/11/2022) | 267 (9/2/2021) | (15.4 - 267)/(33 - 32) | -251.6 |
| 27 (4/7/2022) | 267 (9/2/2021) | (27 - 267)/(34 - 32) | -120 |
| 5.6 (8/2/2022) | 267 (9/2/2021) | (5.6 - 267)/(35 - 32) | -87.1333 |
| 10.3 (11/16/2022) | 267 (9/2/2021) | (10.3 - 267)/(36 - 32) | -64.175 |
| 66.4 (2/14/2023) | 267 (9/2/2021) | (66.4 - 267)/(37 - 32) | -40.12 |
| 11 (5/25/2023) | 267 (9/2/2021) | (11 - 267)/(38 - 32) | -42.6667 |
| 14.4 (8/7/2023) | 267 (9/2/2021) | (14.4 - 267)/(39 - 32) | -36.0857 |
| 13.4 (12/12/2023) | 267 (9/2/2021) | (13.4 - 267)/(40 - 32) | -31.7 |
| 44.8 (1/10/2024) | 267 (9/2/2021) | (44.8 - 267)/(41 - 32) | -24.6889 |
| 24.6 (5/21/2024) | 267 (9/2/2021) | (24.6 - 267)/(42 - 32) | -24.24 |
| 12.7 (9/16/2024) | 267 (9/2/2021) | (12.7 - 267)/(43 - 32) | -23.1182 |
| 111 (12/11/2024) | 267 (9/2/2021) | (111 - 267)/(44 - 32) | -13 |
| 37.3 (2/18/2025) | 267 (9/2/2021) | (37.3 - 267)/(45 - 32) | -17.6692 |
| | | | |
| 27 (4/7/2022) | 15.4 (1/11/2022) | (27 - 15.4)/(34 - 33) | 11.6 |
| 5.6 (8/2/2022) | 15.4 (1/11/2022) | (5.6 - 15.4)/(35 - 33) | -4.9 |
| 10.3 (11/16/2022) | 15.4 (1/11/2022) | (10.3 - 15.4)/(36 - 33) | -1.7 |
| 66.4 (2/14/2023) | 15.4 (1/11/2022) | (66.4 - 15.4)/(37 - 33) | 12.75 |
| 11 (5/25/2023) | 15.4 (1/11/2022) | (11 - 15.4)/(38 - 33) | -0.88 |
| 14.4 (8/7/2023) | 15.4 (1/11/2022) | (14.4 - 15.4)/(39 - 33) | -0.166667 |
| 13.4 (12/12/2023) | 15.4 (1/11/2022) | (13.4 - 15.4)/(40 - 33) | -0.285714 |
| 44.8 (1/10/2024) | 15.4 (1/11/2022) | (44.8 - 15.4)/(41 - 33) | 3.675 |
| 24.6 (5/21/2024) | 15.4 (1/11/2022) | (24.6 - 15.4)/(42 - 33) | 1.02222 |
| 12.7 (9/16/2024) | 15.4 (1/11/2022) | (12.7 - 15.4)/(43 - 33) | -0.27 |
| 111 (12/11/2024) | 15.4 (1/11/2022) | (111 - 15.4)/(44 - 33) | 8.69091 |
| 37.3 (2/18/2025) | 15.4 (1/11/2022) | (37.3 - 15.4)/(45 - 33) | 1.825 |
| | | | |
| 5.6 (8/2/2022) | 27 (4/7/2022) | (5.6 - 27)/(35 - 34) | -21.4 |
| 10.3 (11/16/2022) | 27 (4/7/2022) | (10.3 - 27)/(36 - 34) | -8.35 |
| 66.4 (2/14/2023) | 27 (4/7/2022) | (66.4 - 27)/(37 - 34) | 13.1333 |

| | | | |
|---|---|---|---|
| 11 (5/25/2023) | 27 (4/7/2022) | (11 - 27)/(38 - 34) | -4 |
| 14.4 (8/7/2023) | 27 (4/7/2022) | (14.4 - 27)/(39 - 34) | -2.52 |
| 13.4 (12/12/2023) | 27 (4/7/2022) | (13.4 - 27)/(40 - 34) | -2.26667 |
| 44.8 (1/10/2024) | 27 (4/7/2022) | (44.8 - 27)/(41 - 34) | 2.54286 |
| 24.6 (5/21/2024) | 27 (4/7/2022) | (24.6 - 27)/(42 - 34) | -0.3 |
| 12.7 (9/16/2024) | 27 (4/7/2022) | (12.7 - 27)/(43 - 34) | -1.58889 |
| 111 (12/11/2024) | 27 (4/7/2022) | (111 - 27)/(44 - 34) | 8.4 |
| 37.3 (2/18/2025) | 27 (4/7/2022) | (37.3 - 27)/(45 - 34) | 0.936364 |
| | | | |
| 10.3 (11/16/2022) | 5.6 (8/2/2022) | (10.3 - 5.6)/(36 - 35) | 4.7 |
| 66.4 (2/14/2023) | 5.6 (8/2/2022) | (66.4 - 5.6)/(37 - 35) | 30.4 |
| 11 (5/25/2023) | 5.6 (8/2/2022) | (11 - 5.6)/(38 - 35) | 1.8 |
| 14.4 (8/7/2023) | 5.6 (8/2/2022) | (14.4 - 5.6)/(39 - 35) | 2.2 |
| 13.4 (12/12/2023) | 5.6 (8/2/2022) | (13.4 - 5.6)/(40 - 35) | 1.56 |
| 44.8 (1/10/2024) | 5.6 (8/2/2022) | (44.8 - 5.6)/(41 - 35) | 6.53333 |
| 24.6 (5/21/2024) | 5.6 (8/2/2022) | (24.6 - 5.6)/(42 - 35) | 2.71429 |
| 12.7 (9/16/2024) | 5.6 (8/2/2022) | (12.7 - 5.6)/(43 - 35) | 0.8875 |
| 111 (12/11/2024) | 5.6 (8/2/2022) | (111 - 5.6)/(44 - 35) | 11.7111 |
| 37.3 (2/18/2025) | 5.6 (8/2/2022) | (37.3 - 5.6)/(45 - 35) | 3.17 |
| | | | |
| 66.4 (2/14/2023) | 10.3 (11/16/2022) | (66.4 - 10.3)/(37 - 36) | 56.1 |
| 11 (5/25/2023) | 10.3 (11/16/2022) | (11 - 10.3)/(38 - 36) | 0.35 |
| 14.4 (8/7/2023) | 10.3 (11/16/2022) | (14.4 - 10.3)/(39 - 36) | 1.36667 |
| 13.4 (12/12/2023) | 10.3 (11/16/2022) | (13.4 - 10.3)/(40 - 36) | 0.775 |
| 44.8 (1/10/2024) | 10.3 (11/16/2022) | (44.8 - 10.3)/(41 - 36) | 6.9 |
| 24.6 (5/21/2024) | 10.3 (11/16/2022) | (24.6 - 10.3)/(42 - 36) | 2.38333 |
| 12.7 (9/16/2024) | 10.3 (11/16/2022) | (12.7 - 10.3)/(43 - 36) | 0.342857 |
| 111 (12/11/2024) | 10.3 (11/16/2022) | (111 - 10.3)/(44 - 36) | 12.5875 |
| 37.3 (2/18/2025) | 10.3 (11/16/2022) | (37.3 - 10.3)/(45 - 36) | 3 |
| | | | |
| 11 (5/25/2023) | 66.4 (2/14/2023) | (11 - 66.4)/(38 - 37) | -55.4 |
| 14.4 (8/7/2023) | 66.4 (2/14/2023) | (14.4 - 66.4)/(39 - 37) | -26 |
| 13.4 (12/12/2023) | 66.4 (2/14/2023) | (13.4 - 66.4)/(40 - 37) | -17.6667 |
| 44.8 (1/10/2024) | 66.4 (2/14/2023) | (44.8 - 66.4)/(41 - 37) | -5.4 |
| 24.6 (5/21/2024) | 66.4 (2/14/2023) | (24.6 - 66.4)/(42 - 37) | -8.36 |
| 12.7 (9/16/2024) | 66.4 (2/14/2023) | (12.7 - 66.4)/(43 - 37) | -8.95 |
| 111 (12/11/2024) | 66.4 (2/14/2023) | (111 - 66.4)/(44 - 37) | 6.37143 |
| 37.3 (2/18/2025) | 66.4 (2/14/2023) | (37.3 - 66.4)/(45 - 37) | -3.6375 |
| | | | |
| 14.4 (8/7/2023) | 11 (5/25/2023) | (14.4 - 11)/(39 - 38) | 3.4 |
| 13.4 (12/12/2023) | 11 (5/25/2023) | (13.4 - 11)/(40 - 38) | 1.2 |
| 44.8 (1/10/2024) | 11 (5/25/2023) | (44.8 - 11)/(41 - 38) | 11.2667 |
| 24.6 (5/21/2024) | 11 (5/25/2023) | (24.6 - 11)/(42 - 38) | 3.4 |
| 12.7 (9/16/2024) | 11 (5/25/2023) | (12.7 - 11)/(43 - 38) | 0.34 |
| 111 (12/11/2024) | 11 (5/25/2023) | (111 - 11)/(44 - 38) | 16.6667 |
| 37.3 (2/18/2025) | 11 (5/25/2023) | (37.3 - 11)/(45 - 38) | 3.75714 |
| | | | |
| 13.4 (12/12/2023) | 14.4 (8/7/2023) | (13.4 - 14.4)/(40 - 39) | -1 |
| 44.8 (1/10/2024) | 14.4 (8/7/2023) | (44.8 - 14.4)/(41 - 39) | 15.2 |
| 24.6 (5/21/2024) | 14.4 (8/7/2023) | (24.6 - 14.4)/(42 - 39) | 3.4 |
| 12.7 (9/16/2024) | 14.4 (8/7/2023) | (12.7 - 14.4)/(43 - 39) | -0.425 |
| 111 (12/11/2024) | 14.4 (8/7/2023) | (111 - 14.4)/(44 - 39) | 19.32 |
| 37.3 (2/18/2025) | 14.4 (8/7/2023) | (37.3 - 14.4)/(45 - 39) | 3.81667 |
| | | | |
| 44.8 (1/10/2024) | 13.4 (12/12/2023) | (44.8 - 13.4)/(41 - 40) | 31.4 |
| 24.6 (5/21/2024) | 13.4 (12/12/2023) | (24.6 - 13.4)/(42 - 40) | 5.6 |
| 12.7 (9/16/2024) | 13.4 (12/12/2023) | (12.7 - 13.4)/(43 - 40) | -0.233333 |

| | | | |
|---|---|---|---|
| 111 (12/11/2024) | 13.4 (12/12/2023) | (111 - 13.4)/(44 - 40) | 24.4 |
| 37.3 (2/18/2025) | 13.4 (12/12/2023) | (37.3 - 13.4)/(45 - 40) | 4.78 |
| | | | |
| 24.6 (5/21/2024) | 44.8 (1/10/2024) | (24.6 - 44.8)/(42 - 41) | -20.2 |
| 12.7 (9/16/2024) | 44.8 (1/10/2024) | (12.7 - 44.8)/(43 - 41) | -16.05 |
| 111 (12/11/2024) | 44.8 (1/10/2024) | (111 - 44.8)/(44 - 41) | 22.0667 |
| 37.3 (2/18/2025) | 44.8 (1/10/2024) | (37.3 - 44.8)/(45 - 41) | -1.875 |
| | | | |
| 12.7 (9/16/2024) | 24.6 (5/21/2024) | (12.7 - 24.6)/(43 - 42) | -11.9 |
| 111 (12/11/2024) | 24.6 (5/21/2024) | (111 - 24.6)/(44 - 42) | 43.2 |
| 37.3 (2/18/2025) | 24.6 (5/21/2024) | (37.3 - 24.6)/(45 - 42) | 4.23333 |
| | | | |
| 111 (12/11/2024) | 12.7 (9/16/2024) | (111 - 12.7)/(44 - 43) | 98.3 |
| 37.3 (2/18/2025) | 12.7 (9/16/2024) | (37.3 - 12.7)/(45 - 43) | 12.3 |
| | | | |
| 37.3 (2/18/2025) | 111 (12/11/2024) | (37.3 - 111)/(45 - 44) | -73.7 |

Number of Q values = 990

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -360.3 |
| 2 | -251.6 |
| 3 | -182 |
| 4 | -120 |
| 5 | -118.533 |
| 6 | -88.2 |
| 7 | -87.1333 |
| 8 | -73.7 |
| 9 | -72.18 |
| 10 | -64.175 |
| 11 | -63.5 |
| 12 | -60.05 |
| 13 | -59 |
| 14 | -55.4 |
| 15 | -44.45 |
| 16 | -43.95 |
| 17 | -42.6667 |
| 18 | -40.12 |
| 19 | -38.5 |
| 20 | -38.2222 |
| 21 | -36.54 |
| 22 | -36.0857 |
| 23 | -34 |
| 24 | -32.7909 |
| 25 | -31.7 |
| 26 | -28.9 |
| 27 | -27.6923 |
| 28 | -26.075 |
| 29 | -26 |
| 30 | -25.4714 |
| 31 | -25.3833 |
| 32 | -24.6889 |
| 33 | -24.24 |
| 34 | -23.84 |
| 35 | -23.1333 |

| | |
|---|---|
| 36 | -23.1182 |
| 37 | -21.6 |
| 38 | -21.4 |
| 39 | -20.3875 |
| 40 | -20.3765 |
| 41 | -20.2 |
| 42 | -19.9056 |
| 43 | -17.6692 |
| 44 | -17.6667 |
| 45 | -16.685 |
| 46 | -16.6 |
| 47 | -16.05 |
| 48 | -15.45 |
| 49 | -15.1 |
| 50 | -14.8571 |
| 51 | -13.8286 |
| 52 | -13.6842 |
| 53 | -13.1125 |
| 54 | -13 |
| 55 | -12.5 |
| 56 | -12.25 |
| 57 | -12 |
| 58 | -11.9 |
| 59 | -11.5889 |
| 60 | -11.25 |
| 61 | -10.05 |
| 62 | -9.05455 |
| 63 | -9 |
| 64 | -8.95 |
| 65 | -8.45 |
| 66 | -8.41538 |
| 67 | -8.36 |
| 68 | -8.35 |
| 69 | -8.2 |
| 70 | -8.12 |
| 71 | -8.1 |
| 72 | -7.5 |
| 73 | -7.47857 |
| 74 | -7.33333 |
| 75 | -7.1 |
| 76 | -6.7 |
| 77 | -6.55714 |
| 78 | -6.5 |
| 79 | -6.5 |
| 80 | -6.3 |
| 81 | -6.1 |
| 82 | -6 |
| 83 | -5.91765 |
| 84 | -5.6625 |
| 85 | -5.65 |
| 86 | -5.64444 |
| 87 | -5.5 |
| 88 | -5.4 |
| 89 | -5.23846 |
| 90 | -5.12857 |
| 91 | -4.9 |
| 92 | -4.87143 |

| | |
|---|---|
| 93 | -4.7 |
| 94 | -4.66667 |
| 95 | -4.66667 |
| 96 | -4.52 |
| 97 | -4.5 |
| 98 | -4.2875 |
| 99 | -4.25 |
| 100 | -4.22667 |
| 101 | -4.2 |
| 102 | -4.16 |
| 103 | -4.15714 |
| 104 | -4.06 |
| 105 | -4.04118 |
| 106 | -4 |
| 107 | -4 |
| 108 | -3.96 |
| 109 | -3.8 |
| 110 | -3.7875 |
| 111 | -3.78333 |
| 112 | -3.75 |
| 113 | -3.7 |
| 114 | -3.69474 |
| 115 | -3.65 |
| 116 | -3.6375 |
| 117 | -3.58333 |
| 118 | -3.54545 |
| 119 | -3.51538 |
| 120 | -3.5 |
| 121 | -3.4 |
| 122 | -3.37826 |
| 123 | -3.32727 |
| 124 | -3.24 |
| 125 | -3.17 |
| 126 | -3.03333 |
| 127 | -3 |
| 128 | -3 |
| 129 | -3 |
| 130 | -3 |
| 131 | -2.97826 |
| 132 | -2.95556 |
| 133 | -2.95 |
| 134 | -2.94 |
| 135 | -2.925 |
| 136 | -2.83333 |
| 137 | -2.75714 |
| 138 | -2.712 |
| 139 | -2.65 |
| 140 | -2.63846 |
| 141 | -2.63636 |
| 142 | -2.6 |
| 143 | -2.52 |
| 144 | -2.50588 |
| 145 | -2.5 |
| 146 | -2.47692 |
| 147 | -2.46667 |
| 148 | -2.4625 |
| 149 | -2.42222 |

| | |
|---|---|
| 150 | -2.34286 |
| 151 | -2.28 |
| 152 | -2.26667 |
| 153 | -2.22 |
| 154 | -2.20333 |
| 155 | -2.165 |
| 156 | -2.15 |
| 157 | -2.14545 |
| 158 | -2.13333 |
| 159 | -2.1 |
| 160 | -2.06 |
| 161 | -2.05333 |
| 162 | -2 |
| 163 | -1.96667 |
| 164 | -1.95455 |
| 165 | -1.93571 |
| 166 | -1.875 |
| 167 | -1.86897 |
| 168 | -1.85789 |
| 169 | -1.8375 |
| 170 | -1.815 |
| 171 | -1.78 |
| 172 | -1.7 |
| 173 | -1.7 |
| 174 | -1.65263 |
| 175 | -1.62143 |
| 176 | -1.6087 |
| 177 | -1.58889 |
| 178 | -1.56667 |
| 179 | -1.53889 |
| 180 | -1.45 |
| 181 | -1.4375 |
| 182 | -1.43333 |
| 183 | -1.42632 |
| 184 | -1.4 |
| 185 | -1.4 |
| 186 | -1.4 |
| 187 | -1.4 |
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| 936 | 16.6667 |
| 937 | 16.6667 |
| 938 | 16.7 |
| 939 | 16.7143 |
| 940 | 16.9 |
| 941 | 17.6 |
| 942 | 17.9071 |
| 943 | 17.9474 |
| 944 | 18.1083 |
| 945 | 19.1154 |
| 946 | 19.32 |
| 947 | 19.6 |

| | |
|---|---|
| 948 | 19.6111 |
| 949 | 20.7059 |
| 950 | 21.6 |
| 951 | 22.0667 |
| 952 | 22.1875 |
| 953 | 22.4 |
| 954 | 23.2545 |
| 955 | 23.4444 |
| 956 | 23.8 |
| 957 | 24.35 |
| 958 | 24.4 |
| 959 | 24.675 |
| 960 | 24.7571 |
| 961 | 25.6308 |
| 962 | 27.2 |
| 963 | 29.9875 |
| 964 | 30.4 |
| 965 | 31.2 |
| 966 | 31.4 |
| 967 | 32.1667 |
| 968 | 32.3364 |
| 969 | 32.65 |
| 970 | 36.02 |
| 971 | 40.1778 |
| 972 | 41 |
| 973 | 42.7167 |
| 974 | 43.2 |
| 975 | 44.25 |
| 976 | 50.6714 |
| 977 | 52 |
| 978 | 56.1 |
| 979 | 58.75 |
| 980 | 62.9 |
| 981 | 64.26 |
| 982 | 82.9333 |
| 983 | 85.3333 |
| 984 | 89.95 |
| 985 | 98.3 |
| 986 | 103.8 |
| 987 | 128.45 |
| 988 | 157.5 |
| 989 | 256.3 |
| 990 | 343.9 |

Sen's Estimator (Median Q) is -0.0219048

| Tied Group | Value | Members |
|---|---|---|
| 1 | 19 | 2 |
| 2 | 10.7 | 2 |
| 3 | 15.4 | 2 |

| Time Period | Observations |
|---|---|
| 3/13/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |

| | |
|---|---|
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 9/2/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 54
B = 0
C = 0
D = 0
E = 6
F = 0
a = 188100
b = 766260
c = 3960
Group Variance = 10447
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 168.121
M1 = (990 - 168.121)/2.0 = 410.939
M2 = (990 + 168.121)/2.0 + 1 = 580.061
Lower limit is -0.18 = Q(411)
Upper limit is 0.285714 = Q(580)

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 4
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 21.6 (3/18/2021) | 17.8 (12/17/2020) | (21.6 - 17.8)/(2 - 1) | 3.8 |
| 27.5 (5/5/2021) | 17.8 (12/17/2020) | (27.5 - 17.8)/(3 - 1) | 4.85 |
| 9.2 (11/23/2021) | 17.8 (12/17/2020) | (9.2 - 17.8)/(4 - 1) | -2.86667 |
| 15.6 (1/11/2022) | 17.8 (12/17/2020) | (15.6 - 17.8)/(5 - 1) | -0.55 |
| 20.9 (4/7/2022) | 17.8 (12/17/2020) | (20.9 - 17.8)/(6 - 1) | 0.62 |
| 6 (8/2/2022) | 17.8 (12/17/2020) | (6 - 17.8)/(7 - 1) | -1.96667 |
| 10.5 (11/16/2022) | 17.8 (12/17/2020) | (10.5 - 17.8)/(8 - 1) | -1.04286 |
| 22.5 (2/14/2023) | 17.8 (12/17/2020) | (22.5 - 17.8)/(9 - 1) | 0.5875 |
| 6.71 (5/25/2023) | 17.8 (12/17/2020) | (6.71 - 17.8)/(10 - 1) | -1.23222 |
| 7 (8/7/2023) | 17.8 (12/17/2020) | (7 - 17.8)/(11 - 1) | -1.08 |
| 13.8 (12/12/2023) | 17.8 (12/17/2020) | (13.8 - 17.8)/(12 - 1) | -0.363636 |
| 34.4 (1/10/2024) | 17.8 (12/17/2020) | (34.4 - 17.8)/(13 - 1) | 1.38333 |
| 12 (5/21/2024) | 17.8 (12/17/2020) | (12 - 17.8)/(14 - 1) | -0.446154 |
| 11.5 (9/16/2024) | 17.8 (12/17/2020) | (11.5 - 17.8)/(15 - 1) | -0.45 |
| 11.6 (12/11/2024) | 17.8 (12/17/2020) | (11.6 - 17.8)/(16 - 1) | -0.413333 |
| 45.1 (2/18/2025) | 17.8 (12/17/2020) | (45.1 - 17.8)/(17 - 1) | 1.70625 |
| | | | |
| 27.5 (5/5/2021) | 21.6 (3/18/2021) | (27.5 - 21.6)/(3 - 2) | 5.9 |
| 9.2 (11/23/2021) | 21.6 (3/18/2021) | (9.2 - 21.6)/(4 - 2) | -6.2 |
| 15.6 (1/11/2022) | 21.6 (3/18/2021) | (15.6 - 21.6)/(5 - 2) | -2 |
| 20.9 (4/7/2022) | 21.6 (3/18/2021) | (20.9 - 21.6)/(6 - 2) | -0.175 |
| 6 (8/2/2022) | 21.6 (3/18/2021) | (6 - 21.6)/(7 - 2) | -3.12 |
| 10.5 (11/16/2022) | 21.6 (3/18/2021) | (10.5 - 21.6)/(8 - 2) | -1.85 |
| 22.5 (2/14/2023) | 21.6 (3/18/2021) | (22.5 - 21.6)/(9 - 2) | 0.128571 |
| 6.71 (5/25/2023) | 21.6 (3/18/2021) | (6.71 - 21.6)/(10 - 2) | -1.86125 |
| 7 (8/7/2023) | 21.6 (3/18/2021) | (7 - 21.6)/(11 - 2) | -1.62222 |
| 13.8 (12/12/2023) | 21.6 (3/18/2021) | (13.8 - 21.6)/(12 - 2) | -0.78 |
| 34.4 (1/10/2024) | 21.6 (3/18/2021) | (34.4 - 21.6)/(13 - 2) | 1.16364 |
| 12 (5/21/2024) | 21.6 (3/18/2021) | (12 - 21.6)/(14 - 2) | -0.8 |
| 11.5 (9/16/2024) | 21.6 (3/18/2021) | (11.5 - 21.6)/(15 - 2) | -0.776923 |
| 11.6 (12/11/2024) | 21.6 (3/18/2021) | (11.6 - 21.6)/(16 - 2) | -0.714286 |
| 45.1 (2/18/2025) | 21.6 (3/18/2021) | (45.1 - 21.6)/(17 - 2) | 1.56667 |
| | | | |
| 9.2 (11/23/2021) | 27.5 (5/5/2021) | (9.2 - 27.5)/(4 - 3) | -18.3 |
| 15.6 (1/11/2022) | 27.5 (5/5/2021) | (15.6 - 27.5)/(5 - 3) | -5.95 |
| 20.9 (4/7/2022) | 27.5 (5/5/2021) | (20.9 - 27.5)/(6 - 3) | -2.2 |
| 6 (8/2/2022) | 27.5 (5/5/2021) | (6 - 27.5)/(7 - 3) | -5.375 |
| 10.5 (11/16/2022) | 27.5 (5/5/2021) | (10.5 - 27.5)/(8 - 3) | -3.4 |
| 22.5 (2/14/2023) | 27.5 (5/5/2021) | (22.5 - 27.5)/(9 - 3) | -0.833333 |
| 6.71 (5/25/2023) | 27.5 (5/5/2021) | (6.71 - 27.5)/(10 - 3) | -2.97 |
| 7 (8/7/2023) | 27.5 (5/5/2021) | (7 - 27.5)/(11 - 3) | -2.5625 |
| 13.8 (12/12/2023) | 27.5 (5/5/2021) | (13.8 - 27.5)/(12 - 3) | -1.52222 |
| 34.4 (1/10/2024) | 27.5 (5/5/2021) | (34.4 - 27.5)/(13 - 3) | 0.69 |
| 12 (5/21/2024) | 27.5 (5/5/2021) | (12 - 27.5)/(14 - 3) | -1.40909 |
| 11.5 (9/16/2024) | 27.5 (5/5/2021) | (11.5 - 27.5)/(15 - 3) | -1.33333 |
| 11.6 (12/11/2024) | 27.5 (5/5/2021) | (11.6 - 27.5)/(16 - 3) | -1.22308 |
| 45.1 (2/18/2025) | 27.5 (5/5/2021) | (45.1 - 27.5)/(17 - 3) | 1.25714 |

| | | | |
|---|---|---|---|
| 15.6 (1/11/2022) | 9.2 (11/23/2021) | (15.6 - 9.2)/(5 - 4) | 6.4 |
| 20.9 (4/7/2022) | 9.2 (11/23/2021) | (20.9 - 9.2)/(6 - 4) | 5.85 |
| 6 (8/2/2022) | 9.2 (11/23/2021) | (6 - 9.2)/(7 - 4) | -1.06667 |
| 10.5 (11/16/2022) | 9.2 (11/23/2021) | (10.5 - 9.2)/(8 - 4) | 0.325 |
| 22.5 (2/14/2023) | 9.2 (11/23/2021) | (22.5 - 9.2)/(9 - 4) | 2.66 |
| 6.71 (5/25/2023) | 9.2 (11/23/2021) | (6.71 - 9.2)/(10 - 4) | -0.415 |
| 7 (8/7/2023) | 9.2 (11/23/2021) | (7 - 9.2)/(11 - 4) | -0.314286 |
| 13.8 (12/12/2023) | 9.2 (11/23/2021) | (13.8 - 9.2)/(12 - 4) | 0.575 |
| 34.4 (1/10/2024) | 9.2 (11/23/2021) | (34.4 - 9.2)/(13 - 4) | 2.8 |
| 12 (5/21/2024) | 9.2 (11/23/2021) | (12 - 9.2)/(14 - 4) | 0.28 |
| 11.5 (9/16/2024) | 9.2 (11/23/2021) | (11.5 - 9.2)/(15 - 4) | 0.209091 |
| 11.6 (12/11/2024) | 9.2 (11/23/2021) | (11.6 - 9.2)/(16 - 4) | 0.2 |
| 45.1 (2/18/2025) | 9.2 (11/23/2021) | (45.1 - 9.2)/(17 - 4) | 2.76154 |
| | | | |
| 20.9 (4/7/2022) | 15.6 (1/11/2022) | (20.9 - 15.6)/(6 - 5) | 5.3 |
| 6 (8/2/2022) | 15.6 (1/11/2022) | (6 - 15.6)/(7 - 5) | -4.8 |
| 10.5 (11/16/2022) | 15.6 (1/11/2022) | (10.5 - 15.6)/(8 - 5) | -1.7 |
| 22.5 (2/14/2023) | 15.6 (1/11/2022) | (22.5 - 15.6)/(9 - 5) | 1.725 |
| 6.71 (5/25/2023) | 15.6 (1/11/2022) | (6.71 - 15.6)/(10 - 5) | -1.778 |
| 7 (8/7/2023) | 15.6 (1/11/2022) | (7 - 15.6)/(11 - 5) | -1.43333 |
| 13.8 (12/12/2023) | 15.6 (1/11/2022) | (13.8 - 15.6)/(12 - 5) | -0.257143 |
| 34.4 (1/10/2024) | 15.6 (1/11/2022) | (34.4 - 15.6)/(13 - 5) | 2.35 |
| 12 (5/21/2024) | 15.6 (1/11/2022) | (12 - 15.6)/(14 - 5) | -0.4 |
| 11.5 (9/16/2024) | 15.6 (1/11/2022) | (11.5 - 15.6)/(15 - 5) | -0.41 |
| 11.6 (12/11/2024) | 15.6 (1/11/2022) | (11.6 - 15.6)/(16 - 5) | -0.363636 |
| 45.1 (2/18/2025) | 15.6 (1/11/2022) | (45.1 - 15.6)/(17 - 5) | 2.45833 |
| | | | |
| 6 (8/2/2022) | 20.9 (4/7/2022) | (6 - 20.9)/(7 - 6) | -14.9 |
| 10.5 (11/16/2022) | 20.9 (4/7/2022) | (10.5 - 20.9)/(8 - 6) | -5.2 |
| 22.5 (2/14/2023) | 20.9 (4/7/2022) | (22.5 - 20.9)/(9 - 6) | 0.533333 |
| 6.71 (5/25/2023) | 20.9 (4/7/2022) | (6.71 - 20.9)/(10 - 6) | -3.5475 |
| 7 (8/7/2023) | 20.9 (4/7/2022) | (7 - 20.9)/(11 - 6) | -2.78 |
| 13.8 (12/12/2023) | 20.9 (4/7/2022) | (13.8 - 20.9)/(12 - 6) | -1.18333 |
| 34.4 (1/10/2024) | 20.9 (4/7/2022) | (34.4 - 20.9)/(13 - 6) | 1.92857 |
| 12 (5/21/2024) | 20.9 (4/7/2022) | (12 - 20.9)/(14 - 6) | -1.1125 |
| 11.5 (9/16/2024) | 20.9 (4/7/2022) | (11.5 - 20.9)/(15 - 6) | -1.04444 |
| 11.6 (12/11/2024) | 20.9 (4/7/2022) | (11.6 - 20.9)/(16 - 6) | -0.93 |
| 45.1 (2/18/2025) | 20.9 (4/7/2022) | (45.1 - 20.9)/(17 - 6) | 2.2 |
| | | | |
| 10.5 (11/16/2022) | 6 (8/2/2022) | (10.5 - 6)/(8 - 7) | 4.5 |
| 22.5 (2/14/2023) | 6 (8/2/2022) | (22.5 - 6)/(9 - 7) | 8.25 |
| 6.71 (5/25/2023) | 6 (8/2/2022) | (6.71 - 6)/(10 - 7) | 0.236667 |
| 7 (8/7/2023) | 6 (8/2/2022) | (7 - 6)/(11 - 7) | 0.25 |
| 13.8 (12/12/2023) | 6 (8/2/2022) | (13.8 - 6)/(12 - 7) | 1.56 |
| 34.4 (1/10/2024) | 6 (8/2/2022) | (34.4 - 6)/(13 - 7) | 4.73333 |
| 12 (5/21/2024) | 6 (8/2/2022) | (12 - 6)/(14 - 7) | 0.857143 |
| 11.5 (9/16/2024) | 6 (8/2/2022) | (11.5 - 6)/(15 - 7) | 0.6875 |
| 11.6 (12/11/2024) | 6 (8/2/2022) | (11.6 - 6)/(16 - 7) | 0.622222 |
| 45.1 (2/18/2025) | 6 (8/2/2022) | (45.1 - 6)/(17 - 7) | 3.91 |
| | | | |
| 22.5 (2/14/2023) | 10.5 (11/16/2022) | (22.5 - 10.5)/(9 - 8) | 12 |
| 6.71 (5/25/2023) | 10.5 (11/16/2022) | (6.71 - 10.5)/(10 - 8) | -1.895 |
| 7 (8/7/2023) | 10.5 (11/16/2022) | (7 - 10.5)/(11 - 8) | -1.16667 |
| 13.8 (12/12/2023) | 10.5 (11/16/2022) | (13.8 - 10.5)/(12 - 8) | 0.825 |
| 34.4 (1/10/2024) | 10.5 (11/16/2022) | (34.4 - 10.5)/(13 - 8) | 4.78 |
| 12 (5/21/2024) | 10.5 (11/16/2022) | (12 - 10.5)/(14 - 8) | 0.25 |
| 11.5 (9/16/2024) | 10.5 (11/16/2022) | (11.5 - 10.5)/(15 - 8) | 0.142857 |

| | | | |
|---|---|---|---|
| 11.6 (12/11/2024) | 10.5 (11/16/2022) | (11.6 - 10.5)/(16 - 8) | 0.1375 |
| 45.1 (2/18/2025) | 10.5 (11/16/2022) | (45.1 - 10.5)/(17 - 8) | 3.84444 |
| | | | |
| 6.71 (5/25/2023) | 22.5 (2/14/2023) | (6.71 - 22.5)/(10 - 9) | -15.79 |
| 7 (8/7/2023) | 22.5 (2/14/2023) | (7 - 22.5)/(11 - 9) | -7.75 |
| 13.8 (12/12/2023) | 22.5 (2/14/2023) | (13.8 - 22.5)/(12 - 9) | -2.9 |
| 34.4 (1/10/2024) | 22.5 (2/14/2023) | (34.4 - 22.5)/(13 - 9) | 2.975 |
| 12 (5/21/2024) | 22.5 (2/14/2023) | (12 - 22.5)/(14 - 9) | -2.1 |
| 11.5 (9/16/2024) | 22.5 (2/14/2023) | (11.5 - 22.5)/(15 - 9) | -1.83333 |
| 11.6 (12/11/2024) | 22.5 (2/14/2023) | (11.6 - 22.5)/(16 - 9) | -1.55714 |
| 45.1 (2/18/2025) | 22.5 (2/14/2023) | (45.1 - 22.5)/(17 - 9) | 2.825 |
| | | | |
| 7 (8/7/2023) | 6.71 (5/25/2023) | (7 - 6.71)/(11 - 10) | 0.29 |
| 13.8 (12/12/2023) | 6.71 (5/25/2023) | (13.8 - 6.71)/(12 - 10) | 3.545 |
| 34.4 (1/10/2024) | 6.71 (5/25/2023) | (34.4 - 6.71)/(13 - 10) | 9.23 |
| 12 (5/21/2024) | 6.71 (5/25/2023) | (12 - 6.71)/(14 - 10) | 1.3225 |
| 11.5 (9/16/2024) | 6.71 (5/25/2023) | (11.5 - 6.71)/(15 - 10) | 0.958 |
| 11.6 (12/11/2024) | 6.71 (5/25/2023) | (11.6 - 6.71)/(16 - 10) | 0.815 |
| 45.1 (2/18/2025) | 6.71 (5/25/2023) | (45.1 - 6.71)/(17 - 10) | 5.48429 |
| | | | |
| 13.8 (12/12/2023) | 7 (8/7/2023) | (13.8 - 7)/(12 - 11) | 6.8 |
| 34.4 (1/10/2024) | 7 (8/7/2023) | (34.4 - 7)/(13 - 11) | 13.7 |
| 12 (5/21/2024) | 7 (8/7/2023) | (12 - 7)/(14 - 11) | 1.66667 |
| 11.5 (9/16/2024) | 7 (8/7/2023) | (11.5 - 7)/(15 - 11) | 1.125 |
| 11.6 (12/11/2024) | 7 (8/7/2023) | (11.6 - 7)/(16 - 11) | 0.92 |
| 45.1 (2/18/2025) | 7 (8/7/2023) | (45.1 - 7)/(17 - 11) | 6.35 |
| | | | |
| 34.4 (1/10/2024) | 13.8 (12/12/2023) | (34.4 - 13.8)/(13 - 12) | 20.6 |
| 12 (5/21/2024) | 13.8 (12/12/2023) | (12 - 13.8)/(14 - 12) | -0.9 |
| 11.5 (9/16/2024) | 13.8 (12/12/2023) | (11.5 - 13.8)/(15 - 12) | -0.766667 |
| 11.6 (12/11/2024) | 13.8 (12/12/2023) | (11.6 - 13.8)/(16 - 12) | -0.55 |
| 45.1 (2/18/2025) | 13.8 (12/12/2023) | (45.1 - 13.8)/(17 - 12) | 6.26 |
| | | | |
| 12 (5/21/2024) | 34.4 (1/10/2024) | (12 - 34.4)/(14 - 13) | -22.4 |
| 11.5 (9/16/2024) | 34.4 (1/10/2024) | (11.5 - 34.4)/(15 - 13) | -11.45 |
| 11.6 (12/11/2024) | 34.4 (1/10/2024) | (11.6 - 34.4)/(16 - 13) | -7.6 |
| 45.1 (2/18/2025) | 34.4 (1/10/2024) | (45.1 - 34.4)/(17 - 13) | 2.675 |
| | | | |
| 11.5 (9/16/2024) | 12 (5/21/2024) | (11.5 - 12)/(15 - 14) | -0.5 |
| 11.6 (12/11/2024) | 12 (5/21/2024) | (11.6 - 12)/(16 - 14) | -0.2 |
| 45.1 (2/18/2025) | 12 (5/21/2024) | (45.1 - 12)/(17 - 14) | 11.0333 |
| | | | |
| 11.6 (12/11/2024) | 11.5 (9/16/2024) | (11.6 - 11.5)/(16 - 15) | 0.1 |
| 45.1 (2/18/2025) | 11.5 (9/16/2024) | (45.1 - 11.5)/(17 - 15) | 16.8 |
| | | | |
| 45.1 (2/18/2025) | 11.6 (12/11/2024) | (45.1 - 11.6)/(17 - 16) | 33.5 |

Number of Q values = 136

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -22.4 |
| 2 | -18.3 |
| 3 | -15.79 |
| 4 | -14.9 |
| 5 | -11.45 |

| | |
|---|---|
| 6 | -7.75 |
| 7 | -7.6 |
| 8 | -6.2 |
| 9 | -5.95 |
| 10 | -5.375 |
| 11 | -5.2 |
| 12 | -4.8 |
| 13 | -3.5475 |
| 14 | -3.4 |
| 15 | -3.12 |
| 16 | -2.97 |
| 17 | -2.9 |
| 18 | -2.86667 |
| 19 | -2.78 |
| 20 | -2.5625 |
| 21 | -2.2 |
| 22 | -2.1 |
| 23 | -2 |
| 24 | -1.96667 |
| 25 | -1.895 |
| 26 | -1.86125 |
| 27 | -1.85 |
| 28 | -1.83333 |
| 29 | -1.778 |
| 30 | -1.7 |
| 31 | -1.62222 |
| 32 | -1.55714 |
| 33 | -1.52222 |
| 34 | -1.43333 |
| 35 | -1.40909 |
| 36 | -1.33333 |
| 37 | -1.23222 |
| 38 | -1.22308 |
| 39 | -1.18333 |
| 40 | -1.16667 |
| 41 | -1.1125 |
| 42 | -1.08 |
| 43 | -1.06667 |
| 44 | -1.04444 |
| 45 | -1.04286 |
| 46 | -0.93 |
| 47 | -0.9 |
| 48 | -0.833333 |
| 49 | -0.8 |
| 50 | -0.78 |
| 51 | -0.776923 |
| 52 | -0.766667 |
| 53 | -0.714286 |
| 54 | -0.55 |
| 55 | -0.55 |
| 56 | -0.5 |
| 57 | -0.45 |
| 58 | -0.446154 |
| 59 | -0.415 |
| 60 | -0.413333 |
| 61 | -0.41 |
| 62 | -0.4 |

| | |
|---|---|
| 63 | -0.363636 |
| 64 | -0.363636 |
| 65 | -0.314286 |
| 66 | -0.257143 |
| 67 | -0.2 |
| 68 | -0.175 |
| 69 | 0.1 |
| 70 | 0.128571 |
| 71 | 0.1375 |
| 72 | 0.142857 |
| 73 | 0.2 |
| 74 | 0.209091 |
| 75 | 0.236667 |
| 76 | 0.25 |
| 77 | 0.25 |
| 78 | 0.28 |
| 79 | 0.29 |
| 80 | 0.325 |
| 81 | 0.533333 |
| 82 | 0.575 |
| 83 | 0.5875 |
| 84 | 0.62 |
| 85 | 0.622222 |
| 86 | 0.6875 |
| 87 | 0.69 |
| 88 | 0.815 |
| 89 | 0.825 |
| 90 | 0.857143 |
| 91 | 0.92 |
| 92 | 0.958 |
| 93 | 1.125 |
| 94 | 1.16364 |
| 95 | 1.25714 |
| 96 | 1.3225 |
| 97 | 1.38333 |
| 98 | 1.56 |
| 99 | 1.56667 |
| 100 | 1.66667 |
| 101 | 1.70625 |
| 102 | 1.725 |
| 103 | 1.92857 |
| 104 | 2.2 |
| 105 | 2.35 |
| 106 | 2.45833 |
| 107 | 2.66 |
| 108 | 2.675 |
| 109 | 2.76154 |
| 110 | 2.8 |
| 111 | 2.825 |
| 112 | 2.975 |
| 113 | 3.545 |
| 114 | 3.8 |
| 115 | 3.84444 |
| 116 | 3.91 |
| 117 | 4.5 |
| 118 | 4.73333 |
| 119 | 4.78 |

| | |
|---|---|
| 120 | 4.85 |
| 121 | 5.3 |
| 122 | 5.48429 |
| 123 | 5.85 |
| 124 | 5.9 |
| 125 | 6.26 |
| 126 | 6.35 |
| 127 | 6.4 |
| 128 | 6.8 |
| 129 | 8.25 |
| 130 | 9.23 |
| 131 | 11.0333 |
| 132 | 12 |
| 133 | 13.7 |
| 134 | 16.8 |
| 135 | 20.6 |
| 136 | 33.5 |

Sen's Estimator (Median Q) is -0.0375

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 10608
b = 36720
c = 544
Group Variance = 589.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 39.9308
M1 = (136 - 39.9308)/2.0 = 48.0346
M2 = (136 + 39.9308)/2.0 + 1 = 88.9654
Lower limit is -0.833333 = Q(48)
Upper limit is 0.825 = Q(89)
-0.833333 < 0 < 0.825 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 23 (3/18/2021) | 17.7 (12/17/2020) | (23 - 17.7)/(2 - 1) | 5.3 |
| 60.6 (5/5/2021) | 17.7 (12/17/2020) | (60.6 - 17.7)/(3 - 1) | 21.45 |
| 31.8 (9/2/2021) | 17.7 (12/17/2020) | (31.8 - 17.7)/(4 - 1) | 4.7 |
| 14 (11/23/2021) | 17.7 (12/17/2020) | (14 - 17.7)/(5 - 1) | -0.925 |
| 16.6 (1/11/2022) | 17.7 (12/17/2020) | (16.6 - 17.7)/(6 - 1) | -0.22 |
| 25.4 (4/7/2022) | 17.7 (12/17/2020) | (25.4 - 17.7)/(7 - 1) | 1.28333 |
| 7.3 (8/2/2022) | 17.7 (12/17/2020) | (7.3 - 17.7)/(8 - 1) | -1.48571 |
| 11.1 (11/16/2022) | 17.7 (12/17/2020) | (11.1 - 17.7)/(9 - 1) | -0.825 |
| 12.3 (2/14/2023) | 17.7 (12/17/2020) | (12.3 - 17.7)/(10 - 1) | -0.6 |
| 11.4 (5/25/2023) | 17.7 (12/17/2020) | (11.4 - 17.7)/(11 - 1) | -0.63 |
| 8.6 (8/7/2023) | 17.7 (12/17/2020) | (8.6 - 17.7)/(12 - 1) | -0.827273 |
| 8.93 (12/12/2023) | 17.7 (12/17/2020) | (8.93 - 17.7)/(13 - 1) | -0.730833 |
| 51.5 (1/10/2024) | 17.7 (12/17/2020) | (51.5 - 17.7)/(14 - 1) | 2.6 |
| 12.3 (5/21/2024) | 17.7 (12/17/2020) | (12.3 - 17.7)/(15 - 1) | -0.385714 |
| 8.6 (9/16/2024) | 17.7 (12/17/2020) | (8.6 - 17.7)/(16 - 1) | -0.606667 |
| 8.8 (12/11/2024) | 17.7 (12/17/2020) | (8.8 - 17.7)/(17 - 1) | -0.55625 |
| 62.8 (2/18/2025) | 17.7 (12/17/2020) | (62.8 - 17.7)/(18 - 1) | 2.65294 |
| | | | |
| 60.6 (5/5/2021) | 23 (3/18/2021) | (60.6 - 23)/(3 - 2) | 37.6 |
| 31.8 (9/2/2021) | 23 (3/18/2021) | (31.8 - 23)/(4 - 2) | 4.4 |
| 14 (11/23/2021) | 23 (3/18/2021) | (14 - 23)/(5 - 2) | -3 |
| 16.6 (1/11/2022) | 23 (3/18/2021) | (16.6 - 23)/(6 - 2) | -1.6 |
| 25.4 (4/7/2022) | 23 (3/18/2021) | (25.4 - 23)/(7 - 2) | 0.48 |
| 7.3 (8/2/2022) | 23 (3/18/2021) | (7.3 - 23)/(8 - 2) | -2.61667 |
| 11.1 (11/16/2022) | 23 (3/18/2021) | (11.1 - 23)/(9 - 2) | -1.7 |
| 12.3 (2/14/2023) | 23 (3/18/2021) | (12.3 - 23)/(10 - 2) | -1.3375 |
| 11.4 (5/25/2023) | 23 (3/18/2021) | (11.4 - 23)/(11 - 2) | -1.28889 |
| 8.6 (8/7/2023) | 23 (3/18/2021) | (8.6 - 23)/(12 - 2) | -1.44 |
| 8.93 (12/12/2023) | 23 (3/18/2021) | (8.93 - 23)/(13 - 2) | -1.27909 |
| 51.5 (1/10/2024) | 23 (3/18/2021) | (51.5 - 23)/(14 - 2) | 2.375 |
| 12.3 (5/21/2024) | 23 (3/18/2021) | (12.3 - 23)/(15 - 2) | -0.823077 |
| 8.6 (9/16/2024) | 23 (3/18/2021) | (8.6 - 23)/(16 - 2) | -1.02857 |
| 8.8 (12/11/2024) | 23 (3/18/2021) | (8.8 - 23)/(17 - 2) | -0.946667 |
| 62.8 (2/18/2025) | 23 (3/18/2021) | (62.8 - 23)/(18 - 2) | 2.4875 |
| | | | |
| 31.8 (9/2/2021) | 60.6 (5/5/2021) | (31.8 - 60.6)/(4 - 3) | -28.8 |
| 14 (11/23/2021) | 60.6 (5/5/2021) | (14 - 60.6)/(5 - 3) | -23.3 |
| 16.6 (1/11/2022) | 60.6 (5/5/2021) | (16.6 - 60.6)/(6 - 3) | -14.6667 |
| 25.4 (4/7/2022) | 60.6 (5/5/2021) | (25.4 - 60.6)/(7 - 3) | -8.8 |
| 7.3 (8/2/2022) | 60.6 (5/5/2021) | (7.3 - 60.6)/(8 - 3) | -10.66 |
| 11.1 (11/16/2022) | 60.6 (5/5/2021) | (11.1 - 60.6)/(9 - 3) | -8.25 |
| 12.3 (2/14/2023) | 60.6 (5/5/2021) | (12.3 - 60.6)/(10 - 3) | -6.9 |
| 11.4 (5/25/2023) | 60.6 (5/5/2021) | (11.4 - 60.6)/(11 - 3) | -6.15 |
| 8.6 (8/7/2023) | 60.6 (5/5/2021) | (8.6 - 60.6)/(12 - 3) | -5.77778 |
| 8.93 (12/12/2023) | 60.6 (5/5/2021) | (8.93 - 60.6)/(13 - 3) | -5.167 |
| 51.5 (1/10/2024) | 60.6 (5/5/2021) | (51.5 - 60.6)/(14 - 3) | -0.827273 |
| 12.3 (5/21/2024) | 60.6 (5/5/2021) | (12.3 - 60.6)/(15 - 3) | -4.025 |
| 8.6 (9/16/2024) | 60.6 (5/5/2021) | (8.6 - 60.6)/(16 - 3) | -4 |

| | | | |
|---|---|---|---|
| 8.8 (12/11/2024) | 60.6 (5/5/2021) | (8.8 - 60.6)/(17 - 3) | -3.7 |
| 62.8 (2/18/2025) | 60.6 (5/5/2021) | (62.8 - 60.6)/(18 - 3) | 0.146667 |
| | | | |
| 14 (11/23/2021) | 31.8 (9/2/2021) | (14 - 31.8)/(5 - 4) | -17.8 |
| 16.6 (1/11/2022) | 31.8 (9/2/2021) | (16.6 - 31.8)/(6 - 4) | -7.6 |
| 25.4 (4/7/2022) | 31.8 (9/2/2021) | (25.4 - 31.8)/(7 - 4) | -2.13333 |
| 7.3 (8/2/2022) | 31.8 (9/2/2021) | (7.3 - 31.8)/(8 - 4) | -6.125 |
| 11.1 (11/16/2022) | 31.8 (9/2/2021) | (11.1 - 31.8)/(9 - 4) | -4.14 |
| 12.3 (2/14/2023) | 31.8 (9/2/2021) | (12.3 - 31.8)/(10 - 4) | -3.25 |
| 11.4 (5/25/2023) | 31.8 (9/2/2021) | (11.4 - 31.8)/(11 - 4) | -2.91429 |
| 8.6 (8/7/2023) | 31.8 (9/2/2021) | (8.6 - 31.8)/(12 - 4) | -2.9 |
| 8.93 (12/12/2023) | 31.8 (9/2/2021) | (8.93 - 31.8)/(13 - 4) | -2.54111 |
| 51.5 (1/10/2024) | 31.8 (9/2/2021) | (51.5 - 31.8)/(14 - 4) | 1.97 |
| 12.3 (5/21/2024) | 31.8 (9/2/2021) | (12.3 - 31.8)/(15 - 4) | -1.77273 |
| 8.6 (9/16/2024) | 31.8 (9/2/2021) | (8.6 - 31.8)/(16 - 4) | -1.93333 |
| 8.8 (12/11/2024) | 31.8 (9/2/2021) | (8.8 - 31.8)/(17 - 4) | -1.76923 |
| 62.8 (2/18/2025) | 31.8 (9/2/2021) | (62.8 - 31.8)/(18 - 4) | 2.21429 |
| | | | |
| 16.6 (1/11/2022) | 14 (11/23/2021) | (16.6 - 14)/(6 - 5) | 2.6 |
| 25.4 (4/7/2022) | 14 (11/23/2021) | (25.4 - 14)/(7 - 5) | 5.7 |
| 7.3 (8/2/2022) | 14 (11/23/2021) | (7.3 - 14)/(8 - 5) | -2.23333 |
| 11.1 (11/16/2022) | 14 (11/23/2021) | (11.1 - 14)/(9 - 5) | -0.725 |
| 12.3 (2/14/2023) | 14 (11/23/2021) | (12.3 - 14)/(10 - 5) | -0.34 |
| 11.4 (5/25/2023) | 14 (11/23/2021) | (11.4 - 14)/(11 - 5) | -0.433333 |
| 8.6 (8/7/2023) | 14 (11/23/2021) | (8.6 - 14)/(12 - 5) | -0.771429 |
| 8.93 (12/12/2023) | 14 (11/23/2021) | (8.93 - 14)/(13 - 5) | -0.63375 |
| 51.5 (1/10/2024) | 14 (11/23/2021) | (51.5 - 14)/(14 - 5) | 4.16667 |
| 12.3 (5/21/2024) | 14 (11/23/2021) | (12.3 - 14)/(15 - 5) | -0.17 |
| 8.6 (9/16/2024) | 14 (11/23/2021) | (8.6 - 14)/(16 - 5) | -0.490909 |
| 8.8 (12/11/2024) | 14 (11/23/2021) | (8.8 - 14)/(17 - 5) | -0.433333 |
| 62.8 (2/18/2025) | 14 (11/23/2021) | (62.8 - 14)/(18 - 5) | 3.75385 |
| | | | |
| 25.4 (4/7/2022) | 16.6 (1/11/2022) | (25.4 - 16.6)/(7 - 6) | 8.8 |
| 7.3 (8/2/2022) | 16.6 (1/11/2022) | (7.3 - 16.6)/(8 - 6) | -4.65 |
| 11.1 (11/16/2022) | 16.6 (1/11/2022) | (11.1 - 16.6)/(9 - 6) | -1.83333 |
| 12.3 (2/14/2023) | 16.6 (1/11/2022) | (12.3 - 16.6)/(10 - 6) | -1.075 |
| 11.4 (5/25/2023) | 16.6 (1/11/2022) | (11.4 - 16.6)/(11 - 6) | -1.04 |
| 8.6 (8/7/2023) | 16.6 (1/11/2022) | (8.6 - 16.6)/(12 - 6) | -1.33333 |
| 8.93 (12/12/2023) | 16.6 (1/11/2022) | (8.93 - 16.6)/(13 - 6) | -1.09571 |
| 51.5 (1/10/2024) | 16.6 (1/11/2022) | (51.5 - 16.6)/(14 - 6) | 4.3625 |
| 12.3 (5/21/2024) | 16.6 (1/11/2022) | (12.3 - 16.6)/(15 - 6) | -0.477778 |
| 8.6 (9/16/2024) | 16.6 (1/11/2022) | (8.6 - 16.6)/(16 - 6) | -0.8 |
| 8.8 (12/11/2024) | 16.6 (1/11/2022) | (8.8 - 16.6)/(17 - 6) | -0.709091 |
| 62.8 (2/18/2025) | 16.6 (1/11/2022) | (62.8 - 16.6)/(18 - 6) | 3.85 |
| | | | |
| 7.3 (8/2/2022) | 25.4 (4/7/2022) | (7.3 - 25.4)/(8 - 7) | -18.1 |
| 11.1 (11/16/2022) | 25.4 (4/7/2022) | (11.1 - 25.4)/(9 - 7) | -7.15 |
| 12.3 (2/14/2023) | 25.4 (4/7/2022) | (12.3 - 25.4)/(10 - 7) | -4.36667 |
| 11.4 (5/25/2023) | 25.4 (4/7/2022) | (11.4 - 25.4)/(11 - 7) | -3.5 |
| 8.6 (8/7/2023) | 25.4 (4/7/2022) | (8.6 - 25.4)/(12 - 7) | -3.36 |
| 8.93 (12/12/2023) | 25.4 (4/7/2022) | (8.93 - 25.4)/(13 - 7) | -2.745 |
| 51.5 (1/10/2024) | 25.4 (4/7/2022) | (51.5 - 25.4)/(14 - 7) | 3.72857 |
| 12.3 (5/21/2024) | 25.4 (4/7/2022) | (12.3 - 25.4)/(15 - 7) | -1.6375 |
| 8.6 (9/16/2024) | 25.4 (4/7/2022) | (8.6 - 25.4)/(16 - 7) | -1.86667 |
| 8.8 (12/11/2024) | 25.4 (4/7/2022) | (8.8 - 25.4)/(17 - 7) | -1.66 |
| 62.8 (2/18/2025) | 25.4 (4/7/2022) | (62.8 - 25.4)/(18 - 7) | 3.4 |

| | | | |
|---|---|---|---|
| 11.1 (11/16/2022) | 7.3 (8/2/2022) | (11.1 - 7.3)/(9 - 8) | 3.8 |
| 12.3 (2/14/2023) | 7.3 (8/2/2022) | (12.3 - 7.3)/(10 - 8) | 2.5 |
| 11.4 (5/25/2023) | 7.3 (8/2/2022) | (11.4 - 7.3)/(11 - 8) | 1.36667 |
| 8.6 (8/7/2023) | 7.3 (8/2/2022) | (8.6 - 7.3)/(12 - 8) | 0.325 |
| 8.93 (12/12/2023) | 7.3 (8/2/2022) | (8.93 - 7.3)/(13 - 8) | 0.326 |
| 51.5 (1/10/2024) | 7.3 (8/2/2022) | (51.5 - 7.3)/(14 - 8) | 7.36667 |
| 12.3 (5/21/2024) | 7.3 (8/2/2022) | (12.3 - 7.3)/(15 - 8) | 0.714286 |
| 8.6 (9/16/2024) | 7.3 (8/2/2022) | (8.6 - 7.3)/(16 - 8) | 0.1625 |
| 8.8 (12/11/2024) | 7.3 (8/2/2022) | (8.8 - 7.3)/(17 - 8) | 0.166667 |
| 62.8 (2/18/2025) | 7.3 (8/2/2022) | (62.8 - 7.3)/(18 - 8) | 5.55 |
| | | | |
| 12.3 (2/14/2023) | 11.1 (11/16/2022) | (12.3 - 11.1)/(10 - 9) | 1.2 |
| 11.4 (5/25/2023) | 11.1 (11/16/2022) | (11.4 - 11.1)/(11 - 9) | 0.15 |
| 8.6 (8/7/2023) | 11.1 (11/16/2022) | (8.6 - 11.1)/(12 - 9) | -0.833333 |
| 8.93 (12/12/2023) | 11.1 (11/16/2022) | (8.93 - 11.1)/(13 - 9) | -0.5425 |
| 51.5 (1/10/2024) | 11.1 (11/16/2022) | (51.5 - 11.1)/(14 - 9) | 8.08 |
| 12.3 (5/21/2024) | 11.1 (11/16/2022) | (12.3 - 11.1)/(15 - 9) | 0.2 |
| 8.6 (9/16/2024) | 11.1 (11/16/2022) | (8.6 - 11.1)/(16 - 9) | -0.357143 |
| 8.8 (12/11/2024) | 11.1 (11/16/2022) | (8.8 - 11.1)/(17 - 9) | -0.2875 |
| 62.8 (2/18/2025) | 11.1 (11/16/2022) | (62.8 - 11.1)/(18 - 9) | 5.74444 |
| | | | |
| 11.4 (5/25/2023) | 12.3 (2/14/2023) | (11.4 - 12.3)/(11 - 10) | -0.9 |
| 8.6 (8/7/2023) | 12.3 (2/14/2023) | (8.6 - 12.3)/(12 - 10) | -1.85 |
| 8.93 (12/12/2023) | 12.3 (2/14/2023) | (8.93 - 12.3)/(13 - 10) | -1.12333 |
| 51.5 (1/10/2024) | 12.3 (2/14/2023) | (51.5 - 12.3)/(14 - 10) | 9.8 |
| 12.3 (5/21/2024) | 12.3 (2/14/2023) | (12.3 - 12.3)/(15 - 10) | 0 |
| 8.6 (9/16/2024) | 12.3 (2/14/2023) | (8.6 - 12.3)/(16 - 10) | -0.616667 |
| 8.8 (12/11/2024) | 12.3 (2/14/2023) | (8.8 - 12.3)/(17 - 10) | -0.5 |
| 62.8 (2/18/2025) | 12.3 (2/14/2023) | (62.8 - 12.3)/(18 - 10) | 6.3125 |
| | | | |
| 8.6 (8/7/2023) | 11.4 (5/25/2023) | (8.6 - 11.4)/(12 - 11) | -2.8 |
| 8.93 (12/12/2023) | 11.4 (5/25/2023) | (8.93 - 11.4)/(13 - 11) | -1.235 |
| 51.5 (1/10/2024) | 11.4 (5/25/2023) | (51.5 - 11.4)/(14 - 11) | 13.3667 |
| 12.3 (5/21/2024) | 11.4 (5/25/2023) | (12.3 - 11.4)/(15 - 11) | 0.225 |
| 8.6 (9/16/2024) | 11.4 (5/25/2023) | (8.6 - 11.4)/(16 - 11) | -0.56 |
| 8.8 (12/11/2024) | 11.4 (5/25/2023) | (8.8 - 11.4)/(17 - 11) | -0.433333 |
| 62.8 (2/18/2025) | 11.4 (5/25/2023) | (62.8 - 11.4)/(18 - 11) | 7.34286 |
| | | | |
| 8.93 (12/12/2023) | 8.6 (8/7/2023) | (8.93 - 8.6)/(13 - 12) | 0.33 |
| 51.5 (1/10/2024) | 8.6 (8/7/2023) | (51.5 - 8.6)/(14 - 12) | 21.45 |
| 12.3 (5/21/2024) | 8.6 (8/7/2023) | (12.3 - 8.6)/(15 - 12) | 1.23333 |
| 8.6 (9/16/2024) | 8.6 (8/7/2023) | (8.6 - 8.6)/(16 - 12) | 0 |
| 8.8 (12/11/2024) | 8.6 (8/7/2023) | (8.8 - 8.6)/(17 - 12) | 0.04 |
| 62.8 (2/18/2025) | 8.6 (8/7/2023) | (62.8 - 8.6)/(18 - 12) | 9.03333 |
| | | | |
| 51.5 (1/10/2024) | 8.93 (12/12/2023) | (51.5 - 8.93)/(14 - 13) | 42.57 |
| 12.3 (5/21/2024) | 8.93 (12/12/2023) | (12.3 - 8.93)/(15 - 13) | 1.685 |
| 8.6 (9/16/2024) | 8.93 (12/12/2023) | (8.6 - 8.93)/(16 - 13) | -0.11 |
| 8.8 (12/11/2024) | 8.93 (12/12/2023) | (8.8 - 8.93)/(17 - 13) | -0.0325 |
| 62.8 (2/18/2025) | 8.93 (12/12/2023) | (62.8 - 8.93)/(18 - 13) | 10.774 |
| | | | |
| 12.3 (5/21/2024) | 51.5 (1/10/2024) | (12.3 - 51.5)/(15 - 14) | -39.2 |
| 8.6 (9/16/2024) | 51.5 (1/10/2024) | (8.6 - 51.5)/(16 - 14) | -21.45 |
| 8.8 (12/11/2024) | 51.5 (1/10/2024) | (8.8 - 51.5)/(17 - 14) | -14.2333 |
| 62.8 (2/18/2025) | 51.5 (1/10/2024) | (62.8 - 51.5)/(18 - 14) | 2.825 |
| | | | |
| 8.6 (9/16/2024) | 12.3 (5/21/2024) | (8.6 - 12.3)/(16 - 15) | -3.7 |

| | | | |
|---|---|---|---|
| 8.8 (12/11/2024) | 12.3 (5/21/2024) | (8.8 - 12.3)/(17 - 15) | -1.75 |
| 62.8 (2/18/2025) | 12.3 (5/21/2024) | (62.8 - 12.3)/(18 - 15) | 16.8333 |
| | | | |
| 8.8 (12/11/2024) | 8.6 (9/16/2024) | (8.8 - 8.6)/(17 - 16) | 0.2 |
| 62.8 (2/18/2025) | 8.6 (9/16/2024) | (62.8 - 8.6)/(18 - 16) | 27.1 |
| | | | |
| 62.8 (2/18/2025) | 8.8 (12/11/2024) | (62.8 - 8.8)/(18 - 17) | 54 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -39.2 |
| 2 | -28.8 |
| 3 | -23.3 |
| 4 | -21.45 |
| 5 | -18.1 |
| 6 | -17.8 |
| 7 | -14.6667 |
| 8 | -14.2333 |
| 9 | -10.66 |
| 10 | -8.8 |
| 11 | -8.25 |
| 12 | -7.6 |
| 13 | -7.15 |
| 14 | -6.9 |
| 15 | -6.15 |
| 16 | -6.125 |
| 17 | -5.77778 |
| 18 | -5.167 |
| 19 | -4.65 |
| 20 | -4.36667 |
| 21 | -4.14 |
| 22 | -4.025 |
| 23 | -4 |
| 24 | -3.7 |
| 25 | -3.7 |
| 26 | -3.5 |
| 27 | -3.36 |
| 28 | -3.25 |
| 29 | -3 |
| 30 | -2.91429 |
| 31 | -2.9 |
| 32 | -2.8 |
| 33 | -2.745 |
| 34 | -2.61667 |
| 35 | -2.54111 |
| 36 | -2.23333 |
| 37 | -2.13333 |
| 38 | -1.93333 |
| 39 | -1.86667 |
| 40 | -1.85 |
| 41 | -1.83333 |
| 42 | -1.77273 |
| 43 | -1.76923 |
| 44 | -1.75 |

| | |
|---|---|
| 45 | -1.7 |
| 46 | -1.66 |
| 47 | -1.6375 |
| 48 | -1.6 |
| 49 | -1.48571 |
| 50 | -1.44 |
| 51 | -1.3375 |
| 52 | -1.33333 |
| 53 | -1.28889 |
| 54 | -1.27909 |
| 55 | -1.235 |
| 56 | -1.12333 |
| 57 | -1.09571 |
| 58 | -1.075 |
| 59 | -1.04 |
| 60 | -1.02857 |
| 61 | -0.946667 |
| 62 | -0.925 |
| 63 | -0.9 |
| 64 | -0.833333 |
| 65 | -0.827273 |
| 66 | -0.827273 |
| 67 | -0.825 |
| 68 | -0.823077 |
| 69 | -0.8 |
| 70 | -0.771429 |
| 71 | -0.730833 |
| 72 | -0.725 |
| 73 | -0.709091 |
| 74 | -0.63375 |
| 75 | -0.63 |
| 76 | -0.616667 |
| 77 | -0.606667 |
| 78 | -0.6 |
| 79 | -0.56 |
| 80 | -0.55625 |
| 81 | -0.5425 |
| 82 | -0.5 |
| 83 | -0.490909 |
| 84 | -0.477778 |
| 85 | -0.433333 |
| 86 | -0.433333 |
| 87 | -0.433333 |
| 88 | -0.385714 |
| 89 | -0.357143 |
| 90 | -0.34 |
| 91 | -0.2875 |
| 92 | -0.22 |
| 93 | -0.17 |
| 94 | -0.11 |
| 95 | -0.0325 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0.04 |
| 99 | 0.146667 |
| 100 | 0.15 |
| 101 | 0.1625 |

| | |
|---|---|
| 102 | 0.166667 |
| 103 | 0.2 |
| 104 | 0.2 |
| 105 | 0.225 |
| 106 | 0.325 |
| 107 | 0.326 |
| 108 | 0.33 |
| 109 | 0.48 |
| 110 | 0.714286 |
| 111 | 1.2 |
| 112 | 1.23333 |
| 113 | 1.28333 |
| 114 | 1.36667 |
| 115 | 1.685 |
| 116 | 1.97 |
| 117 | 2.21429 |
| 118 | 2.375 |
| 119 | 2.4875 |
| 120 | 2.5 |
| 121 | 2.6 |
| 122 | 2.6 |
| 123 | 2.65294 |
| 124 | 2.825 |
| 125 | 3.4 |
| 126 | 3.72857 |
| 127 | 3.75385 |
| 128 | 3.8 |
| 129 | 3.85 |
| 130 | 4.16667 |
| 131 | 4.3625 |
| 132 | 4.4 |
| 133 | 4.7 |
| 134 | 5.3 |
| 135 | 5.55 |
| 136 | 5.7 |
| 137 | 5.74444 |
| 138 | 6.3125 |
| 139 | 7.34286 |
| 140 | 7.36667 |
| 141 | 8.08 |
| 142 | 8.8 |
| 143 | 9.03333 |
| 144 | 9.8 |
| 145 | 10.774 |
| 146 | 13.3667 |
| 147 | 16.8333 |
| 148 | 21.45 |
| 149 | 21.45 |
| 150 | 27.1 |
| 151 | 37.6 |
| 152 | 42.57 |
| 153 | 54 |

Sen's Estimator (Median Q) is -0.606667

| Tied Group | Value | Members |
|---|---|---|
| 1 | 12.3 | 2 |
| 2 | 8.6 | 2 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 36
B = 0
C = 0
D = 0
E = 4
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 695
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.363
M1 = (153 - 43.363)/2.0 = 54.8185
M2 = (153 + 43.363)/2.0 + 1 = 99.1815
Lower limit is -1.235 = Q(55)
Upper limit is 0.146667 = Q(99)
-1.235 < 0 < 0.146667 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 47.2 (3/18/2021) | 16.7 (12/17/2020) | (47.2 - 16.7)/(2 - 1) | 30.5 |
| 82.8 (5/5/2021) | 16.7 (12/17/2020) | (82.8 - 16.7)/(3 - 1) | 33.05 |
| 19 (9/2/2021) | 16.7 (12/17/2020) | (19 - 16.7)/(4 - 1) | 0.766667 |
| 11.2 (11/23/2021) | 16.7 (12/17/2020) | (11.2 - 16.7)/(5 - 1) | -1.375 |
| 16.9 (1/11/2022) | 16.7 (12/17/2020) | (16.9 - 16.7)/(6 - 1) | 0.04 |
| 28.8 (4/7/2022) | 16.7 (12/17/2020) | (28.8 - 16.7)/(7 - 1) | 2.01667 |
| 8.4 (8/2/2022) | 16.7 (12/17/2020) | (8.4 - 16.7)/(8 - 1) | -1.18571 |
| 11.3 (11/16/2022) | 16.7 (12/17/2020) | (11.3 - 16.7)/(9 - 1) | -0.675 |
| 14.9 (2/14/2023) | 16.7 (12/17/2020) | (14.9 - 16.7)/(10 - 1) | -0.2 |
| 10 (5/25/2023) | 16.7 (12/17/2020) | (10 - 16.7)/(11 - 1) | -0.67 |
| 12.4 (8/7/2023) | 16.7 (12/17/2020) | (12.4 - 16.7)/(12 - 1) | -0.390909 |
| 10.1 (12/12/2023) | 16.7 (12/17/2020) | (10.1 - 16.7)/(13 - 1) | -0.55 |
| 39.5 (1/10/2024) | 16.7 (12/17/2020) | (39.5 - 16.7)/(14 - 1) | 1.75385 |
| 47.6 (5/21/2024) | 16.7 (12/17/2020) | (47.6 - 16.7)/(15 - 1) | 2.20714 |
| 20.4 (9/16/2024) | 16.7 (12/17/2020) | (20.4 - 16.7)/(16 - 1) | 0.246667 |
| 103 (12/11/2024) | 16.7 (12/17/2020) | (103 - 16.7)/(17 - 1) | 5.39375 |
| 230 (2/18/2025) | 16.7 (12/17/2020) | (230 - 16.7)/(18 - 1) | 12.5471 |
| | | | |
| 82.8 (5/5/2021) | 47.2 (3/18/2021) | (82.8 - 47.2)/(3 - 2) | 35.6 |
| 19 (9/2/2021) | 47.2 (3/18/2021) | (19 - 47.2)/(4 - 2) | -14.1 |
| 11.2 (11/23/2021) | 47.2 (3/18/2021) | (11.2 - 47.2)/(5 - 2) | -12 |
| 16.9 (1/11/2022) | 47.2 (3/18/2021) | (16.9 - 47.2)/(6 - 2) | -7.575 |
| 28.8 (4/7/2022) | 47.2 (3/18/2021) | (28.8 - 47.2)/(7 - 2) | -3.68 |
| 8.4 (8/2/2022) | 47.2 (3/18/2021) | (8.4 - 47.2)/(8 - 2) | -6.46667 |
| 11.3 (11/16/2022) | 47.2 (3/18/2021) | (11.3 - 47.2)/(9 - 2) | -5.12857 |
| 14.9 (2/14/2023) | 47.2 (3/18/2021) | (14.9 - 47.2)/(10 - 2) | -4.0375 |
| 10 (5/25/2023) | 47.2 (3/18/2021) | (10 - 47.2)/(11 - 2) | -4.13333 |
| 12.4 (8/7/2023) | 47.2 (3/18/2021) | (12.4 - 47.2)/(12 - 2) | -3.48 |
| 10.1 (12/12/2023) | 47.2 (3/18/2021) | (10.1 - 47.2)/(13 - 2) | -3.37273 |
| 39.5 (1/10/2024) | 47.2 (3/18/2021) | (39.5 - 47.2)/(14 - 2) | -0.641667 |
| 47.6 (5/21/2024) | 47.2 (3/18/2021) | (47.6 - 47.2)/(15 - 2) | 0.0307692 |
| 20.4 (9/16/2024) | 47.2 (3/18/2021) | (20.4 - 47.2)/(16 - 2) | -1.91429 |
| 103 (12/11/2024) | 47.2 (3/18/2021) | (103 - 47.2)/(17 - 2) | 3.72 |
| 230 (2/18/2025) | 47.2 (3/18/2021) | (230 - 47.2)/(18 - 2) | 11.425 |
| | | | |
| 19 (9/2/2021) | 82.8 (5/5/2021) | (19 - 82.8)/(4 - 3) | -63.8 |
| 11.2 (11/23/2021) | 82.8 (5/5/2021) | (11.2 - 82.8)/(5 - 3) | -35.8 |
| 16.9 (1/11/2022) | 82.8 (5/5/2021) | (16.9 - 82.8)/(6 - 3) | -21.9667 |
| 28.8 (4/7/2022) | 82.8 (5/5/2021) | (28.8 - 82.8)/(7 - 3) | -13.5 |
| 8.4 (8/2/2022) | 82.8 (5/5/2021) | (8.4 - 82.8)/(8 - 3) | -14.88 |
| 11.3 (11/16/2022) | 82.8 (5/5/2021) | (11.3 - 82.8)/(9 - 3) | -11.9167 |
| 14.9 (2/14/2023) | 82.8 (5/5/2021) | (14.9 - 82.8)/(10 - 3) | -9.7 |
| 10 (5/25/2023) | 82.8 (5/5/2021) | (10 - 82.8)/(11 - 3) | -9.1 |
| 12.4 (8/7/2023) | 82.8 (5/5/2021) | (12.4 - 82.8)/(12 - 3) | -7.82222 |
| 10.1 (12/12/2023) | 82.8 (5/5/2021) | (10.1 - 82.8)/(13 - 3) | -7.27 |
| 39.5 (1/10/2024) | 82.8 (5/5/2021) | (39.5 - 82.8)/(14 - 3) | -3.93636 |
| 47.6 (5/21/2024) | 82.8 (5/5/2021) | (47.6 - 82.8)/(15 - 3) | -2.93333 |
| 20.4 (9/16/2024) | 82.8 (5/5/2021) | (20.4 - 82.8)/(16 - 3) | -4.8 |

| | | | |
|---|---|---|---|
| 103 (12/11/2024) | 82.8 (5/5/2021) | (103 - 82.8)/(17 - 3) | 1.44286 |
| 230 (2/18/2025) | 82.8 (5/5/2021) | (230 - 82.8)/(18 - 3) | 9.81333 |
| | | | |
| 11.2 (11/23/2021) | 19 (9/2/2021) | (11.2 - 19)/(5 - 4) | -7.8 |
| 16.9 (1/11/2022) | 19 (9/2/2021) | (16.9 - 19)/(6 - 4) | -1.05 |
| 28.8 (4/7/2022) | 19 (9/2/2021) | (28.8 - 19)/(7 - 4) | 3.26667 |
| 8.4 (8/2/2022) | 19 (9/2/2021) | (8.4 - 19)/(8 - 4) | -2.65 |
| 11.3 (11/16/2022) | 19 (9/2/2021) | (11.3 - 19)/(9 - 4) | -1.54 |
| 14.9 (2/14/2023) | 19 (9/2/2021) | (14.9 - 19)/(10 - 4) | -0.683333 |
| 10 (5/25/2023) | 19 (9/2/2021) | (10 - 19)/(11 - 4) | -1.28571 |
| 12.4 (8/7/2023) | 19 (9/2/2021) | (12.4 - 19)/(12 - 4) | -0.825 |
| 10.1 (12/12/2023) | 19 (9/2/2021) | (10.1 - 19)/(13 - 4) | -0.988889 |
| 39.5 (1/10/2024) | 19 (9/2/2021) | (39.5 - 19)/(14 - 4) | 2.05 |
| 47.6 (5/21/2024) | 19 (9/2/2021) | (47.6 - 19)/(15 - 4) | 2.6 |
| 20.4 (9/16/2024) | 19 (9/2/2021) | (20.4 - 19)/(16 - 4) | 0.116667 |
| 103 (12/11/2024) | 19 (9/2/2021) | (103 - 19)/(17 - 4) | 6.46154 |
| 230 (2/18/2025) | 19 (9/2/2021) | (230 - 19)/(18 - 4) | 15.0714 |
| | | | |
| 16.9 (1/11/2022) | 11.2 (11/23/2021) | (16.9 - 11.2)/(6 - 5) | 5.7 |
| 28.8 (4/7/2022) | 11.2 (11/23/2021) | (28.8 - 11.2)/(7 - 5) | 8.8 |
| 8.4 (8/2/2022) | 11.2 (11/23/2021) | (8.4 - 11.2)/(8 - 5) | -0.933333 |
| 11.3 (11/16/2022) | 11.2 (11/23/2021) | (11.3 - 11.2)/(9 - 5) | 0.025 |
| 14.9 (2/14/2023) | 11.2 (11/23/2021) | (14.9 - 11.2)/(10 - 5) | 0.74 |
| 10 (5/25/2023) | 11.2 (11/23/2021) | (10 - 11.2)/(11 - 5) | -0.2 |
| 12.4 (8/7/2023) | 11.2 (11/23/2021) | (12.4 - 11.2)/(12 - 5) | 0.171429 |
| 10.1 (12/12/2023) | 11.2 (11/23/2021) | (10.1 - 11.2)/(13 - 5) | -0.1375 |
| 39.5 (1/10/2024) | 11.2 (11/23/2021) | (39.5 - 11.2)/(14 - 5) | 3.14444 |
| 47.6 (5/21/2024) | 11.2 (11/23/2021) | (47.6 - 11.2)/(15 - 5) | 3.64 |
| 20.4 (9/16/2024) | 11.2 (11/23/2021) | (20.4 - 11.2)/(16 - 5) | 0.836364 |
| 103 (12/11/2024) | 11.2 (11/23/2021) | (103 - 11.2)/(17 - 5) | 7.65 |
| 230 (2/18/2025) | 11.2 (11/23/2021) | (230 - 11.2)/(18 - 5) | 16.8308 |
| | | | |
| 28.8 (4/7/2022) | 16.9 (1/11/2022) | (28.8 - 16.9)/(7 - 6) | 11.9 |
| 8.4 (8/2/2022) | 16.9 (1/11/2022) | (8.4 - 16.9)/(8 - 6) | -4.25 |
| 11.3 (11/16/2022) | 16.9 (1/11/2022) | (11.3 - 16.9)/(9 - 6) | -1.86667 |
| 14.9 (2/14/2023) | 16.9 (1/11/2022) | (14.9 - 16.9)/(10 - 6) | -0.5 |
| 10 (5/25/2023) | 16.9 (1/11/2022) | (10 - 16.9)/(11 - 6) | -1.38 |
| 12.4 (8/7/2023) | 16.9 (1/11/2022) | (12.4 - 16.9)/(12 - 6) | -0.75 |
| 10.1 (12/12/2023) | 16.9 (1/11/2022) | (10.1 - 16.9)/(13 - 6) | -0.971429 |
| 39.5 (1/10/2024) | 16.9 (1/11/2022) | (39.5 - 16.9)/(14 - 6) | 2.825 |
| 47.6 (5/21/2024) | 16.9 (1/11/2022) | (47.6 - 16.9)/(15 - 6) | 3.41111 |
| 20.4 (9/16/2024) | 16.9 (1/11/2022) | (20.4 - 16.9)/(16 - 6) | 0.35 |
| 103 (12/11/2024) | 16.9 (1/11/2022) | (103 - 16.9)/(17 - 6) | 7.82727 |
| 230 (2/18/2025) | 16.9 (1/11/2022) | (230 - 16.9)/(18 - 6) | 17.7583 |
| | | | |
| 8.4 (8/2/2022) | 28.8 (4/7/2022) | (8.4 - 28.8)/(8 - 7) | -20.4 |
| 11.3 (11/16/2022) | 28.8 (4/7/2022) | (11.3 - 28.8)/(9 - 7) | -8.75 |
| 14.9 (2/14/2023) | 28.8 (4/7/2022) | (14.9 - 28.8)/(10 - 7) | -4.63333 |
| 10 (5/25/2023) | 28.8 (4/7/2022) | (10 - 28.8)/(11 - 7) | -4.7 |
| 12.4 (8/7/2023) | 28.8 (4/7/2022) | (12.4 - 28.8)/(12 - 7) | -3.28 |
| 10.1 (12/12/2023) | 28.8 (4/7/2022) | (10.1 - 28.8)/(13 - 7) | -3.11667 |
| 39.5 (1/10/2024) | 28.8 (4/7/2022) | (39.5 - 28.8)/(14 - 7) | 1.52857 |
| 47.6 (5/21/2024) | 28.8 (4/7/2022) | (47.6 - 28.8)/(15 - 7) | 2.35 |
| 20.4 (9/16/2024) | 28.8 (4/7/2022) | (20.4 - 28.8)/(16 - 7) | -0.933333 |
| 103 (12/11/2024) | 28.8 (4/7/2022) | (103 - 28.8)/(17 - 7) | 7.42 |
| 230 (2/18/2025) | 28.8 (4/7/2022) | (230 - 28.8)/(18 - 7) | 18.2909 |

| | | | |
|---|---|---|---|
| 11.3 (11/16/2022) | 8.4 (8/2/2022) | (11.3 - 8.4)/(9 - 8) | 2.9 |
| 14.9 (2/14/2023) | 8.4 (8/2/2022) | (14.9 - 8.4)/(10 - 8) | 3.25 |
| 10 (5/25/2023) | 8.4 (8/2/2022) | (10 - 8.4)/(11 - 8) | 0.533333 |
| 12.4 (8/7/2023) | 8.4 (8/2/2022) | (12.4 - 8.4)/(12 - 8) | 1 |
| 10.1 (12/12/2023) | 8.4 (8/2/2022) | (10.1 - 8.4)/(13 - 8) | 0.34 |
| 39.5 (1/10/2024) | 8.4 (8/2/2022) | (39.5 - 8.4)/(14 - 8) | 5.18333 |
| 47.6 (5/21/2024) | 8.4 (8/2/2022) | (47.6 - 8.4)/(15 - 8) | 5.6 |
| 20.4 (9/16/2024) | 8.4 (8/2/2022) | (20.4 - 8.4)/(16 - 8) | 1.5 |
| 103 (12/11/2024) | 8.4 (8/2/2022) | (103 - 8.4)/(17 - 8) | 10.5111 |
| 230 (2/18/2025) | 8.4 (8/2/2022) | (230 - 8.4)/(18 - 8) | 22.16 |
| | | | |
| 14.9 (2/14/2023) | 11.3 (11/16/2022) | (14.9 - 11.3)/(10 - 9) | 3.6 |
| 10 (5/25/2023) | 11.3 (11/16/2022) | (10 - 11.3)/(11 - 9) | -0.65 |
| 12.4 (8/7/2023) | 11.3 (11/16/2022) | (12.4 - 11.3)/(12 - 9) | 0.366667 |
| 10.1 (12/12/2023) | 11.3 (11/16/2022) | (10.1 - 11.3)/(13 - 9) | -0.3 |
| 39.5 (1/10/2024) | 11.3 (11/16/2022) | (39.5 - 11.3)/(14 - 9) | 5.64 |
| 47.6 (5/21/2024) | 11.3 (11/16/2022) | (47.6 - 11.3)/(15 - 9) | 6.05 |
| 20.4 (9/16/2024) | 11.3 (11/16/2022) | (20.4 - 11.3)/(16 - 9) | 1.3 |
| 103 (12/11/2024) | 11.3 (11/16/2022) | (103 - 11.3)/(17 - 9) | 11.4625 |
| 230 (2/18/2025) | 11.3 (11/16/2022) | (230 - 11.3)/(18 - 9) | 24.3 |
| | | | |
| 10 (5/25/2023) | 14.9 (2/14/2023) | (10 - 14.9)/(11 - 10) | -4.9 |
| 12.4 (8/7/2023) | 14.9 (2/14/2023) | (12.4 - 14.9)/(12 - 10) | -1.25 |
| 10.1 (12/12/2023) | 14.9 (2/14/2023) | (10.1 - 14.9)/(13 - 10) | -1.6 |
| 39.5 (1/10/2024) | 14.9 (2/14/2023) | (39.5 - 14.9)/(14 - 10) | 6.15 |
| 47.6 (5/21/2024) | 14.9 (2/14/2023) | (47.6 - 14.9)/(15 - 10) | 6.54 |
| 20.4 (9/16/2024) | 14.9 (2/14/2023) | (20.4 - 14.9)/(16 - 10) | 0.916667 |
| 103 (12/11/2024) | 14.9 (2/14/2023) | (103 - 14.9)/(17 - 10) | 12.5857 |
| 230 (2/18/2025) | 14.9 (2/14/2023) | (230 - 14.9)/(18 - 10) | 26.8875 |
| | | | |
| 12.4 (8/7/2023) | 10 (5/25/2023) | (12.4 - 10)/(12 - 11) | 2.4 |
| 10.1 (12/12/2023) | 10 (5/25/2023) | (10.1 - 10)/(13 - 11) | 0.05 |
| 39.5 (1/10/2024) | 10 (5/25/2023) | (39.5 - 10)/(14 - 11) | 9.83333 |
| 47.6 (5/21/2024) | 10 (5/25/2023) | (47.6 - 10)/(15 - 11) | 9.4 |
| 20.4 (9/16/2024) | 10 (5/25/2023) | (20.4 - 10)/(16 - 11) | 2.08 |
| 103 (12/11/2024) | 10 (5/25/2023) | (103 - 10)/(17 - 11) | 15.5 |
| 230 (2/18/2025) | 10 (5/25/2023) | (230 - 10)/(18 - 11) | 31.4286 |
| | | | |
| 10.1 (12/12/2023) | 12.4 (8/7/2023) | (10.1 - 12.4)/(13 - 12) | -2.3 |
| 39.5 (1/10/2024) | 12.4 (8/7/2023) | (39.5 - 12.4)/(14 - 12) | 13.55 |
| 47.6 (5/21/2024) | 12.4 (8/7/2023) | (47.6 - 12.4)/(15 - 12) | 11.7333 |
| 20.4 (9/16/2024) | 12.4 (8/7/2023) | (20.4 - 12.4)/(16 - 12) | 2 |
| 103 (12/11/2024) | 12.4 (8/7/2023) | (103 - 12.4)/(17 - 12) | 18.12 |
| 230 (2/18/2025) | 12.4 (8/7/2023) | (230 - 12.4)/(18 - 12) | 36.2667 |
| | | | |
| 39.5 (1/10/2024) | 10.1 (12/12/2023) | (39.5 - 10.1)/(14 - 13) | 29.4 |
| 47.6 (5/21/2024) | 10.1 (12/12/2023) | (47.6 - 10.1)/(15 - 13) | 18.75 |
| 20.4 (9/16/2024) | 10.1 (12/12/2023) | (20.4 - 10.1)/(16 - 13) | 3.43333 |
| 103 (12/11/2024) | 10.1 (12/12/2023) | (103 - 10.1)/(17 - 13) | 23.225 |
| 230 (2/18/2025) | 10.1 (12/12/2023) | (230 - 10.1)/(18 - 13) | 43.98 |
| | | | |
| 47.6 (5/21/2024) | 39.5 (1/10/2024) | (47.6 - 39.5)/(15 - 14) | 8.1 |
| 20.4 (9/16/2024) | 39.5 (1/10/2024) | (20.4 - 39.5)/(16 - 14) | -9.55 |
| 103 (12/11/2024) | 39.5 (1/10/2024) | (103 - 39.5)/(17 - 14) | 21.1667 |
| 230 (2/18/2025) | 39.5 (1/10/2024) | (230 - 39.5)/(18 - 14) | 47.625 |
| | | | |
| 20.4 (9/16/2024) | 47.6 (5/21/2024) | (20.4 - 47.6)/(16 - 15) | -27.2 |

| | | | |
|---|---|---|---|
| 103 (12/11/2024) | 47.6 (5/21/2024) | (103 - 47.6)/(17 - 15) | 27.7 |
| 230 (2/18/2025) | 47.6 (5/21/2024) | (230 - 47.6)/(18 - 15) | 60.8 |
| 103 (12/11/2024) | 20.4 (9/16/2024) | (103 - 20.4)/(17 - 16) | 82.6 |
| 230 (2/18/2025) | 20.4 (9/16/2024) | (230 - 20.4)/(18 - 16) | 104.8 |
| 230 (2/18/2025) | 103 (12/11/2024) | (230 - 103)/(18 - 17) | 127 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -63.8 |
| 2 | -35.8 |
| 3 | -27.2 |
| 4 | -21.9667 |
| 5 | -20.4 |
| 6 | -14.88 |
| 7 | -14.1 |
| 8 | -13.5 |
| 9 | -12 |
| 10 | -11.9167 |
| 11 | -9.7 |
| 12 | -9.55 |
| 13 | -9.1 |
| 14 | -8.75 |
| 15 | -7.82222 |
| 16 | -7.8 |
| 17 | -7.575 |
| 18 | -7.27 |
| 19 | -6.46667 |
| 20 | -5.12857 |
| 21 | -4.9 |
| 22 | -4.8 |
| 23 | -4.7 |
| 24 | -4.63333 |
| 25 | -4.25 |
| 26 | -4.13333 |
| 27 | -4.0375 |
| 28 | -3.93636 |
| 29 | -3.68 |
| 30 | -3.48 |
| 31 | -3.37273 |
| 32 | -3.28 |
| 33 | -3.11667 |
| 34 | -2.93333 |
| 35 | -2.65 |
| 36 | -2.3 |
| 37 | -1.91429 |
| 38 | -1.86667 |
| 39 | -1.6 |
| 40 | -1.54 |
| 41 | -1.38 |
| 42 | -1.375 |
| 43 | -1.28571 |
| 44 | -1.25 |

| | |
|---|---|
| 45 | -1.18571 |
| 46 | -1.05 |
| 47 | -0.988889 |
| 48 | -0.971429 |
| 49 | -0.933333 |
| 50 | -0.933333 |
| 51 | -0.825 |
| 52 | -0.75 |
| 53 | -0.683333 |
| 54 | -0.675 |
| 55 | -0.67 |
| 56 | -0.65 |
| 57 | -0.641667 |
| 58 | -0.55 |
| 59 | -0.5 |
| 60 | -0.390909 |
| 61 | -0.3 |
| 62 | -0.2 |
| 63 | -0.2 |
| 64 | -0.1375 |
| 65 | 0.025 |
| 66 | 0.0307692 |
| 67 | 0.04 |
| 68 | 0.05 |
| 69 | 0.116667 |
| 70 | 0.171429 |
| 71 | 0.246667 |
| 72 | 0.34 |
| 73 | 0.35 |
| 74 | 0.366667 |
| 75 | 0.533333 |
| 76 | 0.74 |
| 77 | 0.766667 |
| 78 | 0.836364 |
| 79 | 0.916667 |
| 80 | 1 |
| 81 | 1.3 |
| 82 | 1.44286 |
| 83 | 1.5 |
| 84 | 1.52857 |
| 85 | 1.75385 |
| 86 | 2 |
| 87 | 2.01667 |
| 88 | 2.05 |
| 89 | 2.08 |
| 90 | 2.20714 |
| 91 | 2.35 |
| 92 | 2.4 |
| 93 | 2.6 |
| 94 | 2.825 |
| 95 | 2.9 |
| 96 | 3.14444 |
| 97 | 3.25 |
| 98 | 3.26667 |
| 99 | 3.41111 |
| 100 | 3.43333 |
| 101 | 3.6 |

| | |
|---|---|
| 102 | 3.64 |
| 103 | 3.72 |
| 104 | 5.18333 |
| 105 | 5.39375 |
| 106 | 5.6 |
| 107 | 5.64 |
| 108 | 5.7 |
| 109 | 6.05 |
| 110 | 6.15 |
| 111 | 6.46154 |
| 112 | 6.54 |
| 113 | 7.42 |
| 114 | 7.65 |
| 115 | 7.82727 |
| 116 | 8.1 |
| 117 | 8.8 |
| 118 | 9.4 |
| 119 | 9.81333 |
| 120 | 9.83333 |
| 121 | 10.5111 |
| 122 | 11.425 |
| 123 | 11.4625 |
| 124 | 11.7333 |
| 125 | 11.9 |
| 126 | 12.5471 |
| 127 | 12.5857 |
| 128 | 13.55 |
| 129 | 15.0714 |
| 130 | 15.5 |
| 131 | 16.8308 |
| 132 | 17.7583 |
| 133 | 18.12 |
| 134 | 18.2909 |
| 135 | 18.75 |
| 136 | 21.1667 |
| 137 | 22.16 |
| 138 | 23.225 |
| 139 | 24.3 |
| 140 | 26.8875 |
| 141 | 27.7 |
| 142 | 29.4 |
| 143 | 30.5 |
| 144 | 31.4286 |
| 145 | 33.05 |
| 146 | 35.6 |
| 147 | 36.2667 |
| 148 | 43.98 |
| 149 | 47.625 |
| 150 | 60.8 |
| 151 | 82.6 |
| 152 | 104.8 |
| 153 | 127 |

Sen's Estimator (Median Q) is 0.766667

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |

| | |
|---|---|
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 697
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.4254
M1 = (153 - 43.4254)/2.0 = 54.7873
M2 = (153 + 43.4254)/2.0 + 1 = 99.2127
Lower limit is -0.67 = Q(55)
Upper limit is 3.41111 = Q(99)
-0.67 < 0 < 3.41111 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 7
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 78.2 (3/18/2021) | 19.4 (12/17/2020) | (78.2 - 19.4)/(2 - 1) | 58.8 |
| 36.4 (5/5/2021) | 19.4 (12/17/2020) | (36.4 - 19.4)/(3 - 1) | 8.5 |
| 77.6 (9/2/2021) | 19.4 (12/17/2020) | (77.6 - 19.4)/(4 - 1) | 19.4 |
| ND<2.5 U (11/23/2021) | 19.4 (12/17/2020) | (2.5 - 19.4)/(5 - 1) | -4.225 |
| 34.7 (1/10/2022) | 19.4 (12/17/2020) | (34.7 - 19.4)/(6 - 1) | 3.06 |
| 37.2 (4/7/2022) | 19.4 (12/17/2020) | (37.2 - 19.4)/(7 - 1) | 2.96667 |
| 31 (8/3/2022) | 19.4 (12/17/2020) | (31 - 19.4)/(8 - 1) | 1.65714 |
| 3.8 (11/16/2022) | 19.4 (12/17/2020) | (3.8 - 19.4)/(9 - 1) | -1.95 |
| 36.2 (2/13/2023) | 19.4 (12/17/2020) | (36.2 - 19.4)/(10 - 1) | 1.86667 |
| 21 (5/24/2023) | 19.4 (12/17/2020) | (21 - 19.4)/(11 - 1) | 0.16 |
| 12.3 (8/7/2023) | 19.4 (12/17/2020) | (12.3 - 19.4)/(12 - 1) | -0.645455 |
| 6.8 (12/12/2023) | 19.4 (12/17/2020) | (6.8 - 19.4)/(13 - 1) | -1.05 |
| 183 (1/10/2024) | 19.4 (12/17/2020) | (183 - 19.4)/(14 - 1) | 12.5846 |
| 13.5 (5/20/2024) | 19.4 (12/17/2020) | (13.5 - 19.4)/(15 - 1) | -0.421429 |
| 14.1 (9/16/2024) | 19.4 (12/17/2020) | (14.1 - 19.4)/(16 - 1) | -0.353333 |
| 8.8 (12/11/2024) | 19.4 (12/17/2020) | (8.8 - 19.4)/(17 - 1) | -0.6625 |
| 38.8 (2/18/2025) | 19.4 (12/17/2020) | (38.8 - 19.4)/(18 - 1) | 1.14118 |
| | | | |
| 36.4 (5/5/2021) | 78.2 (3/18/2021) | (36.4 - 78.2)/(3 - 2) | -41.8 |
| 77.6 (9/2/2021) | 78.2 (3/18/2021) | (77.6 - 78.2)/(4 - 2) | -0.3 |
| ND<2.5 U (11/23/2021) | 78.2 (3/18/2021) | (2.5 - 78.2)/(5 - 2) | -25.2333 |
| 34.7 (1/10/2022) | 78.2 (3/18/2021) | (34.7 - 78.2)/(6 - 2) | -10.875 |
| 37.2 (4/7/2022) | 78.2 (3/18/2021) | (37.2 - 78.2)/(7 - 2) | -8.2 |
| 31 (8/3/2022) | 78.2 (3/18/2021) | (31 - 78.2)/(8 - 2) | -7.86667 |
| 3.8 (11/16/2022) | 78.2 (3/18/2021) | (3.8 - 78.2)/(9 - 2) | -10.6286 |
| 36.2 (2/13/2023) | 78.2 (3/18/2021) | (36.2 - 78.2)/(10 - 2) | -5.25 |
| 21 (5/24/2023) | 78.2 (3/18/2021) | (21 - 78.2)/(11 - 2) | -6.35556 |
| 12.3 (8/7/2023) | 78.2 (3/18/2021) | (12.3 - 78.2)/(12 - 2) | -6.59 |
| 6.8 (12/12/2023) | 78.2 (3/18/2021) | (6.8 - 78.2)/(13 - 2) | -6.49091 |
| 183 (1/10/2024) | 78.2 (3/18/2021) | (183 - 78.2)/(14 - 2) | 8.73333 |
| 13.5 (5/20/2024) | 78.2 (3/18/2021) | (13.5 - 78.2)/(15 - 2) | -4.97692 |
| 14.1 (9/16/2024) | 78.2 (3/18/2021) | (14.1 - 78.2)/(16 - 2) | -4.57857 |
| 8.8 (12/11/2024) | 78.2 (3/18/2021) | (8.8 - 78.2)/(17 - 2) | -4.62667 |
| 38.8 (2/18/2025) | 78.2 (3/18/2021) | (38.8 - 78.2)/(18 - 2) | -2.4625 |
| | | | |
| 77.6 (9/2/2021) | 36.4 (5/5/2021) | (77.6 - 36.4)/(4 - 3) | 41.2 |
| ND<2.5 U (11/23/2021) | 36.4 (5/5/2021) | (2.5 - 36.4)/(5 - 3) | -16.95 |
| 34.7 (1/10/2022) | 36.4 (5/5/2021) | (34.7 - 36.4)/(6 - 3) | -0.566667 |
| 37.2 (4/7/2022) | 36.4 (5/5/2021) | (37.2 - 36.4)/(7 - 3) | 0.2 |
| 31 (8/3/2022) | 36.4 (5/5/2021) | (31 - 36.4)/(8 - 3) | -1.08 |
| 3.8 (11/16/2022) | 36.4 (5/5/2021) | (3.8 - 36.4)/(9 - 3) | -5.43333 |
| 36.2 (2/13/2023) | 36.4 (5/5/2021) | (36.2 - 36.4)/(10 - 3) | -0.0285714 |
| 21 (5/24/2023) | 36.4 (5/5/2021) | (21 - 36.4)/(11 - 3) | -1.925 |
| 12.3 (8/7/2023) | 36.4 (5/5/2021) | (12.3 - 36.4)/(12 - 3) | -2.67778 |
| 6.8 (12/12/2023) | 36.4 (5/5/2021) | (6.8 - 36.4)/(13 - 3) | -2.96 |
| 183 (1/10/2024) | 36.4 (5/5/2021) | (183 - 36.4)/(14 - 3) | 13.3273 |
| 13.5 (5/20/2024) | 36.4 (5/5/2021) | (13.5 - 36.4)/(15 - 3) | -1.90833 |
| 14.1 (9/16/2024) | 36.4 (5/5/2021) | (14.1 - 36.4)/(16 - 3) | -1.71538 |

| | | | |
|---|---|---|---|
| 8.8 (12/11/2024) | 36.4 (5/5/2021) | (8.8 - 36.4)/(17 - 3) | -1.97143 |
| 38.8 (2/18/2025) | 36.4 (5/5/2021) | (38.8 - 36.4)/(18 - 3) | 0.16 |
| | | | |
| ND<2.5 U (11/23/2021) | 77.6 (9/2/2021) | (2.5 - 77.6)/(5 - 4) | -75.1 |
| 34.7 (1/10/2022) | 77.6 (9/2/2021) | (34.7 - 77.6)/(6 - 4) | -21.45 |
| 37.2 (4/7/2022) | 77.6 (9/2/2021) | (37.2 - 77.6)/(7 - 4) | -13.4667 |
| 31 (8/3/2022) | 77.6 (9/2/2021) | (31 - 77.6)/(8 - 4) | -11.65 |
| 3.8 (11/16/2022) | 77.6 (9/2/2021) | (3.8 - 77.6)/(9 - 4) | -14.76 |
| 36.2 (2/13/2023) | 77.6 (9/2/2021) | (36.2 - 77.6)/(10 - 4) | -6.9 |
| 21 (5/24/2023) | 77.6 (9/2/2021) | (21 - 77.6)/(11 - 4) | -8.08571 |
| 12.3 (8/7/2023) | 77.6 (9/2/2021) | (12.3 - 77.6)/(12 - 4) | -8.1625 |
| 6.8 (12/12/2023) | 77.6 (9/2/2021) | (6.8 - 77.6)/(13 - 4) | -7.86667 |
| 183 (1/10/2024) | 77.6 (9/2/2021) | (183 - 77.6)/(14 - 4) | 10.54 |
| 13.5 (5/20/2024) | 77.6 (9/2/2021) | (13.5 - 77.6)/(15 - 4) | -5.82727 |
| 14.1 (9/16/2024) | 77.6 (9/2/2021) | (14.1 - 77.6)/(16 - 4) | -5.29167 |
| 8.8 (12/11/2024) | 77.6 (9/2/2021) | (8.8 - 77.6)/(17 - 4) | -5.29231 |
| 38.8 (2/18/2025) | 77.6 (9/2/2021) | (38.8 - 77.6)/(18 - 4) | -2.77143 |
| | | | |
| 34.7 (1/10/2022) | ND<2.5 U (11/23/2021) | (34.7 - 2.5)/(6 - 5) | 32.2 |
| 37.2 (4/7/2022) | ND<2.5 U (11/23/2021) | (37.2 - 2.5)/(7 - 5) | 17.35 |
| 31 (8/3/2022) | ND<2.5 U (11/23/2021) | (31 - 2.5)/(8 - 5) | 9.5 |
| 3.8 (11/16/2022) | ND<2.5 U (11/23/2021) | (3.8 - 2.5)/(9 - 5) | 0.325 |
| 36.2 (2/13/2023) | ND<2.5 U (11/23/2021) | (36.2 - 2.5)/(10 - 5) | 6.74 |
| 21 (5/24/2023) | ND<2.5 U (11/23/2021) | (21 - 2.5)/(11 - 5) | 3.08333 |
| 12.3 (8/7/2023) | ND<2.5 U (11/23/2021) | (12.3 - 2.5)/(12 - 5) | 1.4 |
| 6.8 (12/12/2023) | ND<2.5 U (11/23/2021) | (6.8 - 2.5)/(13 - 5) | 0.5375 |
| 183 (1/10/2024) | ND<2.5 U (11/23/2021) | (183 - 2.5)/(14 - 5) | 20.0556 |
| 13.5 (5/20/2024) | ND<2.5 U (11/23/2021) | (13.5 - 2.5)/(15 - 5) | 1.1 |
| 14.1 (9/16/2024) | ND<2.5 U (11/23/2021) | (14.1 - 2.5)/(16 - 5) | 1.05455 |
| 8.8 (12/11/2024) | ND<2.5 U (11/23/2021) | (8.8 - 2.5)/(17 - 5) | 0.525 |
| 38.8 (2/18/2025) | ND<2.5 U (11/23/2021) | (38.8 - 2.5)/(18 - 5) | 2.79231 |
| | | | |
| 37.2 (4/7/2022) | 34.7 (1/10/2022) | (37.2 - 34.7)/(7 - 6) | 2.5 |
| 31 (8/3/2022) | 34.7 (1/10/2022) | (31 - 34.7)/(8 - 6) | -1.85 |
| 3.8 (11/16/2022) | 34.7 (1/10/2022) | (3.8 - 34.7)/(9 - 6) | -10.3 |
| 36.2 (2/13/2023) | 34.7 (1/10/2022) | (36.2 - 34.7)/(10 - 6) | 0.375 |
| 21 (5/24/2023) | 34.7 (1/10/2022) | (21 - 34.7)/(11 - 6) | -2.74 |
| 12.3 (8/7/2023) | 34.7 (1/10/2022) | (12.3 - 34.7)/(12 - 6) | -3.73333 |
| 6.8 (12/12/2023) | 34.7 (1/10/2022) | (6.8 - 34.7)/(13 - 6) | -3.98571 |
| 183 (1/10/2024) | 34.7 (1/10/2022) | (183 - 34.7)/(14 - 6) | 18.5375 |
| 13.5 (5/20/2024) | 34.7 (1/10/2022) | (13.5 - 34.7)/(15 - 6) | -2.35556 |
| 14.1 (9/16/2024) | 34.7 (1/10/2022) | (14.1 - 34.7)/(16 - 6) | -2.06 |
| 8.8 (12/11/2024) | 34.7 (1/10/2022) | (8.8 - 34.7)/(17 - 6) | -2.35455 |
| 38.8 (2/18/2025) | 34.7 (1/10/2022) | (38.8 - 34.7)/(18 - 6) | 0.341667 |
| | | | |
| 31 (8/3/2022) | 37.2 (4/7/2022) | (31 - 37.2)/(8 - 7) | -6.2 |
| 3.8 (11/16/2022) | 37.2 (4/7/2022) | (3.8 - 37.2)/(9 - 7) | -16.7 |
| 36.2 (2/13/2023) | 37.2 (4/7/2022) | (36.2 - 37.2)/(10 - 7) | -0.333333 |
| 21 (5/24/2023) | 37.2 (4/7/2022) | (21 - 37.2)/(11 - 7) | -4.05 |
| 12.3 (8/7/2023) | 37.2 (4/7/2022) | (12.3 - 37.2)/(12 - 7) | -4.98 |
| 6.8 (12/12/2023) | 37.2 (4/7/2022) | (6.8 - 37.2)/(13 - 7) | -5.06667 |
| 183 (1/10/2024) | 37.2 (4/7/2022) | (183 - 37.2)/(14 - 7) | 20.8286 |
| 13.5 (5/20/2024) | 37.2 (4/7/2022) | (13.5 - 37.2)/(15 - 7) | -2.9625 |
| 14.1 (9/16/2024) | 37.2 (4/7/2022) | (14.1 - 37.2)/(16 - 7) | -2.56667 |
| 8.8 (12/11/2024) | 37.2 (4/7/2022) | (8.8 - 37.2)/(17 - 7) | -2.84 |
| 38.8 (2/18/2025) | 37.2 (4/7/2022) | (38.8 - 37.2)/(18 - 7) | 0.145455 |

| | | | |
|---|---|---|---|
| 3.8 (11/16/2022) | 31 (8/3/2022) | (3.8 - 31)/(9 - 8) | -27.2 |
| 36.2 (2/13/2023) | 31 (8/3/2022) | (36.2 - 31)/(10 - 8) | 2.6 |
| 21 (5/24/2023) | 31 (8/3/2022) | (21 - 31)/(11 - 8) | -3.33333 |
| 12.3 (8/7/2023) | 31 (8/3/2022) | (12.3 - 31)/(12 - 8) | -4.675 |
| 6.8 (12/12/2023) | 31 (8/3/2022) | (6.8 - 31)/(13 - 8) | -4.84 |
| 183 (1/10/2024) | 31 (8/3/2022) | (183 - 31)/(14 - 8) | 25.3333 |
| 13.5 (5/20/2024) | 31 (8/3/2022) | (13.5 - 31)/(15 - 8) | -2.5 |
| 14.1 (9/16/2024) | 31 (8/3/2022) | (14.1 - 31)/(16 - 8) | -2.1125 |
| 8.8 (12/11/2024) | 31 (8/3/2022) | (8.8 - 31)/(17 - 8) | -2.46667 |
| 38.8 (2/18/2025) | 31 (8/3/2022) | (38.8 - 31)/(18 - 8) | 0.78 |
| | | | |
| 36.2 (2/13/2023) | 3.8 (11/16/2022) | (36.2 - 3.8)/(10 - 9) | 32.4 |
| 21 (5/24/2023) | 3.8 (11/16/2022) | (21 - 3.8)/(11 - 9) | 8.6 |
| 12.3 (8/7/2023) | 3.8 (11/16/2022) | (12.3 - 3.8)/(12 - 9) | 2.83333 |
| 6.8 (12/12/2023) | 3.8 (11/16/2022) | (6.8 - 3.8)/(13 - 9) | 0.75 |
| 183 (1/10/2024) | 3.8 (11/16/2022) | (183 - 3.8)/(14 - 9) | 35.84 |
| 13.5 (5/20/2024) | 3.8 (11/16/2022) | (13.5 - 3.8)/(15 - 9) | 1.61667 |
| 14.1 (9/16/2024) | 3.8 (11/16/2022) | (14.1 - 3.8)/(16 - 9) | 1.47143 |
| 8.8 (12/11/2024) | 3.8 (11/16/2022) | (8.8 - 3.8)/(17 - 9) | 0.625 |
| 38.8 (2/18/2025) | 3.8 (11/16/2022) | (38.8 - 3.8)/(18 - 9) | 3.88889 |
| | | | |
| 21 (5/24/2023) | 36.2 (2/13/2023) | (21 - 36.2)/(11 - 10) | -15.2 |
| 12.3 (8/7/2023) | 36.2 (2/13/2023) | (12.3 - 36.2)/(12 - 10) | -11.95 |
| 6.8 (12/12/2023) | 36.2 (2/13/2023) | (6.8 - 36.2)/(13 - 10) | -9.8 |
| 183 (1/10/2024) | 36.2 (2/13/2023) | (183 - 36.2)/(14 - 10) | 36.7 |
| 13.5 (5/20/2024) | 36.2 (2/13/2023) | (13.5 - 36.2)/(15 - 10) | -4.54 |
| 14.1 (9/16/2024) | 36.2 (2/13/2023) | (14.1 - 36.2)/(16 - 10) | -3.68333 |
| 8.8 (12/11/2024) | 36.2 (2/13/2023) | (8.8 - 36.2)/(17 - 10) | -3.91429 |
| 38.8 (2/18/2025) | 36.2 (2/13/2023) | (38.8 - 36.2)/(18 - 10) | 0.325 |
| | | | |
| 12.3 (8/7/2023) | 21 (5/24/2023) | (12.3 - 21)/(12 - 11) | -8.7 |
| 6.8 (12/12/2023) | 21 (5/24/2023) | (6.8 - 21)/(13 - 11) | -7.1 |
| 183 (1/10/2024) | 21 (5/24/2023) | (183 - 21)/(14 - 11) | 54 |
| 13.5 (5/20/2024) | 21 (5/24/2023) | (13.5 - 21)/(15 - 11) | -1.875 |
| 14.1 (9/16/2024) | 21 (5/24/2023) | (14.1 - 21)/(16 - 11) | -1.38 |
| 8.8 (12/11/2024) | 21 (5/24/2023) | (8.8 - 21)/(17 - 11) | -2.03333 |
| 38.8 (2/18/2025) | 21 (5/24/2023) | (38.8 - 21)/(18 - 11) | 2.54286 |
| | | | |
| 6.8 (12/12/2023) | 12.3 (8/7/2023) | (6.8 - 12.3)/(13 - 12) | -5.5 |
| 183 (1/10/2024) | 12.3 (8/7/2023) | (183 - 12.3)/(14 - 12) | 85.35 |
| 13.5 (5/20/2024) | 12.3 (8/7/2023) | (13.5 - 12.3)/(15 - 12) | 0.4 |
| 14.1 (9/16/2024) | 12.3 (8/7/2023) | (14.1 - 12.3)/(16 - 12) | 0.45 |
| 8.8 (12/11/2024) | 12.3 (8/7/2023) | (8.8 - 12.3)/(17 - 12) | -0.7 |
| 38.8 (2/18/2025) | 12.3 (8/7/2023) | (38.8 - 12.3)/(18 - 12) | 4.41667 |
| | | | |
| 183 (1/10/2024) | 6.8 (12/12/2023) | (183 - 6.8)/(14 - 13) | 176.2 |
| 13.5 (5/20/2024) | 6.8 (12/12/2023) | (13.5 - 6.8)/(15 - 13) | 3.35 |
| 14.1 (9/16/2024) | 6.8 (12/12/2023) | (14.1 - 6.8)/(16 - 13) | 2.43333 |
| 8.8 (12/11/2024) | 6.8 (12/12/2023) | (8.8 - 6.8)/(17 - 13) | 0.5 |
| 38.8 (2/18/2025) | 6.8 (12/12/2023) | (38.8 - 6.8)/(18 - 13) | 6.4 |
| | | | |
| 13.5 (5/20/2024) | 183 (1/10/2024) | (13.5 - 183)/(15 - 14) | -169.5 |
| 14.1 (9/16/2024) | 183 (1/10/2024) | (14.1 - 183)/(16 - 14) | -84.45 |
| 8.8 (12/11/2024) | 183 (1/10/2024) | (8.8 - 183)/(17 - 14) | -58.0667 |
| 38.8 (2/18/2025) | 183 (1/10/2024) | (38.8 - 183)/(18 - 14) | -36.05 |
| | | | |
| 14.1 (9/16/2024) | 13.5 (5/20/2024) | (14.1 - 13.5)/(16 - 15) | 0.6 |

| | | | |
|---|---|---|---|
| 8.8 (12/11/2024) | 13.5 (5/20/2024) | (8.8 - 13.5)/(17 - 15) | -2.35 |
| 38.8 (2/18/2025) | 13.5 (5/20/2024) | (38.8 - 13.5)/(18 - 15) | 8.43333 |
| | | | |
| 8.8 (12/11/2024) | 14.1 (9/16/2024) | (8.8 - 14.1)/(17 - 16) | -5.3 |
| 38.8 (2/18/2025) | 14.1 (9/16/2024) | (38.8 - 14.1)/(18 - 16) | 12.35 |
| | | | |
| 38.8 (2/18/2025) | 8.8 (12/11/2024) | (38.8 - 8.8)/(18 - 17) | 30 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -169.5 |
| 2 | -84.45 |
| 3 | -75.1 |
| 4 | -58.0667 |
| 5 | -41.8 |
| 6 | -36.05 |
| 7 | -27.2 |
| 8 | -25.2333 |
| 9 | -21.45 |
| 10 | -16.95 |
| 11 | -16.7 |
| 12 | -15.2 |
| 13 | -14.76 |
| 14 | -13.4667 |
| 15 | -11.95 |
| 16 | -11.65 |
| 17 | -10.875 |
| 18 | -10.6286 |
| 19 | -10.3 |
| 20 | -9.8 |
| 21 | -8.7 |
| 22 | -8.2 |
| 23 | -8.1625 |
| 24 | -8.08571 |
| 25 | -7.86667 |
| 26 | -7.86667 |
| 27 | -7.1 |
| 28 | -6.9 |
| 29 | -6.59 |
| 30 | -6.49091 |
| 31 | -6.35556 |
| 32 | -6.2 |
| 33 | -5.82727 |
| 34 | -5.5 |
| 35 | -5.43333 |
| 36 | -5.3 |
| 37 | -5.29231 |
| 38 | -5.29167 |
| 39 | -5.25 |
| 40 | -5.06667 |
| 41 | -4.98 |
| 42 | -4.97692 |
| 43 | -4.84 |
| 44 | -4.675 |

| | |
|---|---|
| 45 | -4.62667 |
| 46 | -4.57857 |
| 47 | -4.54 |
| 48 | -4.225 |
| 49 | -4.05 |
| 50 | -3.98571 |
| 51 | -3.91429 |
| 52 | -3.73333 |
| 53 | -3.68333 |
| 54 | -3.33333 |
| 55 | -2.9625 |
| 56 | -2.96 |
| 57 | -2.84 |
| 58 | -2.77143 |
| 59 | -2.74 |
| 60 | -2.67778 |
| 61 | -2.56667 |
| 62 | -2.5 |
| 63 | -2.46667 |
| 64 | -2.4625 |
| 65 | -2.35556 |
| 66 | -2.35455 |
| 67 | -2.35 |
| 68 | -2.1125 |
| 69 | -2.06 |
| 70 | -2.03333 |
| 71 | -1.97143 |
| 72 | -1.95 |
| 73 | -1.925 |
| 74 | -1.90833 |
| 75 | -1.875 |
| 76 | -1.85 |
| 77 | -1.71538 |
| 78 | -1.38 |
| 79 | -1.08 |
| 80 | -1.05 |
| 81 | -0.7 |
| 82 | -0.6625 |
| 83 | -0.645455 |
| 84 | -0.566667 |
| 85 | -0.421429 |
| 86 | -0.353333 |
| 87 | -0.333333 |
| 88 | -0.3 |
| 89 | -0.0285714 |
| 90 | 0.145455 |
| 91 | 0.16 |
| 92 | 0.16 |
| 93 | 0.2 |
| 94 | 0.325 |
| 95 | 0.325 |
| 96 | 0.341667 |
| 97 | 0.375 |
| 98 | 0.4 |
| 99 | 0.45 |
| 100 | 0.5 |
| 101 | 0.525 |

| | |
|---|---|
| 102 | 0.5375 |
| 103 | 0.6 |
| 104 | 0.625 |
| 105 | 0.75 |
| 106 | 0.78 |
| 107 | 1.05455 |
| 108 | 1.1 |
| 109 | 1.14118 |
| 110 | 1.4 |
| 111 | 1.47143 |
| 112 | 1.61667 |
| 113 | 1.65714 |
| 114 | 1.86667 |
| 115 | 2.43333 |
| 116 | 2.5 |
| 117 | 2.54286 |
| 118 | 2.6 |
| 119 | 2.79231 |
| 120 | 2.83333 |
| 121 | 2.96667 |
| 122 | 3.06 |
| 123 | 3.08333 |
| 124 | 3.35 |
| 125 | 3.88889 |
| 126 | 4.41667 |
| 127 | 6.4 |
| 128 | 6.74 |
| 129 | 8.43333 |
| 130 | 8.5 |
| 131 | 8.6 |
| 132 | 8.73333 |
| 133 | 9.5 |
| 134 | 10.54 |
| 135 | 12.35 |
| 136 | 12.5846 |
| 137 | 13.3273 |
| 138 | 17.35 |
| 139 | 18.5375 |
| 140 | 19.4 |
| 141 | 20.0556 |
| 142 | 20.8286 |
| 143 | 25.3333 |
| 144 | 30 |
| 145 | 32.2 |
| 146 | 32.4 |
| 147 | 35.84 |
| 148 | 36.7 |
| 149 | 41.2 |
| 150 | 54 |
| 151 | 58.8 |
| 152 | 85.35 |
| 153 | 176.2 |

Sen's Estimator (Median Q) is -1.71538

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |

| | |
|---|---|
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 697
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.4254
M1 = (153 - 43.4254)/2.0 = 54.7873
M2 = (153 + 43.4254)/2.0 + 1 = 99.2127
Lower limit is -2.9625 = Q(55)
Upper limit is 0.45 = Q(99)
-2.9625 < 0 < 0.45 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 10
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 4.1 (8/3/2022) | 2.8 (4/7/2022) | (4.1 - 2.8)/(2 - 1) | 1.3 |
| 4.6 (11/16/2022) | 2.8 (4/7/2022) | (4.6 - 2.8)/(3 - 1) | 0.9 |
| 4 (2/13/2023) | 2.8 (4/7/2022) | (4 - 2.8)/(4 - 1) | 0.4 |
| 15 (5/24/2023) | 2.8 (4/7/2022) | (15 - 2.8)/(5 - 1) | 3.05 |
| 4.4 (8/7/2023) | 2.8 (4/7/2022) | (4.4 - 2.8)/(6 - 1) | 0.32 |
| 10.6 (12/12/2023) | 2.8 (4/7/2022) | (10.6 - 2.8)/(7 - 1) | 1.3 |
| 7.3 (1/10/2024) | 2.8 (4/7/2022) | (7.3 - 2.8)/(8 - 1) | 0.642857 |
| 10 (5/20/2024) | 2.8 (4/7/2022) | (10 - 2.8)/(9 - 1) | 0.9 |
| ND<10 U (9/16/2024) | 2.8 (4/7/2022) | (10 - 2.8)/(10 - 1) | 0.8 |
| 7.4 (12/11/2024) | 2.8 (4/7/2022) | (7.4 - 2.8)/(11 - 1) | 0.46 |
| 4.6 (2/18/2025) | 2.8 (4/7/2022) | (4.6 - 2.8)/(12 - 1) | 0.163636 |
| | | | |
| 4.6 (11/16/2022) | 4.1 (8/3/2022) | (4.6 - 4.1)/(3 - 2) | 0.5 |
| 4 (2/13/2023) | 4.1 (8/3/2022) | (4 - 4.1)/(4 - 2) | -0.05 |
| 15 (5/24/2023) | 4.1 (8/3/2022) | (15 - 4.1)/(5 - 2) | 3.63333 |
| 4.4 (8/7/2023) | 4.1 (8/3/2022) | (4.4 - 4.1)/(6 - 2) | 0.075 |
| 10.6 (12/12/2023) | 4.1 (8/3/2022) | (10.6 - 4.1)/(7 - 2) | 1.3 |
| 7.3 (1/10/2024) | 4.1 (8/3/2022) | (7.3 - 4.1)/(8 - 2) | 0.533333 |
| 10 (5/20/2024) | 4.1 (8/3/2022) | (10 - 4.1)/(9 - 2) | 0.842857 |
| ND<10 U (9/16/2024) | 4.1 (8/3/2022) | (10 - 4.1)/(10 - 2) | 0.7375 |
| 7.4 (12/11/2024) | 4.1 (8/3/2022) | (7.4 - 4.1)/(11 - 2) | 0.366667 |
| 4.6 (2/18/2025) | 4.1 (8/3/2022) | (4.6 - 4.1)/(12 - 2) | 0.05 |
| | | | |
| 4 (2/13/2023) | 4.6 (11/16/2022) | (4 - 4.6)/(4 - 3) | -0.6 |
| 15 (5/24/2023) | 4.6 (11/16/2022) | (15 - 4.6)/(5 - 3) | 5.2 |
| 4.4 (8/7/2023) | 4.6 (11/16/2022) | (4.4 - 4.6)/(6 - 3) | -0.0666667 |
| 10.6 (12/12/2023) | 4.6 (11/16/2022) | (10.6 - 4.6)/(7 - 3) | 1.5 |
| 7.3 (1/10/2024) | 4.6 (11/16/2022) | (7.3 - 4.6)/(8 - 3) | 0.54 |
| 10 (5/20/2024) | 4.6 (11/16/2022) | (10 - 4.6)/(9 - 3) | 0.9 |
| ND<10 U (9/16/2024) | 4.6 (11/16/2022) | (10 - 4.6)/(10 - 3) | 0.771429 |
| 7.4 (12/11/2024) | 4.6 (11/16/2022) | (7.4 - 4.6)/(11 - 3) | 0.35 |
| 4.6 (2/18/2025) | 4.6 (11/16/2022) | (4.6 - 4.6)/(12 - 3) | 0 |
| | | | |
| 15 (5/24/2023) | 4 (2/13/2023) | (15 - 4)/(5 - 4) | 11 |
| 4.4 (8/7/2023) | 4 (2/13/2023) | (4.4 - 4)/(6 - 4) | 0.2 |
| 10.6 (12/12/2023) | 4 (2/13/2023) | (10.6 - 4)/(7 - 4) | 2.2 |
| 7.3 (1/10/2024) | 4 (2/13/2023) | (7.3 - 4)/(8 - 4) | 0.825 |
| 10 (5/20/2024) | 4 (2/13/2023) | (10 - 4)/(9 - 4) | 1.2 |
| ND<10 U (9/16/2024) | 4 (2/13/2023) | (10 - 4)/(10 - 4) | 1 |
| 7.4 (12/11/2024) | 4 (2/13/2023) | (7.4 - 4)/(11 - 4) | 0.485714 |
| 4.6 (2/18/2025) | 4 (2/13/2023) | (4.6 - 4)/(12 - 4) | 0.075 |
| | | | |
| 4.4 (8/7/2023) | 15 (5/24/2023) | (4.4 - 15)/(6 - 5) | -10.6 |
| 10.6 (12/12/2023) | 15 (5/24/2023) | (10.6 - 15)/(7 - 5) | -2.2 |
| 7.3 (1/10/2024) | 15 (5/24/2023) | (7.3 - 15)/(8 - 5) | -2.56667 |
| 10 (5/20/2024) | 15 (5/24/2023) | (10 - 15)/(9 - 5) | -1.25 |
| ND<10 U (9/16/2024) | 15 (5/24/2023) | (10 - 15)/(10 - 5) | -1 |
| 7.4 (12/11/2024) | 15 (5/24/2023) | (7.4 - 15)/(11 - 5) | -1.26667 |

| | | | |
|---|---|---|---|
| 4.6 (2/18/2025) | 15 (5/24/2023) | (4.6 - 15)/(12 - 5) | -1.48571 |
| | | | |
| 10.6 (12/12/2023) | 4.4 (8/7/2023) | (10.6 - 4.4)/(7 - 6) | 6.2 |
| 7.3 (1/10/2024) | 4.4 (8/7/2023) | (7.3 - 4.4)/(8 - 6) | 1.45 |
| 10 (5/20/2024) | 4.4 (8/7/2023) | (10 - 4.4)/(9 - 6) | 1.86667 |
| ND<10 U (9/16/2024) | 4.4 (8/7/2023) | (10 - 4.4)/(10 - 6) | 1.4 |
| 7.4 (12/11/2024) | 4.4 (8/7/2023) | (7.4 - 4.4)/(11 - 6) | 0.6 |
| 4.6 (2/18/2025) | 4.4 (8/7/2023) | (4.6 - 4.4)/(12 - 6) | 0.0333333 |
| | | | |
| 7.3 (1/10/2024) | 10.6 (12/12/2023) | (7.3 - 10.6)/(8 - 7) | -3.3 |
| 10 (5/20/2024) | 10.6 (12/12/2023) | (10 - 10.6)/(9 - 7) | -0.3 |
| ND<10 U (9/16/2024) | 10.6 (12/12/2023) | (10 - 10.6)/(10 - 7) | -0.2 |
| 7.4 (12/11/2024) | 10.6 (12/12/2023) | (7.4 - 10.6)/(11 - 7) | -0.8 |
| 4.6 (2/18/2025) | 10.6 (12/12/2023) | (4.6 - 10.6)/(12 - 7) | -1.2 |
| | | | |
| 10 (5/20/2024) | 7.3 (1/10/2024) | (10 - 7.3)/(9 - 8) | 2.7 |
| ND<10 U (9/16/2024) | 7.3 (1/10/2024) | (10 - 7.3)/(10 - 8) | 1.35 |
| 7.4 (12/11/2024) | 7.3 (1/10/2024) | (7.4 - 7.3)/(11 - 8) | 0.0333333 |
| 4.6 (2/18/2025) | 7.3 (1/10/2024) | (4.6 - 7.3)/(12 - 8) | -0.675 |
| | | | |
| ND<10 U (9/16/2024) | 10 (5/20/2024) | (10 - 10)/(10 - 9) | 0 |
| 7.4 (12/11/2024) | 10 (5/20/2024) | (7.4 - 10)/(11 - 9) | -1.3 |
| 4.6 (2/18/2025) | 10 (5/20/2024) | (4.6 - 10)/(12 - 9) | -1.8 |
| | | | |
| 7.4 (12/11/2024) | ND<10 U (9/16/2024) | (7.4 - 10)/(11 - 10) | -2.6 |
| 4.6 (2/18/2025) | ND<10 U (9/16/2024) | (4.6 - 10)/(12 - 10) | -2.7 |
| | | | |
| 4.6 (2/18/2025) | 7.4 (12/11/2024) | (4.6 - 7.4)/(12 - 11) | -2.8 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -10.6 |
| 2 | -3.3 |
| 3 | -2.8 |
| 4 | -2.7 |
| 5 | -2.6 |
| 6 | -2.56667 |
| 7 | -2.2 |
| 8 | -1.8 |
| 9 | -1.48571 |
| 10 | -1.3 |
| 11 | -1.26667 |
| 12 | -1.25 |
| 13 | -1.2 |
| 14 | -1 |
| 15 | -0.8 |
| 16 | -0.675 |
| 17 | -0.6 |
| 18 | -0.3 |
| 19 | -0.2 |
| 20 | -0.0666667 |
| 21 | -0.05 |
| 22 | 0 |
| 23 | 0 |

| | |
|---|---|
| 24 | 0.0333333 |
| 25 | 0.0333333 |
| 26 | 0.05 |
| 27 | 0.075 |
| 28 | 0.075 |
| 29 | 0.163636 |
| 30 | 0.2 |
| 31 | 0.32 |
| 32 | 0.35 |
| 33 | 0.366667 |
| 34 | 0.4 |
| 35 | 0.46 |
| 36 | 0.485714 |
| 37 | 0.5 |
| 38 | 0.533333 |
| 39 | 0.54 |
| 40 | 0.6 |
| 41 | 0.642857 |
| 42 | 0.7375 |
| 43 | 0.771429 |
| 44 | 0.8 |
| 45 | 0.825 |
| 46 | 0.842857 |
| 47 | 0.9 |
| 48 | 0.9 |
| 49 | 0.9 |
| 50 | 1 |
| 51 | 1.2 |
| 52 | 1.3 |
| 53 | 1.3 |
| 54 | 1.3 |
| 55 | 1.35 |
| 56 | 1.4 |
| 57 | 1.45 |
| 58 | 1.5 |
| 59 | 1.86667 |
| 60 | 2.2 |
| 61 | 2.7 |
| 62 | 3.05 |
| 63 | 3.63333 |
| 64 | 5.2 |
| 65 | 6.2 |
| 66 | 11 |

Sen's Estimator (Median Q) is 0.383333

| Tied Group | Value | Members |
|---|---|---|
| 1 | 4.6 | 2 |
| 2 | 10 | 2 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |

| | |
|---|---|
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 36
B = 0
C = 0
D = 0
E = 4
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 210.667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.874
M1 = (66 - 23.874)/2.0 = 21.063
M2 = (66 + 23.874)/2.0 + 1 = 45.937
Lower limit is -0.05 = Q(21)
Upper limit is 0.842857 = Q(46)
-0.05 < 0 < 0.842857 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Suspended Solids
### Location: SME 9
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<2.5 U (8/3/2022) | 2.9 (4/7/2022) | (2.5 - 2.9)/(2 - 1) | -0.4 |
| ND<2.5 U (11/16/2022) | 2.9 (4/7/2022) | (2.5 - 2.9)/(3 - 1) | -0.2 |
| 2.6 (2/13/2023) | 2.9 (4/7/2022) | (2.6 - 2.9)/(4 - 1) | -0.1 |
| 59 (5/24/2023) | 2.9 (4/7/2022) | (59 - 2.9)/(5 - 1) | 14.025 |
| 5.6 (8/7/2023) | 2.9 (4/7/2022) | (5.6 - 2.9)/(6 - 1) | 0.54 |
| ND<2.5 U (12/12/2023) | 2.9 (4/7/2022) | (2.5 - 2.9)/(7 - 1) | -0.0666667 |
| 4.7 (1/10/2024) | 2.9 (4/7/2022) | (4.7 - 2.9)/(8 - 1) | 0.257143 |
| 2.8 (5/20/2024) | 2.9 (4/7/2022) | (2.8 - 2.9)/(9 - 1) | -0.0125 |
| ND<5 U (9/16/2024) | 2.9 (4/7/2022) | (5 - 2.9)/(10 - 1) | 0.233333 |
| 6.49 (12/11/2024) | 2.9 (4/7/2022) | (6.49 - 2.9)/(11 - 1) | 0.359 |
| 28.5 (2/18/2025) | 2.9 (4/7/2022) | (28.5 - 2.9)/(12 - 1) | 2.32727 |
| | | | |
| ND<2.5 U (11/16/2022) | ND<2.5 U (8/3/2022) | (2.5 - 2.5)/(3 - 2) | 0 |
| 2.6 (2/13/2023) | ND<2.5 U (8/3/2022) | (2.6 - 2.5)/(4 - 2) | 0.05 |
| 59 (5/24/2023) | ND<2.5 U (8/3/2022) | (59 - 2.5)/(5 - 2) | 18.8333 |
| 5.6 (8/7/2023) | ND<2.5 U (8/3/2022) | (5.6 - 2.5)/(6 - 2) | 0.775 |
| ND<2.5 U (12/12/2023) | ND<2.5 U (8/3/2022) | (2.5 - 2.5)/(7 - 2) | 0 |
| 4.7 (1/10/2024) | ND<2.5 U (8/3/2022) | (4.7 - 2.5)/(8 - 2) | 0.366667 |
| 2.8 (5/20/2024) | ND<2.5 U (8/3/2022) | (2.8 - 2.5)/(9 - 2) | 0.0428571 |
| ND<5 U (9/16/2024) | ND<2.5 U (8/3/2022) | (5 - 2.5)/(10 - 2) | 0.3125 |
| 6.49 (12/11/2024) | ND<2.5 U (8/3/2022) | (6.49 - 2.5)/(11 - 2) | 0.443333 |
| 28.5 (2/18/2025) | ND<2.5 U (8/3/2022) | (28.5 - 2.5)/(12 - 2) | 2.6 |
| | | | |
| 2.6 (2/13/2023) | ND<2.5 U (11/16/2022) | (2.6 - 2.5)/(4 - 3) | 0.1 |
| 59 (5/24/2023) | ND<2.5 U (11/16/2022) | (59 - 2.5)/(5 - 3) | 28.25 |
| 5.6 (8/7/2023) | ND<2.5 U (11/16/2022) | (5.6 - 2.5)/(6 - 3) | 1.03333 |
| ND<2.5 U (12/12/2023) | ND<2.5 U (11/16/2022) | (2.5 - 2.5)/(7 - 3) | 0 |
| 4.7 (1/10/2024) | ND<2.5 U (11/16/2022) | (4.7 - 2.5)/(8 - 3) | 0.44 |
| 2.8 (5/20/2024) | ND<2.5 U (11/16/2022) | (2.8 - 2.5)/(9 - 3) | 0.05 |
| ND<5 U (9/16/2024) | ND<2.5 U (11/16/2022) | (5 - 2.5)/(10 - 3) | 0.357143 |
| 6.49 (12/11/2024) | ND<2.5 U (11/16/2022) | (6.49 - 2.5)/(11 - 3) | 0.49875 |
| 28.5 (2/18/2025) | ND<2.5 U (11/16/2022) | (28.5 - 2.5)/(12 - 3) | 2.88889 |
| | | | |
| 59 (5/24/2023) | 2.6 (2/13/2023) | (59 - 2.6)/(5 - 4) | 56.4 |
| 5.6 (8/7/2023) | 2.6 (2/13/2023) | (5.6 - 2.6)/(6 - 4) | 1.5 |
| ND<2.5 U (12/12/2023) | 2.6 (2/13/2023) | (2.5 - 2.6)/(7 - 4) | -0.0333333 |
| 4.7 (1/10/2024) | 2.6 (2/13/2023) | (4.7 - 2.6)/(8 - 4) | 0.525 |
| 2.8 (5/20/2024) | 2.6 (2/13/2023) | (2.8 - 2.6)/(9 - 4) | 0.04 |
| ND<5 U (9/16/2024) | 2.6 (2/13/2023) | (5 - 2.6)/(10 - 4) | 0.4 |
| 6.49 (12/11/2024) | 2.6 (2/13/2023) | (6.49 - 2.6)/(11 - 4) | 0.555714 |
| 28.5 (2/18/2025) | 2.6 (2/13/2023) | (28.5 - 2.6)/(12 - 4) | 3.2375 |
| | | | |
| 5.6 (8/7/2023) | 59 (5/24/2023) | (5.6 - 59)/(6 - 5) | -53.4 |
| ND<2.5 U (12/12/2023) | 59 (5/24/2023) | (2.5 - 59)/(7 - 5) | -28.25 |
| 4.7 (1/10/2024) | 59 (5/24/2023) | (4.7 - 59)/(8 - 5) | -18.1 |
| 2.8 (5/20/2024) | 59 (5/24/2023) | (2.8 - 59)/(9 - 5) | -14.05 |
| ND<5 U (9/16/2024) | 59 (5/24/2023) | (5 - 59)/(10 - 5) | -10.8 |
| 6.49 (12/11/2024) | 59 (5/24/2023) | (6.49 - 59)/(11 - 5) | -8.75167 |

| | | | |
|---|---|---|---|
| 28.5 (2/18/2025) | 59 (5/24/2023) | (28.5 - 59)/(12 - 5) | -4.35714 |
| | | | |
| ND<2.5 U (12/12/2023) | 5.6 (8/7/2023) | (2.5 - 5.6)/(7 - 6) | -3.1 |
| 4.7 (1/10/2024) | 5.6 (8/7/2023) | (4.7 - 5.6)/(8 - 6) | -0.45 |
| 2.8 (5/20/2024) | 5.6 (8/7/2023) | (2.8 - 5.6)/(9 - 6) | -0.933333 |
| ND<5 U (9/16/2024) | 5.6 (8/7/2023) | (5 - 5.6)/(10 - 6) | -0.15 |
| 6.49 (12/11/2024) | 5.6 (8/7/2023) | (6.49 - 5.6)/(11 - 6) | 0.178 |
| 28.5 (2/18/2025) | 5.6 (8/7/2023) | (28.5 - 5.6)/(12 - 6) | 3.81667 |
| | | | |
| 4.7 (1/10/2024) | ND<2.5 U (12/12/2023) | (4.7 - 2.5)/(8 - 7) | 2.2 |
| 2.8 (5/20/2024) | ND<2.5 U (12/12/2023) | (2.8 - 2.5)/(9 - 7) | 0.15 |
| ND<5 U (9/16/2024) | ND<2.5 U (12/12/2023) | (5 - 2.5)/(10 - 7) | 0.833333 |
| 6.49 (12/11/2024) | ND<2.5 U (12/12/2023) | (6.49 - 2.5)/(11 - 7) | 0.9975 |
| 28.5 (2/18/2025) | ND<2.5 U (12/12/2023) | (28.5 - 2.5)/(12 - 7) | 5.2 |
| | | | |
| 2.8 (5/20/2024) | 4.7 (1/10/2024) | (2.8 - 4.7)/(9 - 8) | -1.9 |
| ND<5 U (9/16/2024) | 4.7 (1/10/2024) | (5 - 4.7)/(10 - 8) | 0.15 |
| 6.49 (12/11/2024) | 4.7 (1/10/2024) | (6.49 - 4.7)/(11 - 8) | 0.596667 |
| 28.5 (2/18/2025) | 4.7 (1/10/2024) | (28.5 - 4.7)/(12 - 8) | 5.95 |
| | | | |
| ND<5 U (9/16/2024) | 2.8 (5/20/2024) | (5 - 2.8)/(10 - 9) | 2.2 |
| 6.49 (12/11/2024) | 2.8 (5/20/2024) | (6.49 - 2.8)/(11 - 9) | 1.845 |
| 28.5 (2/18/2025) | 2.8 (5/20/2024) | (28.5 - 2.8)/(12 - 9) | 8.56667 |
| | | | |
| 6.49 (12/11/2024) | ND<5 U (9/16/2024) | (6.49 - 5)/(11 - 10) | 1.49 |
| 28.5 (2/18/2025) | ND<5 U (9/16/2024) | (28.5 - 5)/(12 - 10) | 11.75 |
| | | | |
| 28.5 (2/18/2025) | 6.49 (12/11/2024) | (28.5 - 6.49)/(12 - 11) | 22.01 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -53.4 |
| 2 | -28.25 |
| 3 | -18.1 |
| 4 | -14.05 |
| 5 | -10.8 |
| 6 | -8.75167 |
| 7 | -4.35714 |
| 8 | -3.1 |
| 9 | -1.9 |
| 10 | -0.933333 |
| 11 | -0.45 |
| 12 | -0.4 |
| 13 | -0.2 |
| 14 | -0.15 |
| 15 | -0.1 |
| 16 | -0.0666667 |
| 17 | -0.0333333 |
| 18 | -0.0125 |
| 19 | 0 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0.04 |
| 23 | 0.0428571 |

| | |
|---|---|
| 24 | 0.05 |
| 25 | 0.05 |
| 26 | 0.1 |
| 27 | 0.15 |
| 28 | 0.15 |
| 29 | 0.178 |
| 30 | 0.233333 |
| 31 | 0.257143 |
| 32 | 0.3125 |
| 33 | 0.357143 |
| 34 | 0.359 |
| 35 | 0.366667 |
| 36 | 0.4 |
| 37 | 0.44 |
| 38 | 0.443333 |
| 39 | 0.49875 |
| 40 | 0.525 |
| 41 | 0.54 |
| 42 | 0.555714 |
| 43 | 0.596667 |
| 44 | 0.775 |
| 45 | 0.833333 |
| 46 | 0.9975 |
| 47 | 1.03333 |
| 48 | 1.49 |
| 49 | 1.5 |
| 50 | 1.845 |
| 51 | 2.2 |
| 52 | 2.2 |
| 53 | 2.32727 |
| 54 | 2.6 |
| 55 | 2.88889 |
| 56 | 3.2375 |
| 57 | 3.81667 |
| 58 | 5.2 |
| 59 | 5.95 |
| 60 | 8.56667 |
| 61 | 11.75 |
| 62 | 14.025 |
| 63 | 18.8333 |
| 64 | 22.01 |
| 65 | 28.25 |
| 66 | 56.4 |

Sen's Estimator (Median Q) is 0.358071

| Tied Group | Value | Members |
|---|---|---|
| 1 | 2.5 | 3 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |

| | |
|---|---|
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 66
B = 0
C = 6
D = 0
E = 6
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 209
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.7794
M1 = (66 - 23.7794)/2.0 = 21.1103
M2 = (66 + 23.7794)/2.0 + 1 = 45.8897
Lower limit is 0 = Q(21)
Upper limit is 0.9975 = Q(46)
0 < 0 < 0.9975 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: AT 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.56 (5/8/2013) | 0.37 (3/12/2013) | (0.56 - 0.37)/(2 - 1) | 0.19 |
| 0.37 (9/23/2013) | 0.37 (3/12/2013) | (0.37 - 0.37)/(3 - 1) | 0 |
| 0.97 (12/10/2013) | 0.37 (3/12/2013) | (0.97 - 0.37)/(4 - 1) | 0.2 |
| 0.35 (2/6/2014) | 0.37 (3/12/2013) | (0.35 - 0.37)/(5 - 1) | -0.005 |
| 0.38 (6/26/2014) | 0.37 (3/12/2013) | (0.38 - 0.37)/(6 - 1) | 0.002 |
| ND<0.25 U (9/30/2014) | 0.37 (3/12/2013) | (0.25 - 0.37)/(7 - 1) | -0.02 |
| 0.5 (11/19/2014) | 0.37 (3/12/2013) | (0.5 - 0.37)/(8 - 1) | 0.0185714 |
| 0.27 (3/23/2015) | 0.37 (3/12/2013) | (0.27 - 0.37)/(9 - 1) | -0.0125 |
| ND<0.25 U (4/22/2015) | 0.37 (3/12/2013) | (0.25 - 0.37)/(10 - 1) | -0.0133333 |
| ND<0.25 U (9/30/2015) | 0.37 (3/12/2013) | (0.25 - 0.37)/(11 - 1) | -0.012 |
| 1.47 (11/19/2015) | 0.37 (3/12/2013) | (1.47 - 0.37)/(12 - 1) | 0.1 |
| 0.77 (3/15/2016) | 0.37 (3/12/2013) | (0.77 - 0.37)/(13 - 1) | 0.0333333 |
| ND<0.25 U (6/29/2016) | 0.37 (3/12/2013) | (0.25 - 0.37)/(14 - 1) | -0.00923077 |
| 0.27 (8/9/2016) | 0.37 (3/12/2013) | (0.27 - 0.37)/(15 - 1) | -0.00714286 |
| ND<0.25 U (12/7/2016) | 0.37 (3/12/2013) | (0.25 - 0.37)/(16 - 1) | -0.008 |
| 0.53 (3/2/2017) | 0.37 (3/12/2013) | (0.53 - 0.37)/(17 - 1) | 0.01 |
| 0.54 (6/21/2017) | 0.37 (3/12/2013) | (0.54 - 0.37)/(18 - 1) | 0.01 |
| 0.69 (8/17/2017) | 0.37 (3/12/2013) | (0.69 - 0.37)/(19 - 1) | 0.0177778 |
| ND<0.25 U (10/26/2017) | 0.37 (3/12/2013) | (0.25 - 0.37)/(20 - 1) | -0.00631579 |
| ND<0.25 U (3/27/2018) | 0.37 (3/12/2013) | (0.25 - 0.37)/(21 - 1) | -0.006 |
| 0.411 (6/26/2018) | 0.37 (3/12/2013) | (0.411 - 0.37)/(22 - 1) | 0.00195238 |
| 0.68 (8/1/2018) | 0.37 (3/12/2013) | (0.68 - 0.37)/(23 - 1) | 0.0140909 |
| 0.579 (12/11/2018) | 0.37 (3/12/2013) | (0.579 - 0.37)/(24 - 1) | 0.00908696 |
| ND<0.25 U (4/17/2019) | 0.37 (3/12/2013) | (0.25 - 0.37)/(25 - 1) | -0.005 |
| 0.486 (6/11/2019) | 0.37 (3/12/2013) | (0.486 - 0.37)/(26 - 1) | 0.00464 |
| 1.07 (8/28/2019) | 0.37 (3/12/2013) | (1.07 - 0.37)/(27 - 1) | 0.0269231 |
| ND<0.25 U (10/28/2019) | 0.37 (3/12/2013) | (0.25 - 0.37)/(28 - 1) | -0.00444444 |
| ND<0.25 U (3/31/2020) | 0.37 (3/12/2013) | (0.25 - 0.37)/(29 - 1) | -0.00428571 |
| ND<0.25 U (6/10/2020) | 0.37 (3/12/2013) | (0.25 - 0.37)/(30 - 1) | -0.00413793 |
| ND<0.25 U (6/10/2020) | 0.37 (3/12/2013) | (0.25 - 0.37)/(30 - 1) | -0.00413793 |
| ND<0.25 U (9/21/2020) | 0.37 (3/12/2013) | (0.25 - 0.37)/(31 - 1) | -0.004 |
| ND<0.25 U (12/17/2020) | 0.37 (3/12/2013) | (0.25 - 0.37)/(32 - 1) | -0.00387097 |
| ND<0.25 U (3/18/2021) | 0.37 (3/12/2013) | (0.25 - 0.37)/(33 - 1) | -0.00375 |
| 1.37 (5/5/2021) | 0.37 (3/12/2013) | (1.37 - 0.37)/(34 - 1) | 0.030303 |
| 0.969 (9/2/2021) | 0.37 (3/12/2013) | (0.969 - 0.37)/(35 - 1) | 0.0176176 |
| ND<0.25 U (11/23/2021) | 0.37 (3/12/2013) | (0.25 - 0.37)/(36 - 1) | -0.00342857 |
| 0.279 (1/10/2022) | 0.37 (3/12/2013) | (0.279 - 0.37)/(37 - 1) | -0.00252778 |
| 0.38 (4/7/2022) | 0.37 (3/12/2013) | (0.38 - 0.37)/(38 - 1) | 0.00027027 |
| 0.702 (8/3/2022) | 0.37 (3/12/2013) | (0.702 - 0.37)/(39 - 1) | 0.00873684 |
| ND<0.25 U (11/16/2022) | 0.37 (3/12/2013) | (0.25 - 0.37)/(40 - 1) | -0.00307692 |
| 0.301 (2/13/2023) | 0.37 (3/12/2013) | (0.301 - 0.37)/(41 - 1) | -0.001725 |
| 0.331 (5/24/2023) | 0.37 (3/12/2013) | (0.331 - 0.37)/(42 - 1) | -0.00095122 |
| 0.291 (8/7/2023) | 0.37 (3/12/2013) | (0.291 - 0.37)/(43 - 1) | -0.00188095 |
| 0.329 (12/12/2023) | 0.37 (3/12/2013) | (0.329 - 0.37)/(44 - 1) | -0.000953488 |
| 0.732 (1/10/2024) | 0.37 (3/12/2013) | (0.732 - 0.37)/(45 - 1) | 0.00822727 |
| ND<0.25 U (5/20/2024) | 0.37 (3/12/2013) | (0.25 - 0.37)/(46 - 1) | -0.00266667 |
| 0.473 (9/16/2024) | 0.37 (3/12/2013) | (0.473 - 0.37)/(47 - 1) | 0.00223913 |
| 0.526 (12/11/2024) | 0.37 (3/12/2013) | (0.526 - 0.37)/(48 - 1) | 0.00331915 |

| | | | |
|---|---|---|---|
| ND<0.131 U (2/18/2025) | 0.37 (3/12/2013) | (0.131 - 0.37)/(49 - 1) | -0.00497917 |
| | | | |
| 0.37 (9/23/2013) | 0.56 (5/8/2013) | (0.37 - 0.56)/(3 - 2) | -0.19 |
| 0.97 (12/10/2013) | 0.56 (5/8/2013) | (0.97 - 0.56)/(4 - 2) | 0.205 |
| 0.35 (2/6/2014) | 0.56 (5/8/2013) | (0.35 - 0.56)/(5 - 2) | -0.07 |
| 0.38 (6/26/2014) | 0.56 (5/8/2013) | (0.38 - 0.56)/(6 - 2) | -0.045 |
| ND<0.25 U (9/30/2014) | 0.56 (5/8/2013) | (0.25 - 0.56)/(7 - 2) | -0.062 |
| 0.5 (11/19/2014) | 0.56 (5/8/2013) | (0.5 - 0.56)/(8 - 2) | -0.01 |
| 0.27 (3/23/2015) | 0.56 (5/8/2013) | (0.27 - 0.56)/(9 - 2) | -0.0414286 |
| ND<0.25 U (4/22/2015) | 0.56 (5/8/2013) | (0.25 - 0.56)/(10 - 2) | -0.03875 |
| ND<0.25 U (9/30/2015) | 0.56 (5/8/2013) | (0.25 - 0.56)/(11 - 2) | -0.0344444 |
| 1.47 (11/19/2015) | 0.56 (5/8/2013) | (1.47 - 0.56)/(12 - 2) | 0.091 |
| 0.77 (3/15/2016) | 0.56 (5/8/2013) | (0.77 - 0.56)/(13 - 2) | 0.0190909 |
| ND<0.25 U (6/29/2016) | 0.56 (5/8/2013) | (0.25 - 0.56)/(14 - 2) | -0.0258333 |
| 0.27 (8/9/2016) | 0.56 (5/8/2013) | (0.27 - 0.56)/(15 - 2) | -0.0223077 |
| ND<0.25 U (12/7/2016) | 0.56 (5/8/2013) | (0.25 - 0.56)/(16 - 2) | -0.0221429 |
| 0.53 (3/2/2017) | 0.56 (5/8/2013) | (0.53 - 0.56)/(17 - 2) | -0.002 |
| 0.54 (6/21/2017) | 0.56 (5/8/2013) | (0.54 - 0.56)/(18 - 2) | -0.00125 |
| 0.69 (8/17/2017) | 0.56 (5/8/2013) | (0.69 - 0.56)/(19 - 2) | 0.00764706 |
| ND<0.25 U (10/26/2017) | 0.56 (5/8/2013) | (0.25 - 0.56)/(20 - 2) | -0.0172222 |
| ND<0.25 U (3/27/2018) | 0.56 (5/8/2013) | (0.25 - 0.56)/(21 - 2) | -0.0163158 |
| 0.411 (6/26/2018) | 0.56 (5/8/2013) | (0.411 - 0.56)/(22 - 2) | -0.00745 |
| 0.68 (8/1/2018) | 0.56 (5/8/2013) | (0.68 - 0.56)/(23 - 2) | 0.00571429 |
| 0.579 (12/11/2018) | 0.56 (5/8/2013) | (0.579 - 0.56)/(24 - 2) | 0.000863636 |
| ND<0.25 U (4/17/2019) | 0.56 (5/8/2013) | (0.25 - 0.56)/(25 - 2) | -0.0134783 |
| 0.486 (6/11/2019) | 0.56 (5/8/2013) | (0.486 - 0.56)/(26 - 2) | -0.00308333 |
| 1.07 (8/28/2019) | 0.56 (5/8/2013) | (1.07 - 0.56)/(27 - 2) | 0.0204 |
| ND<0.25 U (10/28/2019) | 0.56 (5/8/2013) | (0.25 - 0.56)/(28 - 2) | -0.0119231 |
| ND<0.25 U (3/31/2020) | 0.56 (5/8/2013) | (0.25 - 0.56)/(29 - 2) | -0.0114815 |
| ND<0.25 U (6/10/2020) | 0.56 (5/8/2013) | (0.25 - 0.56)/(30 - 2) | -0.0110714 |
| ND<0.25 U (6/10/2020) | 0.56 (5/8/2013) | (0.25 - 0.56)/(30 - 2) | -0.0110714 |
| ND<0.25 U (9/21/2020) | 0.56 (5/8/2013) | (0.25 - 0.56)/(31 - 2) | -0.0106897 |
| ND<0.25 U (12/17/2020) | 0.56 (5/8/2013) | (0.25 - 0.56)/(32 - 2) | -0.0103333 |
| ND<0.25 U (3/18/2021) | 0.56 (5/8/2013) | (0.25 - 0.56)/(33 - 2) | -0.01 |
| 1.37 (5/5/2021) | 0.56 (5/8/2013) | (1.37 - 0.56)/(34 - 2) | 0.0253125 |
| 0.969 (9/2/2021) | 0.56 (5/8/2013) | (0.969 - 0.56)/(35 - 2) | 0.0123939 |
| ND<0.25 U (11/23/2021) | 0.56 (5/8/2013) | (0.25 - 0.56)/(36 - 2) | -0.00911765 |
| 0.279 (1/10/2022) | 0.56 (5/8/2013) | (0.279 - 0.56)/(37 - 2) | -0.00802857 |
| 0.38 (4/7/2022) | 0.56 (5/8/2013) | (0.38 - 0.56)/(38 - 2) | -0.005 |
| 0.702 (8/3/2022) | 0.56 (5/8/2013) | (0.702 - 0.56)/(39 - 2) | 0.00383784 |
| ND<0.25 U (11/16/2022) | 0.56 (5/8/2013) | (0.25 - 0.56)/(40 - 2) | -0.00815789 |
| 0.301 (2/13/2023) | 0.56 (5/8/2013) | (0.301 - 0.56)/(41 - 2) | -0.00664103 |
| 0.331 (5/24/2023) | 0.56 (5/8/2013) | (0.331 - 0.56)/(42 - 2) | -0.005725 |
| 0.291 (8/7/2023) | 0.56 (5/8/2013) | (0.291 - 0.56)/(43 - 2) | -0.00656098 |
| 0.329 (12/12/2023) | 0.56 (5/8/2013) | (0.329 - 0.56)/(44 - 2) | -0.0055 |
| 0.732 (1/10/2024) | 0.56 (5/8/2013) | (0.732 - 0.56)/(45 - 2) | 0.004 |
| ND<0.25 U (5/20/2024) | 0.56 (5/8/2013) | (0.25 - 0.56)/(46 - 2) | -0.00704545 |
| 0.473 (9/16/2024) | 0.56 (5/8/2013) | (0.473 - 0.56)/(47 - 2) | -0.00193333 |
| 0.526 (12/11/2024) | 0.56 (5/8/2013) | (0.526 - 0.56)/(48 - 2) | -0.00073913 |
| ND<0.131 U (2/18/2025) | 0.56 (5/8/2013) | (0.131 - 0.56)/(49 - 2) | -0.00912766 |
| | | | |
| 0.97 (12/10/2013) | 0.37 (9/23/2013) | (0.97 - 0.37)/(4 - 3) | 0.6 |
| 0.35 (2/6/2014) | 0.37 (9/23/2013) | (0.35 - 0.37)/(5 - 3) | -0.01 |
| 0.38 (6/26/2014) | 0.37 (9/23/2013) | (0.38 - 0.37)/(6 - 3) | 0.00333333 |
| ND<0.25 U (9/30/2014) | 0.37 (9/23/2013) | (0.25 - 0.37)/(7 - 3) | -0.03 |
| 0.5 (11/19/2014) | 0.37 (9/23/2013) | (0.5 - 0.37)/(8 - 3) | 0.026 |
| 0.27 (3/23/2015) | 0.37 (9/23/2013) | (0.27 - 0.37)/(9 - 3) | -0.0166667 |

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|---|---|---|---|
| ND<0.25 U (4/22/2015) | 0.37 (9/23/2013) | (0.25 - 0.37)/(10 - 3) | -0.0171429 |
| ND<0.25 U (9/30/2015) | 0.37 (9/23/2013) | (0.25 - 0.37)/(11 - 3) | -0.015 |
| 1.47 (11/19/2015) | 0.37 (9/23/2013) | (1.47 - 0.37)/(12 - 3) | 0.122222 |
| 0.77 (3/15/2016) | 0.37 (9/23/2013) | (0.77 - 0.37)/(13 - 3) | 0.04 |
| ND<0.25 U (6/29/2016) | 0.37 (9/23/2013) | (0.25 - 0.37)/(14 - 3) | -0.0109091 |
| 0.27 (8/9/2016) | 0.37 (9/23/2013) | (0.27 - 0.37)/(15 - 3) | -0.00833333 |
| ND<0.25 U (12/7/2016) | 0.37 (9/23/2013) | (0.25 - 0.37)/(16 - 3) | -0.00923077 |
| 0.53 (3/2/2017) | 0.37 (9/23/2013) | (0.53 - 0.37)/(17 - 3) | 0.0114286 |
| 0.54 (6/21/2017) | 0.37 (9/23/2013) | (0.54 - 0.37)/(18 - 3) | 0.0113333 |
| 0.69 (8/17/2017) | 0.37 (9/23/2013) | (0.69 - 0.37)/(19 - 3) | 0.02 |
| ND<0.25 U (10/26/2017) | 0.37 (9/23/2013) | (0.25 - 0.37)/(20 - 3) | -0.00705882 |
| ND<0.25 U (3/27/2018) | 0.37 (9/23/2013) | (0.25 - 0.37)/(21 - 3) | -0.00666667 |
| 0.411 (6/26/2018) | 0.37 (9/23/2013) | (0.411 - 0.37)/(22 - 3) | 0.00215789 |
| 0.68 (8/1/2018) | 0.37 (9/23/2013) | (0.68 - 0.37)/(23 - 3) | 0.0155 |
| 0.579 (12/11/2018) | 0.37 (9/23/2013) | (0.579 - 0.37)/(24 - 3) | 0.00995238 |
| ND<0.25 U (4/17/2019) | 0.37 (9/23/2013) | (0.25 - 0.37)/(25 - 3) | -0.00545455 |
| 0.486 (6/11/2019) | 0.37 (9/23/2013) | (0.486 - 0.37)/(26 - 3) | 0.00504348 |
| 1.07 (8/28/2019) | 0.37 (9/23/2013) | (1.07 - 0.37)/(27 - 3) | 0.0291667 |
| ND<0.25 U (10/28/2019) | 0.37 (9/23/2013) | (0.25 - 0.37)/(28 - 3) | -0.0048 |
| ND<0.25 U (3/31/2020) | 0.37 (9/23/2013) | (0.25 - 0.37)/(29 - 3) | -0.00461538 |
| ND<0.25 U (6/10/2020) | 0.37 (9/23/2013) | (0.25 - 0.37)/(30 - 3) | -0.00444444 |
| ND<0.25 U (6/10/2020) | 0.37 (9/23/2013) | (0.25 - 0.37)/(30 - 3) | -0.00444444 |
| ND<0.25 U (9/21/2020) | 0.37 (9/23/2013) | (0.25 - 0.37)/(31 - 3) | -0.00428571 |
| ND<0.25 U (12/17/2020) | 0.37 (9/23/2013) | (0.25 - 0.37)/(32 - 3) | -0.00413793 |
| ND<0.25 U (3/18/2021) | 0.37 (9/23/2013) | (0.25 - 0.37)/(33 - 3) | -0.004 |
| 1.37 (5/5/2021) | 0.37 (9/23/2013) | (1.37 - 0.37)/(34 - 3) | 0.0322581 |
| 0.969 (9/2/2021) | 0.37 (9/23/2013) | (0.969 - 0.37)/(35 - 3) | 0.0187187 |
| ND<0.25 U (11/23/2021) | 0.37 (9/23/2013) | (0.25 - 0.37)/(36 - 3) | -0.00363636 |
| 0.279 (1/10/2022) | 0.37 (9/23/2013) | (0.279 - 0.37)/(37 - 3) | -0.00267647 |
| 0.38 (4/7/2022) | 0.37 (9/23/2013) | (0.38 - 0.37)/(38 - 3) | 0.000285714 |
| 0.702 (8/3/2022) | 0.37 (9/23/2013) | (0.702 - 0.37)/(39 - 3) | 0.00922222 |
| ND<0.25 U (11/16/2022) | 0.37 (9/23/2013) | (0.25 - 0.37)/(40 - 3) | -0.00324324 |
| 0.301 (2/13/2023) | 0.37 (9/23/2013) | (0.301 - 0.37)/(41 - 3) | -0.00181579 |
| 0.331 (5/24/2023) | 0.37 (9/23/2013) | (0.331 - 0.37)/(42 - 3) | -0.001 |
| 0.291 (8/7/2023) | 0.37 (9/23/2013) | (0.291 - 0.37)/(43 - 3) | -0.001975 |
| 0.329 (12/12/2023) | 0.37 (9/23/2013) | (0.329 - 0.37)/(44 - 3) | -0.001 |
| 0.732 (1/10/2024) | 0.37 (9/23/2013) | (0.732 - 0.37)/(45 - 3) | 0.00861905 |
| ND<0.25 U (5/20/2024) | 0.37 (9/23/2013) | (0.25 - 0.37)/(46 - 3) | -0.0027907 |
| 0.473 (9/16/2024) | 0.37 (9/23/2013) | (0.473 - 0.37)/(47 - 3) | 0.00234091 |
| 0.526 (12/11/2024) | 0.37 (9/23/2013) | (0.526 - 0.37)/(48 - 3) | 0.00346667 |
| ND<0.131 U (2/18/2025) | 0.37 (9/23/2013) | (0.131 - 0.37)/(49 - 3) | -0.00519565 |
| | | | |
| 0.35 (2/6/2014) | 0.97 (12/10/2013) | (0.35 - 0.97)/(5 - 4) | -0.62 |
| 0.38 (6/26/2014) | 0.97 (12/10/2013) | (0.38 - 0.97)/(6 - 4) | -0.295 |
| ND<0.25 U (9/30/2014) | 0.97 (12/10/2013) | (0.25 - 0.97)/(7 - 4) | -0.24 |
| 0.5 (11/19/2014) | 0.97 (12/10/2013) | (0.5 - 0.97)/(8 - 4) | -0.1175 |
| 0.27 (3/23/2015) | 0.97 (12/10/2013) | (0.27 - 0.97)/(9 - 4) | -0.14 |
| ND<0.25 U (4/22/2015) | 0.97 (12/10/2013) | (0.25 - 0.97)/(10 - 4) | -0.12 |
| ND<0.25 U (9/30/2015) | 0.97 (12/10/2013) | (0.25 - 0.97)/(11 - 4) | -0.102857 |
| 1.47 (11/19/2015) | 0.97 (12/10/2013) | (1.47 - 0.97)/(12 - 4) | 0.0625 |
| 0.77 (3/15/2016) | 0.97 (12/10/2013) | (0.77 - 0.97)/(13 - 4) | -0.0222222 |
| ND<0.25 U (6/29/2016) | 0.97 (12/10/2013) | (0.25 - 0.97)/(14 - 4) | -0.072 |
| 0.27 (8/9/2016) | 0.97 (12/10/2013) | (0.27 - 0.97)/(15 - 4) | -0.0636364 |
| ND<0.25 U (12/7/2016) | 0.97 (12/10/2013) | (0.25 - 0.97)/(16 - 4) | -0.06 |
| 0.53 (3/2/2017) | 0.97 (12/10/2013) | (0.53 - 0.97)/(17 - 4) | -0.0338462 |
| 0.54 (6/21/2017) | 0.97 (12/10/2013) | (0.54 - 0.97)/(18 - 4) | -0.0307143 |
| 0.69 (8/17/2017) | 0.97 (12/10/2013) | (0.69 - 0.97)/(19 - 4) | -0.0186667 |

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|---|---|---|---|
| ND<0.25 U (10/26/2017) | 0.97 (12/10/2013) | (0.25 - 0.97)/(20 - 4) | -0.045 |
| ND<0.25 U (3/27/2018) | 0.97 (12/10/2013) | (0.25 - 0.97)/(21 - 4) | -0.0423529 |
| 0.411 (6/26/2018) | 0.97 (12/10/2013) | (0.411 - 0.97)/(22 - 4) | -0.0310556 |
| 0.68 (8/1/2018) | 0.97 (12/10/2013) | (0.68 - 0.97)/(23 - 4) | -0.0152632 |
| 0.579 (12/11/2018) | 0.97 (12/10/2013) | (0.579 - 0.97)/(24 - 4) | -0.01955 |
| ND<0.25 U (4/17/2019) | 0.97 (12/10/2013) | (0.25 - 0.97)/(25 - 4) | -0.0342857 |
| 0.486 (6/11/2019) | 0.97 (12/10/2013) | (0.486 - 0.97)/(26 - 4) | -0.022 |
| 1.07 (8/28/2019) | 0.97 (12/10/2013) | (1.07 - 0.97)/(27 - 4) | 0.00434783 |
| ND<0.25 U (10/28/2019) | 0.97 (12/10/2013) | (0.25 - 0.97)/(28 - 4) | -0.03 |
| ND<0.25 U (3/31/2020) | 0.97 (12/10/2013) | (0.25 - 0.97)/(29 - 4) | -0.0288 |
| ND<0.25 U (6/10/2020) | 0.97 (12/10/2013) | (0.25 - 0.97)/(30 - 4) | -0.0276923 |
| ND<0.25 U (6/10/2020) | 0.97 (12/10/2013) | (0.25 - 0.97)/(30 - 4) | -0.0276923 |
| ND<0.25 U (9/21/2020) | 0.97 (12/10/2013) | (0.25 - 0.97)/(31 - 4) | -0.0266667 |
| ND<0.25 U (12/17/2020) | 0.97 (12/10/2013) | (0.25 - 0.97)/(32 - 4) | -0.0257143 |
| ND<0.25 U (3/18/2021) | 0.97 (12/10/2013) | (0.25 - 0.97)/(33 - 4) | -0.0248276 |
| 1.37 (5/5/2021) | 0.97 (12/10/2013) | (1.37 - 0.97)/(34 - 4) | 0.0133333 |
| 0.969 (9/2/2021) | 0.97 (12/10/2013) | (0.969 - 0.97)/(35 - 4) | -3.22581e-05 |
| ND<0.25 U (11/23/2021) | 0.97 (12/10/2013) | (0.25 - 0.97)/(36 - 4) | -0.0225 |
| 0.279 (1/10/2022) | 0.97 (12/10/2013) | (0.279 - 0.97)/(37 - 4) | -0.0209394 |
| 0.38 (4/7/2022) | 0.97 (12/10/2013) | (0.38 - 0.97)/(38 - 4) | -0.0173529 |
| 0.702 (8/3/2022) | 0.97 (12/10/2013) | (0.702 - 0.97)/(39 - 4) | -0.00765714 |
| ND<0.25 U (11/16/2022) | 0.97 (12/10/2013) | (0.25 - 0.97)/(40 - 4) | -0.02 |
| 0.301 (2/13/2023) | 0.97 (12/10/2013) | (0.301 - 0.97)/(41 - 4) | -0.0180811 |
| 0.331 (5/24/2023) | 0.97 (12/10/2013) | (0.331 - 0.97)/(42 - 4) | -0.0168158 |
| 0.291 (8/7/2023) | 0.97 (12/10/2013) | (0.291 - 0.97)/(43 - 4) | -0.0174103 |
| 0.329 (12/12/2023) | 0.97 (12/10/2013) | (0.329 - 0.97)/(44 - 4) | -0.016025 |
| 0.732 (1/10/2024) | 0.97 (12/10/2013) | (0.732 - 0.97)/(45 - 4) | -0.00580488 |
| ND<0.25 U (5/20/2024) | 0.97 (12/10/2013) | (0.25 - 0.97)/(46 - 4) | -0.0171429 |
| 0.473 (9/16/2024) | 0.97 (12/10/2013) | (0.473 - 0.97)/(47 - 4) | -0.0115581 |
| 0.526 (12/11/2024) | 0.97 (12/10/2013) | (0.526 - 0.97)/(48 - 4) | -0.0100909 |
| ND<0.131 U (2/18/2025) | 0.97 (12/10/2013) | (0.131 - 0.97)/(49 - 4) | -0.0186444 |
| | | | |
| 0.38 (6/26/2014) | 0.35 (2/6/2014) | (0.38 - 0.35)/(6 - 5) | 0.03 |
| ND<0.25 U (9/30/2014) | 0.35 (2/6/2014) | (0.25 - 0.35)/(7 - 5) | -0.05 |
| 0.5 (11/19/2014) | 0.35 (2/6/2014) | (0.5 - 0.35)/(8 - 5) | 0.05 |
| 0.27 (3/23/2015) | 0.35 (2/6/2014) | (0.27 - 0.35)/(9 - 5) | -0.02 |
| ND<0.25 U (4/22/2015) | 0.35 (2/6/2014) | (0.25 - 0.35)/(10 - 5) | -0.02 |
| ND<0.25 U (9/30/2015) | 0.35 (2/6/2014) | (0.25 - 0.35)/(11 - 5) | -0.0166667 |
| 1.47 (11/19/2015) | 0.35 (2/6/2014) | (1.47 - 0.35)/(12 - 5) | 0.16 |
| 0.77 (3/15/2016) | 0.35 (2/6/2014) | (0.77 - 0.35)/(13 - 5) | 0.0525 |
| ND<0.25 U (6/29/2016) | 0.35 (2/6/2014) | (0.25 - 0.35)/(14 - 5) | -0.0111111 |
| 0.27 (8/9/2016) | 0.35 (2/6/2014) | (0.27 - 0.35)/(15 - 5) | -0.008 |
| ND<0.25 U (12/7/2016) | 0.35 (2/6/2014) | (0.25 - 0.35)/(16 - 5) | -0.00909091 |
| 0.53 (3/2/2017) | 0.35 (2/6/2014) | (0.53 - 0.35)/(17 - 5) | 0.015 |
| 0.54 (6/21/2017) | 0.35 (2/6/2014) | (0.54 - 0.35)/(18 - 5) | 0.0146154 |
| 0.69 (8/17/2017) | 0.35 (2/6/2014) | (0.69 - 0.35)/(19 - 5) | 0.0242857 |
| ND<0.25 U (10/26/2017) | 0.35 (2/6/2014) | (0.25 - 0.35)/(20 - 5) | -0.00666667 |
| ND<0.25 U (3/27/2018) | 0.35 (2/6/2014) | (0.25 - 0.35)/(21 - 5) | -0.00625 |
| 0.411 (6/26/2018) | 0.35 (2/6/2014) | (0.411 - 0.35)/(22 - 5) | 0.00358824 |
| 0.68 (8/1/2018) | 0.35 (2/6/2014) | (0.68 - 0.35)/(23 - 5) | 0.0183333 |
| 0.579 (12/11/2018) | 0.35 (2/6/2014) | (0.579 - 0.35)/(24 - 5) | 0.0120526 |
| ND<0.25 U (4/17/2019) | 0.35 (2/6/2014) | (0.25 - 0.35)/(25 - 5) | -0.005 |
| 0.486 (6/11/2019) | 0.35 (2/6/2014) | (0.486 - 0.35)/(26 - 5) | 0.00647619 |
| 1.07 (8/28/2019) | 0.35 (2/6/2014) | (1.07 - 0.35)/(27 - 5) | 0.0327273 |
| ND<0.25 U (10/28/2019) | 0.35 (2/6/2014) | (0.25 - 0.35)/(28 - 5) | -0.00434783 |
| ND<0.25 U (3/31/2020) | 0.35 (2/6/2014) | (0.25 - 0.35)/(29 - 5) | -0.00416667 |
| ND<0.25 U (6/10/2020) | 0.35 (2/6/2014) | (0.25 - 0.35)/(30 - 5) | -0.004 |

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|---|---|---|---|
| ND<0.25 U (6/10/2020) | 0.35 (2/6/2014) | (0.25 - 0.35)/(30 - 5) | -0.004 |
| ND<0.25 U (9/21/2020) | 0.35 (2/6/2014) | (0.25 - 0.35)/(31 - 5) | -0.00384615 |
| ND<0.25 U (12/17/2020) | 0.35 (2/6/2014) | (0.25 - 0.35)/(32 - 5) | -0.0037037 |
| ND<0.25 U (3/18/2021) | 0.35 (2/6/2014) | (0.25 - 0.35)/(33 - 5) | -0.00357143 |
| 1.37 (5/5/2021) | 0.35 (2/6/2014) | (1.37 - 0.35)/(34 - 5) | 0.0351724 |
| 0.969 (9/2/2021) | 0.35 (2/6/2014) | (0.969 - 0.35)/(35 - 5) | 0.0206333 |
| ND<0.25 U (11/23/2021) | 0.35 (2/6/2014) | (0.25 - 0.35)/(36 - 5) | -0.00322581 |
| 0.279 (1/10/2022) | 0.35 (2/6/2014) | (0.279 - 0.35)/(37 - 5) | -0.00221875 |
| 0.38 (4/7/2022) | 0.35 (2/6/2014) | (0.38 - 0.35)/(38 - 5) | 0.000909091 |
| 0.702 (8/3/2022) | 0.35 (2/6/2014) | (0.702 - 0.35)/(39 - 5) | 0.0103529 |
| ND<0.25 U (11/16/2022) | 0.35 (2/6/2014) | (0.25 - 0.35)/(40 - 5) | -0.00285714 |
| 0.301 (2/13/2023) | 0.35 (2/6/2014) | (0.301 - 0.35)/(41 - 5) | -0.00136111 |
| 0.331 (5/24/2023) | 0.35 (2/6/2014) | (0.331 - 0.35)/(42 - 5) | -0.000513514 |
| 0.291 (8/7/2023) | 0.35 (2/6/2014) | (0.291 - 0.35)/(43 - 5) | -0.00155263 |
| 0.329 (12/12/2023) | 0.35 (2/6/2014) | (0.329 - 0.35)/(44 - 5) | -0.000538462 |
| 0.732 (1/10/2024) | 0.35 (2/6/2014) | (0.732 - 0.35)/(45 - 5) | 0.00955 |
| ND<0.25 U (5/20/2024) | 0.35 (2/6/2014) | (0.25 - 0.35)/(46 - 5) | -0.00243902 |
| 0.473 (9/16/2024) | 0.35 (2/6/2014) | (0.473 - 0.35)/(47 - 5) | 0.00292857 |
| 0.526 (12/11/2024) | 0.35 (2/6/2014) | (0.526 - 0.35)/(48 - 5) | 0.00409302 |
| ND<0.131 U (2/18/2025) | 0.35 (2/6/2014) | (0.131 - 0.35)/(49 - 5) | -0.00497727 |
| | | | |
| ND<0.25 U (9/30/2014) | 0.38 (6/26/2014) | (0.25 - 0.38)/(7 - 6) | -0.13 |
| 0.5 (11/19/2014) | 0.38 (6/26/2014) | (0.5 - 0.38)/(8 - 6) | 0.06 |
| 0.27 (3/23/2015) | 0.38 (6/26/2014) | (0.27 - 0.38)/(9 - 6) | -0.0366667 |
| ND<0.25 U (4/22/2015) | 0.38 (6/26/2014) | (0.25 - 0.38)/(10 - 6) | -0.0325 |
| ND<0.25 U (9/30/2015) | 0.38 (6/26/2014) | (0.25 - 0.38)/(11 - 6) | -0.026 |
| 1.47 (11/19/2015) | 0.38 (6/26/2014) | (1.47 - 0.38)/(12 - 6) | 0.181667 |
| 0.77 (3/15/2016) | 0.38 (6/26/2014) | (0.77 - 0.38)/(13 - 6) | 0.0557143 |
| ND<0.25 U (6/29/2016) | 0.38 (6/26/2014) | (0.25 - 0.38)/(14 - 6) | -0.01625 |
| 0.27 (8/9/2016) | 0.38 (6/26/2014) | (0.27 - 0.38)/(15 - 6) | -0.0122222 |
| ND<0.25 U (12/7/2016) | 0.38 (6/26/2014) | (0.25 - 0.38)/(16 - 6) | -0.013 |
| 0.53 (3/2/2017) | 0.38 (6/26/2014) | (0.53 - 0.38)/(17 - 6) | 0.0136364 |
| 0.54 (6/21/2017) | 0.38 (6/26/2014) | (0.54 - 0.38)/(18 - 6) | 0.0133333 |
| 0.69 (8/17/2017) | 0.38 (6/26/2014) | (0.69 - 0.38)/(19 - 6) | 0.0238462 |
| ND<0.25 U (10/26/2017) | 0.38 (6/26/2014) | (0.25 - 0.38)/(20 - 6) | -0.00928571 |
| ND<0.25 U (3/27/2018) | 0.38 (6/26/2014) | (0.25 - 0.38)/(21 - 6) | -0.00866667 |
| 0.411 (6/26/2018) | 0.38 (6/26/2014) | (0.411 - 0.38)/(22 - 6) | 0.0019375 |
| 0.68 (8/1/2018) | 0.38 (6/26/2014) | (0.68 - 0.38)/(23 - 6) | 0.0176471 |
| 0.579 (12/11/2018) | 0.38 (6/26/2014) | (0.579 - 0.38)/(24 - 6) | 0.0110556 |
| ND<0.25 U (4/17/2019) | 0.38 (6/26/2014) | (0.25 - 0.38)/(25 - 6) | -0.00684211 |
| 0.486 (6/11/2019) | 0.38 (6/26/2014) | (0.486 - 0.38)/(26 - 6) | 0.0053 |
| 1.07 (8/28/2019) | 0.38 (6/26/2014) | (1.07 - 0.38)/(27 - 6) | 0.0328571 |
| ND<0.25 U (10/28/2019) | 0.38 (6/26/2014) | (0.25 - 0.38)/(28 - 6) | -0.00590909 |
| ND<0.25 U (3/31/2020) | 0.38 (6/26/2014) | (0.25 - 0.38)/(29 - 6) | -0.00565217 |
| ND<0.25 U (6/10/2020) | 0.38 (6/26/2014) | (0.25 - 0.38)/(30 - 6) | -0.00541667 |
| ND<0.25 U (6/10/2020) | 0.38 (6/26/2014) | (0.25 - 0.38)/(30 - 6) | -0.00541667 |
| ND<0.25 U (9/21/2020) | 0.38 (6/26/2014) | (0.25 - 0.38)/(31 - 6) | -0.0052 |
| ND<0.25 U (12/17/2020) | 0.38 (6/26/2014) | (0.25 - 0.38)/(32 - 6) | -0.005 |
| ND<0.25 U (3/18/2021) | 0.38 (6/26/2014) | (0.25 - 0.38)/(33 - 6) | -0.00481481 |
| 1.37 (5/5/2021) | 0.38 (6/26/2014) | (1.37 - 0.38)/(34 - 6) | 0.0353571 |
| 0.969 (9/2/2021) | 0.38 (6/26/2014) | (0.969 - 0.38)/(35 - 6) | 0.0203103 |
| ND<0.25 U (11/23/2021) | 0.38 (6/26/2014) | (0.25 - 0.38)/(36 - 6) | -0.00433333 |
| 0.279 (1/10/2022) | 0.38 (6/26/2014) | (0.279 - 0.38)/(37 - 6) | -0.00325806 |
| 0.38 (4/7/2022) | 0.38 (6/26/2014) | (0.38 - 0.38)/(38 - 6) | 0 |
| 0.702 (8/3/2022) | 0.38 (6/26/2014) | (0.702 - 0.38)/(39 - 6) | 0.00975758 |
| ND<0.25 U (11/16/2022) | 0.38 (6/26/2014) | (0.25 - 0.38)/(40 - 6) | -0.00382353 |
| 0.301 (2/13/2023) | 0.38 (6/26/2014) | (0.301 - 0.38)/(41 - 6) | -0.00225714 |

| | | | |
|---|---|---|---|
| 0.331 (5/24/2023) | 0.38 (6/26/2014) | (0.331 - 0.38)/(42 - 6) | -0.00136111 |
| 0.291 (8/7/2023) | 0.38 (6/26/2014) | (0.291 - 0.38)/(43 - 6) | -0.00240541 |
| 0.329 (12/12/2023) | 0.38 (6/26/2014) | (0.329 - 0.38)/(44 - 6) | -0.00134211 |
| 0.732 (1/10/2024) | 0.38 (6/26/2014) | (0.732 - 0.38)/(45 - 6) | 0.00902564 |
| ND<0.25 U (5/20/2024) | 0.38 (6/26/2014) | (0.25 - 0.38)/(46 - 6) | -0.00325 |
| 0.473 (9/16/2024) | 0.38 (6/26/2014) | (0.473 - 0.38)/(47 - 6) | 0.00226829 |
| 0.526 (12/11/2024) | 0.38 (6/26/2014) | (0.526 - 0.38)/(48 - 6) | 0.00347619 |
| ND<0.131 U (2/18/2025) | 0.38 (6/26/2014) | (0.131 - 0.38)/(49 - 6) | -0.0057907 |
| | | | |
| 0.5 (11/19/2014) | ND<0.25 U (9/30/2014) | (0.5 - 0.25)/(8 - 7) | 0.25 |
| 0.27 (3/23/2015) | ND<0.25 U (9/30/2014) | (0.27 - 0.25)/(9 - 7) | 0.01 |
| ND<0.25 U (4/22/2015) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(10 - 7) | 0 |
| ND<0.25 U (9/30/2015) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(11 - 7) | 0 |
| 1.47 (11/19/2015) | ND<0.25 U (9/30/2014) | (1.47 - 0.25)/(12 - 7) | 0.244 |
| 0.77 (3/15/2016) | ND<0.25 U (9/30/2014) | (0.77 - 0.25)/(13 - 7) | 0.0866667 |
| ND<0.25 U (6/29/2016) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(14 - 7) | 0 |
| 0.27 (8/9/2016) | ND<0.25 U (9/30/2014) | (0.27 - 0.25)/(15 - 7) | 0.0025 |
| ND<0.25 U (12/7/2016) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(16 - 7) | 0 |
| 0.53 (3/2/2017) | ND<0.25 U (9/30/2014) | (0.53 - 0.25)/(17 - 7) | 0.028 |
| 0.54 (6/21/2017) | ND<0.25 U (9/30/2014) | (0.54 - 0.25)/(18 - 7) | 0.0263636 |
| 0.69 (8/17/2017) | ND<0.25 U (9/30/2014) | (0.69 - 0.25)/(19 - 7) | 0.0366667 |
| ND<0.25 U (10/26/2017) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(20 - 7) | 0 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(21 - 7) | 0 |
| 0.411 (6/26/2018) | ND<0.25 U (9/30/2014) | (0.411 - 0.25)/(22 - 7) | 0.0107333 |
| 0.68 (8/1/2018) | ND<0.25 U (9/30/2014) | (0.68 - 0.25)/(23 - 7) | 0.026875 |
| 0.579 (12/11/2018) | ND<0.25 U (9/30/2014) | (0.579 - 0.25)/(24 - 7) | 0.0193529 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(25 - 7) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (9/30/2014) | (0.486 - 0.25)/(26 - 7) | 0.0124211 |
| 1.07 (8/28/2019) | ND<0.25 U (9/30/2014) | (1.07 - 0.25)/(27 - 7) | 0.041 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(28 - 7) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(29 - 7) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(30 - 7) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(30 - 7) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(31 - 7) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(32 - 7) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(33 - 7) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (9/30/2014) | (1.37 - 0.25)/(34 - 7) | 0.0414815 |
| 0.969 (9/2/2021) | ND<0.25 U (9/30/2014) | (0.969 - 0.25)/(35 - 7) | 0.0256786 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(36 - 7) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (9/30/2014) | (0.279 - 0.25)/(37 - 7) | 0.000966667 |
| 0.38 (4/7/2022) | ND<0.25 U (9/30/2014) | (0.38 - 0.25)/(38 - 7) | 0.00419355 |
| 0.702 (8/3/2022) | ND<0.25 U (9/30/2014) | (0.702 - 0.25)/(39 - 7) | 0.014125 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(40 - 7) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (9/30/2014) | (0.301 - 0.25)/(41 - 7) | 0.0015 |
| 0.331 (5/24/2023) | ND<0.25 U (9/30/2014) | (0.331 - 0.25)/(42 - 7) | 0.00231429 |
| 0.291 (8/7/2023) | ND<0.25 U (9/30/2014) | (0.291 - 0.25)/(43 - 7) | 0.00113889 |
| 0.329 (12/12/2023) | ND<0.25 U (9/30/2014) | (0.329 - 0.25)/(44 - 7) | 0.00213514 |
| 0.732 (1/10/2024) | ND<0.25 U (9/30/2014) | (0.732 - 0.25)/(45 - 7) | 0.0126842 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (9/30/2014) | (0.25 - 0.25)/(46 - 7) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (9/30/2014) | (0.473 - 0.25)/(47 - 7) | 0.005575 |
| 0.526 (12/11/2024) | ND<0.25 U (9/30/2014) | (0.526 - 0.25)/(48 - 7) | 0.00673171 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (9/30/2014) | (0.131 - 0.25)/(49 - 7) | -0.00283333 |
| | | | |
| 0.27 (3/23/2015) | 0.5 (11/19/2014) | (0.27 - 0.5)/(9 - 8) | -0.23 |
| ND<0.25 U (4/22/2015) | 0.5 (11/19/2014) | (0.25 - 0.5)/(10 - 8) | -0.125 |
| ND<0.25 U (9/30/2015) | 0.5 (11/19/2014) | (0.25 - 0.5)/(11 - 8) | -0.0833333 |
| 1.47 (11/19/2015) | 0.5 (11/19/2014) | (1.47 - 0.5)/(12 - 8) | 0.2425 |

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|---|---|---|---|
| 0.77 (3/15/2016) | 0.5 (11/19/2014) | (0.77 - 0.5)/(13 - 8) | 0.054 |
| ND<0.25 U (6/29/2016) | 0.5 (11/19/2014) | (0.25 - 0.5)/(14 - 8) | -0.0416667 |
| 0.27 (8/9/2016) | 0.5 (11/19/2014) | (0.27 - 0.5)/(15 - 8) | -0.0328571 |
| ND<0.25 U (12/7/2016) | 0.5 (11/19/2014) | (0.25 - 0.5)/(16 - 8) | -0.03125 |
| 0.53 (3/2/2017) | 0.5 (11/19/2014) | (0.53 - 0.5)/(17 - 8) | 0.00333333 |
| 0.54 (6/21/2017) | 0.5 (11/19/2014) | (0.54 - 0.5)/(18 - 8) | 0.004 |
| 0.69 (8/17/2017) | 0.5 (11/19/2014) | (0.69 - 0.5)/(19 - 8) | 0.0172727 |
| ND<0.25 U (10/26/2017) | 0.5 (11/19/2014) | (0.25 - 0.5)/(20 - 8) | -0.0208333 |
| ND<0.25 U (3/27/2018) | 0.5 (11/19/2014) | (0.25 - 0.5)/(21 - 8) | -0.0192308 |
| 0.411 (6/26/2018) | 0.5 (11/19/2014) | (0.411 - 0.5)/(22 - 8) | -0.00635714 |
| 0.68 (8/1/2018) | 0.5 (11/19/2014) | (0.68 - 0.5)/(23 - 8) | 0.012 |
| 0.579 (12/11/2018) | 0.5 (11/19/2014) | (0.579 - 0.5)/(24 - 8) | 0.0049375 |
| ND<0.25 U (4/17/2019) | 0.5 (11/19/2014) | (0.25 - 0.5)/(25 - 8) | -0.0147059 |
| 0.486 (6/11/2019) | 0.5 (11/19/2014) | (0.486 - 0.5)/(26 - 8) | -0.000777778 |
| 1.07 (8/28/2019) | 0.5 (11/19/2014) | (1.07 - 0.5)/(27 - 8) | 0.03 |
| ND<0.25 U (10/28/2019) | 0.5 (11/19/2014) | (0.25 - 0.5)/(28 - 8) | -0.0125 |
| ND<0.25 U (3/31/2020) | 0.5 (11/19/2014) | (0.25 - 0.5)/(29 - 8) | -0.0119048 |
| ND<0.25 U (6/10/2020) | 0.5 (11/19/2014) | (0.25 - 0.5)/(30 - 8) | -0.0113636 |
| ND<0.25 U (6/10/2020) | 0.5 (11/19/2014) | (0.25 - 0.5)/(30 - 8) | -0.0113636 |
| ND<0.25 U (9/21/2020) | 0.5 (11/19/2014) | (0.25 - 0.5)/(31 - 8) | -0.0108696 |
| ND<0.25 U (12/17/2020) | 0.5 (11/19/2014) | (0.25 - 0.5)/(32 - 8) | -0.0104167 |
| ND<0.25 U (3/18/2021) | 0.5 (11/19/2014) | (0.25 - 0.5)/(33 - 8) | -0.01 |
| 1.37 (5/5/2021) | 0.5 (11/19/2014) | (1.37 - 0.5)/(34 - 8) | 0.0334615 |
| 0.969 (9/2/2021) | 0.5 (11/19/2014) | (0.969 - 0.5)/(35 - 8) | 0.0173704 |
| ND<0.25 U (11/23/2021) | 0.5 (11/19/2014) | (0.25 - 0.5)/(36 - 8) | -0.00892857 |
| 0.279 (1/10/2022) | 0.5 (11/19/2014) | (0.279 - 0.5)/(37 - 8) | -0.00762069 |
| 0.38 (4/7/2022) | 0.5 (11/19/2014) | (0.38 - 0.5)/(38 - 8) | -0.004 |
| 0.702 (8/3/2022) | 0.5 (11/19/2014) | (0.702 - 0.5)/(39 - 8) | 0.00651613 |
| ND<0.25 U (11/16/2022) | 0.5 (11/19/2014) | (0.25 - 0.5)/(40 - 8) | -0.0078125 |
| 0.301 (2/13/2023) | 0.5 (11/19/2014) | (0.301 - 0.5)/(41 - 8) | -0.0060303 |
| 0.331 (5/24/2023) | 0.5 (11/19/2014) | (0.331 - 0.5)/(42 - 8) | -0.00497059 |
| 0.291 (8/7/2023) | 0.5 (11/19/2014) | (0.291 - 0.5)/(43 - 8) | -0.00597143 |
| 0.329 (12/12/2023) | 0.5 (11/19/2014) | (0.329 - 0.5)/(44 - 8) | -0.00475 |
| 0.732 (1/10/2024) | 0.5 (11/19/2014) | (0.732 - 0.5)/(45 - 8) | 0.00627027 |
| ND<0.25 U (5/20/2024) | 0.5 (11/19/2014) | (0.25 - 0.5)/(46 - 8) | -0.00657895 |
| 0.473 (9/16/2024) | 0.5 (11/19/2014) | (0.473 - 0.5)/(47 - 8) | -0.000692308 |
| 0.526 (12/11/2024) | 0.5 (11/19/2014) | (0.526 - 0.5)/(48 - 8) | 0.00065 |
| ND<0.131 U (2/18/2025) | 0.5 (11/19/2014) | (0.131 - 0.5)/(49 - 8) | -0.009 |
| | | | |
| ND<0.25 U (4/22/2015) | 0.27 (3/23/2015) | (0.25 - 0.27)/(10 - 9) | -0.02 |
| ND<0.25 U (9/30/2015) | 0.27 (3/23/2015) | (0.25 - 0.27)/(11 - 9) | -0.01 |
| 1.47 (11/19/2015) | 0.27 (3/23/2015) | (1.47 - 0.27)/(12 - 9) | 0.4 |
| 0.77 (3/15/2016) | 0.27 (3/23/2015) | (0.77 - 0.27)/(13 - 9) | 0.125 |
| ND<0.25 U (6/29/2016) | 0.27 (3/23/2015) | (0.25 - 0.27)/(14 - 9) | -0.004 |
| 0.27 (8/9/2016) | 0.27 (3/23/2015) | (0.27 - 0.27)/(15 - 9) | 0 |
| ND<0.25 U (12/7/2016) | 0.27 (3/23/2015) | (0.25 - 0.27)/(16 - 9) | -0.00285714 |
| 0.53 (3/2/2017) | 0.27 (3/23/2015) | (0.53 - 0.27)/(17 - 9) | 0.0325 |
| 0.54 (6/21/2017) | 0.27 (3/23/2015) | (0.54 - 0.27)/(18 - 9) | 0.03 |
| 0.69 (8/17/2017) | 0.27 (3/23/2015) | (0.69 - 0.27)/(19 - 9) | 0.042 |
| ND<0.25 U (10/26/2017) | 0.27 (3/23/2015) | (0.25 - 0.27)/(20 - 9) | -0.00181818 |
| ND<0.25 U (3/27/2018) | 0.27 (3/23/2015) | (0.25 - 0.27)/(21 - 9) | -0.00166667 |
| 0.411 (6/26/2018) | 0.27 (3/23/2015) | (0.411 - 0.27)/(22 - 9) | 0.0108462 |
| 0.68 (8/1/2018) | 0.27 (3/23/2015) | (0.68 - 0.27)/(23 - 9) | 0.0292857 |
| 0.579 (12/11/2018) | 0.27 (3/23/2015) | (0.579 - 0.27)/(24 - 9) | 0.0206 |
| ND<0.25 U (4/17/2019) | 0.27 (3/23/2015) | (0.25 - 0.27)/(25 - 9) | -0.00125 |
| 0.486 (6/11/2019) | 0.27 (3/23/2015) | (0.486 - 0.27)/(26 - 9) | 0.0127059 |
| 1.07 (8/28/2019) | 0.27 (3/23/2015) | (1.07 - 0.27)/(27 - 9) | 0.0444444 |

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|---|---|---|---|
| ND<0.25 U (10/28/2019) | 0.27 (3/23/2015) | (0.25 - 0.27)/(28 - 9) | -0.00105263 |
| ND<0.25 U (3/31/2020) | 0.27 (3/23/2015) | (0.25 - 0.27)/(29 - 9) | -0.001 |
| ND<0.25 U (6/10/2020) | 0.27 (3/23/2015) | (0.25 - 0.27)/(30 - 9) | -0.000952381 |
| ND<0.25 U (6/10/2020) | 0.27 (3/23/2015) | (0.25 - 0.27)/(30 - 9) | -0.000952381 |
| ND<0.25 U (9/21/2020) | 0.27 (3/23/2015) | (0.25 - 0.27)/(31 - 9) | -0.000909091 |
| ND<0.25 U (12/17/2020) | 0.27 (3/23/2015) | (0.25 - 0.27)/(32 - 9) | -0.000869565 |
| ND<0.25 U (3/18/2021) | 0.27 (3/23/2015) | (0.25 - 0.27)/(33 - 9) | -0.000833333 |
| 1.37 (5/5/2021) | 0.27 (3/23/2015) | (1.37 - 0.27)/(34 - 9) | 0.044 |
| 0.969 (9/2/2021) | 0.27 (3/23/2015) | (0.969 - 0.27)/(35 - 9) | 0.0268846 |
| ND<0.25 U (11/23/2021) | 0.27 (3/23/2015) | (0.25 - 0.27)/(36 - 9) | -0.000740741 |
| 0.279 (1/10/2022) | 0.27 (3/23/2015) | (0.279 - 0.27)/(37 - 9) | 0.000321429 |
| 0.38 (4/7/2022) | 0.27 (3/23/2015) | (0.38 - 0.27)/(38 - 9) | 0.0037931 |
| 0.702 (8/3/2022) | 0.27 (3/23/2015) | (0.702 - 0.27)/(39 - 9) | 0.0144 |
| ND<0.25 U (11/16/2022) | 0.27 (3/23/2015) | (0.25 - 0.27)/(40 - 9) | -0.000645161 |
| 0.301 (2/13/2023) | 0.27 (3/23/2015) | (0.301 - 0.27)/(41 - 9) | 0.00096875 |
| 0.331 (5/24/2023) | 0.27 (3/23/2015) | (0.331 - 0.27)/(42 - 9) | 0.00184848 |
| 0.291 (8/7/2023) | 0.27 (3/23/2015) | (0.291 - 0.27)/(43 - 9) | 0.000617647 |
| 0.329 (12/12/2023) | 0.27 (3/23/2015) | (0.329 - 0.27)/(44 - 9) | 0.00168571 |
| 0.732 (1/10/2024) | 0.27 (3/23/2015) | (0.732 - 0.27)/(45 - 9) | 0.0128333 |
| ND<0.25 U (5/20/2024) | 0.27 (3/23/2015) | (0.25 - 0.27)/(46 - 9) | -0.000540541 |
| 0.473 (9/16/2024) | 0.27 (3/23/2015) | (0.473 - 0.27)/(47 - 9) | 0.00534211 |
| 0.526 (12/11/2024) | 0.27 (3/23/2015) | (0.526 - 0.27)/(48 - 9) | 0.0065641 |
| ND<0.131 U (2/18/2025) | 0.27 (3/23/2015) | (0.131 - 0.27)/(49 - 9) | -0.003475 |

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|---|---|---|---|
| ND<0.25 U (9/30/2015) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(11 - 10) | 0 |
| 1.47 (11/19/2015) | ND<0.25 U (4/22/2015) | (1.47 - 0.25)/(12 - 10) | 0.61 |
| 0.77 (3/15/2016) | ND<0.25 U (4/22/2015) | (0.77 - 0.25)/(13 - 10) | 0.173333 |
| ND<0.25 U (6/29/2016) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(14 - 10) | 0 |
| 0.27 (8/9/2016) | ND<0.25 U (4/22/2015) | (0.27 - 0.25)/(15 - 10) | 0.004 |
| ND<0.25 U (12/7/2016) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(16 - 10) | 0 |
| 0.53 (3/2/2017) | ND<0.25 U (4/22/2015) | (0.53 - 0.25)/(17 - 10) | 0.04 |
| 0.54 (6/21/2017) | ND<0.25 U (4/22/2015) | (0.54 - 0.25)/(18 - 10) | 0.03625 |
| 0.69 (8/17/2017) | ND<0.25 U (4/22/2015) | (0.69 - 0.25)/(19 - 10) | 0.0488889 |
| ND<0.25 U (10/26/2017) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(20 - 10) | 0 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(21 - 10) | 0 |
| 0.411 (6/26/2018) | ND<0.25 U (4/22/2015) | (0.411 - 0.25)/(22 - 10) | 0.0134167 |
| 0.68 (8/1/2018) | ND<0.25 U (4/22/2015) | (0.68 - 0.25)/(23 - 10) | 0.0330769 |
| 0.579 (12/11/2018) | ND<0.25 U (4/22/2015) | (0.579 - 0.25)/(24 - 10) | 0.0235 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(25 - 10) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (4/22/2015) | (0.486 - 0.25)/(26 - 10) | 0.01475 |
| 1.07 (8/28/2019) | ND<0.25 U (4/22/2015) | (1.07 - 0.25)/(27 - 10) | 0.0482353 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(28 - 10) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(29 - 10) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(30 - 10) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(30 - 10) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(31 - 10) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(32 - 10) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(33 - 10) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (4/22/2015) | (1.37 - 0.25)/(34 - 10) | 0.0466667 |
| 0.969 (9/2/2021) | ND<0.25 U (4/22/2015) | (0.969 - 0.25)/(35 - 10) | 0.02876 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(36 - 10) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (4/22/2015) | (0.279 - 0.25)/(37 - 10) | 0.00107407 |
| 0.38 (4/7/2022) | ND<0.25 U (4/22/2015) | (0.38 - 0.25)/(38 - 10) | 0.00464286 |
| 0.702 (8/3/2022) | ND<0.25 U (4/22/2015) | (0.702 - 0.25)/(39 - 10) | 0.0155862 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(40 - 10) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (4/22/2015) | (0.301 - 0.25)/(41 - 10) | 0.00164516 |
| 0.331 (5/24/2023) | ND<0.25 U (4/22/2015) | (0.331 - 0.25)/(42 - 10) | 0.00253125 |

| | | | |
|---|---|---|---|
| 0.291 (8/7/2023) | ND<0.25 U (4/22/2015) | (0.291 - 0.25)/(43 - 10) | 0.00124242 |
| 0.329 (12/12/2023) | ND<0.25 U (4/22/2015) | (0.329 - 0.25)/(44 - 10) | 0.00232353 |
| 0.732 (1/10/2024) | ND<0.25 U (4/22/2015) | (0.732 - 0.25)/(45 - 10) | 0.0137714 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(46 - 10) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (4/22/2015) | (0.473 - 0.25)/(47 - 10) | 0.00602703 |
| 0.526 (12/11/2024) | ND<0.25 U (4/22/2015) | (0.526 - 0.25)/(48 - 10) | 0.00726316 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (4/22/2015) | (0.131 - 0.25)/(49 - 10) | -0.00305128 |
| | | | |
| 1.47 (11/19/2015) | ND<0.25 U (9/30/2015) | (1.47 - 0.25)/(12 - 11) | 1.22 |
| 0.77 (3/15/2016) | ND<0.25 U (9/30/2015) | (0.77 - 0.25)/(13 - 11) | 0.26 |
| ND<0.25 U (6/29/2016) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(14 - 11) | 0 |
| 0.27 (8/9/2016) | ND<0.25 U (9/30/2015) | (0.27 - 0.25)/(15 - 11) | 0.005 |
| ND<0.25 U (12/7/2016) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(16 - 11) | 0 |
| 0.53 (3/2/2017) | ND<0.25 U (9/30/2015) | (0.53 - 0.25)/(17 - 11) | 0.0466667 |
| 0.54 (6/21/2017) | ND<0.25 U (9/30/2015) | (0.54 - 0.25)/(18 - 11) | 0.0414286 |
| 0.69 (8/17/2017) | ND<0.25 U (9/30/2015) | (0.69 - 0.25)/(19 - 11) | 0.055 |
| ND<0.25 U (10/26/2017) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(20 - 11) | 0 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(21 - 11) | 0 |
| 0.411 (6/26/2018) | ND<0.25 U (9/30/2015) | (0.411 - 0.25)/(22 - 11) | 0.0146364 |
| 0.68 (8/1/2018) | ND<0.25 U (9/30/2015) | (0.68 - 0.25)/(23 - 11) | 0.0358333 |
| 0.579 (12/11/2018) | ND<0.25 U (9/30/2015) | (0.579 - 0.25)/(24 - 11) | 0.0253077 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(25 - 11) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (9/30/2015) | (0.486 - 0.25)/(26 - 11) | 0.0157333 |
| 1.07 (8/28/2019) | ND<0.25 U (9/30/2015) | (1.07 - 0.25)/(27 - 11) | 0.05125 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(28 - 11) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(29 - 11) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(30 - 11) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(30 - 11) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(31 - 11) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(32 - 11) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(33 - 11) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (9/30/2015) | (1.37 - 0.25)/(34 - 11) | 0.0486957 |
| 0.969 (9/2/2021) | ND<0.25 U (9/30/2015) | (0.969 - 0.25)/(35 - 11) | 0.0299583 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(36 - 11) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (9/30/2015) | (0.279 - 0.25)/(37 - 11) | 0.00111538 |
| 0.38 (4/7/2022) | ND<0.25 U (9/30/2015) | (0.38 - 0.25)/(38 - 11) | 0.00481481 |
| 0.702 (8/3/2022) | ND<0.25 U (9/30/2015) | (0.702 - 0.25)/(39 - 11) | 0.0161429 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(40 - 11) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (9/30/2015) | (0.301 - 0.25)/(41 - 11) | 0.0017 |
| 0.331 (5/24/2023) | ND<0.25 U (9/30/2015) | (0.331 - 0.25)/(42 - 11) | 0.0026129 |
| 0.291 (8/7/2023) | ND<0.25 U (9/30/2015) | (0.291 - 0.25)/(43 - 11) | 0.00128125 |
| 0.329 (12/12/2023) | ND<0.25 U (9/30/2015) | (0.329 - 0.25)/(44 - 11) | 0.00239394 |
| 0.732 (1/10/2024) | ND<0.25 U (9/30/2015) | (0.732 - 0.25)/(45 - 11) | 0.0141765 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(46 - 11) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (9/30/2015) | (0.473 - 0.25)/(47 - 11) | 0.00619444 |
| 0.526 (12/11/2024) | ND<0.25 U (9/30/2015) | (0.526 - 0.25)/(48 - 11) | 0.00745946 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (9/30/2015) | (0.131 - 0.25)/(49 - 11) | -0.00313158 |
| | | | |
| 0.77 (3/15/2016) | 1.47 (11/19/2015) | (0.77 - 1.47)/(13 - 12) | -0.7 |
| ND<0.25 U (6/29/2016) | 1.47 (11/19/2015) | (0.25 - 1.47)/(14 - 12) | -0.61 |
| 0.27 (8/9/2016) | 1.47 (11/19/2015) | (0.27 - 1.47)/(15 - 12) | -0.4 |
| ND<0.25 U (12/7/2016) | 1.47 (11/19/2015) | (0.25 - 1.47)/(16 - 12) | -0.305 |
| 0.53 (3/2/2017) | 1.47 (11/19/2015) | (0.53 - 1.47)/(17 - 12) | -0.188 |
| 0.54 (6/21/2017) | 1.47 (11/19/2015) | (0.54 - 1.47)/(18 - 12) | -0.155 |
| 0.69 (8/17/2017) | 1.47 (11/19/2015) | (0.69 - 1.47)/(19 - 12) | -0.111429 |
| ND<0.25 U (10/26/2017) | 1.47 (11/19/2015) | (0.25 - 1.47)/(20 - 12) | -0.1525 |
| ND<0.25 U (3/27/2018) | 1.47 (11/19/2015) | (0.25 - 1.47)/(21 - 12) | -0.135556 |

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|---|---|---|---|
| 0.411 (6/26/2018) | 1.47 (11/19/2015) | (0.411 - 1.47)/(22 - 12) | -0.1059 |
| 0.68 (8/1/2018) | 1.47 (11/19/2015) | (0.68 - 1.47)/(23 - 12) | -0.0718182 |
| 0.579 (12/11/2018) | 1.47 (11/19/2015) | (0.579 - 1.47)/(24 - 12) | -0.07425 |
| ND<0.25 U (4/17/2019) | 1.47 (11/19/2015) | (0.25 - 1.47)/(25 - 12) | -0.0938462 |
| 0.486 (6/11/2019) | 1.47 (11/19/2015) | (0.486 - 1.47)/(26 - 12) | -0.0702857 |
| 1.07 (8/28/2019) | 1.47 (11/19/2015) | (1.07 - 1.47)/(27 - 12) | -0.0266667 |
| ND<0.25 U (10/28/2019) | 1.47 (11/19/2015) | (0.25 - 1.47)/(28 - 12) | -0.07625 |
| ND<0.25 U (3/31/2020) | 1.47 (11/19/2015) | (0.25 - 1.47)/(29 - 12) | -0.0717647 |
| ND<0.25 U (6/10/2020) | 1.47 (11/19/2015) | (0.25 - 1.47)/(30 - 12) | -0.0677778 |
| ND<0.25 U (6/10/2020) | 1.47 (11/19/2015) | (0.25 - 1.47)/(30 - 12) | -0.0677778 |
| ND<0.25 U (9/21/2020) | 1.47 (11/19/2015) | (0.25 - 1.47)/(31 - 12) | -0.0642105 |
| ND<0.25 U (12/17/2020) | 1.47 (11/19/2015) | (0.25 - 1.47)/(32 - 12) | -0.061 |
| ND<0.25 U (3/18/2021) | 1.47 (11/19/2015) | (0.25 - 1.47)/(33 - 12) | -0.0580952 |
| 1.37 (5/5/2021) | 1.47 (11/19/2015) | (1.37 - 1.47)/(34 - 12) | -0.00454545 |
| 0.969 (9/2/2021) | 1.47 (11/19/2015) | (0.969 - 1.47)/(35 - 12) | -0.0217826 |
| ND<0.25 U (11/23/2021) | 1.47 (11/19/2015) | (0.25 - 1.47)/(36 - 12) | -0.0508333 |
| 0.279 (1/10/2022) | 1.47 (11/19/2015) | (0.279 - 1.47)/(37 - 12) | -0.04764 |
| 0.38 (4/7/2022) | 1.47 (11/19/2015) | (0.38 - 1.47)/(38 - 12) | -0.0419231 |
| 0.702 (8/3/2022) | 1.47 (11/19/2015) | (0.702 - 1.47)/(39 - 12) | -0.0284444 |
| ND<0.25 U (11/16/2022) | 1.47 (11/19/2015) | (0.25 - 1.47)/(40 - 12) | -0.0435714 |
| 0.301 (2/13/2023) | 1.47 (11/19/2015) | (0.301 - 1.47)/(41 - 12) | -0.0403103 |
| 0.331 (5/24/2023) | 1.47 (11/19/2015) | (0.331 - 1.47)/(42 - 12) | -0.0379667 |
| 0.291 (8/7/2023) | 1.47 (11/19/2015) | (0.291 - 1.47)/(43 - 12) | -0.0380323 |
| 0.329 (12/12/2023) | 1.47 (11/19/2015) | (0.329 - 1.47)/(44 - 12) | -0.0356563 |
| 0.732 (1/10/2024) | 1.47 (11/19/2015) | (0.732 - 1.47)/(45 - 12) | -0.0223636 |
| ND<0.25 U (5/20/2024) | 1.47 (11/19/2015) | (0.25 - 1.47)/(46 - 12) | -0.0358824 |
| 0.473 (9/16/2024) | 1.47 (11/19/2015) | (0.473 - 1.47)/(47 - 12) | -0.0284857 |
| 0.526 (12/11/2024) | 1.47 (11/19/2015) | (0.526 - 1.47)/(48 - 12) | -0.0262222 |
| ND<0.131 U (2/18/2025) | 1.47 (11/19/2015) | (0.131 - 1.47)/(49 - 12) | -0.0361892 |
| | | | |
| ND<0.25 U (6/29/2016) | 0.77 (3/15/2016) | (0.25 - 0.77)/(14 - 13) | -0.52 |
| 0.27 (8/9/2016) | 0.77 (3/15/2016) | (0.27 - 0.77)/(15 - 13) | -0.25 |
| ND<0.25 U (12/7/2016) | 0.77 (3/15/2016) | (0.25 - 0.77)/(16 - 13) | -0.173333 |
| 0.53 (3/2/2017) | 0.77 (3/15/2016) | (0.53 - 0.77)/(17 - 13) | -0.06 |
| 0.54 (6/21/2017) | 0.77 (3/15/2016) | (0.54 - 0.77)/(18 - 13) | -0.046 |
| 0.69 (8/17/2017) | 0.77 (3/15/2016) | (0.69 - 0.77)/(19 - 13) | -0.0133333 |
| ND<0.25 U (10/26/2017) | 0.77 (3/15/2016) | (0.25 - 0.77)/(20 - 13) | -0.0742857 |
| ND<0.25 U (3/27/2018) | 0.77 (3/15/2016) | (0.25 - 0.77)/(21 - 13) | -0.065 |
| 0.411 (6/26/2018) | 0.77 (3/15/2016) | (0.411 - 0.77)/(22 - 13) | -0.0398889 |
| 0.68 (8/1/2018) | 0.77 (3/15/2016) | (0.68 - 0.77)/(23 - 13) | -0.009 |
| 0.579 (12/11/2018) | 0.77 (3/15/2016) | (0.579 - 0.77)/(24 - 13) | -0.0173636 |
| ND<0.25 U (4/17/2019) | 0.77 (3/15/2016) | (0.25 - 0.77)/(25 - 13) | -0.0433333 |
| 0.486 (6/11/2019) | 0.77 (3/15/2016) | (0.486 - 0.77)/(26 - 13) | -0.0218462 |
| 1.07 (8/28/2019) | 0.77 (3/15/2016) | (1.07 - 0.77)/(27 - 13) | 0.0214286 |
| ND<0.25 U (10/28/2019) | 0.77 (3/15/2016) | (0.25 - 0.77)/(28 - 13) | -0.0346667 |
| ND<0.25 U (3/31/2020) | 0.77 (3/15/2016) | (0.25 - 0.77)/(29 - 13) | -0.0325 |
| ND<0.25 U (6/10/2020) | 0.77 (3/15/2016) | (0.25 - 0.77)/(30 - 13) | -0.0305882 |
| ND<0.25 U (6/10/2020) | 0.77 (3/15/2016) | (0.25 - 0.77)/(30 - 13) | -0.0305882 |
| ND<0.25 U (9/21/2020) | 0.77 (3/15/2016) | (0.25 - 0.77)/(31 - 13) | -0.0288889 |
| ND<0.25 U (12/17/2020) | 0.77 (3/15/2016) | (0.25 - 0.77)/(32 - 13) | -0.0273684 |
| ND<0.25 U (3/18/2021) | 0.77 (3/15/2016) | (0.25 - 0.77)/(33 - 13) | -0.026 |
| 1.37 (5/5/2021) | 0.77 (3/15/2016) | (1.37 - 0.77)/(34 - 13) | 0.0285714 |
| 0.969 (9/2/2021) | 0.77 (3/15/2016) | (0.969 - 0.77)/(35 - 13) | 0.00904545 |
| ND<0.25 U (11/23/2021) | 0.77 (3/15/2016) | (0.25 - 0.77)/(36 - 13) | -0.0226087 |
| 0.279 (1/10/2022) | 0.77 (3/15/2016) | (0.279 - 0.77)/(37 - 13) | -0.0204583 |
| 0.38 (4/7/2022) | 0.77 (3/15/2016) | (0.38 - 0.77)/(38 - 13) | -0.0156 |
| 0.702 (8/3/2022) | 0.77 (3/15/2016) | (0.702 - 0.77)/(39 - 13) | -0.00261538 |

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|---|---|---|---|
| ND<0.25 U (11/16/2022) | 0.77 (3/15/2016) | (0.25 - 0.77)/(40 - 13) | -0.0192593 |
| 0.301 (2/13/2023) | 0.77 (3/15/2016) | (0.301 - 0.77)/(41 - 13) | -0.01675 |
| 0.331 (5/24/2023) | 0.77 (3/15/2016) | (0.331 - 0.77)/(42 - 13) | -0.0151379 |
| 0.291 (8/7/2023) | 0.77 (3/15/2016) | (0.291 - 0.77)/(43 - 13) | -0.0159667 |
| 0.329 (12/12/2023) | 0.77 (3/15/2016) | (0.329 - 0.77)/(44 - 13) | -0.0142258 |
| 0.732 (1/10/2024) | 0.77 (3/15/2016) | (0.732 - 0.77)/(45 - 13) | -0.0011875 |
| ND<0.25 U (5/20/2024) | 0.77 (3/15/2016) | (0.25 - 0.77)/(46 - 13) | -0.0157576 |
| 0.473 (9/16/2024) | 0.77 (3/15/2016) | (0.473 - 0.77)/(47 - 13) | -0.00873529 |
| 0.526 (12/11/2024) | 0.77 (3/15/2016) | (0.526 - 0.77)/(48 - 13) | -0.00697143 |
| ND<0.131 U (2/18/2025) | 0.77 (3/15/2016) | (0.131 - 0.77)/(49 - 13) | -0.01775 |
| | | | |
| 0.27 (8/9/2016) | ND<0.25 U (6/29/2016) | (0.27 - 0.25)/(15 - 14) | 0.02 |
| ND<0.25 U (12/7/2016) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(16 - 14) | 0 |
| 0.53 (3/2/2017) | ND<0.25 U (6/29/2016) | (0.53 - 0.25)/(17 - 14) | 0.0933333 |
| 0.54 (6/21/2017) | ND<0.25 U (6/29/2016) | (0.54 - 0.25)/(18 - 14) | 0.0725 |
| 0.69 (8/17/2017) | ND<0.25 U (6/29/2016) | (0.69 - 0.25)/(19 - 14) | 0.088 |
| ND<0.25 U (10/26/2017) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(20 - 14) | 0 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(21 - 14) | 0 |
| 0.411 (6/26/2018) | ND<0.25 U (6/29/2016) | (0.411 - 0.25)/(22 - 14) | 0.020125 |
| 0.68 (8/1/2018) | ND<0.25 U (6/29/2016) | (0.68 - 0.25)/(23 - 14) | 0.0477778 |
| 0.579 (12/11/2018) | ND<0.25 U (6/29/2016) | (0.579 - 0.25)/(24 - 14) | 0.0329 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(25 - 14) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (6/29/2016) | (0.486 - 0.25)/(26 - 14) | 0.0196667 |
| 1.07 (8/28/2019) | ND<0.25 U (6/29/2016) | (1.07 - 0.25)/(27 - 14) | 0.0630769 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(28 - 14) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(29 - 14) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(30 - 14) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(30 - 14) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(31 - 14) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(32 - 14) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(33 - 14) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (6/29/2016) | (1.37 - 0.25)/(34 - 14) | 0.056 |
| 0.969 (9/2/2021) | ND<0.25 U (6/29/2016) | (0.969 - 0.25)/(35 - 14) | 0.0342381 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(36 - 14) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (6/29/2016) | (0.279 - 0.25)/(37 - 14) | 0.00126087 |
| 0.38 (4/7/2022) | ND<0.25 U (6/29/2016) | (0.38 - 0.25)/(38 - 14) | 0.00541667 |
| 0.702 (8/3/2022) | ND<0.25 U (6/29/2016) | (0.702 - 0.25)/(39 - 14) | 0.01808 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(40 - 14) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (6/29/2016) | (0.301 - 0.25)/(41 - 14) | 0.00188889 |
| 0.331 (5/24/2023) | ND<0.25 U (6/29/2016) | (0.331 - 0.25)/(42 - 14) | 0.00289286 |
| 0.291 (8/7/2023) | ND<0.25 U (6/29/2016) | (0.291 - 0.25)/(43 - 14) | 0.00141379 |
| 0.329 (12/12/2023) | ND<0.25 U (6/29/2016) | (0.329 - 0.25)/(44 - 14) | 0.00263333 |
| 0.732 (1/10/2024) | ND<0.25 U (6/29/2016) | (0.732 - 0.25)/(45 - 14) | 0.0155484 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (6/29/2016) | (0.25 - 0.25)/(46 - 14) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (6/29/2016) | (0.473 - 0.25)/(47 - 14) | 0.00675758 |
| 0.526 (12/11/2024) | ND<0.25 U (6/29/2016) | (0.526 - 0.25)/(48 - 14) | 0.00811765 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (6/29/2016) | (0.131 - 0.25)/(49 - 14) | -0.0034 |
| | | | |
| ND<0.25 U (12/7/2016) | 0.27 (8/9/2016) | (0.25 - 0.27)/(16 - 15) | -0.02 |
| 0.53 (3/2/2017) | 0.27 (8/9/2016) | (0.53 - 0.27)/(17 - 15) | 0.13 |
| 0.54 (6/21/2017) | 0.27 (8/9/2016) | (0.54 - 0.27)/(18 - 15) | 0.09 |
| 0.69 (8/17/2017) | 0.27 (8/9/2016) | (0.69 - 0.27)/(19 - 15) | 0.105 |
| ND<0.25 U (10/26/2017) | 0.27 (8/9/2016) | (0.25 - 0.27)/(20 - 15) | -0.004 |
| ND<0.25 U (3/27/2018) | 0.27 (8/9/2016) | (0.25 - 0.27)/(21 - 15) | -0.00333333 |
| 0.411 (6/26/2018) | 0.27 (8/9/2016) | (0.411 - 0.27)/(22 - 15) | 0.0201429 |
| 0.68 (8/1/2018) | 0.27 (8/9/2016) | (0.68 - 0.27)/(23 - 15) | 0.05125 |
| 0.579 (12/11/2018) | 0.27 (8/9/2016) | (0.579 - 0.27)/(24 - 15) | 0.0343333 |

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|---|---|---|---|
| ND<0.25 U (4/17/2019) | 0.27 (8/9/2016) | (0.25 - 0.27)/(25 - 15) | -0.002 |
| 0.486 (6/11/2019) | 0.27 (8/9/2016) | (0.486 - 0.27)/(26 - 15) | 0.0196364 |
| 1.07 (8/28/2019) | 0.27 (8/9/2016) | (1.07 - 0.27)/(27 - 15) | 0.0666667 |
| ND<0.25 U (10/28/2019) | 0.27 (8/9/2016) | (0.25 - 0.27)/(28 - 15) | -0.00153846 |
| ND<0.25 U (3/31/2020) | 0.27 (8/9/2016) | (0.25 - 0.27)/(29 - 15) | -0.00142857 |
| ND<0.25 U (6/10/2020) | 0.27 (8/9/2016) | (0.25 - 0.27)/(30 - 15) | -0.00133333 |
| ND<0.25 U (6/10/2020) | 0.27 (8/9/2016) | (0.25 - 0.27)/(30 - 15) | -0.00133333 |
| ND<0.25 U (9/21/2020) | 0.27 (8/9/2016) | (0.25 - 0.27)/(31 - 15) | -0.00125 |
| ND<0.25 U (12/17/2020) | 0.27 (8/9/2016) | (0.25 - 0.27)/(32 - 15) | -0.00117647 |
| ND<0.25 U (3/18/2021) | 0.27 (8/9/2016) | (0.25 - 0.27)/(33 - 15) | -0.00111111 |
| 1.37 (5/5/2021) | 0.27 (8/9/2016) | (1.37 - 0.27)/(34 - 15) | 0.0578947 |
| 0.969 (9/2/2021) | 0.27 (8/9/2016) | (0.969 - 0.27)/(35 - 15) | 0.03495 |
| ND<0.25 U (11/23/2021) | 0.27 (8/9/2016) | (0.25 - 0.27)/(36 - 15) | -0.000952381 |
| 0.279 (1/10/2022) | 0.27 (8/9/2016) | (0.279 - 0.27)/(37 - 15) | 0.000409091 |
| 0.38 (4/7/2022) | 0.27 (8/9/2016) | (0.38 - 0.27)/(38 - 15) | 0.00478261 |
| 0.702 (8/3/2022) | 0.27 (8/9/2016) | (0.702 - 0.27)/(39 - 15) | 0.018 |
| ND<0.25 U (11/16/2022) | 0.27 (8/9/2016) | (0.25 - 0.27)/(40 - 15) | -0.0008 |
| 0.301 (2/13/2023) | 0.27 (8/9/2016) | (0.301 - 0.27)/(41 - 15) | 0.00119231 |
| 0.331 (5/24/2023) | 0.27 (8/9/2016) | (0.331 - 0.27)/(42 - 15) | 0.00225926 |
| 0.291 (8/7/2023) | 0.27 (8/9/2016) | (0.291 - 0.27)/(43 - 15) | 0.00075 |
| 0.329 (12/12/2023) | 0.27 (8/9/2016) | (0.329 - 0.27)/(44 - 15) | 0.00203448 |
| 0.732 (1/10/2024) | 0.27 (8/9/2016) | (0.732 - 0.27)/(45 - 15) | 0.0154 |
| ND<0.25 U (5/20/2024) | 0.27 (8/9/2016) | (0.25 - 0.27)/(46 - 15) | -0.000645161 |
| 0.473 (9/16/2024) | 0.27 (8/9/2016) | (0.473 - 0.27)/(47 - 15) | 0.00634375 |
| 0.526 (12/11/2024) | 0.27 (8/9/2016) | (0.526 - 0.27)/(48 - 15) | 0.00775758 |
| ND<0.131 U (2/18/2025) | 0.27 (8/9/2016) | (0.131 - 0.27)/(49 - 15) | -0.00408824 |

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|---|---|---|---|
| 0.53 (3/2/2017) | ND<0.25 U (12/7/2016) | (0.53 - 0.25)/(17 - 16) | 0.28 |
| 0.54 (6/21/2017) | ND<0.25 U (12/7/2016) | (0.54 - 0.25)/(18 - 16) | 0.145 |
| 0.69 (8/17/2017) | ND<0.25 U (12/7/2016) | (0.69 - 0.25)/(19 - 16) | 0.146667 |
| ND<0.25 U (10/26/2017) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(20 - 16) | 0 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(21 - 16) | 0 |
| 0.411 (6/26/2018) | ND<0.25 U (12/7/2016) | (0.411 - 0.25)/(22 - 16) | 0.0268333 |
| 0.68 (8/1/2018) | ND<0.25 U (12/7/2016) | (0.68 - 0.25)/(23 - 16) | 0.0614286 |
| 0.579 (12/11/2018) | ND<0.25 U (12/7/2016) | (0.579 - 0.25)/(24 - 16) | 0.041125 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(25 - 16) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (12/7/2016) | (0.486 - 0.25)/(26 - 16) | 0.0236 |
| 1.07 (8/28/2019) | ND<0.25 U (12/7/2016) | (1.07 - 0.25)/(27 - 16) | 0.0745455 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(28 - 16) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(29 - 16) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(30 - 16) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(30 - 16) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(31 - 16) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(32 - 16) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(33 - 16) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (12/7/2016) | (1.37 - 0.25)/(34 - 16) | 0.0622222 |
| 0.969 (9/2/2021) | ND<0.25 U (12/7/2016) | (0.969 - 0.25)/(35 - 16) | 0.0378421 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(36 - 16) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (12/7/2016) | (0.279 - 0.25)/(37 - 16) | 0.00138095 |
| 0.38 (4/7/2022) | ND<0.25 U (12/7/2016) | (0.38 - 0.25)/(38 - 16) | 0.00590909 |
| 0.702 (8/3/2022) | ND<0.25 U (12/7/2016) | (0.702 - 0.25)/(39 - 16) | 0.0196522 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(40 - 16) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (12/7/2016) | (0.301 - 0.25)/(41 - 16) | 0.00204 |
| 0.331 (5/24/2023) | ND<0.25 U (12/7/2016) | (0.331 - 0.25)/(42 - 16) | 0.00311538 |
| 0.291 (8/7/2023) | ND<0.25 U (12/7/2016) | (0.291 - 0.25)/(43 - 16) | 0.00151852 |
| 0.329 (12/12/2023) | ND<0.25 U (12/7/2016) | (0.329 - 0.25)/(44 - 16) | 0.00282143 |
| 0.732 (1/10/2024) | ND<0.25 U (12/7/2016) | (0.732 - 0.25)/(45 - 16) | 0.0166207 |

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|---|---|---|---|
| ND<0.25 U (5/20/2024) | ND<0.25 U (12/7/2016) | (0.25 - 0.25)/(46 - 16) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (12/7/2016) | (0.473 - 0.25)/(47 - 16) | 0.00719355 |
| 0.526 (12/11/2024) | ND<0.25 U (12/7/2016) | (0.526 - 0.25)/(48 - 16) | 0.008625 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (12/7/2016) | (0.131 - 0.25)/(49 - 16) | -0.00360606 |
| | | | |
| 0.54 (6/21/2017) | 0.53 (3/2/2017) | (0.54 - 0.53)/(18 - 17) | 0.01 |
| 0.69 (8/17/2017) | 0.53 (3/2/2017) | (0.69 - 0.53)/(19 - 17) | 0.08 |
| ND<0.25 U (10/26/2017) | 0.53 (3/2/2017) | (0.25 - 0.53)/(20 - 17) | -0.0933333 |
| ND<0.25 U (3/27/2018) | 0.53 (3/2/2017) | (0.25 - 0.53)/(21 - 17) | -0.07 |
| 0.411 (6/26/2018) | 0.53 (3/2/2017) | (0.411 - 0.53)/(22 - 17) | -0.0238 |
| 0.68 (8/1/2018) | 0.53 (3/2/2017) | (0.68 - 0.53)/(23 - 17) | 0.025 |
| 0.579 (12/11/2018) | 0.53 (3/2/2017) | (0.579 - 0.53)/(24 - 17) | 0.007 |
| ND<0.25 U (4/17/2019) | 0.53 (3/2/2017) | (0.25 - 0.53)/(25 - 17) | -0.035 |
| 0.486 (6/11/2019) | 0.53 (3/2/2017) | (0.486 - 0.53)/(26 - 17) | -0.00488889 |
| 1.07 (8/28/2019) | 0.53 (3/2/2017) | (1.07 - 0.53)/(27 - 17) | 0.054 |
| ND<0.25 U (10/28/2019) | 0.53 (3/2/2017) | (0.25 - 0.53)/(28 - 17) | -0.0254545 |
| ND<0.25 U (3/31/2020) | 0.53 (3/2/2017) | (0.25 - 0.53)/(29 - 17) | -0.0233333 |
| ND<0.25 U (6/10/2020) | 0.53 (3/2/2017) | (0.25 - 0.53)/(30 - 17) | -0.0215385 |
| ND<0.25 U (6/10/2020) | 0.53 (3/2/2017) | (0.25 - 0.53)/(30 - 17) | -0.0215385 |
| ND<0.25 U (9/21/2020) | 0.53 (3/2/2017) | (0.25 - 0.53)/(31 - 17) | -0.02 |
| ND<0.25 U (12/17/2020) | 0.53 (3/2/2017) | (0.25 - 0.53)/(32 - 17) | -0.0186667 |
| ND<0.25 U (3/18/2021) | 0.53 (3/2/2017) | (0.25 - 0.53)/(33 - 17) | -0.0175 |
| 1.37 (5/5/2021) | 0.53 (3/2/2017) | (1.37 - 0.53)/(34 - 17) | 0.0494118 |
| 0.969 (9/2/2021) | 0.53 (3/2/2017) | (0.969 - 0.53)/(35 - 17) | 0.0243889 |
| ND<0.25 U (11/23/2021) | 0.53 (3/2/2017) | (0.25 - 0.53)/(36 - 17) | -0.0147368 |
| 0.279 (1/10/2022) | 0.53 (3/2/2017) | (0.279 - 0.53)/(37 - 17) | -0.01255 |
| 0.38 (4/7/2022) | 0.53 (3/2/2017) | (0.38 - 0.53)/(38 - 17) | -0.00714286 |
| 0.702 (8/3/2022) | 0.53 (3/2/2017) | (0.702 - 0.53)/(39 - 17) | 0.00781818 |
| ND<0.25 U (11/16/2022) | 0.53 (3/2/2017) | (0.25 - 0.53)/(40 - 17) | -0.0121739 |
| 0.301 (2/13/2023) | 0.53 (3/2/2017) | (0.301 - 0.53)/(41 - 17) | -0.00954167 |
| 0.331 (5/24/2023) | 0.53 (3/2/2017) | (0.331 - 0.53)/(42 - 17) | -0.00796 |
| 0.291 (8/7/2023) | 0.53 (3/2/2017) | (0.291 - 0.53)/(43 - 17) | -0.00919231 |
| 0.329 (12/12/2023) | 0.53 (3/2/2017) | (0.329 - 0.53)/(44 - 17) | -0.00744444 |
| 0.732 (1/10/2024) | 0.53 (3/2/2017) | (0.732 - 0.53)/(45 - 17) | 0.00721429 |
| ND<0.25 U (5/20/2024) | 0.53 (3/2/2017) | (0.25 - 0.53)/(46 - 17) | -0.00965517 |
| 0.473 (9/16/2024) | 0.53 (3/2/2017) | (0.473 - 0.53)/(47 - 17) | -0.0019 |
| 0.526 (12/11/2024) | 0.53 (3/2/2017) | (0.526 - 0.53)/(48 - 17) | -0.000129032 |
| ND<0.131 U (2/18/2025) | 0.53 (3/2/2017) | (0.131 - 0.53)/(49 - 17) | -0.0124688 |
| | | | |
| 0.69 (8/17/2017) | 0.54 (6/21/2017) | (0.69 - 0.54)/(19 - 18) | 0.15 |
| ND<0.25 U (10/26/2017) | 0.54 (6/21/2017) | (0.25 - 0.54)/(20 - 18) | -0.145 |
| ND<0.25 U (3/27/2018) | 0.54 (6/21/2017) | (0.25 - 0.54)/(21 - 18) | -0.0966667 |
| 0.411 (6/26/2018) | 0.54 (6/21/2017) | (0.411 - 0.54)/(22 - 18) | -0.03225 |
| 0.68 (8/1/2018) | 0.54 (6/21/2017) | (0.68 - 0.54)/(23 - 18) | 0.028 |
| 0.579 (12/11/2018) | 0.54 (6/21/2017) | (0.579 - 0.54)/(24 - 18) | 0.0065 |
| ND<0.25 U (4/17/2019) | 0.54 (6/21/2017) | (0.25 - 0.54)/(25 - 18) | -0.0414286 |
| 0.486 (6/11/2019) | 0.54 (6/21/2017) | (0.486 - 0.54)/(26 - 18) | -0.00675 |
| 1.07 (8/28/2019) | 0.54 (6/21/2017) | (1.07 - 0.54)/(27 - 18) | 0.0588889 |
| ND<0.25 U (10/28/2019) | 0.54 (6/21/2017) | (0.25 - 0.54)/(28 - 18) | -0.029 |
| ND<0.25 U (3/31/2020) | 0.54 (6/21/2017) | (0.25 - 0.54)/(29 - 18) | -0.0263636 |
| ND<0.25 U (6/10/2020) | 0.54 (6/21/2017) | (0.25 - 0.54)/(30 - 18) | -0.0241667 |
| ND<0.25 U (6/10/2020) | 0.54 (6/21/2017) | (0.25 - 0.54)/(30 - 18) | -0.0241667 |
| ND<0.25 U (9/21/2020) | 0.54 (6/21/2017) | (0.25 - 0.54)/(31 - 18) | -0.0223077 |
| ND<0.25 U (12/17/2020) | 0.54 (6/21/2017) | (0.25 - 0.54)/(32 - 18) | -0.0207143 |
| ND<0.25 U (3/18/2021) | 0.54 (6/21/2017) | (0.25 - 0.54)/(33 - 18) | -0.0193333 |
| 1.37 (5/5/2021) | 0.54 (6/21/2017) | (1.37 - 0.54)/(34 - 18) | 0.051875 |
| 0.969 (9/2/2021) | 0.54 (6/21/2017) | (0.969 - 0.54)/(35 - 18) | 0.0252353 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.54 (6/21/2017) | (0.25 - 0.54)/(36 - 18) | -0.0161111 |
| 0.279 (1/10/2022) | 0.54 (6/21/2017) | (0.279 - 0.54)/(37 - 18) | -0.0137368 |
| 0.38 (4/7/2022) | 0.54 (6/21/2017) | (0.38 - 0.54)/(38 - 18) | -0.008 |
| 0.702 (8/3/2022) | 0.54 (6/21/2017) | (0.702 - 0.54)/(39 - 18) | 0.00771429 |
| ND<0.25 U (11/16/2022) | 0.54 (6/21/2017) | (0.25 - 0.54)/(40 - 18) | -0.0131818 |
| 0.301 (2/13/2023) | 0.54 (6/21/2017) | (0.301 - 0.54)/(41 - 18) | -0.0103913 |
| 0.331 (5/24/2023) | 0.54 (6/21/2017) | (0.331 - 0.54)/(42 - 18) | -0.00870833 |
| 0.291 (8/7/2023) | 0.54 (6/21/2017) | (0.291 - 0.54)/(43 - 18) | -0.00996 |
| 0.329 (12/12/2023) | 0.54 (6/21/2017) | (0.329 - 0.54)/(44 - 18) | -0.00811538 |
| 0.732 (1/10/2024) | 0.54 (6/21/2017) | (0.732 - 0.54)/(45 - 18) | 0.00711111 |
| ND<0.25 U (5/20/2024) | 0.54 (6/21/2017) | (0.25 - 0.54)/(46 - 18) | -0.0103571 |
| 0.473 (9/16/2024) | 0.54 (6/21/2017) | (0.473 - 0.54)/(47 - 18) | -0.00231034 |
| 0.526 (12/11/2024) | 0.54 (6/21/2017) | (0.526 - 0.54)/(48 - 18) | -0.000466667 |
| ND<0.131 U (2/18/2025) | 0.54 (6/21/2017) | (0.131 - 0.54)/(49 - 18) | -0.0131935 |
| | | | |
| ND<0.25 U (10/26/2017) | 0.69 (8/17/2017) | (0.25 - 0.69)/(20 - 19) | -0.44 |
| ND<0.25 U (3/27/2018) | 0.69 (8/17/2017) | (0.25 - 0.69)/(21 - 19) | -0.22 |
| 0.411 (6/26/2018) | 0.69 (8/17/2017) | (0.411 - 0.69)/(22 - 19) | -0.093 |
| 0.68 (8/1/2018) | 0.69 (8/17/2017) | (0.68 - 0.69)/(23 - 19) | -0.0025 |
| 0.579 (12/11/2018) | 0.69 (8/17/2017) | (0.579 - 0.69)/(24 - 19) | -0.0222 |
| ND<0.25 U (4/17/2019) | 0.69 (8/17/2017) | (0.25 - 0.69)/(25 - 19) | -0.0733333 |
| 0.486 (6/11/2019) | 0.69 (8/17/2017) | (0.486 - 0.69)/(26 - 19) | -0.0291429 |
| 1.07 (8/28/2019) | 0.69 (8/17/2017) | (1.07 - 0.69)/(27 - 19) | 0.0475 |
| ND<0.25 U (10/28/2019) | 0.69 (8/17/2017) | (0.25 - 0.69)/(28 - 19) | -0.0488889 |
| ND<0.25 U (3/31/2020) | 0.69 (8/17/2017) | (0.25 - 0.69)/(29 - 19) | -0.044 |
| ND<0.25 U (6/10/2020) | 0.69 (8/17/2017) | (0.25 - 0.69)/(30 - 19) | -0.04 |
| ND<0.25 U (6/10/2020) | 0.69 (8/17/2017) | (0.25 - 0.69)/(30 - 19) | -0.04 |
| ND<0.25 U (9/21/2020) | 0.69 (8/17/2017) | (0.25 - 0.69)/(31 - 19) | -0.0366667 |
| ND<0.25 U (12/17/2020) | 0.69 (8/17/2017) | (0.25 - 0.69)/(32 - 19) | -0.0338462 |
| ND<0.25 U (3/18/2021) | 0.69 (8/17/2017) | (0.25 - 0.69)/(33 - 19) | -0.0314286 |
| 1.37 (5/5/2021) | 0.69 (8/17/2017) | (1.37 - 0.69)/(34 - 19) | 0.0453333 |
| 0.969 (9/2/2021) | 0.69 (8/17/2017) | (0.969 - 0.69)/(35 - 19) | 0.0174375 |
| ND<0.25 U (11/23/2021) | 0.69 (8/17/2017) | (0.25 - 0.69)/(36 - 19) | -0.0258824 |
| 0.279 (1/10/2022) | 0.69 (8/17/2017) | (0.279 - 0.69)/(37 - 19) | -0.0228333 |
| 0.38 (4/7/2022) | 0.69 (8/17/2017) | (0.38 - 0.69)/(38 - 19) | -0.0163158 |
| 0.702 (8/3/2022) | 0.69 (8/17/2017) | (0.702 - 0.69)/(39 - 19) | 0.0006 |
| ND<0.25 U (11/16/2022) | 0.69 (8/17/2017) | (0.25 - 0.69)/(40 - 19) | -0.0209524 |
| 0.301 (2/13/2023) | 0.69 (8/17/2017) | (0.301 - 0.69)/(41 - 19) | -0.0176818 |
| 0.331 (5/24/2023) | 0.69 (8/17/2017) | (0.331 - 0.69)/(42 - 19) | -0.0156087 |
| 0.291 (8/7/2023) | 0.69 (8/17/2017) | (0.291 - 0.69)/(43 - 19) | -0.016625 |
| 0.329 (12/12/2023) | 0.69 (8/17/2017) | (0.329 - 0.69)/(44 - 19) | -0.01444 |
| 0.732 (1/10/2024) | 0.69 (8/17/2017) | (0.732 - 0.69)/(45 - 19) | 0.00161538 |
| ND<0.25 U (5/20/2024) | 0.69 (8/17/2017) | (0.25 - 0.69)/(46 - 19) | -0.0162963 |
| 0.473 (9/16/2024) | 0.69 (8/17/2017) | (0.473 - 0.69)/(47 - 19) | -0.00775 |
| 0.526 (12/11/2024) | 0.69 (8/17/2017) | (0.526 - 0.69)/(48 - 19) | -0.00565517 |
| ND<0.131 U (2/18/2025) | 0.69 (8/17/2017) | (0.131 - 0.69)/(49 - 19) | -0.0186333 |
| | | | |
| ND<0.25 U (3/27/2018) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(21 - 20) | 0 |
| 0.411 (6/26/2018) | ND<0.25 U (10/26/2017) | (0.411 - 0.25)/(22 - 20) | 0.0805 |
| 0.68 (8/1/2018) | ND<0.25 U (10/26/2017) | (0.68 - 0.25)/(23 - 20) | 0.143333 |
| 0.579 (12/11/2018) | ND<0.25 U (10/26/2017) | (0.579 - 0.25)/(24 - 20) | 0.08225 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(25 - 20) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (10/26/2017) | (0.486 - 0.25)/(26 - 20) | 0.0393333 |
| 1.07 (8/28/2019) | ND<0.25 U (10/26/2017) | (1.07 - 0.25)/(27 - 20) | 0.117143 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(28 - 20) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(29 - 20) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(30 - 20) | 0 |

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|---|---|---|---|
| ND<0.25 U (6/10/2020) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(30 - 20) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(31 - 20) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(32 - 20) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(33 - 20) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (10/26/2017) | (1.37 - 0.25)/(34 - 20) | 0.08 |
| 0.969 (9/2/2021) | ND<0.25 U (10/26/2017) | (0.969 - 0.25)/(35 - 20) | 0.0479333 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(36 - 20) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (10/26/2017) | (0.279 - 0.25)/(37 - 20) | 0.00170588 |
| 0.38 (4/7/2022) | ND<0.25 U (10/26/2017) | (0.38 - 0.25)/(38 - 20) | 0.00722222 |
| 0.702 (8/3/2022) | ND<0.25 U (10/26/2017) | (0.702 - 0.25)/(39 - 20) | 0.0237895 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(40 - 20) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (10/26/2017) | (0.301 - 0.25)/(41 - 20) | 0.00242857 |
| 0.331 (5/24/2023) | ND<0.25 U (10/26/2017) | (0.331 - 0.25)/(42 - 20) | 0.00368182 |
| 0.291 (8/7/2023) | ND<0.25 U (10/26/2017) | (0.291 - 0.25)/(43 - 20) | 0.00178261 |
| 0.329 (12/12/2023) | ND<0.25 U (10/26/2017) | (0.329 - 0.25)/(44 - 20) | 0.00329167 |
| 0.732 (1/10/2024) | ND<0.25 U (10/26/2017) | (0.732 - 0.25)/(45 - 20) | 0.01928 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (10/26/2017) | (0.25 - 0.25)/(46 - 20) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (10/26/2017) | (0.473 - 0.25)/(47 - 20) | 0.00825926 |
| 0.526 (12/11/2024) | ND<0.25 U (10/26/2017) | (0.526 - 0.25)/(48 - 20) | 0.00985714 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (10/26/2017) | (0.131 - 0.25)/(49 - 20) | -0.00410345 |
| | | | |
| 0.411 (6/26/2018) | ND<0.25 U (3/27/2018) | (0.411 - 0.25)/(22 - 21) | 0.161 |
| 0.68 (8/1/2018) | ND<0.25 U (3/27/2018) | (0.68 - 0.25)/(23 - 21) | 0.215 |
| 0.579 (12/11/2018) | ND<0.25 U (3/27/2018) | (0.579 - 0.25)/(24 - 21) | 0.109667 |
| ND<0.25 U (4/17/2019) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(25 - 21) | 0 |
| 0.486 (6/11/2019) | ND<0.25 U (3/27/2018) | (0.486 - 0.25)/(26 - 21) | 0.0472 |
| 1.07 (8/28/2019) | ND<0.25 U (3/27/2018) | (1.07 - 0.25)/(27 - 21) | 0.136667 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(28 - 21) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(29 - 21) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(30 - 21) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(30 - 21) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(31 - 21) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(32 - 21) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(33 - 21) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (3/27/2018) | (1.37 - 0.25)/(34 - 21) | 0.0861538 |
| 0.969 (9/2/2021) | ND<0.25 U (3/27/2018) | (0.969 - 0.25)/(35 - 21) | 0.0513571 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(36 - 21) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (3/27/2018) | (0.279 - 0.25)/(37 - 21) | 0.0018125 |
| 0.38 (4/7/2022) | ND<0.25 U (3/27/2018) | (0.38 - 0.25)/(38 - 21) | 0.00764706 |
| 0.702 (8/3/2022) | ND<0.25 U (3/27/2018) | (0.702 - 0.25)/(39 - 21) | 0.0251111 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(40 - 21) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (3/27/2018) | (0.301 - 0.25)/(41 - 21) | 0.00255 |
| 0.331 (5/24/2023) | ND<0.25 U (3/27/2018) | (0.331 - 0.25)/(42 - 21) | 0.00385714 |
| 0.291 (8/7/2023) | ND<0.25 U (3/27/2018) | (0.291 - 0.25)/(43 - 21) | 0.00186364 |
| 0.329 (12/12/2023) | ND<0.25 U (3/27/2018) | (0.329 - 0.25)/(44 - 21) | 0.00343478 |
| 0.732 (1/10/2024) | ND<0.25 U (3/27/2018) | (0.732 - 0.25)/(45 - 21) | 0.0200833 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(46 - 21) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (3/27/2018) | (0.473 - 0.25)/(47 - 21) | 0.00857692 |
| 0.526 (12/11/2024) | ND<0.25 U (3/27/2018) | (0.526 - 0.25)/(48 - 21) | 0.0102222 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (3/27/2018) | (0.131 - 0.25)/(49 - 21) | -0.00425 |
| | | | |
| 0.68 (8/1/2018) | 0.411 (6/26/2018) | (0.68 - 0.411)/(23 - 22) | 0.269 |
| 0.579 (12/11/2018) | 0.411 (6/26/2018) | (0.579 - 0.411)/(24 - 22) | 0.084 |
| ND<0.25 U (4/17/2019) | 0.411 (6/26/2018) | (0.25 - 0.411)/(25 - 22) | -0.0536667 |
| 0.486 (6/11/2019) | 0.411 (6/26/2018) | (0.486 - 0.411)/(26 - 22) | 0.01875 |
| 1.07 (8/28/2019) | 0.411 (6/26/2018) | (1.07 - 0.411)/(27 - 22) | 0.1318 |
| ND<0.25 U (10/28/2019) | 0.411 (6/26/2018) | (0.25 - 0.411)/(28 - 22) | -0.0268333 |

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|---|---|---|---|
| ND<0.25 U (3/31/2020) | 0.411 (6/26/2018) | (0.25 - 0.411)/(29 - 22) | -0.023 |
| ND<0.25 U (6/10/2020) | 0.411 (6/26/2018) | (0.25 - 0.411)/(30 - 22) | -0.020125 |
| ND<0.25 U (6/10/2020) | 0.411 (6/26/2018) | (0.25 - 0.411)/(30 - 22) | -0.020125 |
| ND<0.25 U (9/21/2020) | 0.411 (6/26/2018) | (0.25 - 0.411)/(31 - 22) | -0.0178889 |
| ND<0.25 U (12/17/2020) | 0.411 (6/26/2018) | (0.25 - 0.411)/(32 - 22) | -0.0161 |
| ND<0.25 U (3/18/2021) | 0.411 (6/26/2018) | (0.25 - 0.411)/(33 - 22) | -0.0146364 |
| 1.37 (5/5/2021) | 0.411 (6/26/2018) | (1.37 - 0.411)/(34 - 22) | 0.0799167 |
| 0.969 (9/2/2021) | 0.411 (6/26/2018) | (0.969 - 0.411)/(35 - 22) | 0.0429231 |
| ND<0.25 U (11/23/2021) | 0.411 (6/26/2018) | (0.25 - 0.411)/(36 - 22) | -0.0115 |
| 0.279 (1/10/2022) | 0.411 (6/26/2018) | (0.279 - 0.411)/(37 - 22) | -0.0088 |
| 0.38 (4/7/2022) | 0.411 (6/26/2018) | (0.38 - 0.411)/(38 - 22) | -0.0019375 |
| 0.702 (8/3/2022) | 0.411 (6/26/2018) | (0.702 - 0.411)/(39 - 22) | 0.0171176 |
| ND<0.25 U (11/16/2022) | 0.411 (6/26/2018) | (0.25 - 0.411)/(40 - 22) | -0.00894444 |
| 0.301 (2/13/2023) | 0.411 (6/26/2018) | (0.301 - 0.411)/(41 - 22) | -0.00578947 |
| 0.331 (5/24/2023) | 0.411 (6/26/2018) | (0.331 - 0.411)/(42 - 22) | -0.004 |
| 0.291 (8/7/2023) | 0.411 (6/26/2018) | (0.291 - 0.411)/(43 - 22) | -0.00571429 |
| 0.329 (12/12/2023) | 0.411 (6/26/2018) | (0.329 - 0.411)/(44 - 22) | -0.00372727 |
| 0.732 (1/10/2024) | 0.411 (6/26/2018) | (0.732 - 0.411)/(45 - 22) | 0.0139565 |
| ND<0.25 U (5/20/2024) | 0.411 (6/26/2018) | (0.25 - 0.411)/(46 - 22) | -0.00670833 |
| 0.473 (9/16/2024) | 0.411 (6/26/2018) | (0.473 - 0.411)/(47 - 22) | 0.00248 |
| 0.526 (12/11/2024) | 0.411 (6/26/2018) | (0.526 - 0.411)/(48 - 22) | 0.00442308 |
| ND<0.131 U (2/18/2025) | 0.411 (6/26/2018) | (0.131 - 0.411)/(49 - 22) | -0.0103704 |
| | | | |
| 0.579 (12/11/2018) | 0.68 (8/1/2018) | (0.579 - 0.68)/(24 - 23) | -0.101 |
| ND<0.25 U (4/17/2019) | 0.68 (8/1/2018) | (0.25 - 0.68)/(25 - 23) | -0.215 |
| 0.486 (6/11/2019) | 0.68 (8/1/2018) | (0.486 - 0.68)/(26 - 23) | -0.0646667 |
| 1.07 (8/28/2019) | 0.68 (8/1/2018) | (1.07 - 0.68)/(27 - 23) | 0.0975 |
| ND<0.25 U (10/28/2019) | 0.68 (8/1/2018) | (0.25 - 0.68)/(28 - 23) | -0.086 |
| ND<0.25 U (3/31/2020) | 0.68 (8/1/2018) | (0.25 - 0.68)/(29 - 23) | -0.0716667 |
| ND<0.25 U (6/10/2020) | 0.68 (8/1/2018) | (0.25 - 0.68)/(30 - 23) | -0.0614286 |
| ND<0.25 U (6/10/2020) | 0.68 (8/1/2018) | (0.25 - 0.68)/(30 - 23) | -0.0614286 |
| ND<0.25 U (9/21/2020) | 0.68 (8/1/2018) | (0.25 - 0.68)/(31 - 23) | -0.05375 |
| ND<0.25 U (12/17/2020) | 0.68 (8/1/2018) | (0.25 - 0.68)/(32 - 23) | -0.0477778 |
| ND<0.25 U (3/18/2021) | 0.68 (8/1/2018) | (0.25 - 0.68)/(33 - 23) | -0.043 |
| 1.37 (5/5/2021) | 0.68 (8/1/2018) | (1.37 - 0.68)/(34 - 23) | 0.0627273 |
| 0.969 (9/2/2021) | 0.68 (8/1/2018) | (0.969 - 0.68)/(35 - 23) | 0.0240833 |
| ND<0.25 U (11/23/2021) | 0.68 (8/1/2018) | (0.25 - 0.68)/(36 - 23) | -0.0330769 |
| 0.279 (1/10/2022) | 0.68 (8/1/2018) | (0.279 - 0.68)/(37 - 23) | -0.0286429 |
| 0.38 (4/7/2022) | 0.68 (8/1/2018) | (0.38 - 0.68)/(38 - 23) | -0.02 |
| 0.702 (8/3/2022) | 0.68 (8/1/2018) | (0.702 - 0.68)/(39 - 23) | 0.001375 |
| ND<0.25 U (11/16/2022) | 0.68 (8/1/2018) | (0.25 - 0.68)/(40 - 23) | -0.0252941 |
| 0.301 (2/13/2023) | 0.68 (8/1/2018) | (0.301 - 0.68)/(41 - 23) | -0.0210556 |
| 0.331 (5/24/2023) | 0.68 (8/1/2018) | (0.331 - 0.68)/(42 - 23) | -0.0183684 |
| 0.291 (8/7/2023) | 0.68 (8/1/2018) | (0.291 - 0.68)/(43 - 23) | -0.01945 |
| 0.329 (12/12/2023) | 0.68 (8/1/2018) | (0.329 - 0.68)/(44 - 23) | -0.0167143 |
| 0.732 (1/10/2024) | 0.68 (8/1/2018) | (0.732 - 0.68)/(45 - 23) | 0.00236364 |
| ND<0.25 U (5/20/2024) | 0.68 (8/1/2018) | (0.25 - 0.68)/(46 - 23) | -0.0186957 |
| 0.473 (9/16/2024) | 0.68 (8/1/2018) | (0.473 - 0.68)/(47 - 23) | -0.008625 |
| 0.526 (12/11/2024) | 0.68 (8/1/2018) | (0.526 - 0.68)/(48 - 23) | -0.00616 |
| ND<0.131 U (2/18/2025) | 0.68 (8/1/2018) | (0.131 - 0.68)/(49 - 23) | -0.0211154 |
| | | | |
| ND<0.25 U (4/17/2019) | 0.579 (12/11/2018) | (0.25 - 0.579)/(25 - 24) | -0.329 |
| 0.486 (6/11/2019) | 0.579 (12/11/2018) | (0.486 - 0.579)/(26 - 24) | -0.0465 |
| 1.07 (8/28/2019) | 0.579 (12/11/2018) | (1.07 - 0.579)/(27 - 24) | 0.163667 |
| ND<0.25 U (10/28/2019) | 0.579 (12/11/2018) | (0.25 - 0.579)/(28 - 24) | -0.08225 |
| ND<0.25 U (3/31/2020) | 0.579 (12/11/2018) | (0.25 - 0.579)/(29 - 24) | -0.0658 |
| ND<0.25 U (6/10/2020) | 0.579 (12/11/2018) | (0.25 - 0.579)/(30 - 24) | -0.0548333 |

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|---|---|---|---|
| ND<0.25 U (6/10/2020) | 0.579 (12/11/2018) | (0.25 - 0.579)/(30 - 24) | -0.0548333 |
| ND<0.25 U (9/21/2020) | 0.579 (12/11/2018) | (0.25 - 0.579)/(31 - 24) | -0.047 |
| ND<0.25 U (12/17/2020) | 0.579 (12/11/2018) | (0.25 - 0.579)/(32 - 24) | -0.041125 |
| ND<0.25 U (3/18/2021) | 0.579 (12/11/2018) | (0.25 - 0.579)/(33 - 24) | -0.0365556 |
| 1.37 (5/5/2021) | 0.579 (12/11/2018) | (1.37 - 0.579)/(34 - 24) | 0.0791 |
| 0.969 (9/2/2021) | 0.579 (12/11/2018) | (0.969 - 0.579)/(35 - 24) | 0.0354545 |
| ND<0.25 U (11/23/2021) | 0.579 (12/11/2018) | (0.25 - 0.579)/(36 - 24) | -0.0274167 |
| 0.279 (1/10/2022) | 0.579 (12/11/2018) | (0.279 - 0.579)/(37 - 24) | -0.0230769 |
| 0.38 (4/7/2022) | 0.579 (12/11/2018) | (0.38 - 0.579)/(38 - 24) | -0.0142143 |
| 0.702 (8/3/2022) | 0.579 (12/11/2018) | (0.702 - 0.579)/(39 - 24) | 0.0082 |
| ND<0.25 U (11/16/2022) | 0.579 (12/11/2018) | (0.25 - 0.579)/(40 - 24) | -0.0205625 |
| 0.301 (2/13/2023) | 0.579 (12/11/2018) | (0.301 - 0.579)/(41 - 24) | -0.0163529 |
| 0.331 (5/24/2023) | 0.579 (12/11/2018) | (0.331 - 0.579)/(42 - 24) | -0.0137778 |
| 0.291 (8/7/2023) | 0.579 (12/11/2018) | (0.291 - 0.579)/(43 - 24) | -0.0151579 |
| 0.329 (12/12/2023) | 0.579 (12/11/2018) | (0.329 - 0.579)/(44 - 24) | -0.0125 |
| 0.732 (1/10/2024) | 0.579 (12/11/2018) | (0.732 - 0.579)/(45 - 24) | 0.00728571 |
| ND<0.25 U (5/20/2024) | 0.579 (12/11/2018) | (0.25 - 0.579)/(46 - 24) | -0.0149545 |
| 0.473 (9/16/2024) | 0.579 (12/11/2018) | (0.473 - 0.579)/(47 - 24) | -0.0046087 |
| 0.526 (12/11/2024) | 0.579 (12/11/2018) | (0.526 - 0.579)/(48 - 24) | -0.00220833 |
| ND<0.131 U (2/18/2025) | 0.579 (12/11/2018) | (0.131 - 0.579)/(49 - 24) | -0.01792 |
| | | | |
| 0.486 (6/11/2019) | ND<0.25 U (4/17/2019) | (0.486 - 0.25)/(26 - 25) | 0.236 |
| 1.07 (8/28/2019) | ND<0.25 U (4/17/2019) | (1.07 - 0.25)/(27 - 25) | 0.41 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(28 - 25) | 0 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(29 - 25) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(30 - 25) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(30 - 25) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(31 - 25) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(32 - 25) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(33 - 25) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (4/17/2019) | (1.37 - 0.25)/(34 - 25) | 0.124444 |
| 0.969 (9/2/2021) | ND<0.25 U (4/17/2019) | (0.969 - 0.25)/(35 - 25) | 0.0719 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(36 - 25) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (4/17/2019) | (0.279 - 0.25)/(37 - 25) | 0.00241667 |
| 0.38 (4/7/2022) | ND<0.25 U (4/17/2019) | (0.38 - 0.25)/(38 - 25) | 0.01 |
| 0.702 (8/3/2022) | ND<0.25 U (4/17/2019) | (0.702 - 0.25)/(39 - 25) | 0.0322857 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(40 - 25) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (4/17/2019) | (0.301 - 0.25)/(41 - 25) | 0.0031875 |
| 0.331 (5/24/2023) | ND<0.25 U (4/17/2019) | (0.331 - 0.25)/(42 - 25) | 0.00476471 |
| 0.291 (8/7/2023) | ND<0.25 U (4/17/2019) | (0.291 - 0.25)/(43 - 25) | 0.00227778 |
| 0.329 (12/12/2023) | ND<0.25 U (4/17/2019) | (0.329 - 0.25)/(44 - 25) | 0.00415789 |
| 0.732 (1/10/2024) | ND<0.25 U (4/17/2019) | (0.732 - 0.25)/(45 - 25) | 0.0241 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (4/17/2019) | (0.25 - 0.25)/(46 - 25) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (4/17/2019) | (0.473 - 0.25)/(47 - 25) | 0.0101364 |
| 0.526 (12/11/2024) | ND<0.25 U (4/17/2019) | (0.526 - 0.25)/(48 - 25) | 0.012 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (4/17/2019) | (0.131 - 0.25)/(49 - 25) | -0.00495833 |
| | | | |
| 1.07 (8/28/2019) | 0.486 (6/11/2019) | (1.07 - 0.486)/(27 - 26) | 0.584 |
| ND<0.25 U (10/28/2019) | 0.486 (6/11/2019) | (0.25 - 0.486)/(28 - 26) | -0.118 |
| ND<0.25 U (3/31/2020) | 0.486 (6/11/2019) | (0.25 - 0.486)/(29 - 26) | -0.0786667 |
| ND<0.25 U (6/10/2020) | 0.486 (6/11/2019) | (0.25 - 0.486)/(30 - 26) | -0.059 |
| ND<0.25 U (6/10/2020) | 0.486 (6/11/2019) | (0.25 - 0.486)/(30 - 26) | -0.059 |
| ND<0.25 U (9/21/2020) | 0.486 (6/11/2019) | (0.25 - 0.486)/(31 - 26) | -0.0472 |
| ND<0.25 U (12/17/2020) | 0.486 (6/11/2019) | (0.25 - 0.486)/(32 - 26) | -0.0393333 |
| ND<0.25 U (3/18/2021) | 0.486 (6/11/2019) | (0.25 - 0.486)/(33 - 26) | -0.0337143 |
| 1.37 (5/5/2021) | 0.486 (6/11/2019) | (1.37 - 0.486)/(34 - 26) | 0.1105 |
| 0.969 (9/2/2021) | 0.486 (6/11/2019) | (0.969 - 0.486)/(35 - 26) | 0.0536667 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.486 (6/11/2019) | (0.25 - 0.486)/(36 - 26) | -0.0236 |
| 0.279 (1/10/2022) | 0.486 (6/11/2019) | (0.279 - 0.486)/(37 - 26) | -0.0188182 |
| 0.38 (4/7/2022) | 0.486 (6/11/2019) | (0.38 - 0.486)/(38 - 26) | -0.00883333 |
| 0.702 (8/3/2022) | 0.486 (6/11/2019) | (0.702 - 0.486)/(39 - 26) | 0.0166154 |
| ND<0.25 U (11/16/2022) | 0.486 (6/11/2019) | (0.25 - 0.486)/(40 - 26) | -0.0168571 |
| 0.301 (2/13/2023) | 0.486 (6/11/2019) | (0.301 - 0.486)/(41 - 26) | -0.0123333 |
| 0.331 (5/24/2023) | 0.486 (6/11/2019) | (0.331 - 0.486)/(42 - 26) | -0.0096875 |
| 0.291 (8/7/2023) | 0.486 (6/11/2019) | (0.291 - 0.486)/(43 - 26) | -0.0114706 |
| 0.329 (12/12/2023) | 0.486 (6/11/2019) | (0.329 - 0.486)/(44 - 26) | -0.00872222 |
| 0.732 (1/10/2024) | 0.486 (6/11/2019) | (0.732 - 0.486)/(45 - 26) | 0.0129474 |
| ND<0.25 U (5/20/2024) | 0.486 (6/11/2019) | (0.25 - 0.486)/(46 - 26) | -0.0118 |
| 0.473 (9/16/2024) | 0.486 (6/11/2019) | (0.473 - 0.486)/(47 - 26) | -0.000619048 |
| 0.526 (12/11/2024) | 0.486 (6/11/2019) | (0.526 - 0.486)/(48 - 26) | 0.00181818 |
| ND<0.131 U (2/18/2025) | 0.486 (6/11/2019) | (0.131 - 0.486)/(49 - 26) | -0.0154348 |
| | | | |
| ND<0.25 U (10/28/2019) | 1.07 (8/28/2019) | (0.25 - 1.07)/(28 - 27) | -0.82 |
| ND<0.25 U (3/31/2020) | 1.07 (8/28/2019) | (0.25 - 1.07)/(29 - 27) | -0.41 |
| ND<0.25 U (6/10/2020) | 1.07 (8/28/2019) | (0.25 - 1.07)/(30 - 27) | -0.273333 |
| ND<0.25 U (6/10/2020) | 1.07 (8/28/2019) | (0.25 - 1.07)/(30 - 27) | -0.273333 |
| ND<0.25 U (9/21/2020) | 1.07 (8/28/2019) | (0.25 - 1.07)/(31 - 27) | -0.205 |
| ND<0.25 U (12/17/2020) | 1.07 (8/28/2019) | (0.25 - 1.07)/(32 - 27) | -0.164 |
| ND<0.25 U (3/18/2021) | 1.07 (8/28/2019) | (0.25 - 1.07)/(33 - 27) | -0.136667 |
| 1.37 (5/5/2021) | 1.07 (8/28/2019) | (1.37 - 1.07)/(34 - 27) | 0.0428571 |
| 0.969 (9/2/2021) | 1.07 (8/28/2019) | (0.969 - 1.07)/(35 - 27) | -0.012625 |
| ND<0.25 U (11/23/2021) | 1.07 (8/28/2019) | (0.25 - 1.07)/(36 - 27) | -0.0911111 |
| 0.279 (1/10/2022) | 1.07 (8/28/2019) | (0.279 - 1.07)/(37 - 27) | -0.0791 |
| 0.38 (4/7/2022) | 1.07 (8/28/2019) | (0.38 - 1.07)/(38 - 27) | -0.0627273 |
| 0.702 (8/3/2022) | 1.07 (8/28/2019) | (0.702 - 1.07)/(39 - 27) | -0.0306667 |
| ND<0.25 U (11/16/2022) | 1.07 (8/28/2019) | (0.25 - 1.07)/(40 - 27) | -0.0630769 |
| 0.301 (2/13/2023) | 1.07 (8/28/2019) | (0.301 - 1.07)/(41 - 27) | -0.0549286 |
| 0.331 (5/24/2023) | 1.07 (8/28/2019) | (0.331 - 1.07)/(42 - 27) | -0.0492667 |
| 0.291 (8/7/2023) | 1.07 (8/28/2019) | (0.291 - 1.07)/(43 - 27) | -0.0486875 |
| 0.329 (12/12/2023) | 1.07 (8/28/2019) | (0.329 - 1.07)/(44 - 27) | -0.0435882 |
| 0.732 (1/10/2024) | 1.07 (8/28/2019) | (0.732 - 1.07)/(45 - 27) | -0.0187778 |
| ND<0.25 U (5/20/2024) | 1.07 (8/28/2019) | (0.25 - 1.07)/(46 - 27) | -0.0431579 |
| 0.473 (9/16/2024) | 1.07 (8/28/2019) | (0.473 - 1.07)/(47 - 27) | -0.02985 |
| 0.526 (12/11/2024) | 1.07 (8/28/2019) | (0.526 - 1.07)/(48 - 27) | -0.0259048 |
| ND<0.131 U (2/18/2025) | 1.07 (8/28/2019) | (0.131 - 1.07)/(49 - 27) | -0.0426818 |
| | | | |
| ND<0.25 U (3/31/2020) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(29 - 28) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(30 - 28) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(30 - 28) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(31 - 28) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(32 - 28) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(33 - 28) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (10/28/2019) | (1.37 - 0.25)/(34 - 28) | 0.186667 |
| 0.969 (9/2/2021) | ND<0.25 U (10/28/2019) | (0.969 - 0.25)/(35 - 28) | 0.102714 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(36 - 28) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (10/28/2019) | (0.279 - 0.25)/(37 - 28) | 0.00322222 |
| 0.38 (4/7/2022) | ND<0.25 U (10/28/2019) | (0.38 - 0.25)/(38 - 28) | 0.013 |
| 0.702 (8/3/2022) | ND<0.25 U (10/28/2019) | (0.702 - 0.25)/(39 - 28) | 0.0410909 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(40 - 28) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (10/28/2019) | (0.301 - 0.25)/(41 - 28) | 0.00392308 |
| 0.331 (5/24/2023) | ND<0.25 U (10/28/2019) | (0.331 - 0.25)/(42 - 28) | 0.00578571 |
| 0.291 (8/7/2023) | ND<0.25 U (10/28/2019) | (0.291 - 0.25)/(43 - 28) | 0.00273333 |
| 0.329 (12/12/2023) | ND<0.25 U (10/28/2019) | (0.329 - 0.25)/(44 - 28) | 0.0049375 |
| 0.732 (1/10/2024) | ND<0.25 U (10/28/2019) | (0.732 - 0.25)/(45 - 28) | 0.0283529 |

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|---|---|---|---|
| ND<0.25 U (5/20/2024) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(46 - 28) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (10/28/2019) | (0.473 - 0.25)/(47 - 28) | 0.0117368 |
| 0.526 (12/11/2024) | ND<0.25 U (10/28/2019) | (0.526 - 0.25)/(48 - 28) | 0.0138 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (10/28/2019) | (0.131 - 0.25)/(49 - 28) | -0.00566667 |
| | | | |
| ND<0.25 U (6/10/2020) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(30 - 29) | 0 |
| ND<0.25 U (6/10/2020) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(30 - 29) | 0 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(31 - 29) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(32 - 29) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(33 - 29) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (3/31/2020) | (1.37 - 0.25)/(34 - 29) | 0.224 |
| 0.969 (9/2/2021) | ND<0.25 U (3/31/2020) | (0.969 - 0.25)/(35 - 29) | 0.119833 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(36 - 29) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (3/31/2020) | (0.279 - 0.25)/(37 - 29) | 0.003625 |
| 0.38 (4/7/2022) | ND<0.25 U (3/31/2020) | (0.38 - 0.25)/(38 - 29) | 0.0144444 |
| 0.702 (8/3/2022) | ND<0.25 U (3/31/2020) | (0.702 - 0.25)/(39 - 29) | 0.0452 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(40 - 29) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (3/31/2020) | (0.301 - 0.25)/(41 - 29) | 0.00425 |
| 0.331 (5/24/2023) | ND<0.25 U (3/31/2020) | (0.331 - 0.25)/(42 - 29) | 0.00623077 |
| 0.291 (8/7/2023) | ND<0.25 U (3/31/2020) | (0.291 - 0.25)/(43 - 29) | 0.00292857 |
| 0.329 (12/12/2023) | ND<0.25 U (3/31/2020) | (0.329 - 0.25)/(44 - 29) | 0.00526667 |
| 0.732 (1/10/2024) | ND<0.25 U (3/31/2020) | (0.732 - 0.25)/(45 - 29) | 0.030125 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(46 - 29) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (3/31/2020) | (0.473 - 0.25)/(47 - 29) | 0.0123889 |
| 0.526 (12/11/2024) | ND<0.25 U (3/31/2020) | (0.526 - 0.25)/(48 - 29) | 0.0145263 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (3/31/2020) | (0.131 - 0.25)/(49 - 29) | -0.00595 |
| | | | |
| ND<0.25 U (6/10/2020) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(30 - 30) | Same Date |
| ND<0.25 U (9/21/2020) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(31 - 30) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(32 - 30) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(33 - 30) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (6/10/2020) | (1.37 - 0.25)/(34 - 30) | 0.28 |
| 0.969 (9/2/2021) | ND<0.25 U (6/10/2020) | (0.969 - 0.25)/(35 - 30) | 0.1438 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(36 - 30) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (6/10/2020) | (0.279 - 0.25)/(37 - 30) | 0.00414286 |
| 0.38 (4/7/2022) | ND<0.25 U (6/10/2020) | (0.38 - 0.25)/(38 - 30) | 0.01625 |
| 0.702 (8/3/2022) | ND<0.25 U (6/10/2020) | (0.702 - 0.25)/(39 - 30) | 0.0502222 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(40 - 30) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (6/10/2020) | (0.301 - 0.25)/(41 - 30) | 0.00463636 |
| 0.331 (5/24/2023) | ND<0.25 U (6/10/2020) | (0.331 - 0.25)/(42 - 30) | 0.00675 |
| 0.291 (8/7/2023) | ND<0.25 U (6/10/2020) | (0.291 - 0.25)/(43 - 30) | 0.00315385 |
| 0.329 (12/12/2023) | ND<0.25 U (6/10/2020) | (0.329 - 0.25)/(44 - 30) | 0.00564286 |
| 0.732 (1/10/2024) | ND<0.25 U (6/10/2020) | (0.732 - 0.25)/(45 - 30) | 0.0321333 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(46 - 30) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (6/10/2020) | (0.473 - 0.25)/(47 - 30) | 0.0131176 |
| 0.526 (12/11/2024) | ND<0.25 U (6/10/2020) | (0.526 - 0.25)/(48 - 30) | 0.0153333 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (6/10/2020) | (0.131 - 0.25)/(49 - 30) | -0.00626316 |
| | | | |
| ND<0.25 U (9/21/2020) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(31 - 30) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(32 - 30) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(33 - 30) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (6/10/2020) | (1.37 - 0.25)/(34 - 30) | 0.28 |
| 0.969 (9/2/2021) | ND<0.25 U (6/10/2020) | (0.969 - 0.25)/(35 - 30) | 0.1438 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(36 - 30) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (6/10/2020) | (0.279 - 0.25)/(37 - 30) | 0.00414286 |
| 0.38 (4/7/2022) | ND<0.25 U (6/10/2020) | (0.38 - 0.25)/(38 - 30) | 0.01625 |
| 0.702 (8/3/2022) | ND<0.25 U (6/10/2020) | (0.702 - 0.25)/(39 - 30) | 0.0502222 |

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|---|---|---|---|
| ND<0.25 U (11/16/2022) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(40 - 30) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (6/10/2020) | (0.301 - 0.25)/(41 - 30) | 0.00463636 |
| 0.331 (5/24/2023) | ND<0.25 U (6/10/2020) | (0.331 - 0.25)/(42 - 30) | 0.00675 |
| 0.291 (8/7/2023) | ND<0.25 U (6/10/2020) | (0.291 - 0.25)/(43 - 30) | 0.00315385 |
| 0.329 (12/12/2023) | ND<0.25 U (6/10/2020) | (0.329 - 0.25)/(44 - 30) | 0.00564286 |
| 0.732 (1/10/2024) | ND<0.25 U (6/10/2020) | (0.732 - 0.25)/(45 - 30) | 0.0321333 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (6/10/2020) | (0.25 - 0.25)/(46 - 30) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (6/10/2020) | (0.473 - 0.25)/(47 - 30) | 0.0131176 |
| 0.526 (12/11/2024) | ND<0.25 U (6/10/2020) | (0.526 - 0.25)/(48 - 30) | 0.0153333 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (6/10/2020) | (0.131 - 0.25)/(49 - 30) | -0.00626316 |
| | | | |
| ND<0.25 U (12/17/2020) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(32 - 31) | 0 |
| ND<0.25 U (3/18/2021) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(33 - 31) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (9/21/2020) | (1.37 - 0.25)/(34 - 31) | 0.373333 |
| 0.969 (9/2/2021) | ND<0.25 U (9/21/2020) | (0.969 - 0.25)/(35 - 31) | 0.17975 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(36 - 31) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (9/21/2020) | (0.279 - 0.25)/(37 - 31) | 0.00483333 |
| 0.38 (4/7/2022) | ND<0.25 U (9/21/2020) | (0.38 - 0.25)/(38 - 31) | 0.0185714 |
| 0.702 (8/3/2022) | ND<0.25 U (9/21/2020) | (0.702 - 0.25)/(39 - 31) | 0.0565 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(40 - 31) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (9/21/2020) | (0.301 - 0.25)/(41 - 31) | 0.0051 |
| 0.331 (5/24/2023) | ND<0.25 U (9/21/2020) | (0.331 - 0.25)/(42 - 31) | 0.00736364 |
| 0.291 (8/7/2023) | ND<0.25 U (9/21/2020) | (0.291 - 0.25)/(43 - 31) | 0.00341667 |
| 0.329 (12/12/2023) | ND<0.25 U (9/21/2020) | (0.329 - 0.25)/(44 - 31) | 0.00607692 |
| 0.732 (1/10/2024) | ND<0.25 U (9/21/2020) | (0.732 - 0.25)/(45 - 31) | 0.0344286 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(46 - 31) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (9/21/2020) | (0.473 - 0.25)/(47 - 31) | 0.0139375 |
| 0.526 (12/11/2024) | ND<0.25 U (9/21/2020) | (0.526 - 0.25)/(48 - 31) | 0.0162353 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (9/21/2020) | (0.131 - 0.25)/(49 - 31) | -0.00661111 |
| | | | |
| ND<0.25 U (3/18/2021) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(33 - 32) | 0 |
| 1.37 (5/5/2021) | ND<0.25 U (12/17/2020) | (1.37 - 0.25)/(34 - 32) | 0.56 |
| 0.969 (9/2/2021) | ND<0.25 U (12/17/2020) | (0.969 - 0.25)/(35 - 32) | 0.239667 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(36 - 32) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (12/17/2020) | (0.279 - 0.25)/(37 - 32) | 0.0058 |
| 0.38 (4/7/2022) | ND<0.25 U (12/17/2020) | (0.38 - 0.25)/(38 - 32) | 0.0216667 |
| 0.702 (8/3/2022) | ND<0.25 U (12/17/2020) | (0.702 - 0.25)/(39 - 32) | 0.0645714 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(40 - 32) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (12/17/2020) | (0.301 - 0.25)/(41 - 32) | 0.00566667 |
| 0.331 (5/24/2023) | ND<0.25 U (12/17/2020) | (0.331 - 0.25)/(42 - 32) | 0.0081 |
| 0.291 (8/7/2023) | ND<0.25 U (12/17/2020) | (0.291 - 0.25)/(43 - 32) | 0.00372727 |
| 0.329 (12/12/2023) | ND<0.25 U (12/17/2020) | (0.329 - 0.25)/(44 - 32) | 0.00658333 |
| 0.732 (1/10/2024) | ND<0.25 U (12/17/2020) | (0.732 - 0.25)/(45 - 32) | 0.0370769 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(46 - 32) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (12/17/2020) | (0.473 - 0.25)/(47 - 32) | 0.0148667 |
| 0.526 (12/11/2024) | ND<0.25 U (12/17/2020) | (0.526 - 0.25)/(48 - 32) | 0.01725 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (12/17/2020) | (0.131 - 0.25)/(49 - 32) | -0.007 |
| | | | |
| 1.37 (5/5/2021) | ND<0.25 U (3/18/2021) | (1.37 - 0.25)/(34 - 33) | 1.12 |
| 0.969 (9/2/2021) | ND<0.25 U (3/18/2021) | (0.969 - 0.25)/(35 - 33) | 0.3595 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/18/2021) | (0.25 - 0.25)/(36 - 33) | 0 |
| 0.279 (1/10/2022) | ND<0.25 U (3/18/2021) | (0.279 - 0.25)/(37 - 33) | 0.00725 |
| 0.38 (4/7/2022) | ND<0.25 U (3/18/2021) | (0.38 - 0.25)/(38 - 33) | 0.026 |
| 0.702 (8/3/2022) | ND<0.25 U (3/18/2021) | (0.702 - 0.25)/(39 - 33) | 0.0753333 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (3/18/2021) | (0.25 - 0.25)/(40 - 33) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (3/18/2021) | (0.301 - 0.25)/(41 - 33) | 0.006375 |
| 0.331 (5/24/2023) | ND<0.25 U (3/18/2021) | (0.331 - 0.25)/(42 - 33) | 0.009 |

| | | | |
|---|---|---|---|
| 0.291 (8/7/2023) | ND<0.25 U (3/18/2021) | (0.291 - 0.25)/(43 - 33) | 0.0041 |
| 0.329 (12/12/2023) | ND<0.25 U (3/18/2021) | (0.329 - 0.25)/(44 - 33) | 0.00718182 |
| 0.732 (1/10/2024) | ND<0.25 U (3/18/2021) | (0.732 - 0.25)/(45 - 33) | 0.0401667 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (3/18/2021) | (0.25 - 0.25)/(46 - 33) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (3/18/2021) | (0.473 - 0.25)/(47 - 33) | 0.0159286 |
| 0.526 (12/11/2024) | ND<0.25 U (3/18/2021) | (0.526 - 0.25)/(48 - 33) | 0.0184 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (3/18/2021) | (0.131 - 0.25)/(49 - 33) | -0.0074375 |
| | | | |
| 0.969 (9/2/2021) | 1.37 (5/5/2021) | (0.969 - 1.37)/(35 - 34) | -0.401 |
| ND<0.25 U (11/23/2021) | 1.37 (5/5/2021) | (0.25 - 1.37)/(36 - 34) | -0.56 |
| 0.279 (1/10/2022) | 1.37 (5/5/2021) | (0.279 - 1.37)/(37 - 34) | -0.363667 |
| 0.38 (4/7/2022) | 1.37 (5/5/2021) | (0.38 - 1.37)/(38 - 34) | -0.2475 |
| 0.702 (8/3/2022) | 1.37 (5/5/2021) | (0.702 - 1.37)/(39 - 34) | -0.1336 |
| ND<0.25 U (11/16/2022) | 1.37 (5/5/2021) | (0.25 - 1.37)/(40 - 34) | -0.186667 |
| 0.301 (2/13/2023) | 1.37 (5/5/2021) | (0.301 - 1.37)/(41 - 34) | -0.152714 |
| 0.331 (5/24/2023) | 1.37 (5/5/2021) | (0.331 - 1.37)/(42 - 34) | -0.129875 |
| 0.291 (8/7/2023) | 1.37 (5/5/2021) | (0.291 - 1.37)/(43 - 34) | -0.119889 |
| 0.329 (12/12/2023) | 1.37 (5/5/2021) | (0.329 - 1.37)/(44 - 34) | -0.1041 |
| 0.732 (1/10/2024) | 1.37 (5/5/2021) | (0.732 - 1.37)/(45 - 34) | -0.058 |
| ND<0.25 U (5/20/2024) | 1.37 (5/5/2021) | (0.25 - 1.37)/(46 - 34) | -0.0933333 |
| 0.473 (9/16/2024) | 1.37 (5/5/2021) | (0.473 - 1.37)/(47 - 34) | -0.069 |
| 0.526 (12/11/2024) | 1.37 (5/5/2021) | (0.526 - 1.37)/(48 - 34) | -0.0602857 |
| ND<0.131 U (2/18/2025) | 1.37 (5/5/2021) | (0.131 - 1.37)/(49 - 34) | -0.0826 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.969 (9/2/2021) | (0.25 - 0.969)/(36 - 35) | -0.719 |
| 0.279 (1/10/2022) | 0.969 (9/2/2021) | (0.279 - 0.969)/(37 - 35) | -0.345 |
| 0.38 (4/7/2022) | 0.969 (9/2/2021) | (0.38 - 0.969)/(38 - 35) | -0.196333 |
| 0.702 (8/3/2022) | 0.969 (9/2/2021) | (0.702 - 0.969)/(39 - 35) | -0.06675 |
| ND<0.25 U (11/16/2022) | 0.969 (9/2/2021) | (0.25 - 0.969)/(40 - 35) | -0.1438 |
| 0.301 (2/13/2023) | 0.969 (9/2/2021) | (0.301 - 0.969)/(41 - 35) | -0.111333 |
| 0.331 (5/24/2023) | 0.969 (9/2/2021) | (0.331 - 0.969)/(42 - 35) | -0.0911429 |
| 0.291 (8/7/2023) | 0.969 (9/2/2021) | (0.291 - 0.969)/(43 - 35) | -0.08475 |
| 0.329 (12/12/2023) | 0.969 (9/2/2021) | (0.329 - 0.969)/(44 - 35) | -0.0711111 |
| 0.732 (1/10/2024) | 0.969 (9/2/2021) | (0.732 - 0.969)/(45 - 35) | -0.0237 |
| ND<0.25 U (5/20/2024) | 0.969 (9/2/2021) | (0.25 - 0.969)/(46 - 35) | -0.0653636 |
| 0.473 (9/16/2024) | 0.969 (9/2/2021) | (0.473 - 0.969)/(47 - 35) | -0.0413333 |
| 0.526 (12/11/2024) | 0.969 (9/2/2021) | (0.526 - 0.969)/(48 - 35) | -0.0340769 |
| ND<0.131 U (2/18/2025) | 0.969 (9/2/2021) | (0.131 - 0.969)/(49 - 35) | -0.0598571 |
| | | | |
| 0.279 (1/10/2022) | ND<0.25 U (11/23/2021) | (0.279 - 0.25)/(37 - 36) | 0.029 |
| 0.38 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.38 - 0.25)/(38 - 36) | 0.065 |
| 0.702 (8/3/2022) | ND<0.25 U (11/23/2021) | (0.702 - 0.25)/(39 - 36) | 0.150667 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (11/23/2021) | (0.25 - 0.25)/(40 - 36) | 0 |
| 0.301 (2/13/2023) | ND<0.25 U (11/23/2021) | (0.301 - 0.25)/(41 - 36) | 0.0102 |
| 0.331 (5/24/2023) | ND<0.25 U (11/23/2021) | (0.331 - 0.25)/(42 - 36) | 0.0135 |
| 0.291 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.291 - 0.25)/(43 - 36) | 0.00585714 |
| 0.329 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.329 - 0.25)/(44 - 36) | 0.009875 |
| 0.732 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.732 - 0.25)/(45 - 36) | 0.0535556 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (11/23/2021) | (0.25 - 0.25)/(46 - 36) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.473 - 0.25)/(47 - 36) | 0.0202727 |
| 0.526 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.526 - 0.25)/(48 - 36) | 0.023 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (11/23/2021) | (0.131 - 0.25)/(49 - 36) | -0.00915385 |
| | | | |
| 0.38 (4/7/2022) | 0.279 (1/10/2022) | (0.38 - 0.279)/(38 - 37) | 0.101 |
| 0.702 (8/3/2022) | 0.279 (1/10/2022) | (0.702 - 0.279)/(39 - 37) | 0.2115 |
| ND<0.25 U (11/16/2022) | 0.279 (1/10/2022) | (0.25 - 0.279)/(40 - 37) | -0.00966667 |
| 0.301 (2/13/2023) | 0.279 (1/10/2022) | (0.301 - 0.279)/(41 - 37) | 0.0055 |

| | | | |
|---|---|---|---|
| 0.331 (5/24/2023) | 0.279 (1/10/2022) | (0.331 - 0.279)/(42 - 37) | 0.0104 |
| 0.291 (8/7/2023) | 0.279 (1/10/2022) | (0.291 - 0.279)/(43 - 37) | 0.002 |
| 0.329 (12/12/2023) | 0.279 (1/10/2022) | (0.329 - 0.279)/(44 - 37) | 0.00714286 |
| 0.732 (1/10/2024) | 0.279 (1/10/2022) | (0.732 - 0.279)/(45 - 37) | 0.056625 |
| ND<0.25 U (5/20/2024) | 0.279 (1/10/2022) | (0.25 - 0.279)/(46 - 37) | -0.00322222 |
| 0.473 (9/16/2024) | 0.279 (1/10/2022) | (0.473 - 0.279)/(47 - 37) | 0.0194 |
| 0.526 (12/11/2024) | 0.279 (1/10/2022) | (0.526 - 0.279)/(48 - 37) | 0.0224545 |
| ND<0.131 U (2/18/2025) | 0.279 (1/10/2022) | (0.131 - 0.279)/(49 - 37) | -0.0123333 |
| | | | |
| 0.702 (8/3/2022) | 0.38 (4/7/2022) | (0.702 - 0.38)/(39 - 38) | 0.322 |
| ND<0.25 U (11/16/2022) | 0.38 (4/7/2022) | (0.25 - 0.38)/(40 - 38) | -0.065 |
| 0.301 (2/13/2023) | 0.38 (4/7/2022) | (0.301 - 0.38)/(41 - 38) | -0.0263333 |
| 0.331 (5/24/2023) | 0.38 (4/7/2022) | (0.331 - 0.38)/(42 - 38) | -0.01225 |
| 0.291 (8/7/2023) | 0.38 (4/7/2022) | (0.291 - 0.38)/(43 - 38) | -0.0178 |
| 0.329 (12/12/2023) | 0.38 (4/7/2022) | (0.329 - 0.38)/(44 - 38) | -0.0085 |
| 0.732 (1/10/2024) | 0.38 (4/7/2022) | (0.732 - 0.38)/(45 - 38) | 0.0502857 |
| ND<0.25 U (5/20/2024) | 0.38 (4/7/2022) | (0.25 - 0.38)/(46 - 38) | -0.01625 |
| 0.473 (9/16/2024) | 0.38 (4/7/2022) | (0.473 - 0.38)/(47 - 38) | 0.0103333 |
| 0.526 (12/11/2024) | 0.38 (4/7/2022) | (0.526 - 0.38)/(48 - 38) | 0.0146 |
| ND<0.131 U (2/18/2025) | 0.38 (4/7/2022) | (0.131 - 0.38)/(49 - 38) | -0.0226364 |
| | | | |
| ND<0.25 U (11/16/2022) | 0.702 (8/3/2022) | (0.25 - 0.702)/(40 - 39) | -0.452 |
| 0.301 (2/13/2023) | 0.702 (8/3/2022) | (0.301 - 0.702)/(41 - 39) | -0.2005 |
| 0.331 (5/24/2023) | 0.702 (8/3/2022) | (0.331 - 0.702)/(42 - 39) | -0.123667 |
| 0.291 (8/7/2023) | 0.702 (8/3/2022) | (0.291 - 0.702)/(43 - 39) | -0.10275 |
| 0.329 (12/12/2023) | 0.702 (8/3/2022) | (0.329 - 0.702)/(44 - 39) | -0.0746 |
| 0.732 (1/10/2024) | 0.702 (8/3/2022) | (0.732 - 0.702)/(45 - 39) | 0.005 |
| ND<0.25 U (5/20/2024) | 0.702 (8/3/2022) | (0.25 - 0.702)/(46 - 39) | -0.0645714 |
| 0.473 (9/16/2024) | 0.702 (8/3/2022) | (0.473 - 0.702)/(47 - 39) | -0.028625 |
| 0.526 (12/11/2024) | 0.702 (8/3/2022) | (0.526 - 0.702)/(48 - 39) | -0.0195556 |
| ND<0.131 U (2/18/2025) | 0.702 (8/3/2022) | (0.131 - 0.702)/(49 - 39) | -0.0571 |
| | | | |
| 0.301 (2/13/2023) | ND<0.25 U (11/16/2022) | (0.301 - 0.25)/(41 - 40) | 0.051 |
| 0.331 (5/24/2023) | ND<0.25 U (11/16/2022) | (0.331 - 0.25)/(42 - 40) | 0.0405 |
| 0.291 (8/7/2023) | ND<0.25 U (11/16/2022) | (0.291 - 0.25)/(43 - 40) | 0.0136667 |
| 0.329 (12/12/2023) | ND<0.25 U (11/16/2022) | (0.329 - 0.25)/(44 - 40) | 0.01975 |
| 0.732 (1/10/2024) | ND<0.25 U (11/16/2022) | (0.732 - 0.25)/(45 - 40) | 0.0964 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (11/16/2022) | (0.25 - 0.25)/(46 - 40) | 0 |
| 0.473 (9/16/2024) | ND<0.25 U (11/16/2022) | (0.473 - 0.25)/(47 - 40) | 0.0318571 |
| 0.526 (12/11/2024) | ND<0.25 U (11/16/2022) | (0.526 - 0.25)/(48 - 40) | 0.0345 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (11/16/2022) | (0.131 - 0.25)/(49 - 40) | -0.0132222 |
| | | | |
| 0.331 (5/24/2023) | 0.301 (2/13/2023) | (0.331 - 0.301)/(42 - 41) | 0.03 |
| 0.291 (8/7/2023) | 0.301 (2/13/2023) | (0.291 - 0.301)/(43 - 41) | -0.005 |
| 0.329 (12/12/2023) | 0.301 (2/13/2023) | (0.329 - 0.301)/(44 - 41) | 0.00933333 |
| 0.732 (1/10/2024) | 0.301 (2/13/2023) | (0.732 - 0.301)/(45 - 41) | 0.10775 |
| ND<0.25 U (5/20/2024) | 0.301 (2/13/2023) | (0.25 - 0.301)/(46 - 41) | -0.0102 |
| 0.473 (9/16/2024) | 0.301 (2/13/2023) | (0.473 - 0.301)/(47 - 41) | 0.0286667 |
| 0.526 (12/11/2024) | 0.301 (2/13/2023) | (0.526 - 0.301)/(48 - 41) | 0.0321429 |
| ND<0.131 U (2/18/2025) | 0.301 (2/13/2023) | (0.131 - 0.301)/(49 - 41) | -0.02125 |
| | | | |
| 0.291 (8/7/2023) | 0.331 (5/24/2023) | (0.291 - 0.331)/(43 - 42) | -0.04 |
| 0.329 (12/12/2023) | 0.331 (5/24/2023) | (0.329 - 0.331)/(44 - 42) | -0.001 |
| 0.732 (1/10/2024) | 0.331 (5/24/2023) | (0.732 - 0.331)/(45 - 42) | 0.133667 |
| ND<0.25 U (5/20/2024) | 0.331 (5/24/2023) | (0.25 - 0.331)/(46 - 42) | -0.02025 |
| 0.473 (9/16/2024) | 0.331 (5/24/2023) | (0.473 - 0.331)/(47 - 42) | 0.0284 |
| 0.526 (12/11/2024) | 0.331 (5/24/2023) | (0.526 - 0.331)/(48 - 42) | 0.0325 |

| | | | |
|---|---|---|---|
| ND<0.131 U (2/18/2025) | 0.331 (5/24/2023) | (0.131 - 0.331)/(49 - 42) | -0.0285714 |
| | | | |
| 0.329 (12/12/2023) | 0.291 (8/7/2023) | (0.329 - 0.291)/(44 - 43) | 0.038 |
| 0.732 (1/10/2024) | 0.291 (8/7/2023) | (0.732 - 0.291)/(45 - 43) | 0.2205 |
| ND<0.25 U (5/20/2024) | 0.291 (8/7/2023) | (0.25 - 0.291)/(46 - 43) | -0.0136667 |
| 0.473 (9/16/2024) | 0.291 (8/7/2023) | (0.473 - 0.291)/(47 - 43) | 0.0455 |
| 0.526 (12/11/2024) | 0.291 (8/7/2023) | (0.526 - 0.291)/(48 - 43) | 0.047 |
| ND<0.131 U (2/18/2025) | 0.291 (8/7/2023) | (0.131 - 0.291)/(49 - 43) | -0.0266667 |
| | | | |
| 0.732 (1/10/2024) | 0.329 (12/12/2023) | (0.732 - 0.329)/(45 - 44) | 0.403 |
| ND<0.25 U (5/20/2024) | 0.329 (12/12/2023) | (0.25 - 0.329)/(46 - 44) | -0.0395 |
| 0.473 (9/16/2024) | 0.329 (12/12/2023) | (0.473 - 0.329)/(47 - 44) | 0.048 |
| 0.526 (12/11/2024) | 0.329 (12/12/2023) | (0.526 - 0.329)/(48 - 44) | 0.04925 |
| ND<0.131 U (2/18/2025) | 0.329 (12/12/2023) | (0.131 - 0.329)/(49 - 44) | -0.0396 |
| | | | |
| ND<0.25 U (5/20/2024) | 0.732 (1/10/2024) | (0.25 - 0.732)/(46 - 45) | -0.482 |
| 0.473 (9/16/2024) | 0.732 (1/10/2024) | (0.473 - 0.732)/(47 - 45) | -0.1295 |
| 0.526 (12/11/2024) | 0.732 (1/10/2024) | (0.526 - 0.732)/(48 - 45) | -0.0686667 |
| ND<0.131 U (2/18/2025) | 0.732 (1/10/2024) | (0.131 - 0.732)/(49 - 45) | -0.15025 |
| | | | |
| 0.473 (9/16/2024) | ND<0.25 U (5/20/2024) | (0.473 - 0.25)/(47 - 46) | 0.223 |
| 0.526 (12/11/2024) | ND<0.25 U (5/20/2024) | (0.526 - 0.25)/(48 - 46) | 0.138 |
| ND<0.131 U (2/18/2025) | ND<0.25 U (5/20/2024) | (0.131 - 0.25)/(49 - 46) | -0.0396667 |
| | | | |
| 0.526 (12/11/2024) | 0.473 (9/16/2024) | (0.526 - 0.473)/(48 - 47) | 0.053 |
| ND<0.131 U (2/18/2025) | 0.473 (9/16/2024) | (0.131 - 0.473)/(49 - 47) | -0.171 |
| | | | |
| ND<0.131 U (2/18/2025) | 0.526 (12/11/2024) | (0.131 - 0.526)/(49 - 48) | -0.395 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.82 |
| 2 | -0.719 |
| 3 | -0.7 |
| 4 | -0.62 |
| 5 | -0.61 |
| 6 | -0.56 |
| 7 | -0.52 |
| 8 | -0.482 |
| 9 | -0.452 |
| 10 | -0.44 |
| 11 | -0.41 |
| 12 | -0.401 |
| 13 | -0.4 |
| 14 | -0.395 |
| 15 | -0.363667 |
| 16 | -0.345 |
| 17 | -0.329 |
| 18 | -0.305 |
| 19 | -0.295 |
| 20 | -0.273333 |
| 21 | -0.273333 |
| 22 | -0.25 |
| 23 | -0.2475 |

| | |
|---|---|
| 24 | -0.24 |
| 25 | -0.23 |
| 26 | -0.22 |
| 27 | -0.215 |
| 28 | -0.205 |
| 29 | -0.2005 |
| 30 | -0.196333 |
| 31 | -0.19 |
| 32 | -0.188 |
| 33 | -0.186667 |
| 34 | -0.173333 |
| 35 | -0.171 |
| 36 | -0.164 |
| 37 | -0.155 |
| 38 | -0.152714 |
| 39 | -0.1525 |
| 40 | -0.15025 |
| 41 | -0.145 |
| 42 | -0.1438 |
| 43 | -0.14 |
| 44 | -0.136667 |
| 45 | -0.135556 |
| 46 | -0.1336 |
| 47 | -0.13 |
| 48 | -0.129875 |
| 49 | -0.1295 |
| 50 | -0.125 |
| 51 | -0.123667 |
| 52 | -0.12 |
| 53 | -0.119889 |
| 54 | -0.118 |
| 55 | -0.1175 |
| 56 | -0.111429 |
| 57 | -0.111333 |
| 58 | -0.1059 |
| 59 | -0.1041 |
| 60 | -0.102857 |
| 61 | -0.10275 |
| 62 | -0.101 |
| 63 | -0.0966667 |
| 64 | -0.0938462 |
| 65 | -0.0933333 |
| 66 | -0.0933333 |
| 67 | -0.093 |
| 68 | -0.0911429 |
| 69 | -0.0911111 |
| 70 | -0.086 |
| 71 | -0.08475 |
| 72 | -0.0833333 |
| 73 | -0.0826 |
| 74 | -0.08225 |
| 75 | -0.0791 |
| 76 | -0.0786667 |
| 77 | -0.07625 |
| 78 | -0.0746 |
| 79 | -0.0742857 |
| 80 | -0.07425 |

| | |
|---|---|
| 81 | -0.0733333 |
| 82 | -0.072 |
| 83 | -0.0718182 |
| 84 | -0.0717647 |
| 85 | -0.0716667 |
| 86 | -0.0711111 |
| 87 | -0.0702857 |
| 88 | -0.07 |
| 89 | -0.07 |
| 90 | -0.069 |
| 91 | -0.0686667 |
| 92 | -0.0677778 |
| 93 | -0.0677778 |
| 94 | -0.06675 |
| 95 | -0.0658 |
| 96 | -0.0653636 |
| 97 | -0.065 |
| 98 | -0.065 |
| 99 | -0.0646667 |
| 100 | -0.0645714 |
| 101 | -0.0642105 |
| 102 | -0.0636364 |
| 103 | -0.0630769 |
| 104 | -0.0627273 |
| 105 | -0.062 |
| 106 | -0.0614286 |
| 107 | -0.0614286 |
| 108 | -0.061 |
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| 855 | 0.00571429 |
| 856 | 0.00578571 |
| 857 | 0.0058 |
| 858 | 0.00585714 |
| 859 | 0.00590909 |
| 860 | 0.00602703 |
| 861 | 0.00607692 |
| 862 | 0.00619444 |
| 863 | 0.00623077 |
| 864 | 0.00627027 |
| 865 | 0.00634375 |
| 866 | 0.006375 |
| 867 | 0.00647619 |
| 868 | 0.0065 |
| 869 | 0.00651613 |
| 870 | 0.0065641 |
| 871 | 0.00658333 |
| 872 | 0.00673171 |
| 873 | 0.00675 |
| 874 | 0.00675 |
| 875 | 0.00675758 |
| 876 | 0.007 |
| 877 | 0.00711111 |
| 878 | 0.00714286 |

| | |
|---|---|
| 879 | 0.00718182 |
| 880 | 0.00719355 |
| 881 | 0.00721429 |
| 882 | 0.00722222 |
| 883 | 0.00725 |
| 884 | 0.00726316 |
| 885 | 0.00728571 |
| 886 | 0.00736364 |
| 887 | 0.00745946 |
| 888 | 0.00764706 |
| 889 | 0.00764706 |
| 890 | 0.00771429 |
| 891 | 0.00775758 |
| 892 | 0.00781818 |
| 893 | 0.0081 |
| 894 | 0.00811765 |
| 895 | 0.0082 |
| 896 | 0.00822727 |
| 897 | 0.00825926 |
| 898 | 0.00857692 |
| 899 | 0.00861905 |
| 900 | 0.008625 |
| 901 | 0.00873684 |
| 902 | 0.009 |
| 903 | 0.00902564 |
| 904 | 0.00904545 |
| 905 | 0.00908696 |
| 906 | 0.00922222 |
| 907 | 0.00933333 |
| 908 | 0.00955 |
| 909 | 0.00975758 |
| 910 | 0.00985714 |
| 911 | 0.009875 |
| 912 | 0.00995238 |
| 913 | 0.01 |
| 914 | 0.01 |
| 915 | 0.01 |
| 916 | 0.01 |
| 917 | 0.01 |
| 918 | 0.0101364 |
| 919 | 0.0102 |
| 920 | 0.0102222 |
| 921 | 0.0103333 |
| 922 | 0.0103529 |
| 923 | 0.0104 |
| 924 | 0.0107333 |
| 925 | 0.0108462 |
| 926 | 0.0110556 |
| 927 | 0.0113333 |
| 928 | 0.0114286 |
| 929 | 0.0117368 |
| 930 | 0.012 |
| 931 | 0.012 |
| 932 | 0.0120526 |
| 933 | 0.0123889 |
| 934 | 0.0123939 |
| 935 | 0.0124211 |

| | |
|---|---|
| 936 | 0.0126842 |
| 937 | 0.0127059 |
| 938 | 0.0128333 |
| 939 | 0.0129474 |
| 940 | 0.013 |
| 941 | 0.0131176 |
| 942 | 0.0131176 |
| 943 | 0.0133333 |
| 944 | 0.0133333 |
| 945 | 0.0134167 |
| 946 | 0.0135 |
| 947 | 0.0136364 |
| 948 | 0.0136667 |
| 949 | 0.0137714 |
| 950 | 0.0138 |
| 951 | 0.0139375 |
| 952 | 0.0139565 |
| 953 | 0.0140909 |
| 954 | 0.014125 |
| 955 | 0.0141765 |
| 956 | 0.0144 |
| 957 | 0.0144444 |
| 958 | 0.0145263 |
| 959 | 0.0146 |
| 960 | 0.0146154 |
| 961 | 0.0146364 |
| 962 | 0.01475 |
| 963 | 0.0148667 |
| 964 | 0.015 |
| 965 | 0.0153333 |
| 966 | 0.0153333 |
| 967 | 0.0154 |
| 968 | 0.0155 |
| 969 | 0.0155484 |
| 970 | 0.0155862 |
| 971 | 0.0157333 |
| 972 | 0.0159286 |
| 973 | 0.0161429 |
| 974 | 0.0162353 |
| 975 | 0.01625 |
| 976 | 0.01625 |
| 977 | 0.0166154 |
| 978 | 0.0166207 |
| 979 | 0.0171176 |
| 980 | 0.01725 |
| 981 | 0.0172727 |
| 982 | 0.0173704 |
| 983 | 0.0174375 |
| 984 | 0.0176176 |
| 985 | 0.0176471 |
| 986 | 0.0177778 |
| 987 | 0.018 |
| 988 | 0.01808 |
| 989 | 0.0183333 |
| 990 | 0.0184 |
| 991 | 0.0185714 |
| 992 | 0.0185714 |

| | |
|---|---|
| 993 | 0.0187187 |
| 994 | 0.01875 |
| 995 | 0.0190909 |
| 996 | 0.01928 |
| 997 | 0.0193529 |
| 998 | 0.0194 |
| 999 | 0.0196364 |
| 1000 | 0.0196522 |
| 1001 | 0.0196667 |
| 1002 | 0.01975 |
| 1003 | 0.02 |
| 1004 | 0.02 |
| 1005 | 0.0200833 |
| 1006 | 0.020125 |
| 1007 | 0.0201429 |
| 1008 | 0.0202727 |
| 1009 | 0.0203103 |
| 1010 | 0.0204 |
| 1011 | 0.0206 |
| 1012 | 0.0206333 |
| 1013 | 0.0214286 |
| 1014 | 0.0216667 |
| 1015 | 0.0224545 |
| 1016 | 0.023 |
| 1017 | 0.0235 |
| 1018 | 0.0236 |
| 1019 | 0.0237895 |
| 1020 | 0.0238462 |
| 1021 | 0.0240833 |
| 1022 | 0.0241 |
| 1023 | 0.0242857 |
| 1024 | 0.0243889 |
| 1025 | 0.025 |
| 1026 | 0.0251111 |
| 1027 | 0.0252353 |
| 1028 | 0.0253077 |
| 1029 | 0.0253125 |
| 1030 | 0.0256786 |
| 1031 | 0.026 |
| 1032 | 0.026 |
| 1033 | 0.0263636 |
| 1034 | 0.0268333 |
| 1035 | 0.026875 |
| 1036 | 0.0268846 |
| 1037 | 0.0269231 |
| 1038 | 0.028 |
| 1039 | 0.028 |
| 1040 | 0.0283529 |
| 1041 | 0.0284 |
| 1042 | 0.0285714 |
| 1043 | 0.0286667 |
| 1044 | 0.02876 |
| 1045 | 0.029 |
| 1046 | 0.0291667 |
| 1047 | 0.0292857 |
| 1048 | 0.0299583 |
| 1049 | 0.03 |

| | |
|---|---|
| 1050 | 0.03 |
| 1051 | 0.03 |
| 1052 | 0.03 |
| 1053 | 0.030125 |
| 1054 | 0.030303 |
| 1055 | 0.0318571 |
| 1056 | 0.0321333 |
| 1057 | 0.0321333 |
| 1058 | 0.0321429 |
| 1059 | 0.0322581 |
| 1060 | 0.0322857 |
| 1061 | 0.0325 |
| 1062 | 0.0325 |
| 1063 | 0.0327273 |
| 1064 | 0.0328571 |
| 1065 | 0.0329 |
| 1066 | 0.0330769 |
| 1067 | 0.0333333 |
| 1068 | 0.0334615 |
| 1069 | 0.0342381 |
| 1070 | 0.0343333 |
| 1071 | 0.0344286 |
| 1072 | 0.0345 |
| 1073 | 0.03495 |
| 1074 | 0.0351724 |
| 1075 | 0.0353571 |
| 1076 | 0.0354545 |
| 1077 | 0.0358333 |
| 1078 | 0.03625 |
| 1079 | 0.0366667 |
| 1080 | 0.0370769 |
| 1081 | 0.0378421 |
| 1082 | 0.038 |
| 1083 | 0.0393333 |
| 1084 | 0.04 |
| 1085 | 0.04 |
| 1086 | 0.0401667 |
| 1087 | 0.0405 |
| 1088 | 0.041 |
| 1089 | 0.0410909 |
| 1090 | 0.041125 |
| 1091 | 0.0414286 |
| 1092 | 0.0414815 |
| 1093 | 0.042 |
| 1094 | 0.0428571 |
| 1095 | 0.0429231 |
| 1096 | 0.044 |
| 1097 | 0.0444444 |
| 1098 | 0.0452 |
| 1099 | 0.0453333 |
| 1100 | 0.0455 |
| 1101 | 0.0466667 |
| 1102 | 0.0466667 |
| 1103 | 0.047 |
| 1104 | 0.0472 |
| 1105 | 0.0475 |
| 1106 | 0.0477778 |

| | |
|---|---|
| 1107 | 0.0479333 |
| 1108 | 0.048 |
| 1109 | 0.0482353 |
| 1110 | 0.0486957 |
| 1111 | 0.0488889 |
| 1112 | 0.04925 |
| 1113 | 0.0494118 |
| 1114 | 0.05 |
| 1115 | 0.0502222 |
| 1116 | 0.0502222 |
| 1117 | 0.0502857 |
| 1118 | 0.051 |
| 1119 | 0.05125 |
| 1120 | 0.05125 |
| 1121 | 0.0513571 |
| 1122 | 0.051875 |
| 1123 | 0.0525 |
| 1124 | 0.053 |
| 1125 | 0.0535556 |
| 1126 | 0.0536667 |
| 1127 | 0.054 |
| 1128 | 0.054 |
| 1129 | 0.055 |
| 1130 | 0.0557143 |
| 1131 | 0.056 |
| 1132 | 0.0565 |
| 1133 | 0.056625 |
| 1134 | 0.0578947 |
| 1135 | 0.0588889 |
| 1136 | 0.06 |
| 1137 | 0.0614286 |
| 1138 | 0.0622222 |
| 1139 | 0.0625 |
| 1140 | 0.0627273 |
| 1141 | 0.0630769 |
| 1142 | 0.0645714 |
| 1143 | 0.065 |
| 1144 | 0.0666667 |
| 1145 | 0.0719 |
| 1146 | 0.0725 |
| 1147 | 0.0745455 |
| 1148 | 0.0753333 |
| 1149 | 0.0791 |
| 1150 | 0.0799167 |
| 1151 | 0.08 |
| 1152 | 0.08 |
| 1153 | 0.0805 |
| 1154 | 0.08225 |
| 1155 | 0.084 |
| 1156 | 0.0861538 |
| 1157 | 0.0866667 |
| 1158 | 0.088 |
| 1159 | 0.09 |
| 1160 | 0.091 |
| 1161 | 0.0933333 |
| 1162 | 0.0964 |
| 1163 | 0.0975 |

| | |
|---|---|
| 1164 | 0.1 |
| 1165 | 0.101 |
| 1166 | 0.102714 |
| 1167 | 0.105 |
| 1168 | 0.10775 |
| 1169 | 0.109667 |
| 1170 | 0.1105 |
| 1171 | 0.117143 |
| 1172 | 0.119833 |
| 1173 | 0.122222 |
| 1174 | 0.124444 |
| 1175 | 0.125 |
| 1176 | 0.13 |
| 1177 | 0.1318 |
| 1178 | 0.133667 |
| 1179 | 0.136667 |
| 1180 | 0.138 |
| 1181 | 0.143333 |
| 1182 | 0.1438 |
| 1183 | 0.1438 |
| 1184 | 0.145 |
| 1185 | 0.146667 |
| 1186 | 0.15 |
| 1187 | 0.150667 |
| 1188 | 0.16 |
| 1189 | 0.161 |
| 1190 | 0.163667 |
| 1191 | 0.173333 |
| 1192 | 0.17975 |
| 1193 | 0.181667 |
| 1194 | 0.186667 |
| 1195 | 0.19 |
| 1196 | 0.2 |
| 1197 | 0.205 |
| 1198 | 0.2115 |
| 1199 | 0.215 |
| 1200 | 0.2205 |
| 1201 | 0.223 |
| 1202 | 0.224 |
| 1203 | 0.236 |
| 1204 | 0.239667 |
| 1205 | 0.2425 |
| 1206 | 0.244 |
| 1207 | 0.25 |
| 1208 | 0.26 |
| 1209 | 0.269 |
| 1210 | 0.28 |
| 1211 | 0.28 |
| 1212 | 0.28 |
| 1213 | 0.322 |
| 1214 | 0.3595 |
| 1215 | 0.373333 |
| 1216 | 0.4 |
| 1217 | 0.403 |
| 1218 | 0.41 |
| 1219 | 0.56 |
| 1220 | 0.584 |

| | |
|---|---|
| 1221 | 0.6 |
| 1222 | 0.61 |
| 1223 | 1.12 |
| 1224 | 1.22 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.37 | 2 |
| 2 | 0.38 | 2 |
| 3 | 0.25 | 18 |
| 4 | 0.27 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |

## Sen's Slope Analysis
### Parameter: TKN
### Location: GD 12
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.4 (5/8/2013) | 0.54 (3/12/2013) | (0.4 - 0.54)/(2 - 1) | -0.14 |
| 0.48 (9/23/2013) | 0.54 (3/12/2013) | (0.48 - 0.54)/(3 - 1) | -0.03 |
| 0.45 (12/10/2013) | 0.54 (3/12/2013) | (0.45 - 0.54)/(4 - 1) | -0.03 |
| 0.28 (2/6/2014) | 0.54 (3/12/2013) | (0.28 - 0.54)/(5 - 1) | -0.065 |
| 0.62 (6/26/2014) | 0.54 (3/12/2013) | (0.62 - 0.54)/(6 - 1) | 0.016 |
| 0.39 (9/30/2014) | 0.54 (3/12/2013) | (0.39 - 0.54)/(7 - 1) | -0.025 |
| 0.39 (11/19/2014) | 0.54 (3/12/2013) | (0.39 - 0.54)/(8 - 1) | -0.0214286 |
| 0.59 (3/23/2015) | 0.54 (3/12/2013) | (0.59 - 0.54)/(9 - 1) | 0.00625 |
| 0.43 (4/22/2015) | 0.54 (3/12/2013) | (0.43 - 0.54)/(10 - 1) | -0.0122222 |
| 0.7 (9/30/2015) | 0.54 (3/12/2013) | (0.7 - 0.54)/(11 - 1) | 0.016 |
| 0.77 (11/19/2015) | 0.54 (3/12/2013) | (0.77 - 0.54)/(12 - 1) | 0.0209091 |
| 0.43 (3/15/2016) | 0.54 (3/12/2013) | (0.43 - 0.54)/(13 - 1) | -0.00916667 |
| 0.38 (6/29/2016) | 0.54 (3/12/2013) | (0.38 - 0.54)/(14 - 1) | -0.0123077 |
| 0.63 (8/9/2016) | 0.54 (3/12/2013) | (0.63 - 0.54)/(15 - 1) | 0.00642857 |
| 0.6 (12/7/2016) | 0.54 (3/12/2013) | (0.6 - 0.54)/(16 - 1) | 0.004 |
| 0.58 (3/2/2017) | 0.54 (3/12/2013) | (0.58 - 0.54)/(17 - 1) | 0.0025 |
| 0.77 (6/21/2017) | 0.54 (3/12/2013) | (0.77 - 0.54)/(18 - 1) | 0.0135294 |
| 0.58 (8/17/2017) | 0.54 (3/12/2013) | (0.58 - 0.54)/(19 - 1) | 0.00222222 |
| 0.31 (10/26/2017) | 0.54 (3/12/2013) | (0.31 - 0.54)/(20 - 1) | -0.0121053 |
| ND<0.25 U (3/27/2018) | 0.54 (3/12/2013) | (0.25 - 0.54)/(21 - 1) | -0.0145 |
| 0.528 (6/26/2018) | 0.54 (3/12/2013) | (0.528 - 0.54)/(22 - 1) | -0.000571429 |
| 1.23 (8/1/2018) | 0.54 (3/12/2013) | (1.23 - 0.54)/(23 - 1) | 0.0313636 |
| 0.574 (12/11/2018) | 0.54 (3/12/2013) | (0.574 - 0.54)/(24 - 1) | 0.00147826 |
| 0.272 (4/17/2019) | 0.54 (3/12/2013) | (0.272 - 0.54)/(25 - 1) | -0.0111667 |
| 0.82 (6/11/2019) | 0.54 (3/12/2013) | (0.82 - 0.54)/(26 - 1) | 0.0112 |
| 0.764 (8/28/2019) | 0.54 (3/12/2013) | (0.764 - 0.54)/(27 - 1) | 0.00861538 |
| 0.387 (10/28/2019) | 0.54 (3/12/2013) | (0.387 - 0.54)/(28 - 1) | -0.00566667 |
| 1 (3/31/2020) | 0.54 (3/12/2013) | (1 - 0.54)/(29 - 1) | 0.0164286 |
| 0.438 (6/10/2020) | 0.54 (3/12/2013) | (0.438 - 0.54)/(30 - 1) | -0.00351724 |
| 0.438 (6/10/2020) | 0.54 (3/12/2013) | (0.438 - 0.54)/(30 - 1) | -0.00351724 |
| ND<0.25 U (9/21/2020) | 0.54 (3/12/2013) | (0.25 - 0.54)/(31 - 1) | -0.00966667 |
| ND<0.25 U (12/17/2020) | 0.54 (3/12/2013) | (0.25 - 0.54)/(32 - 1) | -0.00935484 |
| 0.621 (3/18/2021) | 0.54 (3/12/2013) | (0.621 - 0.54)/(33 - 1) | 0.00253125 |
| 0.61 (5/5/2021) | 0.54 (3/12/2013) | (0.61 - 0.54)/(34 - 1) | 0.00212121 |
| 0.779 (9/2/2021) | 0.54 (3/12/2013) | (0.779 - 0.54)/(35 - 1) | 0.00702941 |
| ND<0.25 U (11/23/2021) | 0.54 (3/12/2013) | (0.25 - 0.54)/(36 - 1) | -0.00828571 |
| 0.325 (1/10/2022) | 0.54 (3/12/2013) | (0.325 - 0.54)/(37 - 1) | -0.00597222 |
| 0.522 (4/7/2022) | 0.54 (3/12/2013) | (0.522 - 0.54)/(38 - 1) | -0.000486486 |
| 0.999 (8/3/2022) | 0.54 (3/12/2013) | (0.999 - 0.54)/(39 - 1) | 0.0120789 |
| 0.407 (11/16/2022) | 0.54 (3/12/2013) | (0.407 - 0.54)/(40 - 1) | -0.00341026 |
| 0.75 (2/13/2023) | 0.54 (3/12/2013) | (0.75 - 0.54)/(41 - 1) | 0.00525 |
| 0.357 (5/24/2023) | 0.54 (3/12/2013) | (0.357 - 0.54)/(42 - 1) | -0.00446341 |
| 0.813 (8/7/2023) | 0.54 (3/12/2013) | (0.813 - 0.54)/(43 - 1) | 0.0065 |
| 0.412 (12/12/2023) | 0.54 (3/12/2013) | (0.412 - 0.54)/(44 - 1) | -0.00297674 |
| 0.437 (1/10/2024) | 0.54 (3/12/2013) | (0.437 - 0.54)/(45 - 1) | -0.00234091 |
| 0.496 (5/20/2024) | 0.54 (3/12/2013) | (0.496 - 0.54)/(46 - 1) | -0.000977778 |
| 0.399 (9/16/2024) | 0.54 (3/12/2013) | (0.399 - 0.54)/(47 - 1) | -0.00306522 |
| 0.702 (12/11/2024) | 0.54 (3/12/2013) | (0.702 - 0.54)/(48 - 1) | 0.00344681 |

| | | | |
|---|---|---|---|
| 0.497 (2/18/2025) | 0.54 (3/12/2013) | (0.497 - 0.54)/(49 - 1) | -0.000895833 |
| | | | |
| 0.48 (9/23/2013) | 0.4 (5/8/2013) | (0.48 - 0.4)/(3 - 2) | 0.08 |
| 0.45 (12/10/2013) | 0.4 (5/8/2013) | (0.45 - 0.4)/(4 - 2) | 0.025 |
| 0.28 (2/6/2014) | 0.4 (5/8/2013) | (0.28 - 0.4)/(5 - 2) | -0.04 |
| 0.62 (6/26/2014) | 0.4 (5/8/2013) | (0.62 - 0.4)/(6 - 2) | 0.055 |
| 0.39 (9/30/2014) | 0.4 (5/8/2013) | (0.39 - 0.4)/(7 - 2) | -0.002 |
| 0.39 (11/19/2014) | 0.4 (5/8/2013) | (0.39 - 0.4)/(8 - 2) | -0.00166667 |
| 0.59 (3/23/2015) | 0.4 (5/8/2013) | (0.59 - 0.4)/(9 - 2) | 0.0271429 |
| 0.43 (4/22/2015) | 0.4 (5/8/2013) | (0.43 - 0.4)/(10 - 2) | 0.00375 |
| 0.7 (9/30/2015) | 0.4 (5/8/2013) | (0.7 - 0.4)/(11 - 2) | 0.0333333 |
| 0.77 (11/19/2015) | 0.4 (5/8/2013) | (0.77 - 0.4)/(12 - 2) | 0.037 |
| 0.43 (3/15/2016) | 0.4 (5/8/2013) | (0.43 - 0.4)/(13 - 2) | 0.00272727 |
| 0.38 (6/29/2016) | 0.4 (5/8/2013) | (0.38 - 0.4)/(14 - 2) | -0.00166667 |
| 0.63 (8/9/2016) | 0.4 (5/8/2013) | (0.63 - 0.4)/(15 - 2) | 0.0176923 |
| 0.6 (12/7/2016) | 0.4 (5/8/2013) | (0.6 - 0.4)/(16 - 2) | 0.0142857 |
| 0.58 (3/2/2017) | 0.4 (5/8/2013) | (0.58 - 0.4)/(17 - 2) | 0.012 |
| 0.77 (6/21/2017) | 0.4 (5/8/2013) | (0.77 - 0.4)/(18 - 2) | 0.023125 |
| 0.58 (8/17/2017) | 0.4 (5/8/2013) | (0.58 - 0.4)/(19 - 2) | 0.0105882 |
| 0.31 (10/26/2017) | 0.4 (5/8/2013) | (0.31 - 0.4)/(20 - 2) | -0.005 |
| ND<0.25 U (3/27/2018) | 0.4 (5/8/2013) | (0.25 - 0.4)/(21 - 2) | -0.00789474 |
| 0.528 (6/26/2018) | 0.4 (5/8/2013) | (0.528 - 0.4)/(22 - 2) | 0.0064 |
| 1.23 (8/1/2018) | 0.4 (5/8/2013) | (1.23 - 0.4)/(23 - 2) | 0.0395238 |
| 0.574 (12/11/2018) | 0.4 (5/8/2013) | (0.574 - 0.4)/(24 - 2) | 0.00790909 |
| 0.272 (4/17/2019) | 0.4 (5/8/2013) | (0.272 - 0.4)/(25 - 2) | -0.00556522 |
| 0.82 (6/11/2019) | 0.4 (5/8/2013) | (0.82 - 0.4)/(26 - 2) | 0.0175 |
| 0.764 (8/28/2019) | 0.4 (5/8/2013) | (0.764 - 0.4)/(27 - 2) | 0.01456 |
| 0.387 (10/28/2019) | 0.4 (5/8/2013) | (0.387 - 0.4)/(28 - 2) | -0.0005 |
| 1 (3/31/2020) | 0.4 (5/8/2013) | (1 - 0.4)/(29 - 2) | 0.0222222 |
| 0.438 (6/10/2020) | 0.4 (5/8/2013) | (0.438 - 0.4)/(30 - 2) | 0.00135714 |
| 0.438 (6/10/2020) | 0.4 (5/8/2013) | (0.438 - 0.4)/(30 - 2) | 0.00135714 |
| ND<0.25 U (9/21/2020) | 0.4 (5/8/2013) | (0.25 - 0.4)/(31 - 2) | -0.00517241 |
| ND<0.25 U (12/17/2020) | 0.4 (5/8/2013) | (0.25 - 0.4)/(32 - 2) | -0.005 |
| 0.621 (3/18/2021) | 0.4 (5/8/2013) | (0.621 - 0.4)/(33 - 2) | 0.00712903 |
| 0.61 (5/5/2021) | 0.4 (5/8/2013) | (0.61 - 0.4)/(34 - 2) | 0.0065625 |
| 0.779 (9/2/2021) | 0.4 (5/8/2013) | (0.779 - 0.4)/(35 - 2) | 0.0114848 |
| ND<0.25 U (11/23/2021) | 0.4 (5/8/2013) | (0.25 - 0.4)/(36 - 2) | -0.00441176 |
| 0.325 (1/10/2022) | 0.4 (5/8/2013) | (0.325 - 0.4)/(37 - 2) | -0.00214286 |
| 0.522 (4/7/2022) | 0.4 (5/8/2013) | (0.522 - 0.4)/(38 - 2) | 0.00338889 |
| 0.999 (8/3/2022) | 0.4 (5/8/2013) | (0.999 - 0.4)/(39 - 2) | 0.0161892 |
| 0.407 (11/16/2022) | 0.4 (5/8/2013) | (0.407 - 0.4)/(40 - 2) | 0.000184211 |
| 0.75 (2/13/2023) | 0.4 (5/8/2013) | (0.75 - 0.4)/(41 - 2) | 0.00897436 |
| 0.357 (5/24/2023) | 0.4 (5/8/2013) | (0.357 - 0.4)/(42 - 2) | -0.001075 |
| 0.813 (8/7/2023) | 0.4 (5/8/2013) | (0.813 - 0.4)/(43 - 2) | 0.0100732 |
| 0.412 (12/12/2023) | 0.4 (5/8/2013) | (0.412 - 0.4)/(44 - 2) | 0.000285714 |
| 0.437 (1/10/2024) | 0.4 (5/8/2013) | (0.437 - 0.4)/(45 - 2) | 0.000860465 |
| 0.496 (5/20/2024) | 0.4 (5/8/2013) | (0.496 - 0.4)/(46 - 2) | 0.00218182 |
| 0.399 (9/16/2024) | 0.4 (5/8/2013) | (0.399 - 0.4)/(47 - 2) | -2.22222e-05 |
| 0.702 (12/11/2024) | 0.4 (5/8/2013) | (0.702 - 0.4)/(48 - 2) | 0.00656522 |
| 0.497 (2/18/2025) | 0.4 (5/8/2013) | (0.497 - 0.4)/(49 - 2) | 0.00206383 |
| | | | |
| 0.45 (12/10/2013) | 0.48 (9/23/2013) | (0.45 - 0.48)/(4 - 3) | -0.03 |
| 0.28 (2/6/2014) | 0.48 (9/23/2013) | (0.28 - 0.48)/(5 - 3) | -0.1 |
| 0.62 (6/26/2014) | 0.48 (9/23/2013) | (0.62 - 0.48)/(6 - 3) | 0.0466667 |
| 0.39 (9/30/2014) | 0.48 (9/23/2013) | (0.39 - 0.48)/(7 - 3) | -0.0225 |
| 0.39 (11/19/2014) | 0.48 (9/23/2013) | (0.39 - 0.48)/(8 - 3) | -0.018 |
| 0.59 (3/23/2015) | 0.48 (9/23/2013) | (0.59 - 0.48)/(9 - 3) | 0.0183333 |

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|---|---|---|---|
| 0.43 (4/22/2015) | 0.48 (9/23/2013) | (0.43 - 0.48)/(10 - 3) | -0.00714286 |
| 0.7 (9/30/2015) | 0.48 (9/23/2013) | (0.7 - 0.48)/(11 - 3) | 0.0275 |
| 0.77 (11/19/2015) | 0.48 (9/23/2013) | (0.77 - 0.48)/(12 - 3) | 0.0322222 |
| 0.43 (3/15/2016) | 0.48 (9/23/2013) | (0.43 - 0.48)/(13 - 3) | -0.005 |
| 0.38 (6/29/2016) | 0.48 (9/23/2013) | (0.38 - 0.48)/(14 - 3) | -0.00909091 |
| 0.63 (8/9/2016) | 0.48 (9/23/2013) | (0.63 - 0.48)/(15 - 3) | 0.0125 |
| 0.6 (12/7/2016) | 0.48 (9/23/2013) | (0.6 - 0.48)/(16 - 3) | 0.00923077 |
| 0.58 (3/2/2017) | 0.48 (9/23/2013) | (0.58 - 0.48)/(17 - 3) | 0.00714286 |
| 0.77 (6/21/2017) | 0.48 (9/23/2013) | (0.77 - 0.48)/(18 - 3) | 0.0193333 |
| 0.58 (8/17/2017) | 0.48 (9/23/2013) | (0.58 - 0.48)/(19 - 3) | 0.00625 |
| 0.31 (10/26/2017) | 0.48 (9/23/2013) | (0.31 - 0.48)/(20 - 3) | -0.01 |
| ND<0.25 U (3/27/2018) | 0.48 (9/23/2013) | (0.25 - 0.48)/(21 - 3) | -0.0127778 |
| 0.528 (6/26/2018) | 0.48 (9/23/2013) | (0.528 - 0.48)/(22 - 3) | 0.00252632 |
| 1.23 (8/1/2018) | 0.48 (9/23/2013) | (1.23 - 0.48)/(23 - 3) | 0.0375 |
| 0.574 (12/11/2018) | 0.48 (9/23/2013) | (0.574 - 0.48)/(24 - 3) | 0.00447619 |
| 0.272 (4/17/2019) | 0.48 (9/23/2013) | (0.272 - 0.48)/(25 - 3) | -0.00945455 |
| 0.82 (6/11/2019) | 0.48 (9/23/2013) | (0.82 - 0.48)/(26 - 3) | 0.0147826 |
| 0.764 (8/28/2019) | 0.48 (9/23/2013) | (0.764 - 0.48)/(27 - 3) | 0.0118333 |
| 0.387 (10/28/2019) | 0.48 (9/23/2013) | (0.387 - 0.48)/(28 - 3) | -0.00372 |
| 1 (3/31/2020) | 0.48 (9/23/2013) | (1 - 0.48)/(29 - 3) | 0.02 |
| 0.438 (6/10/2020) | 0.48 (9/23/2013) | (0.438 - 0.48)/(30 - 3) | -0.00155556 |
| 0.438 (6/10/2020) | 0.48 (9/23/2013) | (0.438 - 0.48)/(30 - 3) | -0.00155556 |
| ND<0.25 U (9/21/2020) | 0.48 (9/23/2013) | (0.25 - 0.48)/(31 - 3) | -0.00821429 |
| ND<0.25 U (12/17/2020) | 0.48 (9/23/2013) | (0.25 - 0.48)/(32 - 3) | -0.00793103 |
| 0.621 (3/18/2021) | 0.48 (9/23/2013) | (0.621 - 0.48)/(33 - 3) | 0.0047 |
| 0.61 (5/5/2021) | 0.48 (9/23/2013) | (0.61 - 0.48)/(34 - 3) | 0.00419355 |
| 0.779 (9/2/2021) | 0.48 (9/23/2013) | (0.779 - 0.48)/(35 - 3) | 0.00934375 |
| ND<0.25 U (11/23/2021) | 0.48 (9/23/2013) | (0.25 - 0.48)/(36 - 3) | -0.0069697 |
| 0.325 (1/10/2022) | 0.48 (9/23/2013) | (0.325 - 0.48)/(37 - 3) | -0.00455882 |
| 0.522 (4/7/2022) | 0.48 (9/23/2013) | (0.522 - 0.48)/(38 - 3) | 0.0012 |
| 0.999 (8/3/2022) | 0.48 (9/23/2013) | (0.999 - 0.48)/(39 - 3) | 0.0144167 |
| 0.407 (11/16/2022) | 0.48 (9/23/2013) | (0.407 - 0.48)/(40 - 3) | -0.00197297 |
| 0.75 (2/13/2023) | 0.48 (9/23/2013) | (0.75 - 0.48)/(41 - 3) | 0.00710526 |
| 0.357 (5/24/2023) | 0.48 (9/23/2013) | (0.357 - 0.48)/(42 - 3) | -0.00315385 |
| 0.813 (8/7/2023) | 0.48 (9/23/2013) | (0.813 - 0.48)/(43 - 3) | 0.008325 |
| 0.412 (12/12/2023) | 0.48 (9/23/2013) | (0.412 - 0.48)/(44 - 3) | -0.00165854 |
| 0.437 (1/10/2024) | 0.48 (9/23/2013) | (0.437 - 0.48)/(45 - 3) | -0.00102381 |
| 0.496 (5/20/2024) | 0.48 (9/23/2013) | (0.496 - 0.48)/(46 - 3) | 0.000372093 |
| 0.399 (9/16/2024) | 0.48 (9/23/2013) | (0.399 - 0.48)/(47 - 3) | -0.00184091 |
| 0.702 (12/11/2024) | 0.48 (9/23/2013) | (0.702 - 0.48)/(48 - 3) | 0.00493333 |
| 0.497 (2/18/2025) | 0.48 (9/23/2013) | (0.497 - 0.48)/(49 - 3) | 0.000369565 |
| | | | |
| 0.28 (2/6/2014) | 0.45 (12/10/2013) | (0.28 - 0.45)/(5 - 4) | -0.17 |
| 0.62 (6/26/2014) | 0.45 (12/10/2013) | (0.62 - 0.45)/(6 - 4) | 0.085 |
| 0.39 (9/30/2014) | 0.45 (12/10/2013) | (0.39 - 0.45)/(7 - 4) | -0.02 |
| 0.39 (11/19/2014) | 0.45 (12/10/2013) | (0.39 - 0.45)/(8 - 4) | -0.015 |
| 0.59 (3/23/2015) | 0.45 (12/10/2013) | (0.59 - 0.45)/(9 - 4) | 0.028 |
| 0.43 (4/22/2015) | 0.45 (12/10/2013) | (0.43 - 0.45)/(10 - 4) | -0.00333333 |
| 0.7 (9/30/2015) | 0.45 (12/10/2013) | (0.7 - 0.45)/(11 - 4) | 0.0357143 |
| 0.77 (11/19/2015) | 0.45 (12/10/2013) | (0.77 - 0.45)/(12 - 4) | 0.04 |
| 0.43 (3/15/2016) | 0.45 (12/10/2013) | (0.43 - 0.45)/(13 - 4) | -0.00222222 |
| 0.38 (6/29/2016) | 0.45 (12/10/2013) | (0.38 - 0.45)/(14 - 4) | -0.007 |
| 0.63 (8/9/2016) | 0.45 (12/10/2013) | (0.63 - 0.45)/(15 - 4) | 0.0163636 |
| 0.6 (12/7/2016) | 0.45 (12/10/2013) | (0.6 - 0.45)/(16 - 4) | 0.0125 |
| 0.58 (3/2/2017) | 0.45 (12/10/2013) | (0.58 - 0.45)/(17 - 4) | 0.01 |
| 0.77 (6/21/2017) | 0.45 (12/10/2013) | (0.77 - 0.45)/(18 - 4) | 0.0228571 |
| 0.58 (8/17/2017) | 0.45 (12/10/2013) | (0.58 - 0.45)/(19 - 4) | 0.00866667 |

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|---|---|---|---|
| 0.31 (10/26/2017) | 0.45 (12/10/2013) | (0.31 - 0.45)/(20 - 4) | -0.00875 |
| ND<0.25 U (3/27/2018) | 0.45 (12/10/2013) | (0.25 - 0.45)/(21 - 4) | -0.0117647 |
| 0.528 (6/26/2018) | 0.45 (12/10/2013) | (0.528 - 0.45)/(22 - 4) | 0.00433333 |
| 1.23 (8/1/2018) | 0.45 (12/10/2013) | (1.23 - 0.45)/(23 - 4) | 0.0410526 |
| 0.574 (12/11/2018) | 0.45 (12/10/2013) | (0.574 - 0.45)/(24 - 4) | 0.0062 |
| 0.272 (4/17/2019) | 0.45 (12/10/2013) | (0.272 - 0.45)/(25 - 4) | -0.00847619 |
| 0.82 (6/11/2019) | 0.45 (12/10/2013) | (0.82 - 0.45)/(26 - 4) | 0.0168182 |
| 0.764 (8/28/2019) | 0.45 (12/10/2013) | (0.764 - 0.45)/(27 - 4) | 0.0136522 |
| 0.387 (10/28/2019) | 0.45 (12/10/2013) | (0.387 - 0.45)/(28 - 4) | -0.002625 |
| 1 (3/31/2020) | 0.45 (12/10/2013) | (1 - 0.45)/(29 - 4) | 0.022 |
| 0.438 (6/10/2020) | 0.45 (12/10/2013) | (0.438 - 0.45)/(30 - 4) | -0.000461538 |
| 0.438 (6/10/2020) | 0.45 (12/10/2013) | (0.438 - 0.45)/(30 - 4) | -0.000461538 |
| ND<0.25 U (9/21/2020) | 0.45 (12/10/2013) | (0.25 - 0.45)/(31 - 4) | -0.00740741 |
| ND<0.25 U (12/17/2020) | 0.45 (12/10/2013) | (0.25 - 0.45)/(32 - 4) | -0.00714286 |
| 0.621 (3/18/2021) | 0.45 (12/10/2013) | (0.621 - 0.45)/(33 - 4) | 0.00589655 |
| 0.61 (5/5/2021) | 0.45 (12/10/2013) | (0.61 - 0.45)/(34 - 4) | 0.00533333 |
| 0.779 (9/2/2021) | 0.45 (12/10/2013) | (0.779 - 0.45)/(35 - 4) | 0.0106129 |
| ND<0.25 U (11/23/2021) | 0.45 (12/10/2013) | (0.25 - 0.45)/(36 - 4) | -0.00625 |
| 0.325 (1/10/2022) | 0.45 (12/10/2013) | (0.325 - 0.45)/(37 - 4) | -0.00378788 |
| 0.522 (4/7/2022) | 0.45 (12/10/2013) | (0.522 - 0.45)/(38 - 4) | 0.00211765 |
| 0.999 (8/3/2022) | 0.45 (12/10/2013) | (0.999 - 0.45)/(39 - 4) | 0.0156857 |
| 0.407 (11/16/2022) | 0.45 (12/10/2013) | (0.407 - 0.45)/(40 - 4) | -0.00119444 |
| 0.75 (2/13/2023) | 0.45 (12/10/2013) | (0.75 - 0.45)/(41 - 4) | 0.00810811 |
| 0.357 (5/24/2023) | 0.45 (12/10/2013) | (0.357 - 0.45)/(42 - 4) | -0.00244737 |
| 0.813 (8/7/2023) | 0.45 (12/10/2013) | (0.813 - 0.45)/(43 - 4) | 0.00930769 |
| 0.412 (12/12/2023) | 0.45 (12/10/2013) | (0.412 - 0.45)/(44 - 4) | -0.00095 |
| 0.437 (1/10/2024) | 0.45 (12/10/2013) | (0.437 - 0.45)/(45 - 4) | -0.000317073 |
| 0.496 (5/20/2024) | 0.45 (12/10/2013) | (0.496 - 0.45)/(46 - 4) | 0.00109524 |
| 0.399 (9/16/2024) | 0.45 (12/10/2013) | (0.399 - 0.45)/(47 - 4) | -0.00118605 |
| 0.702 (12/11/2024) | 0.45 (12/10/2013) | (0.702 - 0.45)/(48 - 4) | 0.00572727 |
| 0.497 (2/18/2025) | 0.45 (12/10/2013) | (0.497 - 0.45)/(49 - 4) | 0.00104444 |

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|---|---|---|---|
| 0.62 (6/26/2014) | 0.28 (2/6/2014) | (0.62 - 0.28)/(6 - 5) | 0.34 |
| 0.39 (9/30/2014) | 0.28 (2/6/2014) | (0.39 - 0.28)/(7 - 5) | 0.055 |
| 0.39 (11/19/2014) | 0.28 (2/6/2014) | (0.39 - 0.28)/(8 - 5) | 0.0366667 |
| 0.59 (3/23/2015) | 0.28 (2/6/2014) | (0.59 - 0.28)/(9 - 5) | 0.0775 |
| 0.43 (4/22/2015) | 0.28 (2/6/2014) | (0.43 - 0.28)/(10 - 5) | 0.03 |
| 0.7 (9/30/2015) | 0.28 (2/6/2014) | (0.7 - 0.28)/(11 - 5) | 0.07 |
| 0.77 (11/19/2015) | 0.28 (2/6/2014) | (0.77 - 0.28)/(12 - 5) | 0.07 |
| 0.43 (3/15/2016) | 0.28 (2/6/2014) | (0.43 - 0.28)/(13 - 5) | 0.01875 |
| 0.38 (6/29/2016) | 0.28 (2/6/2014) | (0.38 - 0.28)/(14 - 5) | 0.0111111 |
| 0.63 (8/9/2016) | 0.28 (2/6/2014) | (0.63 - 0.28)/(15 - 5) | 0.035 |
| 0.6 (12/7/2016) | 0.28 (2/6/2014) | (0.6 - 0.28)/(16 - 5) | 0.0290909 |
| 0.58 (3/2/2017) | 0.28 (2/6/2014) | (0.58 - 0.28)/(17 - 5) | 0.025 |
| 0.77 (6/21/2017) | 0.28 (2/6/2014) | (0.77 - 0.28)/(18 - 5) | 0.0376923 |
| 0.58 (8/17/2017) | 0.28 (2/6/2014) | (0.58 - 0.28)/(19 - 5) | 0.0214286 |
| 0.31 (10/26/2017) | 0.28 (2/6/2014) | (0.31 - 0.28)/(20 - 5) | 0.002 |
| ND<0.25 U (3/27/2018) | 0.28 (2/6/2014) | (0.25 - 0.28)/(21 - 5) | -0.001875 |
| 0.528 (6/26/2018) | 0.28 (2/6/2014) | (0.528 - 0.28)/(22 - 5) | 0.0145882 |
| 1.23 (8/1/2018) | 0.28 (2/6/2014) | (1.23 - 0.28)/(23 - 5) | 0.0527778 |
| 0.574 (12/11/2018) | 0.28 (2/6/2014) | (0.574 - 0.28)/(24 - 5) | 0.0154737 |
| 0.272 (4/17/2019) | 0.28 (2/6/2014) | (0.272 - 0.28)/(25 - 5) | -0.0004 |
| 0.82 (6/11/2019) | 0.28 (2/6/2014) | (0.82 - 0.28)/(26 - 5) | 0.0257143 |
| 0.764 (8/28/2019) | 0.28 (2/6/2014) | (0.764 - 0.28)/(27 - 5) | 0.022 |
| 0.387 (10/28/2019) | 0.28 (2/6/2014) | (0.387 - 0.28)/(28 - 5) | 0.00465217 |
| 1 (3/31/2020) | 0.28 (2/6/2014) | (1 - 0.28)/(29 - 5) | 0.03 |
| 0.438 (6/10/2020) | 0.28 (2/6/2014) | (0.438 - 0.28)/(30 - 5) | 0.00632 |

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|---|---|---|---|
| 0.438 (6/10/2020) | 0.28 (2/6/2014) | (0.438 - 0.28)/(30 - 5) | 0.00632 |
| ND<0.25 U (9/21/2020) | 0.28 (2/6/2014) | (0.25 - 0.28)/(31 - 5) | -0.00115385 |
| ND<0.25 U (12/17/2020) | 0.28 (2/6/2014) | (0.25 - 0.28)/(32 - 5) | -0.00111111 |
| 0.621 (3/18/2021) | 0.28 (2/6/2014) | (0.621 - 0.28)/(33 - 5) | 0.0121786 |
| 0.61 (5/5/2021) | 0.28 (2/6/2014) | (0.61 - 0.28)/(34 - 5) | 0.0113793 |
| 0.779 (9/2/2021) | 0.28 (2/6/2014) | (0.779 - 0.28)/(35 - 5) | 0.0166333 |
| ND<0.25 U (11/23/2021) | 0.28 (2/6/2014) | (0.25 - 0.28)/(36 - 5) | -0.000967742 |
| 0.325 (1/10/2022) | 0.28 (2/6/2014) | (0.325 - 0.28)/(37 - 5) | 0.00140625 |
| 0.522 (4/7/2022) | 0.28 (2/6/2014) | (0.522 - 0.28)/(38 - 5) | 0.00733333 |
| 0.999 (8/3/2022) | 0.28 (2/6/2014) | (0.999 - 0.28)/(39 - 5) | 0.0211471 |
| 0.407 (11/16/2022) | 0.28 (2/6/2014) | (0.407 - 0.28)/(40 - 5) | 0.00362857 |
| 0.75 (2/13/2023) | 0.28 (2/6/2014) | (0.75 - 0.28)/(41 - 5) | 0.0130556 |
| 0.357 (5/24/2023) | 0.28 (2/6/2014) | (0.357 - 0.28)/(42 - 5) | 0.00208108 |
| 0.813 (8/7/2023) | 0.28 (2/6/2014) | (0.813 - 0.28)/(43 - 5) | 0.0140263 |
| 0.412 (12/12/2023) | 0.28 (2/6/2014) | (0.412 - 0.28)/(44 - 5) | 0.00338462 |
| 0.437 (1/10/2024) | 0.28 (2/6/2014) | (0.437 - 0.28)/(45 - 5) | 0.003925 |
| 0.496 (5/20/2024) | 0.28 (2/6/2014) | (0.496 - 0.28)/(46 - 5) | 0.00526829 |
| 0.399 (9/16/2024) | 0.28 (2/6/2014) | (0.399 - 0.28)/(47 - 5) | 0.00283333 |
| 0.702 (12/11/2024) | 0.28 (2/6/2014) | (0.702 - 0.28)/(48 - 5) | 0.00981395 |
| 0.497 (2/18/2025) | 0.28 (2/6/2014) | (0.497 - 0.28)/(49 - 5) | 0.00493182 |

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|---|---|---|---|
| 0.39 (9/30/2014) | 0.62 (6/26/2014) | (0.39 - 0.62)/(7 - 6) | -0.23 |
| 0.39 (11/19/2014) | 0.62 (6/26/2014) | (0.39 - 0.62)/(8 - 6) | -0.115 |
| 0.59 (3/23/2015) | 0.62 (6/26/2014) | (0.59 - 0.62)/(9 - 6) | -0.01 |
| 0.43 (4/22/2015) | 0.62 (6/26/2014) | (0.43 - 0.62)/(10 - 6) | -0.0475 |
| 0.7 (9/30/2015) | 0.62 (6/26/2014) | (0.7 - 0.62)/(11 - 6) | 0.016 |
| 0.77 (11/19/2015) | 0.62 (6/26/2014) | (0.77 - 0.62)/(12 - 6) | 0.025 |
| 0.43 (3/15/2016) | 0.62 (6/26/2014) | (0.43 - 0.62)/(13 - 6) | -0.0271429 |
| 0.38 (6/29/2016) | 0.62 (6/26/2014) | (0.38 - 0.62)/(14 - 6) | -0.03 |
| 0.63 (8/9/2016) | 0.62 (6/26/2014) | (0.63 - 0.62)/(15 - 6) | 0.00111111 |
| 0.6 (12/7/2016) | 0.62 (6/26/2014) | (0.6 - 0.62)/(16 - 6) | -0.002 |
| 0.58 (3/2/2017) | 0.62 (6/26/2014) | (0.58 - 0.62)/(17 - 6) | -0.00363636 |
| 0.77 (6/21/2017) | 0.62 (6/26/2014) | (0.77 - 0.62)/(18 - 6) | 0.0125 |
| 0.58 (8/17/2017) | 0.62 (6/26/2014) | (0.58 - 0.62)/(19 - 6) | -0.00307692 |
| 0.31 (10/26/2017) | 0.62 (6/26/2014) | (0.31 - 0.62)/(20 - 6) | -0.0221429 |
| ND<0.25 U (3/27/2018) | 0.62 (6/26/2014) | (0.25 - 0.62)/(21 - 6) | -0.0246667 |
| 0.528 (6/26/2018) | 0.62 (6/26/2014) | (0.528 - 0.62)/(22 - 6) | -0.00575 |
| 1.23 (8/1/2018) | 0.62 (6/26/2014) | (1.23 - 0.62)/(23 - 6) | 0.0358824 |
| 0.574 (12/11/2018) | 0.62 (6/26/2014) | (0.574 - 0.62)/(24 - 6) | -0.00255556 |
| 0.272 (4/17/2019) | 0.62 (6/26/2014) | (0.272 - 0.62)/(25 - 6) | -0.0183158 |
| 0.82 (6/11/2019) | 0.62 (6/26/2014) | (0.82 - 0.62)/(26 - 6) | 0.01 |
| 0.764 (8/28/2019) | 0.62 (6/26/2014) | (0.764 - 0.62)/(27 - 6) | 0.00685714 |
| 0.387 (10/28/2019) | 0.62 (6/26/2014) | (0.387 - 0.62)/(28 - 6) | -0.0105909 |
| 1 (3/31/2020) | 0.62 (6/26/2014) | (1 - 0.62)/(29 - 6) | 0.0165217 |
| 0.438 (6/10/2020) | 0.62 (6/26/2014) | (0.438 - 0.62)/(30 - 6) | -0.00758333 |
| 0.438 (6/10/2020) | 0.62 (6/26/2014) | (0.438 - 0.62)/(30 - 6) | -0.00758333 |
| ND<0.25 U (9/21/2020) | 0.62 (6/26/2014) | (0.25 - 0.62)/(31 - 6) | -0.0148 |
| ND<0.25 U (12/17/2020) | 0.62 (6/26/2014) | (0.25 - 0.62)/(32 - 6) | -0.0142308 |
| 0.621 (3/18/2021) | 0.62 (6/26/2014) | (0.621 - 0.62)/(33 - 6) | 3.7037e-05 |
| 0.61 (5/5/2021) | 0.62 (6/26/2014) | (0.61 - 0.62)/(34 - 6) | -0.000357143 |
| 0.779 (9/2/2021) | 0.62 (6/26/2014) | (0.779 - 0.62)/(35 - 6) | 0.00548276 |
| ND<0.25 U (11/23/2021) | 0.62 (6/26/2014) | (0.25 - 0.62)/(36 - 6) | -0.0123333 |
| 0.325 (1/10/2022) | 0.62 (6/26/2014) | (0.325 - 0.62)/(37 - 6) | -0.00951613 |
| 0.522 (4/7/2022) | 0.62 (6/26/2014) | (0.522 - 0.62)/(38 - 6) | -0.0030625 |
| 0.999 (8/3/2022) | 0.62 (6/26/2014) | (0.999 - 0.62)/(39 - 6) | 0.0114848 |
| 0.407 (11/16/2022) | 0.62 (6/26/2014) | (0.407 - 0.62)/(40 - 6) | -0.00626471 |
| 0.75 (2/13/2023) | 0.62 (6/26/2014) | (0.75 - 0.62)/(41 - 6) | 0.00371429 |

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|---|---|---|---|
| 0.357 (5/24/2023) | 0.62 (6/26/2014) | (0.357 - 0.62)/(42 - 6) | -0.00730556 |
| 0.813 (8/7/2023) | 0.62 (6/26/2014) | (0.813 - 0.62)/(43 - 6) | 0.00521622 |
| 0.412 (12/12/2023) | 0.62 (6/26/2014) | (0.412 - 0.62)/(44 - 6) | -0.00547368 |
| 0.437 (1/10/2024) | 0.62 (6/26/2014) | (0.437 - 0.62)/(45 - 6) | -0.00469231 |
| 0.496 (5/20/2024) | 0.62 (6/26/2014) | (0.496 - 0.62)/(46 - 6) | -0.0031 |
| 0.399 (9/16/2024) | 0.62 (6/26/2014) | (0.399 - 0.62)/(47 - 6) | -0.00539024 |
| 0.702 (12/11/2024) | 0.62 (6/26/2014) | (0.702 - 0.62)/(48 - 6) | 0.00195238 |
| 0.497 (2/18/2025) | 0.62 (6/26/2014) | (0.497 - 0.62)/(49 - 6) | -0.00286047 |
| | | | |
| 0.39 (11/19/2014) | 0.39 (9/30/2014) | (0.39 - 0.39)/(8 - 7) | 0 |
| 0.59 (3/23/2015) | 0.39 (9/30/2014) | (0.59 - 0.39)/(9 - 7) | 0.1 |
| 0.43 (4/22/2015) | 0.39 (9/30/2014) | (0.43 - 0.39)/(10 - 7) | 0.0133333 |
| 0.7 (9/30/2015) | 0.39 (9/30/2014) | (0.7 - 0.39)/(11 - 7) | 0.0775 |
| 0.77 (11/19/2015) | 0.39 (9/30/2014) | (0.77 - 0.39)/(12 - 7) | 0.076 |
| 0.43 (3/15/2016) | 0.39 (9/30/2014) | (0.43 - 0.39)/(13 - 7) | 0.00666667 |
| 0.38 (6/29/2016) | 0.39 (9/30/2014) | (0.38 - 0.39)/(14 - 7) | -0.00142857 |
| 0.63 (8/9/2016) | 0.39 (9/30/2014) | (0.63 - 0.39)/(15 - 7) | 0.03 |
| 0.6 (12/7/2016) | 0.39 (9/30/2014) | (0.6 - 0.39)/(16 - 7) | 0.0233333 |
| 0.58 (3/2/2017) | 0.39 (9/30/2014) | (0.58 - 0.39)/(17 - 7) | 0.019 |
| 0.77 (6/21/2017) | 0.39 (9/30/2014) | (0.77 - 0.39)/(18 - 7) | 0.0345455 |
| 0.58 (8/17/2017) | 0.39 (9/30/2014) | (0.58 - 0.39)/(19 - 7) | 0.0158333 |
| 0.31 (10/26/2017) | 0.39 (9/30/2014) | (0.31 - 0.39)/(20 - 7) | -0.00615385 |
| ND<0.25 U (3/27/2018) | 0.39 (9/30/2014) | (0.25 - 0.39)/(21 - 7) | -0.01 |
| 0.528 (6/26/2018) | 0.39 (9/30/2014) | (0.528 - 0.39)/(22 - 7) | 0.0092 |
| 1.23 (8/1/2018) | 0.39 (9/30/2014) | (1.23 - 0.39)/(23 - 7) | 0.0525 |
| 0.574 (12/11/2018) | 0.39 (9/30/2014) | (0.574 - 0.39)/(24 - 7) | 0.0108235 |
| 0.272 (4/17/2019) | 0.39 (9/30/2014) | (0.272 - 0.39)/(25 - 7) | -0.00655556 |
| 0.82 (6/11/2019) | 0.39 (9/30/2014) | (0.82 - 0.39)/(26 - 7) | 0.0226316 |
| 0.764 (8/28/2019) | 0.39 (9/30/2014) | (0.764 - 0.39)/(27 - 7) | 0.0187 |
| 0.387 (10/28/2019) | 0.39 (9/30/2014) | (0.387 - 0.39)/(28 - 7) | -0.000142857 |
| 1 (3/31/2020) | 0.39 (9/30/2014) | (1 - 0.39)/(29 - 7) | 0.0277273 |
| 0.438 (6/10/2020) | 0.39 (9/30/2014) | (0.438 - 0.39)/(30 - 7) | 0.00208696 |
| 0.438 (6/10/2020) | 0.39 (9/30/2014) | (0.438 - 0.39)/(30 - 7) | 0.00208696 |
| ND<0.25 U (9/21/2020) | 0.39 (9/30/2014) | (0.25 - 0.39)/(31 - 7) | -0.00583333 |
| ND<0.25 U (12/17/2020) | 0.39 (9/30/2014) | (0.25 - 0.39)/(32 - 7) | -0.0056 |
| 0.621 (3/18/2021) | 0.39 (9/30/2014) | (0.621 - 0.39)/(33 - 7) | 0.00888462 |
| 0.61 (5/5/2021) | 0.39 (9/30/2014) | (0.61 - 0.39)/(34 - 7) | 0.00814815 |
| 0.779 (9/2/2021) | 0.39 (9/30/2014) | (0.779 - 0.39)/(35 - 7) | 0.0138929 |
| ND<0.25 U (11/23/2021) | 0.39 (9/30/2014) | (0.25 - 0.39)/(36 - 7) | -0.00482759 |
| 0.325 (1/10/2022) | 0.39 (9/30/2014) | (0.325 - 0.39)/(37 - 7) | -0.00216667 |
| 0.522 (4/7/2022) | 0.39 (9/30/2014) | (0.522 - 0.39)/(38 - 7) | 0.00425806 |
| 0.999 (8/3/2022) | 0.39 (9/30/2014) | (0.999 - 0.39)/(39 - 7) | 0.0190312 |
| 0.407 (11/16/2022) | 0.39 (9/30/2014) | (0.407 - 0.39)/(40 - 7) | 0.000515152 |
| 0.75 (2/13/2023) | 0.39 (9/30/2014) | (0.75 - 0.39)/(41 - 7) | 0.0105882 |
| 0.357 (5/24/2023) | 0.39 (9/30/2014) | (0.357 - 0.39)/(42 - 7) | -0.000942857 |
| 0.813 (8/7/2023) | 0.39 (9/30/2014) | (0.813 - 0.39)/(43 - 7) | 0.01175 |
| 0.412 (12/12/2023) | 0.39 (9/30/2014) | (0.412 - 0.39)/(44 - 7) | 0.000594595 |
| 0.437 (1/10/2024) | 0.39 (9/30/2014) | (0.437 - 0.39)/(45 - 7) | 0.00123684 |
| 0.496 (5/20/2024) | 0.39 (9/30/2014) | (0.496 - 0.39)/(46 - 7) | 0.00271795 |
| 0.399 (9/16/2024) | 0.39 (9/30/2014) | (0.399 - 0.39)/(47 - 7) | 0.000225 |
| 0.702 (12/11/2024) | 0.39 (9/30/2014) | (0.702 - 0.39)/(48 - 7) | 0.00760976 |
| 0.497 (2/18/2025) | 0.39 (9/30/2014) | (0.497 - 0.39)/(49 - 7) | 0.00254762 |
| | | | |
| 0.59 (3/23/2015) | 0.39 (11/19/2014) | (0.59 - 0.39)/(9 - 8) | 0.2 |
| 0.43 (4/22/2015) | 0.39 (11/19/2014) | (0.43 - 0.39)/(10 - 8) | 0.02 |
| 0.7 (9/30/2015) | 0.39 (11/19/2014) | (0.7 - 0.39)/(11 - 8) | 0.103333 |
| 0.77 (11/19/2015) | 0.39 (11/19/2014) | (0.77 - 0.39)/(12 - 8) | 0.095 |

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|---|---|---|---|
| 0.43 (3/15/2016) | 0.39 (11/19/2014) | (0.43 - 0.39)/(13 - 8) | 0.008 |
| 0.38 (6/29/2016) | 0.39 (11/19/2014) | (0.38 - 0.39)/(14 - 8) | -0.00166667 |
| 0.63 (8/9/2016) | 0.39 (11/19/2014) | (0.63 - 0.39)/(15 - 8) | 0.0342857 |
| 0.6 (12/7/2016) | 0.39 (11/19/2014) | (0.6 - 0.39)/(16 - 8) | 0.02625 |
| 0.58 (3/2/2017) | 0.39 (11/19/2014) | (0.58 - 0.39)/(17 - 8) | 0.0211111 |
| 0.77 (6/21/2017) | 0.39 (11/19/2014) | (0.77 - 0.39)/(18 - 8) | 0.038 |
| 0.58 (8/17/2017) | 0.39 (11/19/2014) | (0.58 - 0.39)/(19 - 8) | 0.0172727 |
| 0.31 (10/26/2017) | 0.39 (11/19/2014) | (0.31 - 0.39)/(20 - 8) | -0.00666667 |
| ND<0.25 U (3/27/2018) | 0.39 (11/19/2014) | (0.25 - 0.39)/(21 - 8) | -0.0107692 |
| 0.528 (6/26/2018) | 0.39 (11/19/2014) | (0.528 - 0.39)/(22 - 8) | 0.00985714 |
| 1.23 (8/1/2018) | 0.39 (11/19/2014) | (1.23 - 0.39)/(23 - 8) | 0.056 |
| 0.574 (12/11/2018) | 0.39 (11/19/2014) | (0.574 - 0.39)/(24 - 8) | 0.0115 |
| 0.272 (4/17/2019) | 0.39 (11/19/2014) | (0.272 - 0.39)/(25 - 8) | -0.00694118 |
| 0.82 (6/11/2019) | 0.39 (11/19/2014) | (0.82 - 0.39)/(26 - 8) | 0.0238889 |
| 0.764 (8/28/2019) | 0.39 (11/19/2014) | (0.764 - 0.39)/(27 - 8) | 0.0196842 |
| 0.387 (10/28/2019) | 0.39 (11/19/2014) | (0.387 - 0.39)/(28 - 8) | -0.00015 |
| 1 (3/31/2020) | 0.39 (11/19/2014) | (1 - 0.39)/(29 - 8) | 0.0290476 |
| 0.438 (6/10/2020) | 0.39 (11/19/2014) | (0.438 - 0.39)/(30 - 8) | 0.00218182 |
| 0.438 (6/10/2020) | 0.39 (11/19/2014) | (0.438 - 0.39)/(30 - 8) | 0.00218182 |
| ND<0.25 U (9/21/2020) | 0.39 (11/19/2014) | (0.25 - 0.39)/(31 - 8) | -0.00608696 |
| ND<0.25 U (12/17/2020) | 0.39 (11/19/2014) | (0.25 - 0.39)/(32 - 8) | -0.00583333 |
| 0.621 (3/18/2021) | 0.39 (11/19/2014) | (0.621 - 0.39)/(33 - 8) | 0.00924 |
| 0.61 (5/5/2021) | 0.39 (11/19/2014) | (0.61 - 0.39)/(34 - 8) | 0.00846154 |
| 0.779 (9/2/2021) | 0.39 (11/19/2014) | (0.779 - 0.39)/(35 - 8) | 0.0144074 |
| ND<0.25 U (11/23/2021) | 0.39 (11/19/2014) | (0.25 - 0.39)/(36 - 8) | -0.005 |
| 0.325 (1/10/2022) | 0.39 (11/19/2014) | (0.325 - 0.39)/(37 - 8) | -0.00224138 |
| 0.522 (4/7/2022) | 0.39 (11/19/2014) | (0.522 - 0.39)/(38 - 8) | 0.0044 |
| 0.999 (8/3/2022) | 0.39 (11/19/2014) | (0.999 - 0.39)/(39 - 8) | 0.0196452 |
| 0.407 (11/16/2022) | 0.39 (11/19/2014) | (0.407 - 0.39)/(40 - 8) | 0.00053125 |
| 0.75 (2/13/2023) | 0.39 (11/19/2014) | (0.75 - 0.39)/(41 - 8) | 0.0109091 |
| 0.357 (5/24/2023) | 0.39 (11/19/2014) | (0.357 - 0.39)/(42 - 8) | -0.000970588 |
| 0.813 (8/7/2023) | 0.39 (11/19/2014) | (0.813 - 0.39)/(43 - 8) | 0.0120857 |
| 0.412 (12/12/2023) | 0.39 (11/19/2014) | (0.412 - 0.39)/(44 - 8) | 0.000611111 |
| 0.437 (1/10/2024) | 0.39 (11/19/2014) | (0.437 - 0.39)/(45 - 8) | 0.00127027 |
| 0.496 (5/20/2024) | 0.39 (11/19/2014) | (0.496 - 0.39)/(46 - 8) | 0.00278947 |
| 0.399 (9/16/2024) | 0.39 (11/19/2014) | (0.399 - 0.39)/(47 - 8) | 0.000230769 |
| 0.702 (12/11/2024) | 0.39 (11/19/2014) | (0.702 - 0.39)/(48 - 8) | 0.0078 |
| 0.497 (2/18/2025) | 0.39 (11/19/2014) | (0.497 - 0.39)/(49 - 8) | 0.00260976 |

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|---|---|---|---|
| 0.43 (4/22/2015) | 0.59 (3/23/2015) | (0.43 - 0.59)/(10 - 9) | -0.16 |
| 0.7 (9/30/2015) | 0.59 (3/23/2015) | (0.7 - 0.59)/(11 - 9) | 0.055 |
| 0.77 (11/19/2015) | 0.59 (3/23/2015) | (0.77 - 0.59)/(12 - 9) | 0.06 |
| 0.43 (3/15/2016) | 0.59 (3/23/2015) | (0.43 - 0.59)/(13 - 9) | -0.04 |
| 0.38 (6/29/2016) | 0.59 (3/23/2015) | (0.38 - 0.59)/(14 - 9) | -0.042 |
| 0.63 (8/9/2016) | 0.59 (3/23/2015) | (0.63 - 0.59)/(15 - 9) | 0.00666667 |
| 0.6 (12/7/2016) | 0.59 (3/23/2015) | (0.6 - 0.59)/(16 - 9) | 0.00142857 |
| 0.58 (3/2/2017) | 0.59 (3/23/2015) | (0.58 - 0.59)/(17 - 9) | -0.00125 |
| 0.77 (6/21/2017) | 0.59 (3/23/2015) | (0.77 - 0.59)/(18 - 9) | 0.02 |
| 0.58 (8/17/2017) | 0.59 (3/23/2015) | (0.58 - 0.59)/(19 - 9) | -0.001 |
| 0.31 (10/26/2017) | 0.59 (3/23/2015) | (0.31 - 0.59)/(20 - 9) | -0.0254545 |
| ND<0.25 U (3/27/2018) | 0.59 (3/23/2015) | (0.25 - 0.59)/(21 - 9) | -0.0283333 |
| 0.528 (6/26/2018) | 0.59 (3/23/2015) | (0.528 - 0.59)/(22 - 9) | -0.00476923 |
| 1.23 (8/1/2018) | 0.59 (3/23/2015) | (1.23 - 0.59)/(23 - 9) | 0.0457143 |
| 0.574 (12/11/2018) | 0.59 (3/23/2015) | (0.574 - 0.59)/(24 - 9) | -0.00106667 |
| 0.272 (4/17/2019) | 0.59 (3/23/2015) | (0.272 - 0.59)/(25 - 9) | -0.019875 |
| 0.82 (6/11/2019) | 0.59 (3/23/2015) | (0.82 - 0.59)/(26 - 9) | 0.0135294 |
| 0.764 (8/28/2019) | 0.59 (3/23/2015) | (0.764 - 0.59)/(27 - 9) | 0.00966667 |

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|---|---|---|---|
| 0.387 (10/28/2019) | 0.59 (3/23/2015) | (0.387 - 0.59)/(28 - 9) | -0.0106842 |
| 1 (3/31/2020) | 0.59 (3/23/2015) | (1 - 0.59)/(29 - 9) | 0.0205 |
| 0.438 (6/10/2020) | 0.59 (3/23/2015) | (0.438 - 0.59)/(30 - 9) | -0.0072381 |
| 0.438 (6/10/2020) | 0.59 (3/23/2015) | (0.438 - 0.59)/(30 - 9) | -0.0072381 |
| ND<0.25 U (9/21/2020) | 0.59 (3/23/2015) | (0.25 - 0.59)/(31 - 9) | -0.0154545 |
| ND<0.25 U (12/17/2020) | 0.59 (3/23/2015) | (0.25 - 0.59)/(32 - 9) | -0.0147826 |
| 0.621 (3/18/2021) | 0.59 (3/23/2015) | (0.621 - 0.59)/(33 - 9) | 0.00129167 |
| 0.61 (5/5/2021) | 0.59 (3/23/2015) | (0.61 - 0.59)/(34 - 9) | 0.0008 |
| 0.779 (9/2/2021) | 0.59 (3/23/2015) | (0.779 - 0.59)/(35 - 9) | 0.00726923 |
| ND<0.25 U (11/23/2021) | 0.59 (3/23/2015) | (0.25 - 0.59)/(36 - 9) | -0.0125926 |
| 0.325 (1/10/2022) | 0.59 (3/23/2015) | (0.325 - 0.59)/(37 - 9) | -0.00946429 |
| 0.522 (4/7/2022) | 0.59 (3/23/2015) | (0.522 - 0.59)/(38 - 9) | -0.00234483 |
| 0.999 (8/3/2022) | 0.59 (3/23/2015) | (0.999 - 0.59)/(39 - 9) | 0.0136333 |
| 0.407 (11/16/2022) | 0.59 (3/23/2015) | (0.407 - 0.59)/(40 - 9) | -0.00590323 |
| 0.75 (2/13/2023) | 0.59 (3/23/2015) | (0.75 - 0.59)/(41 - 9) | 0.005 |
| 0.357 (5/24/2023) | 0.59 (3/23/2015) | (0.357 - 0.59)/(42 - 9) | -0.00706061 |
| 0.813 (8/7/2023) | 0.59 (3/23/2015) | (0.813 - 0.59)/(43 - 9) | 0.00655882 |
| 0.412 (12/12/2023) | 0.59 (3/23/2015) | (0.412 - 0.59)/(44 - 9) | -0.00508571 |
| 0.437 (1/10/2024) | 0.59 (3/23/2015) | (0.437 - 0.59)/(45 - 9) | -0.00425 |
| 0.496 (5/20/2024) | 0.59 (3/23/2015) | (0.496 - 0.59)/(46 - 9) | -0.00254054 |
| 0.399 (9/16/2024) | 0.59 (3/23/2015) | (0.399 - 0.59)/(47 - 9) | -0.00502632 |
| 0.702 (12/11/2024) | 0.59 (3/23/2015) | (0.702 - 0.59)/(48 - 9) | 0.00287179 |
| 0.497 (2/18/2025) | 0.59 (3/23/2015) | (0.497 - 0.59)/(49 - 9) | -0.002325 |

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|---|---|---|---|
| 0.7 (9/30/2015) | 0.43 (4/22/2015) | (0.7 - 0.43)/(11 - 10) | 0.27 |
| 0.77 (11/19/2015) | 0.43 (4/22/2015) | (0.77 - 0.43)/(12 - 10) | 0.17 |
| 0.43 (3/15/2016) | 0.43 (4/22/2015) | (0.43 - 0.43)/(13 - 10) | 0 |
| 0.38 (6/29/2016) | 0.43 (4/22/2015) | (0.38 - 0.43)/(14 - 10) | -0.0125 |
| 0.63 (8/9/2016) | 0.43 (4/22/2015) | (0.63 - 0.43)/(15 - 10) | 0.04 |
| 0.6 (12/7/2016) | 0.43 (4/22/2015) | (0.6 - 0.43)/(16 - 10) | 0.0283333 |
| 0.58 (3/2/2017) | 0.43 (4/22/2015) | (0.58 - 0.43)/(17 - 10) | 0.0214286 |
| 0.77 (6/21/2017) | 0.43 (4/22/2015) | (0.77 - 0.43)/(18 - 10) | 0.0425 |
| 0.58 (8/17/2017) | 0.43 (4/22/2015) | (0.58 - 0.43)/(19 - 10) | 0.0166667 |
| 0.31 (10/26/2017) | 0.43 (4/22/2015) | (0.31 - 0.43)/(20 - 10) | -0.012 |
| ND<0.25 U (3/27/2018) | 0.43 (4/22/2015) | (0.25 - 0.43)/(21 - 10) | -0.0163636 |
| 0.528 (6/26/2018) | 0.43 (4/22/2015) | (0.528 - 0.43)/(22 - 10) | 0.00816667 |
| 1.23 (8/1/2018) | 0.43 (4/22/2015) | (1.23 - 0.43)/(23 - 10) | 0.0615385 |
| 0.574 (12/11/2018) | 0.43 (4/22/2015) | (0.574 - 0.43)/(24 - 10) | 0.0102857 |
| 0.272 (4/17/2019) | 0.43 (4/22/2015) | (0.272 - 0.43)/(25 - 10) | -0.0105333 |
| 0.82 (6/11/2019) | 0.43 (4/22/2015) | (0.82 - 0.43)/(26 - 10) | 0.024375 |
| 0.764 (8/28/2019) | 0.43 (4/22/2015) | (0.764 - 0.43)/(27 - 10) | 0.0196471 |
| 0.387 (10/28/2019) | 0.43 (4/22/2015) | (0.387 - 0.43)/(28 - 10) | -0.00238889 |
| 1 (3/31/2020) | 0.43 (4/22/2015) | (1 - 0.43)/(29 - 10) | 0.03 |
| 0.438 (6/10/2020) | 0.43 (4/22/2015) | (0.438 - 0.43)/(30 - 10) | 0.0004 |
| 0.438 (6/10/2020) | 0.43 (4/22/2015) | (0.438 - 0.43)/(30 - 10) | 0.0004 |
| ND<0.25 U (9/21/2020) | 0.43 (4/22/2015) | (0.25 - 0.43)/(31 - 10) | -0.00857143 |
| ND<0.25 U (12/17/2020) | 0.43 (4/22/2015) | (0.25 - 0.43)/(32 - 10) | -0.00818182 |
| 0.621 (3/18/2021) | 0.43 (4/22/2015) | (0.621 - 0.43)/(33 - 10) | 0.00830435 |
| 0.61 (5/5/2021) | 0.43 (4/22/2015) | (0.61 - 0.43)/(34 - 10) | 0.0075 |
| 0.779 (9/2/2021) | 0.43 (4/22/2015) | (0.779 - 0.43)/(35 - 10) | 0.01396 |
| ND<0.25 U (11/23/2021) | 0.43 (4/22/2015) | (0.25 - 0.43)/(36 - 10) | -0.00692308 |
| 0.325 (1/10/2022) | 0.43 (4/22/2015) | (0.325 - 0.43)/(37 - 10) | -0.00388889 |
| 0.522 (4/7/2022) | 0.43 (4/22/2015) | (0.522 - 0.43)/(38 - 10) | 0.00328571 |
| 0.999 (8/3/2022) | 0.43 (4/22/2015) | (0.999 - 0.43)/(39 - 10) | 0.0196207 |
| 0.407 (11/16/2022) | 0.43 (4/22/2015) | (0.407 - 0.43)/(40 - 10) | -0.000766667 |
| 0.75 (2/13/2023) | 0.43 (4/22/2015) | (0.75 - 0.43)/(41 - 10) | 0.0103226 |
| 0.357 (5/24/2023) | 0.43 (4/22/2015) | (0.357 - 0.43)/(42 - 10) | -0.00228125 |

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|---|---|---|---|
| 0.813 (8/7/2023) | 0.43 (4/22/2015) | (0.813 - 0.43)/(43 - 10) | 0.0116061 |
| 0.412 (12/12/2023) | 0.43 (4/22/2015) | (0.412 - 0.43)/(44 - 10) | -0.000529412 |
| 0.437 (1/10/2024) | 0.43 (4/22/2015) | (0.437 - 0.43)/(45 - 10) | 0.0002 |
| 0.496 (5/20/2024) | 0.43 (4/22/2015) | (0.496 - 0.43)/(46 - 10) | 0.00183333 |
| 0.399 (9/16/2024) | 0.43 (4/22/2015) | (0.399 - 0.43)/(47 - 10) | -0.000837838 |
| 0.702 (12/11/2024) | 0.43 (4/22/2015) | (0.702 - 0.43)/(48 - 10) | 0.00715789 |
| 0.497 (2/18/2025) | 0.43 (4/22/2015) | (0.497 - 0.43)/(49 - 10) | 0.00171795 |
| | | | |
| 0.77 (11/19/2015) | 0.7 (9/30/2015) | (0.77 - 0.7)/(12 - 11) | 0.07 |
| 0.43 (3/15/2016) | 0.7 (9/30/2015) | (0.43 - 0.7)/(13 - 11) | -0.135 |
| 0.38 (6/29/2016) | 0.7 (9/30/2015) | (0.38 - 0.7)/(14 - 11) | -0.106667 |
| 0.63 (8/9/2016) | 0.7 (9/30/2015) | (0.63 - 0.7)/(15 - 11) | -0.0175 |
| 0.6 (12/7/2016) | 0.7 (9/30/2015) | (0.6 - 0.7)/(16 - 11) | -0.02 |
| 0.58 (3/2/2017) | 0.7 (9/30/2015) | (0.58 - 0.7)/(17 - 11) | -0.02 |
| 0.77 (6/21/2017) | 0.7 (9/30/2015) | (0.77 - 0.7)/(18 - 11) | 0.01 |
| 0.58 (8/17/2017) | 0.7 (9/30/2015) | (0.58 - 0.7)/(19 - 11) | -0.015 |
| 0.31 (10/26/2017) | 0.7 (9/30/2015) | (0.31 - 0.7)/(20 - 11) | -0.0433333 |
| ND<0.25 U (3/27/2018) | 0.7 (9/30/2015) | (0.25 - 0.7)/(21 - 11) | -0.045 |
| 0.528 (6/26/2018) | 0.7 (9/30/2015) | (0.528 - 0.7)/(22 - 11) | -0.0156364 |
| 1.23 (8/1/2018) | 0.7 (9/30/2015) | (1.23 - 0.7)/(23 - 11) | 0.0441667 |
| 0.574 (12/11/2018) | 0.7 (9/30/2015) | (0.574 - 0.7)/(24 - 11) | -0.00969231 |
| 0.272 (4/17/2019) | 0.7 (9/30/2015) | (0.272 - 0.7)/(25 - 11) | -0.0305714 |
| 0.82 (6/11/2019) | 0.7 (9/30/2015) | (0.82 - 0.7)/(26 - 11) | 0.008 |
| 0.764 (8/28/2019) | 0.7 (9/30/2015) | (0.764 - 0.7)/(27 - 11) | 0.004 |
| 0.387 (10/28/2019) | 0.7 (9/30/2015) | (0.387 - 0.7)/(28 - 11) | -0.0184118 |
| 1 (3/31/2020) | 0.7 (9/30/2015) | (1 - 0.7)/(29 - 11) | 0.0166667 |
| 0.438 (6/10/2020) | 0.7 (9/30/2015) | (0.438 - 0.7)/(30 - 11) | -0.0137895 |
| 0.438 (6/10/2020) | 0.7 (9/30/2015) | (0.438 - 0.7)/(30 - 11) | -0.0137895 |
| ND<0.25 U (9/21/2020) | 0.7 (9/30/2015) | (0.25 - 0.7)/(31 - 11) | -0.0225 |
| ND<0.25 U (12/17/2020) | 0.7 (9/30/2015) | (0.25 - 0.7)/(32 - 11) | -0.0214286 |
| 0.621 (3/18/2021) | 0.7 (9/30/2015) | (0.621 - 0.7)/(33 - 11) | -0.00359091 |
| 0.61 (5/5/2021) | 0.7 (9/30/2015) | (0.61 - 0.7)/(34 - 11) | -0.00391304 |
| 0.779 (9/2/2021) | 0.7 (9/30/2015) | (0.779 - 0.7)/(35 - 11) | 0.00329167 |
| ND<0.25 U (11/23/2021) | 0.7 (9/30/2015) | (0.25 - 0.7)/(36 - 11) | -0.018 |
| 0.325 (1/10/2022) | 0.7 (9/30/2015) | (0.325 - 0.7)/(37 - 11) | -0.0144231 |
| 0.522 (4/7/2022) | 0.7 (9/30/2015) | (0.522 - 0.7)/(38 - 11) | -0.00659259 |
| 0.999 (8/3/2022) | 0.7 (9/30/2015) | (0.999 - 0.7)/(39 - 11) | 0.0106786 |
| 0.407 (11/16/2022) | 0.7 (9/30/2015) | (0.407 - 0.7)/(40 - 11) | -0.0101034 |
| 0.75 (2/13/2023) | 0.7 (9/30/2015) | (0.75 - 0.7)/(41 - 11) | 0.00166667 |
| 0.357 (5/24/2023) | 0.7 (9/30/2015) | (0.357 - 0.7)/(42 - 11) | -0.0110645 |
| 0.813 (8/7/2023) | 0.7 (9/30/2015) | (0.813 - 0.7)/(43 - 11) | 0.00353125 |
| 0.412 (12/12/2023) | 0.7 (9/30/2015) | (0.412 - 0.7)/(44 - 11) | -0.00872727 |
| 0.437 (1/10/2024) | 0.7 (9/30/2015) | (0.437 - 0.7)/(45 - 11) | -0.00773529 |
| 0.496 (5/20/2024) | 0.7 (9/30/2015) | (0.496 - 0.7)/(46 - 11) | -0.00582857 |
| 0.399 (9/16/2024) | 0.7 (9/30/2015) | (0.399 - 0.7)/(47 - 11) | -0.00836111 |
| 0.702 (12/11/2024) | 0.7 (9/30/2015) | (0.702 - 0.7)/(48 - 11) | 5.40541e-05 |
| 0.497 (2/18/2025) | 0.7 (9/30/2015) | (0.497 - 0.7)/(49 - 11) | -0.00534211 |
| | | | |
| 0.43 (3/15/2016) | 0.77 (11/19/2015) | (0.43 - 0.77)/(13 - 12) | -0.34 |
| 0.38 (6/29/2016) | 0.77 (11/19/2015) | (0.38 - 0.77)/(14 - 12) | -0.195 |
| 0.63 (8/9/2016) | 0.77 (11/19/2015) | (0.63 - 0.77)/(15 - 12) | -0.0466667 |
| 0.6 (12/7/2016) | 0.77 (11/19/2015) | (0.6 - 0.77)/(16 - 12) | -0.0425 |
| 0.58 (3/2/2017) | 0.77 (11/19/2015) | (0.58 - 0.77)/(17 - 12) | -0.038 |
| 0.77 (6/21/2017) | 0.77 (11/19/2015) | (0.77 - 0.77)/(18 - 12) | 0 |
| 0.58 (8/17/2017) | 0.77 (11/19/2015) | (0.58 - 0.77)/(19 - 12) | -0.0271429 |
| 0.31 (10/26/2017) | 0.77 (11/19/2015) | (0.31 - 0.77)/(20 - 12) | -0.0575 |
| ND<0.25 U (3/27/2018) | 0.77 (11/19/2015) | (0.25 - 0.77)/(21 - 12) | -0.0577778 |

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|---|---|---|---|
| 0.528 (6/26/2018) | 0.77 (11/19/2015) | (0.528 - 0.77)/(22 - 12) | -0.0242 |
| 1.23 (8/1/2018) | 0.77 (11/19/2015) | (1.23 - 0.77)/(23 - 12) | 0.0418182 |
| 0.574 (12/11/2018) | 0.77 (11/19/2015) | (0.574 - 0.77)/(24 - 12) | -0.0163333 |
| 0.272 (4/17/2019) | 0.77 (11/19/2015) | (0.272 - 0.77)/(25 - 12) | -0.0383077 |
| 0.82 (6/11/2019) | 0.77 (11/19/2015) | (0.82 - 0.77)/(26 - 12) | 0.00357143 |
| 0.764 (8/28/2019) | 0.77 (11/19/2015) | (0.764 - 0.77)/(27 - 12) | -0.0004 |
| 0.387 (10/28/2019) | 0.77 (11/19/2015) | (0.387 - 0.77)/(28 - 12) | -0.0239375 |
| 1 (3/31/2020) | 0.77 (11/19/2015) | (1 - 0.77)/(29 - 12) | 0.0135294 |
| 0.438 (6/10/2020) | 0.77 (11/19/2015) | (0.438 - 0.77)/(30 - 12) | -0.0184444 |
| 0.438 (6/10/2020) | 0.77 (11/19/2015) | (0.438 - 0.77)/(30 - 12) | -0.0184444 |
| ND<0.25 U (9/21/2020) | 0.77 (11/19/2015) | (0.25 - 0.77)/(31 - 12) | -0.0273684 |
| ND<0.25 U (12/17/2020) | 0.77 (11/19/2015) | (0.25 - 0.77)/(32 - 12) | -0.026 |
| 0.621 (3/18/2021) | 0.77 (11/19/2015) | (0.621 - 0.77)/(33 - 12) | -0.00709524 |
| 0.61 (5/5/2021) | 0.77 (11/19/2015) | (0.61 - 0.77)/(34 - 12) | -0.00727273 |
| 0.779 (9/2/2021) | 0.77 (11/19/2015) | (0.779 - 0.77)/(35 - 12) | 0.000391304 |
| ND<0.25 U (11/23/2021) | 0.77 (11/19/2015) | (0.25 - 0.77)/(36 - 12) | -0.0216667 |
| 0.325 (1/10/2022) | 0.77 (11/19/2015) | (0.325 - 0.77)/(37 - 12) | -0.0178 |
| 0.522 (4/7/2022) | 0.77 (11/19/2015) | (0.522 - 0.77)/(38 - 12) | -0.00953846 |
| 0.999 (8/3/2022) | 0.77 (11/19/2015) | (0.999 - 0.77)/(39 - 12) | 0.00848148 |
| 0.407 (11/16/2022) | 0.77 (11/19/2015) | (0.407 - 0.77)/(40 - 12) | -0.0129643 |
| 0.75 (2/13/2023) | 0.77 (11/19/2015) | (0.75 - 0.77)/(41 - 12) | -0.000689655 |
| 0.357 (5/24/2023) | 0.77 (11/19/2015) | (0.357 - 0.77)/(42 - 12) | -0.0137667 |
| 0.813 (8/7/2023) | 0.77 (11/19/2015) | (0.813 - 0.77)/(43 - 12) | 0.0013871 |
| 0.412 (12/12/2023) | 0.77 (11/19/2015) | (0.412 - 0.77)/(44 - 12) | -0.0111875 |
| 0.437 (1/10/2024) | 0.77 (11/19/2015) | (0.437 - 0.77)/(45 - 12) | -0.0100909 |
| 0.496 (5/20/2024) | 0.77 (11/19/2015) | (0.496 - 0.77)/(46 - 12) | -0.00805882 |
| 0.399 (9/16/2024) | 0.77 (11/19/2015) | (0.399 - 0.77)/(47 - 12) | -0.0106 |
| 0.702 (12/11/2024) | 0.77 (11/19/2015) | (0.702 - 0.77)/(48 - 12) | -0.00188889 |
| 0.497 (2/18/2025) | 0.77 (11/19/2015) | (0.497 - 0.77)/(49 - 12) | -0.00737838 |

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|---|---|---|---|
| 0.38 (6/29/2016) | 0.43 (3/15/2016) | (0.38 - 0.43)/(14 - 13) | -0.05 |
| 0.63 (8/9/2016) | 0.43 (3/15/2016) | (0.63 - 0.43)/(15 - 13) | 0.1 |
| 0.6 (12/7/2016) | 0.43 (3/15/2016) | (0.6 - 0.43)/(16 - 13) | 0.0566667 |
| 0.58 (3/2/2017) | 0.43 (3/15/2016) | (0.58 - 0.43)/(17 - 13) | 0.0375 |
| 0.77 (6/21/2017) | 0.43 (3/15/2016) | (0.77 - 0.43)/(18 - 13) | 0.068 |
| 0.58 (8/17/2017) | 0.43 (3/15/2016) | (0.58 - 0.43)/(19 - 13) | 0.025 |
| 0.31 (10/26/2017) | 0.43 (3/15/2016) | (0.31 - 0.43)/(20 - 13) | -0.0171429 |
| ND<0.25 U (3/27/2018) | 0.43 (3/15/2016) | (0.25 - 0.43)/(21 - 13) | -0.0225 |
| 0.528 (6/26/2018) | 0.43 (3/15/2016) | (0.528 - 0.43)/(22 - 13) | 0.0108889 |
| 1.23 (8/1/2018) | 0.43 (3/15/2016) | (1.23 - 0.43)/(23 - 13) | 0.08 |
| 0.574 (12/11/2018) | 0.43 (3/15/2016) | (0.574 - 0.43)/(24 - 13) | 0.0130909 |
| 0.272 (4/17/2019) | 0.43 (3/15/2016) | (0.272 - 0.43)/(25 - 13) | -0.0131667 |
| 0.82 (6/11/2019) | 0.43 (3/15/2016) | (0.82 - 0.43)/(26 - 13) | 0.03 |
| 0.764 (8/28/2019) | 0.43 (3/15/2016) | (0.764 - 0.43)/(27 - 13) | 0.0238571 |
| 0.387 (10/28/2019) | 0.43 (3/15/2016) | (0.387 - 0.43)/(28 - 13) | -0.00286667 |
| 1 (3/31/2020) | 0.43 (3/15/2016) | (1 - 0.43)/(29 - 13) | 0.035625 |
| 0.438 (6/10/2020) | 0.43 (3/15/2016) | (0.438 - 0.43)/(30 - 13) | 0.000470588 |
| 0.438 (6/10/2020) | 0.43 (3/15/2016) | (0.438 - 0.43)/(30 - 13) | 0.000470588 |
| ND<0.25 U (9/21/2020) | 0.43 (3/15/2016) | (0.25 - 0.43)/(31 - 13) | -0.01 |
| ND<0.25 U (12/17/2020) | 0.43 (3/15/2016) | (0.25 - 0.43)/(32 - 13) | -0.00947368 |
| 0.621 (3/18/2021) | 0.43 (3/15/2016) | (0.621 - 0.43)/(33 - 13) | 0.00955 |
| 0.61 (5/5/2021) | 0.43 (3/15/2016) | (0.61 - 0.43)/(34 - 13) | 0.00857143 |
| 0.779 (9/2/2021) | 0.43 (3/15/2016) | (0.779 - 0.43)/(35 - 13) | 0.0158636 |
| ND<0.25 U (11/23/2021) | 0.43 (3/15/2016) | (0.25 - 0.43)/(36 - 13) | -0.00782609 |
| 0.325 (1/10/2022) | 0.43 (3/15/2016) | (0.325 - 0.43)/(37 - 13) | -0.004375 |
| 0.522 (4/7/2022) | 0.43 (3/15/2016) | (0.522 - 0.43)/(38 - 13) | 0.00368 |
| 0.999 (8/3/2022) | 0.43 (3/15/2016) | (0.999 - 0.43)/(39 - 13) | 0.0218846 |

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|---|---|---|---|
| 0.407 (11/16/2022) | 0.43 (3/15/2016) | (0.407 - 0.43)/(40 - 13) | -0.000851852 |
| 0.75 (2/13/2023) | 0.43 (3/15/2016) | (0.75 - 0.43)/(41 - 13) | 0.0114286 |
| 0.357 (5/24/2023) | 0.43 (3/15/2016) | (0.357 - 0.43)/(42 - 13) | -0.00251724 |
| 0.813 (8/7/2023) | 0.43 (3/15/2016) | (0.813 - 0.43)/(43 - 13) | 0.0127667 |
| 0.412 (12/12/2023) | 0.43 (3/15/2016) | (0.412 - 0.43)/(44 - 13) | -0.000580645 |
| 0.437 (1/10/2024) | 0.43 (3/15/2016) | (0.437 - 0.43)/(45 - 13) | 0.00021875 |
| 0.496 (5/20/2024) | 0.43 (3/15/2016) | (0.496 - 0.43)/(46 - 13) | 0.002 |
| 0.399 (9/16/2024) | 0.43 (3/15/2016) | (0.399 - 0.43)/(47 - 13) | -0.000911765 |
| 0.702 (12/11/2024) | 0.43 (3/15/2016) | (0.702 - 0.43)/(48 - 13) | 0.00777143 |
| 0.497 (2/18/2025) | 0.43 (3/15/2016) | (0.497 - 0.43)/(49 - 13) | 0.00186111 |
| | | | |
| 0.63 (8/9/2016) | 0.38 (6/29/2016) | (0.63 - 0.38)/(15 - 14) | 0.25 |
| 0.6 (12/7/2016) | 0.38 (6/29/2016) | (0.6 - 0.38)/(16 - 14) | 0.11 |
| 0.58 (3/2/2017) | 0.38 (6/29/2016) | (0.58 - 0.38)/(17 - 14) | 0.0666667 |
| 0.77 (6/21/2017) | 0.38 (6/29/2016) | (0.77 - 0.38)/(18 - 14) | 0.0975 |
| 0.58 (8/17/2017) | 0.38 (6/29/2016) | (0.58 - 0.38)/(19 - 14) | 0.04 |
| 0.31 (10/26/2017) | 0.38 (6/29/2016) | (0.31 - 0.38)/(20 - 14) | -0.0116667 |
| ND<0.25 U (3/27/2018) | 0.38 (6/29/2016) | (0.25 - 0.38)/(21 - 14) | -0.0185714 |
| 0.528 (6/26/2018) | 0.38 (6/29/2016) | (0.528 - 0.38)/(22 - 14) | 0.0185 |
| 1.23 (8/1/2018) | 0.38 (6/29/2016) | (1.23 - 0.38)/(23 - 14) | 0.0944444 |
| 0.574 (12/11/2018) | 0.38 (6/29/2016) | (0.574 - 0.38)/(24 - 14) | 0.0194 |
| 0.272 (4/17/2019) | 0.38 (6/29/2016) | (0.272 - 0.38)/(25 - 14) | -0.00981818 |
| 0.82 (6/11/2019) | 0.38 (6/29/2016) | (0.82 - 0.38)/(26 - 14) | 0.0366667 |
| 0.764 (8/28/2019) | 0.38 (6/29/2016) | (0.764 - 0.38)/(27 - 14) | 0.0295385 |
| 0.387 (10/28/2019) | 0.38 (6/29/2016) | (0.387 - 0.38)/(28 - 14) | 0.0005 |
| 1 (3/31/2020) | 0.38 (6/29/2016) | (1 - 0.38)/(29 - 14) | 0.0413333 |
| 0.438 (6/10/2020) | 0.38 (6/29/2016) | (0.438 - 0.38)/(30 - 14) | 0.003625 |
| 0.438 (6/10/2020) | 0.38 (6/29/2016) | (0.438 - 0.38)/(30 - 14) | 0.003625 |
| ND<0.25 U (9/21/2020) | 0.38 (6/29/2016) | (0.25 - 0.38)/(31 - 14) | -0.00764706 |
| ND<0.25 U (12/17/2020) | 0.38 (6/29/2016) | (0.25 - 0.38)/(32 - 14) | -0.00722222 |
| 0.621 (3/18/2021) | 0.38 (6/29/2016) | (0.621 - 0.38)/(33 - 14) | 0.0126842 |
| 0.61 (5/5/2021) | 0.38 (6/29/2016) | (0.61 - 0.38)/(34 - 14) | 0.0115 |
| 0.779 (9/2/2021) | 0.38 (6/29/2016) | (0.779 - 0.38)/(35 - 14) | 0.019 |
| ND<0.25 U (11/23/2021) | 0.38 (6/29/2016) | (0.25 - 0.38)/(36 - 14) | -0.00590909 |
| 0.325 (1/10/2022) | 0.38 (6/29/2016) | (0.325 - 0.38)/(37 - 14) | -0.0023913 |
| 0.522 (4/7/2022) | 0.38 (6/29/2016) | (0.522 - 0.38)/(38 - 14) | 0.00591667 |
| 0.999 (8/3/2022) | 0.38 (6/29/2016) | (0.999 - 0.38)/(39 - 14) | 0.02476 |
| 0.407 (11/16/2022) | 0.38 (6/29/2016) | (0.407 - 0.38)/(40 - 14) | 0.00103846 |
| 0.75 (2/13/2023) | 0.38 (6/29/2016) | (0.75 - 0.38)/(41 - 14) | 0.0137037 |
| 0.357 (5/24/2023) | 0.38 (6/29/2016) | (0.357 - 0.38)/(42 - 14) | -0.000821429 |
| 0.813 (8/7/2023) | 0.38 (6/29/2016) | (0.813 - 0.38)/(43 - 14) | 0.014931 |
| 0.412 (12/12/2023) | 0.38 (6/29/2016) | (0.412 - 0.38)/(44 - 14) | 0.00106667 |
| 0.437 (1/10/2024) | 0.38 (6/29/2016) | (0.437 - 0.38)/(45 - 14) | 0.00183871 |
| 0.496 (5/20/2024) | 0.38 (6/29/2016) | (0.496 - 0.38)/(46 - 14) | 0.003625 |
| 0.399 (9/16/2024) | 0.38 (6/29/2016) | (0.399 - 0.38)/(47 - 14) | 0.000575758 |
| 0.702 (12/11/2024) | 0.38 (6/29/2016) | (0.702 - 0.38)/(48 - 14) | 0.00947059 |
| 0.497 (2/18/2025) | 0.38 (6/29/2016) | (0.497 - 0.38)/(49 - 14) | 0.00334286 |
| | | | |
| 0.6 (12/7/2016) | 0.63 (8/9/2016) | (0.6 - 0.63)/(16 - 15) | -0.03 |
| 0.58 (3/2/2017) | 0.63 (8/9/2016) | (0.58 - 0.63)/(17 - 15) | -0.025 |
| 0.77 (6/21/2017) | 0.63 (8/9/2016) | (0.77 - 0.63)/(18 - 15) | 0.0466667 |
| 0.58 (8/17/2017) | 0.63 (8/9/2016) | (0.58 - 0.63)/(19 - 15) | -0.0125 |
| 0.31 (10/26/2017) | 0.63 (8/9/2016) | (0.31 - 0.63)/(20 - 15) | -0.064 |
| ND<0.25 U (3/27/2018) | 0.63 (8/9/2016) | (0.25 - 0.63)/(21 - 15) | -0.0633333 |
| 0.528 (6/26/2018) | 0.63 (8/9/2016) | (0.528 - 0.63)/(22 - 15) | -0.0145714 |
| 1.23 (8/1/2018) | 0.63 (8/9/2016) | (1.23 - 0.63)/(23 - 15) | 0.075 |
| 0.574 (12/11/2018) | 0.63 (8/9/2016) | (0.574 - 0.63)/(24 - 15) | -0.00622222 |

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| 0.272 (4/17/2019) | 0.63 (8/9/2016) | (0.272 - 0.63)/(25 - 15) | -0.0358 |
| 0.82 (6/11/2019) | 0.63 (8/9/2016) | (0.82 - 0.63)/(26 - 15) | 0.0172727 |
| 0.764 (8/28/2019) | 0.63 (8/9/2016) | (0.764 - 0.63)/(27 - 15) | 0.0111667 |
| 0.387 (10/28/2019) | 0.63 (8/9/2016) | (0.387 - 0.63)/(28 - 15) | -0.0186923 |
| 1 (3/31/2020) | 0.63 (8/9/2016) | (1 - 0.63)/(29 - 15) | 0.0264286 |
| 0.438 (6/10/2020) | 0.63 (8/9/2016) | (0.438 - 0.63)/(30 - 15) | -0.0128 |
| 0.438 (6/10/2020) | 0.63 (8/9/2016) | (0.438 - 0.63)/(30 - 15) | -0.0128 |
| ND<0.25 U (9/21/2020) | 0.63 (8/9/2016) | (0.25 - 0.63)/(31 - 15) | -0.02375 |
| ND<0.25 U (12/17/2020) | 0.63 (8/9/2016) | (0.25 - 0.63)/(32 - 15) | -0.0223529 |
| 0.621 (3/18/2021) | 0.63 (8/9/2016) | (0.621 - 0.63)/(33 - 15) | -0.0005 |
| 0.61 (5/5/2021) | 0.63 (8/9/2016) | (0.61 - 0.63)/(34 - 15) | -0.00105263 |
| 0.779 (9/2/2021) | 0.63 (8/9/2016) | (0.779 - 0.63)/(35 - 15) | 0.00745 |
| ND<0.25 U (11/23/2021) | 0.63 (8/9/2016) | (0.25 - 0.63)/(36 - 15) | -0.0180952 |
| 0.325 (1/10/2022) | 0.63 (8/9/2016) | (0.325 - 0.63)/(37 - 15) | -0.0138636 |
| 0.522 (4/7/2022) | 0.63 (8/9/2016) | (0.522 - 0.63)/(38 - 15) | -0.00469565 |
| 0.999 (8/3/2022) | 0.63 (8/9/2016) | (0.999 - 0.63)/(39 - 15) | 0.015375 |
| 0.407 (11/16/2022) | 0.63 (8/9/2016) | (0.407 - 0.63)/(40 - 15) | -0.00892 |
| 0.75 (2/13/2023) | 0.63 (8/9/2016) | (0.75 - 0.63)/(41 - 15) | 0.00461538 |
| 0.357 (5/24/2023) | 0.63 (8/9/2016) | (0.357 - 0.63)/(42 - 15) | -0.0101111 |
| 0.813 (8/7/2023) | 0.63 (8/9/2016) | (0.813 - 0.63)/(43 - 15) | 0.00653571 |
| 0.412 (12/12/2023) | 0.63 (8/9/2016) | (0.412 - 0.63)/(44 - 15) | -0.00751724 |
| 0.437 (1/10/2024) | 0.63 (8/9/2016) | (0.437 - 0.63)/(45 - 15) | -0.00643333 |
| 0.496 (5/20/2024) | 0.63 (8/9/2016) | (0.496 - 0.63)/(46 - 15) | -0.00432258 |
| 0.399 (9/16/2024) | 0.63 (8/9/2016) | (0.399 - 0.63)/(47 - 15) | -0.00721875 |
| 0.702 (12/11/2024) | 0.63 (8/9/2016) | (0.702 - 0.63)/(48 - 15) | 0.00218182 |
| 0.497 (2/18/2025) | 0.63 (8/9/2016) | (0.497 - 0.63)/(49 - 15) | -0.00391176 |
| | | | |
| 0.58 (3/2/2017) | 0.6 (12/7/2016) | (0.58 - 0.6)/(17 - 16) | -0.02 |
| 0.77 (6/21/2017) | 0.6 (12/7/2016) | (0.77 - 0.6)/(18 - 16) | 0.085 |
| 0.58 (8/17/2017) | 0.6 (12/7/2016) | (0.58 - 0.6)/(19 - 16) | -0.00666667 |
| 0.31 (10/26/2017) | 0.6 (12/7/2016) | (0.31 - 0.6)/(20 - 16) | -0.0725 |
| ND<0.25 U (3/27/2018) | 0.6 (12/7/2016) | (0.25 - 0.6)/(21 - 16) | -0.07 |
| 0.528 (6/26/2018) | 0.6 (12/7/2016) | (0.528 - 0.6)/(22 - 16) | -0.012 |
| 1.23 (8/1/2018) | 0.6 (12/7/2016) | (1.23 - 0.6)/(23 - 16) | 0.09 |
| 0.574 (12/11/2018) | 0.6 (12/7/2016) | (0.574 - 0.6)/(24 - 16) | -0.00325 |
| 0.272 (4/17/2019) | 0.6 (12/7/2016) | (0.272 - 0.6)/(25 - 16) | -0.0364444 |
| 0.82 (6/11/2019) | 0.6 (12/7/2016) | (0.82 - 0.6)/(26 - 16) | 0.022 |
| 0.764 (8/28/2019) | 0.6 (12/7/2016) | (0.764 - 0.6)/(27 - 16) | 0.0149091 |
| 0.387 (10/28/2019) | 0.6 (12/7/2016) | (0.387 - 0.6)/(28 - 16) | -0.01775 |
| 1 (3/31/2020) | 0.6 (12/7/2016) | (1 - 0.6)/(29 - 16) | 0.0307692 |
| 0.438 (6/10/2020) | 0.6 (12/7/2016) | (0.438 - 0.6)/(30 - 16) | -0.0115714 |
| 0.438 (6/10/2020) | 0.6 (12/7/2016) | (0.438 - 0.6)/(30 - 16) | -0.0115714 |
| ND<0.25 U (9/21/2020) | 0.6 (12/7/2016) | (0.25 - 0.6)/(31 - 16) | -0.0233333 |
| ND<0.25 U (12/17/2020) | 0.6 (12/7/2016) | (0.25 - 0.6)/(32 - 16) | -0.021875 |
| 0.621 (3/18/2021) | 0.6 (12/7/2016) | (0.621 - 0.6)/(33 - 16) | 0.00123529 |
| 0.61 (5/5/2021) | 0.6 (12/7/2016) | (0.61 - 0.6)/(34 - 16) | 0.000555556 |
| 0.779 (9/2/2021) | 0.6 (12/7/2016) | (0.779 - 0.6)/(35 - 16) | 0.00942105 |
| ND<0.25 U (11/23/2021) | 0.6 (12/7/2016) | (0.25 - 0.6)/(36 - 16) | -0.0175 |
| 0.325 (1/10/2022) | 0.6 (12/7/2016) | (0.325 - 0.6)/(37 - 16) | -0.0130952 |
| 0.522 (4/7/2022) | 0.6 (12/7/2016) | (0.522 - 0.6)/(38 - 16) | -0.00354545 |
| 0.999 (8/3/2022) | 0.6 (12/7/2016) | (0.999 - 0.6)/(39 - 16) | 0.0173478 |
| 0.407 (11/16/2022) | 0.6 (12/7/2016) | (0.407 - 0.6)/(40 - 16) | -0.00804167 |
| 0.75 (2/13/2023) | 0.6 (12/7/2016) | (0.75 - 0.6)/(41 - 16) | 0.006 |
| 0.357 (5/24/2023) | 0.6 (12/7/2016) | (0.357 - 0.6)/(42 - 16) | -0.00934615 |
| 0.813 (8/7/2023) | 0.6 (12/7/2016) | (0.813 - 0.6)/(43 - 16) | 0.00788889 |
| 0.412 (12/12/2023) | 0.6 (12/7/2016) | (0.412 - 0.6)/(44 - 16) | -0.00671429 |
| 0.437 (1/10/2024) | 0.6 (12/7/2016) | (0.437 - 0.6)/(45 - 16) | -0.00562069 |

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|---|---|---|---|
| 0.496 (5/20/2024) | 0.6 (12/7/2016) | (0.496 - 0.6)/(46 - 16) | -0.00346667 |
| 0.399 (9/16/2024) | 0.6 (12/7/2016) | (0.399 - 0.6)/(47 - 16) | -0.00648387 |
| 0.702 (12/11/2024) | 0.6 (12/7/2016) | (0.702 - 0.6)/(48 - 16) | 0.0031875 |
| 0.497 (2/18/2025) | 0.6 (12/7/2016) | (0.497 - 0.6)/(49 - 16) | -0.00312121 |
| | | | |
| 0.77 (6/21/2017) | 0.58 (3/2/2017) | (0.77 - 0.58)/(18 - 17) | 0.19 |
| 0.58 (8/17/2017) | 0.58 (3/2/2017) | (0.58 - 0.58)/(19 - 17) | 0 |
| 0.31 (10/26/2017) | 0.58 (3/2/2017) | (0.31 - 0.58)/(20 - 17) | -0.09 |
| ND<0.25 U (3/27/2018) | 0.58 (3/2/2017) | (0.25 - 0.58)/(21 - 17) | -0.0825 |
| 0.528 (6/26/2018) | 0.58 (3/2/2017) | (0.528 - 0.58)/(22 - 17) | -0.0104 |
| 1.23 (8/1/2018) | 0.58 (3/2/2017) | (1.23 - 0.58)/(23 - 17) | 0.108333 |
| 0.574 (12/11/2018) | 0.58 (3/2/2017) | (0.574 - 0.58)/(24 - 17) | -0.000857143 |
| 0.272 (4/17/2019) | 0.58 (3/2/2017) | (0.272 - 0.58)/(25 - 17) | -0.0385 |
| 0.82 (6/11/2019) | 0.58 (3/2/2017) | (0.82 - 0.58)/(26 - 17) | 0.0266667 |
| 0.764 (8/28/2019) | 0.58 (3/2/2017) | (0.764 - 0.58)/(27 - 17) | 0.0184 |
| 0.387 (10/28/2019) | 0.58 (3/2/2017) | (0.387 - 0.58)/(28 - 17) | -0.0175455 |
| 1 (3/31/2020) | 0.58 (3/2/2017) | (1 - 0.58)/(29 - 17) | 0.035 |
| 0.438 (6/10/2020) | 0.58 (3/2/2017) | (0.438 - 0.58)/(30 - 17) | -0.0109231 |
| 0.438 (6/10/2020) | 0.58 (3/2/2017) | (0.438 - 0.58)/(30 - 17) | -0.0109231 |
| ND<0.25 U (9/21/2020) | 0.58 (3/2/2017) | (0.25 - 0.58)/(31 - 17) | -0.0235714 |
| ND<0.25 U (12/17/2020) | 0.58 (3/2/2017) | (0.25 - 0.58)/(32 - 17) | -0.022 |
| 0.621 (3/18/2021) | 0.58 (3/2/2017) | (0.621 - 0.58)/(33 - 17) | 0.0025625 |
| 0.61 (5/5/2021) | 0.58 (3/2/2017) | (0.61 - 0.58)/(34 - 17) | 0.00176471 |
| 0.779 (9/2/2021) | 0.58 (3/2/2017) | (0.779 - 0.58)/(35 - 17) | 0.0110556 |
| ND<0.25 U (11/23/2021) | 0.58 (3/2/2017) | (0.25 - 0.58)/(36 - 17) | -0.0173684 |
| 0.325 (1/10/2022) | 0.58 (3/2/2017) | (0.325 - 0.58)/(37 - 17) | -0.01275 |
| 0.522 (4/7/2022) | 0.58 (3/2/2017) | (0.522 - 0.58)/(38 - 17) | -0.0027619 |
| 0.999 (8/3/2022) | 0.58 (3/2/2017) | (0.999 - 0.58)/(39 - 17) | 0.0190455 |
| 0.407 (11/16/2022) | 0.58 (3/2/2017) | (0.407 - 0.58)/(40 - 17) | -0.00752174 |
| 0.75 (2/13/2023) | 0.58 (3/2/2017) | (0.75 - 0.58)/(41 - 17) | 0.00708333 |
| 0.357 (5/24/2023) | 0.58 (3/2/2017) | (0.357 - 0.58)/(42 - 17) | -0.00892 |
| 0.813 (8/7/2023) | 0.58 (3/2/2017) | (0.813 - 0.58)/(43 - 17) | 0.00896154 |
| 0.412 (12/12/2023) | 0.58 (3/2/2017) | (0.412 - 0.58)/(44 - 17) | -0.00622222 |
| 0.437 (1/10/2024) | 0.58 (3/2/2017) | (0.437 - 0.58)/(45 - 17) | -0.00510714 |
| 0.496 (5/20/2024) | 0.58 (3/2/2017) | (0.496 - 0.58)/(46 - 17) | -0.00289655 |
| 0.399 (9/16/2024) | 0.58 (3/2/2017) | (0.399 - 0.58)/(47 - 17) | -0.00603333 |
| 0.702 (12/11/2024) | 0.58 (3/2/2017) | (0.702 - 0.58)/(48 - 17) | 0.00393548 |
| 0.497 (2/18/2025) | 0.58 (3/2/2017) | (0.497 - 0.58)/(49 - 17) | -0.00259375 |
| | | | |
| 0.58 (8/17/2017) | 0.77 (6/21/2017) | (0.58 - 0.77)/(19 - 18) | -0.19 |
| 0.31 (10/26/2017) | 0.77 (6/21/2017) | (0.31 - 0.77)/(20 - 18) | -0.23 |
| ND<0.25 U (3/27/2018) | 0.77 (6/21/2017) | (0.25 - 0.77)/(21 - 18) | -0.173333 |
| 0.528 (6/26/2018) | 0.77 (6/21/2017) | (0.528 - 0.77)/(22 - 18) | -0.0605 |
| 1.23 (8/1/2018) | 0.77 (6/21/2017) | (1.23 - 0.77)/(23 - 18) | 0.092 |
| 0.574 (12/11/2018) | 0.77 (6/21/2017) | (0.574 - 0.77)/(24 - 18) | -0.0326667 |
| 0.272 (4/17/2019) | 0.77 (6/21/2017) | (0.272 - 0.77)/(25 - 18) | -0.0711429 |
| 0.82 (6/11/2019) | 0.77 (6/21/2017) | (0.82 - 0.77)/(26 - 18) | 0.00625 |
| 0.764 (8/28/2019) | 0.77 (6/21/2017) | (0.764 - 0.77)/(27 - 18) | -0.000666667 |
| 0.387 (10/28/2019) | 0.77 (6/21/2017) | (0.387 - 0.77)/(28 - 18) | -0.0383 |
| 1 (3/31/2020) | 0.77 (6/21/2017) | (1 - 0.77)/(29 - 18) | 0.0209091 |
| 0.438 (6/10/2020) | 0.77 (6/21/2017) | (0.438 - 0.77)/(30 - 18) | -0.0276667 |
| 0.438 (6/10/2020) | 0.77 (6/21/2017) | (0.438 - 0.77)/(30 - 18) | -0.0276667 |
| ND<0.25 U (9/21/2020) | 0.77 (6/21/2017) | (0.25 - 0.77)/(31 - 18) | -0.04 |
| ND<0.25 U (12/17/2020) | 0.77 (6/21/2017) | (0.25 - 0.77)/(32 - 18) | -0.0371429 |
| 0.621 (3/18/2021) | 0.77 (6/21/2017) | (0.621 - 0.77)/(33 - 18) | -0.00993333 |
| 0.61 (5/5/2021) | 0.77 (6/21/2017) | (0.61 - 0.77)/(34 - 18) | -0.01 |
| 0.779 (9/2/2021) | 0.77 (6/21/2017) | (0.779 - 0.77)/(35 - 18) | 0.000529412 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.77 (6/21/2017) | (0.25 - 0.77)/(36 - 18) | -0.0288889 |
| 0.325 (1/10/2022) | 0.77 (6/21/2017) | (0.325 - 0.77)/(37 - 18) | -0.0234211 |
| 0.522 (4/7/2022) | 0.77 (6/21/2017) | (0.522 - 0.77)/(38 - 18) | -0.0124 |
| 0.999 (8/3/2022) | 0.77 (6/21/2017) | (0.999 - 0.77)/(39 - 18) | 0.0109048 |
| 0.407 (11/16/2022) | 0.77 (6/21/2017) | (0.407 - 0.77)/(40 - 18) | -0.0165 |
| 0.75 (2/13/2023) | 0.77 (6/21/2017) | (0.75 - 0.77)/(41 - 18) | -0.000869565 |
| 0.357 (5/24/2023) | 0.77 (6/21/2017) | (0.357 - 0.77)/(42 - 18) | -0.0172083 |
| 0.813 (8/7/2023) | 0.77 (6/21/2017) | (0.813 - 0.77)/(43 - 18) | 0.00172 |
| 0.412 (12/12/2023) | 0.77 (6/21/2017) | (0.412 - 0.77)/(44 - 18) | -0.0137692 |
| 0.437 (1/10/2024) | 0.77 (6/21/2017) | (0.437 - 0.77)/(45 - 18) | -0.0123333 |
| 0.496 (5/20/2024) | 0.77 (6/21/2017) | (0.496 - 0.77)/(46 - 18) | -0.00978571 |
| 0.399 (9/16/2024) | 0.77 (6/21/2017) | (0.399 - 0.77)/(47 - 18) | -0.0127931 |
| 0.702 (12/11/2024) | 0.77 (6/21/2017) | (0.702 - 0.77)/(48 - 18) | -0.00226667 |
| 0.497 (2/18/2025) | 0.77 (6/21/2017) | (0.497 - 0.77)/(49 - 18) | -0.00880645 |
| | | | |
| 0.31 (10/26/2017) | 0.58 (8/17/2017) | (0.31 - 0.58)/(20 - 19) | -0.27 |
| ND<0.25 U (3/27/2018) | 0.58 (8/17/2017) | (0.25 - 0.58)/(21 - 19) | -0.165 |
| 0.528 (6/26/2018) | 0.58 (8/17/2017) | (0.528 - 0.58)/(22 - 19) | -0.0173333 |
| 1.23 (8/1/2018) | 0.58 (8/17/2017) | (1.23 - 0.58)/(23 - 19) | 0.1625 |
| 0.574 (12/11/2018) | 0.58 (8/17/2017) | (0.574 - 0.58)/(24 - 19) | -0.0012 |
| 0.272 (4/17/2019) | 0.58 (8/17/2017) | (0.272 - 0.58)/(25 - 19) | -0.0513333 |
| 0.82 (6/11/2019) | 0.58 (8/17/2017) | (0.82 - 0.58)/(26 - 19) | 0.0342857 |
| 0.764 (8/28/2019) | 0.58 (8/17/2017) | (0.764 - 0.58)/(27 - 19) | 0.023 |
| 0.387 (10/28/2019) | 0.58 (8/17/2017) | (0.387 - 0.58)/(28 - 19) | -0.0214444 |
| 1 (3/31/2020) | 0.58 (8/17/2017) | (1 - 0.58)/(29 - 19) | 0.042 |
| 0.438 (6/10/2020) | 0.58 (8/17/2017) | (0.438 - 0.58)/(30 - 19) | -0.0129091 |
| 0.438 (6/10/2020) | 0.58 (8/17/2017) | (0.438 - 0.58)/(30 - 19) | -0.0129091 |
| ND<0.25 U (9/21/2020) | 0.58 (8/17/2017) | (0.25 - 0.58)/(31 - 19) | -0.0275 |
| ND<0.25 U (12/17/2020) | 0.58 (8/17/2017) | (0.25 - 0.58)/(32 - 19) | -0.0253846 |
| 0.621 (3/18/2021) | 0.58 (8/17/2017) | (0.621 - 0.58)/(33 - 19) | 0.00292857 |
| 0.61 (5/5/2021) | 0.58 (8/17/2017) | (0.61 - 0.58)/(34 - 19) | 0.002 |
| 0.779 (9/2/2021) | 0.58 (8/17/2017) | (0.779 - 0.58)/(35 - 19) | 0.0124375 |
| ND<0.25 U (11/23/2021) | 0.58 (8/17/2017) | (0.25 - 0.58)/(36 - 19) | -0.0194118 |
| 0.325 (1/10/2022) | 0.58 (8/17/2017) | (0.325 - 0.58)/(37 - 19) | -0.0141667 |
| 0.522 (4/7/2022) | 0.58 (8/17/2017) | (0.522 - 0.58)/(38 - 19) | -0.00305263 |
| 0.999 (8/3/2022) | 0.58 (8/17/2017) | (0.999 - 0.58)/(39 - 19) | 0.02095 |
| 0.407 (11/16/2022) | 0.58 (8/17/2017) | (0.407 - 0.58)/(40 - 19) | -0.0082381 |
| 0.75 (2/13/2023) | 0.58 (8/17/2017) | (0.75 - 0.58)/(41 - 19) | 0.00772727 |
| 0.357 (5/24/2023) | 0.58 (8/17/2017) | (0.357 - 0.58)/(42 - 19) | -0.00969565 |
| 0.813 (8/7/2023) | 0.58 (8/17/2017) | (0.813 - 0.58)/(43 - 19) | 0.00970833 |
| 0.412 (12/12/2023) | 0.58 (8/17/2017) | (0.412 - 0.58)/(44 - 19) | -0.00672 |
| 0.437 (1/10/2024) | 0.58 (8/17/2017) | (0.437 - 0.58)/(45 - 19) | -0.0055 |
| 0.496 (5/20/2024) | 0.58 (8/17/2017) | (0.496 - 0.58)/(46 - 19) | -0.00311111 |
| 0.399 (9/16/2024) | 0.58 (8/17/2017) | (0.399 - 0.58)/(47 - 19) | -0.00646429 |
| 0.702 (12/11/2024) | 0.58 (8/17/2017) | (0.702 - 0.58)/(48 - 19) | 0.0042069 |
| 0.497 (2/18/2025) | 0.58 (8/17/2017) | (0.497 - 0.58)/(49 - 19) | -0.00276667 |
| | | | |
| ND<0.25 U (3/27/2018) | 0.31 (10/26/2017) | (0.25 - 0.31)/(21 - 20) | -0.06 |
| 0.528 (6/26/2018) | 0.31 (10/26/2017) | (0.528 - 0.31)/(22 - 20) | 0.109 |
| 1.23 (8/1/2018) | 0.31 (10/26/2017) | (1.23 - 0.31)/(23 - 20) | 0.306667 |
| 0.574 (12/11/2018) | 0.31 (10/26/2017) | (0.574 - 0.31)/(24 - 20) | 0.066 |
| 0.272 (4/17/2019) | 0.31 (10/26/2017) | (0.272 - 0.31)/(25 - 20) | -0.0076 |
| 0.82 (6/11/2019) | 0.31 (10/26/2017) | (0.82 - 0.31)/(26 - 20) | 0.085 |
| 0.764 (8/28/2019) | 0.31 (10/26/2017) | (0.764 - 0.31)/(27 - 20) | 0.0648571 |
| 0.387 (10/28/2019) | 0.31 (10/26/2017) | (0.387 - 0.31)/(28 - 20) | 0.009625 |
| 1 (3/31/2020) | 0.31 (10/26/2017) | (1 - 0.31)/(29 - 20) | 0.0766667 |
| 0.438 (6/10/2020) | 0.31 (10/26/2017) | (0.438 - 0.31)/(30 - 20) | 0.0128 |

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|---|---|---|---|
| 0.438 (6/10/2020) | 0.31 (10/26/2017) | (0.438 - 0.31)/(30 - 20) | 0.0128 |
| ND<0.25 U (9/21/2020) | 0.31 (10/26/2017) | (0.25 - 0.31)/(31 - 20) | -0.00545455 |
| ND<0.25 U (12/17/2020) | 0.31 (10/26/2017) | (0.25 - 0.31)/(32 - 20) | -0.005 |
| 0.621 (3/18/2021) | 0.31 (10/26/2017) | (0.621 - 0.31)/(33 - 20) | 0.0239231 |
| 0.61 (5/5/2021) | 0.31 (10/26/2017) | (0.61 - 0.31)/(34 - 20) | 0.0214286 |
| 0.779 (9/2/2021) | 0.31 (10/26/2017) | (0.779 - 0.31)/(35 - 20) | 0.0312667 |
| ND<0.25 U (11/23/2021) | 0.31 (10/26/2017) | (0.25 - 0.31)/(36 - 20) | -0.00375 |
| 0.325 (1/10/2022) | 0.31 (10/26/2017) | (0.325 - 0.31)/(37 - 20) | 0.000882353 |
| 0.522 (4/7/2022) | 0.31 (10/26/2017) | (0.522 - 0.31)/(38 - 20) | 0.0117778 |
| 0.999 (8/3/2022) | 0.31 (10/26/2017) | (0.999 - 0.31)/(39 - 20) | 0.0362632 |
| 0.407 (11/16/2022) | 0.31 (10/26/2017) | (0.407 - 0.31)/(40 - 20) | 0.00485 |
| 0.75 (2/13/2023) | 0.31 (10/26/2017) | (0.75 - 0.31)/(41 - 20) | 0.0209524 |
| 0.357 (5/24/2023) | 0.31 (10/26/2017) | (0.357 - 0.31)/(42 - 20) | 0.00213636 |
| 0.813 (8/7/2023) | 0.31 (10/26/2017) | (0.813 - 0.31)/(43 - 20) | 0.0218696 |
| 0.412 (12/12/2023) | 0.31 (10/26/2017) | (0.412 - 0.31)/(44 - 20) | 0.00425 |
| 0.437 (1/10/2024) | 0.31 (10/26/2017) | (0.437 - 0.31)/(45 - 20) | 0.00508 |
| 0.496 (5/20/2024) | 0.31 (10/26/2017) | (0.496 - 0.31)/(46 - 20) | 0.00715385 |
| 0.399 (9/16/2024) | 0.31 (10/26/2017) | (0.399 - 0.31)/(47 - 20) | 0.0032963 |
| 0.702 (12/11/2024) | 0.31 (10/26/2017) | (0.702 - 0.31)/(48 - 20) | 0.014 |
| 0.497 (2/18/2025) | 0.31 (10/26/2017) | (0.497 - 0.31)/(49 - 20) | 0.00644828 |
| | | | |
| 0.528 (6/26/2018) | ND<0.25 U (3/27/2018) | (0.528 - 0.25)/(22 - 21) | 0.278 |
| 1.23 (8/1/2018) | ND<0.25 U (3/27/2018) | (1.23 - 0.25)/(23 - 21) | 0.49 |
| 0.574 (12/11/2018) | ND<0.25 U (3/27/2018) | (0.574 - 0.25)/(24 - 21) | 0.108 |
| 0.272 (4/17/2019) | ND<0.25 U (3/27/2018) | (0.272 - 0.25)/(25 - 21) | 0.0055 |
| 0.82 (6/11/2019) | ND<0.25 U (3/27/2018) | (0.82 - 0.25)/(26 - 21) | 0.114 |
| 0.764 (8/28/2019) | ND<0.25 U (3/27/2018) | (0.764 - 0.25)/(27 - 21) | 0.0856667 |
| 0.387 (10/28/2019) | ND<0.25 U (3/27/2018) | (0.387 - 0.25)/(28 - 21) | 0.0195714 |
| 1 (3/31/2020) | ND<0.25 U (3/27/2018) | (1 - 0.25)/(29 - 21) | 0.09375 |
| 0.438 (6/10/2020) | ND<0.25 U (3/27/2018) | (0.438 - 0.25)/(30 - 21) | 0.0208889 |
| 0.438 (6/10/2020) | ND<0.25 U (3/27/2018) | (0.438 - 0.25)/(30 - 21) | 0.0208889 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(31 - 21) | 0 |
| ND<0.25 U (12/17/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(32 - 21) | 0 |
| 0.621 (3/18/2021) | ND<0.25 U (3/27/2018) | (0.621 - 0.25)/(33 - 21) | 0.0309167 |
| 0.61 (5/5/2021) | ND<0.25 U (3/27/2018) | (0.61 - 0.25)/(34 - 21) | 0.0276923 |
| 0.779 (9/2/2021) | ND<0.25 U (3/27/2018) | (0.779 - 0.25)/(35 - 21) | 0.0377857 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(36 - 21) | 0 |
| 0.325 (1/10/2022) | ND<0.25 U (3/27/2018) | (0.325 - 0.25)/(37 - 21) | 0.0046875 |
| 0.522 (4/7/2022) | ND<0.25 U (3/27/2018) | (0.522 - 0.25)/(38 - 21) | 0.016 |
| 0.999 (8/3/2022) | ND<0.25 U (3/27/2018) | (0.999 - 0.25)/(39 - 21) | 0.0416111 |
| 0.407 (11/16/2022) | ND<0.25 U (3/27/2018) | (0.407 - 0.25)/(40 - 21) | 0.00826316 |
| 0.75 (2/13/2023) | ND<0.25 U (3/27/2018) | (0.75 - 0.25)/(41 - 21) | 0.025 |
| 0.357 (5/24/2023) | ND<0.25 U (3/27/2018) | (0.357 - 0.25)/(42 - 21) | 0.00509524 |
| 0.813 (8/7/2023) | ND<0.25 U (3/27/2018) | (0.813 - 0.25)/(43 - 21) | 0.0255909 |
| 0.412 (12/12/2023) | ND<0.25 U (3/27/2018) | (0.412 - 0.25)/(44 - 21) | 0.00704348 |
| 0.437 (1/10/2024) | ND<0.25 U (3/27/2018) | (0.437 - 0.25)/(45 - 21) | 0.00779167 |
| 0.496 (5/20/2024) | ND<0.25 U (3/27/2018) | (0.496 - 0.25)/(46 - 21) | 0.00984 |
| 0.399 (9/16/2024) | ND<0.25 U (3/27/2018) | (0.399 - 0.25)/(47 - 21) | 0.00573077 |
| 0.702 (12/11/2024) | ND<0.25 U (3/27/2018) | (0.702 - 0.25)/(48 - 21) | 0.0167407 |
| 0.497 (2/18/2025) | ND<0.25 U (3/27/2018) | (0.497 - 0.25)/(49 - 21) | 0.00882143 |
| | | | |
| 1.23 (8/1/2018) | 0.528 (6/26/2018) | (1.23 - 0.528)/(23 - 22) | 0.702 |
| 0.574 (12/11/2018) | 0.528 (6/26/2018) | (0.574 - 0.528)/(24 - 22) | 0.023 |
| 0.272 (4/17/2019) | 0.528 (6/26/2018) | (0.272 - 0.528)/(25 - 22) | -0.0853333 |
| 0.82 (6/11/2019) | 0.528 (6/26/2018) | (0.82 - 0.528)/(26 - 22) | 0.073 |
| 0.764 (8/28/2019) | 0.528 (6/26/2018) | (0.764 - 0.528)/(27 - 22) | 0.0472 |
| 0.387 (10/28/2019) | 0.528 (6/26/2018) | (0.387 - 0.528)/(28 - 22) | -0.0235 |

| | | | |
|---|---|---|---|
| 1 (3/31/2020) | 0.528 (6/26/2018) | (1 - 0.528)/(29 - 22) | 0.0674286 |
| 0.438 (6/10/2020) | 0.528 (6/26/2018) | (0.438 - 0.528)/(30 - 22) | -0.01125 |
| 0.438 (6/10/2020) | 0.528 (6/26/2018) | (0.438 - 0.528)/(30 - 22) | -0.01125 |
| ND<0.25 U (9/21/2020) | 0.528 (6/26/2018) | (0.25 - 0.528)/(31 - 22) | -0.0308889 |
| ND<0.25 U (12/17/2020) | 0.528 (6/26/2018) | (0.25 - 0.528)/(32 - 22) | -0.0278 |
| 0.621 (3/18/2021) | 0.528 (6/26/2018) | (0.621 - 0.528)/(33 - 22) | 0.00845455 |
| 0.61 (5/5/2021) | 0.528 (6/26/2018) | (0.61 - 0.528)/(34 - 22) | 0.00683333 |
| 0.779 (9/2/2021) | 0.528 (6/26/2018) | (0.779 - 0.528)/(35 - 22) | 0.0193077 |
| ND<0.25 U (11/23/2021) | 0.528 (6/26/2018) | (0.25 - 0.528)/(36 - 22) | -0.0198571 |
| 0.325 (1/10/2022) | 0.528 (6/26/2018) | (0.325 - 0.528)/(37 - 22) | -0.0135333 |
| 0.522 (4/7/2022) | 0.528 (6/26/2018) | (0.522 - 0.528)/(38 - 22) | -0.000375 |
| 0.999 (8/3/2022) | 0.528 (6/26/2018) | (0.999 - 0.528)/(39 - 22) | 0.0277059 |
| 0.407 (11/16/2022) | 0.528 (6/26/2018) | (0.407 - 0.528)/(40 - 22) | -0.00672222 |
| 0.75 (2/13/2023) | 0.528 (6/26/2018) | (0.75 - 0.528)/(41 - 22) | 0.0116842 |
| 0.357 (5/24/2023) | 0.528 (6/26/2018) | (0.357 - 0.528)/(42 - 22) | -0.00855 |
| 0.813 (8/7/2023) | 0.528 (6/26/2018) | (0.813 - 0.528)/(43 - 22) | 0.0135714 |
| 0.412 (12/12/2023) | 0.528 (6/26/2018) | (0.412 - 0.528)/(44 - 22) | -0.00527273 |
| 0.437 (1/10/2024) | 0.528 (6/26/2018) | (0.437 - 0.528)/(45 - 22) | -0.00395652 |
| 0.496 (5/20/2024) | 0.528 (6/26/2018) | (0.496 - 0.528)/(46 - 22) | -0.00133333 |
| 0.399 (9/16/2024) | 0.528 (6/26/2018) | (0.399 - 0.528)/(47 - 22) | -0.00516 |
| 0.702 (12/11/2024) | 0.528 (6/26/2018) | (0.702 - 0.528)/(48 - 22) | 0.00669231 |
| 0.497 (2/18/2025) | 0.528 (6/26/2018) | (0.497 - 0.528)/(49 - 22) | -0.00114815 |
| | | | |
| 0.574 (12/11/2018) | 1.23 (8/1/2018) | (0.574 - 1.23)/(24 - 23) | -0.656 |
| 0.272 (4/17/2019) | 1.23 (8/1/2018) | (0.272 - 1.23)/(25 - 23) | -0.479 |
| 0.82 (6/11/2019) | 1.23 (8/1/2018) | (0.82 - 1.23)/(26 - 23) | -0.136667 |
| 0.764 (8/28/2019) | 1.23 (8/1/2018) | (0.764 - 1.23)/(27 - 23) | -0.1165 |
| 0.387 (10/28/2019) | 1.23 (8/1/2018) | (0.387 - 1.23)/(28 - 23) | -0.1686 |
| 1 (3/31/2020) | 1.23 (8/1/2018) | (1 - 1.23)/(29 - 23) | -0.0383333 |
| 0.438 (6/10/2020) | 1.23 (8/1/2018) | (0.438 - 1.23)/(30 - 23) | -0.113143 |
| 0.438 (6/10/2020) | 1.23 (8/1/2018) | (0.438 - 1.23)/(30 - 23) | -0.113143 |
| ND<0.25 U (9/21/2020) | 1.23 (8/1/2018) | (0.25 - 1.23)/(31 - 23) | -0.1225 |
| ND<0.25 U (12/17/2020) | 1.23 (8/1/2018) | (0.25 - 1.23)/(32 - 23) | -0.108889 |
| 0.621 (3/18/2021) | 1.23 (8/1/2018) | (0.621 - 1.23)/(33 - 23) | -0.0609 |
| 0.61 (5/5/2021) | 1.23 (8/1/2018) | (0.61 - 1.23)/(34 - 23) | -0.0563636 |
| 0.779 (9/2/2021) | 1.23 (8/1/2018) | (0.779 - 1.23)/(35 - 23) | -0.0375833 |
| ND<0.25 U (11/23/2021) | 1.23 (8/1/2018) | (0.25 - 1.23)/(36 - 23) | -0.0753846 |
| 0.325 (1/10/2022) | 1.23 (8/1/2018) | (0.325 - 1.23)/(37 - 23) | -0.0646429 |
| 0.522 (4/7/2022) | 1.23 (8/1/2018) | (0.522 - 1.23)/(38 - 23) | -0.0472 |
| 0.999 (8/3/2022) | 1.23 (8/1/2018) | (0.999 - 1.23)/(39 - 23) | -0.0144375 |
| 0.407 (11/16/2022) | 1.23 (8/1/2018) | (0.407 - 1.23)/(40 - 23) | -0.0484118 |
| 0.75 (2/13/2023) | 1.23 (8/1/2018) | (0.75 - 1.23)/(41 - 23) | -0.0266667 |
| 0.357 (5/24/2023) | 1.23 (8/1/2018) | (0.357 - 1.23)/(42 - 23) | -0.0459474 |
| 0.813 (8/7/2023) | 1.23 (8/1/2018) | (0.813 - 1.23)/(43 - 23) | -0.02085 |
| 0.412 (12/12/2023) | 1.23 (8/1/2018) | (0.412 - 1.23)/(44 - 23) | -0.0389524 |
| 0.437 (1/10/2024) | 1.23 (8/1/2018) | (0.437 - 1.23)/(45 - 23) | -0.0360455 |
| 0.496 (5/20/2024) | 1.23 (8/1/2018) | (0.496 - 1.23)/(46 - 23) | -0.031913 |
| 0.399 (9/16/2024) | 1.23 (8/1/2018) | (0.399 - 1.23)/(47 - 23) | -0.034625 |
| 0.702 (12/11/2024) | 1.23 (8/1/2018) | (0.702 - 1.23)/(48 - 23) | -0.02112 |
| 0.497 (2/18/2025) | 1.23 (8/1/2018) | (0.497 - 1.23)/(49 - 23) | -0.0281923 |
| | | | |
| 0.272 (4/17/2019) | 0.574 (12/11/2018) | (0.272 - 0.574)/(25 - 24) | -0.302 |
| 0.82 (6/11/2019) | 0.574 (12/11/2018) | (0.82 - 0.574)/(26 - 24) | 0.123 |
| 0.764 (8/28/2019) | 0.574 (12/11/2018) | (0.764 - 0.574)/(27 - 24) | 0.0633333 |
| 0.387 (10/28/2019) | 0.574 (12/11/2018) | (0.387 - 0.574)/(28 - 24) | -0.04675 |
| 1 (3/31/2020) | 0.574 (12/11/2018) | (1 - 0.574)/(29 - 24) | 0.0852 |
| 0.438 (6/10/2020) | 0.574 (12/11/2018) | (0.438 - 0.574)/(30 - 24) | -0.0226667 |

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|---|---|---|---|
| 0.438 (6/10/2020) | 0.574 (12/11/2018) | (0.438 - 0.574)/(30 - 24) | -0.0226667 |
| ND<0.25 U (9/21/2020) | 0.574 (12/11/2018) | (0.25 - 0.574)/(31 - 24) | -0.0462857 |
| ND<0.25 U (12/17/2020) | 0.574 (12/11/2018) | (0.25 - 0.574)/(32 - 24) | -0.0405 |
| 0.621 (3/18/2021) | 0.574 (12/11/2018) | (0.621 - 0.574)/(33 - 24) | 0.00522222 |
| 0.61 (5/5/2021) | 0.574 (12/11/2018) | (0.61 - 0.574)/(34 - 24) | 0.0036 |
| 0.779 (9/2/2021) | 0.574 (12/11/2018) | (0.779 - 0.574)/(35 - 24) | 0.0186364 |
| ND<0.25 U (11/23/2021) | 0.574 (12/11/2018) | (0.25 - 0.574)/(36 - 24) | -0.027 |
| 0.325 (1/10/2022) | 0.574 (12/11/2018) | (0.325 - 0.574)/(37 - 24) | -0.0191538 |
| 0.522 (4/7/2022) | 0.574 (12/11/2018) | (0.522 - 0.574)/(38 - 24) | -0.00371429 |
| 0.999 (8/3/2022) | 0.574 (12/11/2018) | (0.999 - 0.574)/(39 - 24) | 0.0283333 |
| 0.407 (11/16/2022) | 0.574 (12/11/2018) | (0.407 - 0.574)/(40 - 24) | -0.0104375 |
| 0.75 (2/13/2023) | 0.574 (12/11/2018) | (0.75 - 0.574)/(41 - 24) | 0.0103529 |
| 0.357 (5/24/2023) | 0.574 (12/11/2018) | (0.357 - 0.574)/(42 - 24) | -0.0120556 |
| 0.813 (8/7/2023) | 0.574 (12/11/2018) | (0.813 - 0.574)/(43 - 24) | 0.0125789 |
| 0.412 (12/12/2023) | 0.574 (12/11/2018) | (0.412 - 0.574)/(44 - 24) | -0.0081 |
| 0.437 (1/10/2024) | 0.574 (12/11/2018) | (0.437 - 0.574)/(45 - 24) | -0.00652381 |
| 0.496 (5/20/2024) | 0.574 (12/11/2018) | (0.496 - 0.574)/(46 - 24) | -0.00354545 |
| 0.399 (9/16/2024) | 0.574 (12/11/2018) | (0.399 - 0.574)/(47 - 24) | -0.0076087 |
| 0.702 (12/11/2024) | 0.574 (12/11/2018) | (0.702 - 0.574)/(48 - 24) | 0.00533333 |
| 0.497 (2/18/2025) | 0.574 (12/11/2018) | (0.497 - 0.574)/(49 - 24) | -0.00308 |
| | | | |
| 0.82 (6/11/2019) | 0.272 (4/17/2019) | (0.82 - 0.272)/(26 - 25) | 0.548 |
| 0.764 (8/28/2019) | 0.272 (4/17/2019) | (0.764 - 0.272)/(27 - 25) | 0.246 |
| 0.387 (10/28/2019) | 0.272 (4/17/2019) | (0.387 - 0.272)/(28 - 25) | 0.0383333 |
| 1 (3/31/2020) | 0.272 (4/17/2019) | (1 - 0.272)/(29 - 25) | 0.182 |
| 0.438 (6/10/2020) | 0.272 (4/17/2019) | (0.438 - 0.272)/(30 - 25) | 0.0332 |
| 0.438 (6/10/2020) | 0.272 (4/17/2019) | (0.438 - 0.272)/(30 - 25) | 0.0332 |
| ND<0.25 U (9/21/2020) | 0.272 (4/17/2019) | (0.25 - 0.272)/(31 - 25) | -0.00366667 |
| ND<0.25 U (12/17/2020) | 0.272 (4/17/2019) | (0.25 - 0.272)/(32 - 25) | -0.00314286 |
| 0.621 (3/18/2021) | 0.272 (4/17/2019) | (0.621 - 0.272)/(33 - 25) | 0.043625 |
| 0.61 (5/5/2021) | 0.272 (4/17/2019) | (0.61 - 0.272)/(34 - 25) | 0.0375556 |
| 0.779 (9/2/2021) | 0.272 (4/17/2019) | (0.779 - 0.272)/(35 - 25) | 0.0507 |
| ND<0.25 U (11/23/2021) | 0.272 (4/17/2019) | (0.25 - 0.272)/(36 - 25) | -0.002 |
| 0.325 (1/10/2022) | 0.272 (4/17/2019) | (0.325 - 0.272)/(37 - 25) | 0.00441667 |
| 0.522 (4/7/2022) | 0.272 (4/17/2019) | (0.522 - 0.272)/(38 - 25) | 0.0192308 |
| 0.999 (8/3/2022) | 0.272 (4/17/2019) | (0.999 - 0.272)/(39 - 25) | 0.0519286 |
| 0.407 (11/16/2022) | 0.272 (4/17/2019) | (0.407 - 0.272)/(40 - 25) | 0.009 |
| 0.75 (2/13/2023) | 0.272 (4/17/2019) | (0.75 - 0.272)/(41 - 25) | 0.029875 |
| 0.357 (5/24/2023) | 0.272 (4/17/2019) | (0.357 - 0.272)/(42 - 25) | 0.005 |
| 0.813 (8/7/2023) | 0.272 (4/17/2019) | (0.813 - 0.272)/(43 - 25) | 0.0300556 |
| 0.412 (12/12/2023) | 0.272 (4/17/2019) | (0.412 - 0.272)/(44 - 25) | 0.00736842 |
| 0.437 (1/10/2024) | 0.272 (4/17/2019) | (0.437 - 0.272)/(45 - 25) | 0.00825 |
| 0.496 (5/20/2024) | 0.272 (4/17/2019) | (0.496 - 0.272)/(46 - 25) | 0.0106667 |
| 0.399 (9/16/2024) | 0.272 (4/17/2019) | (0.399 - 0.272)/(47 - 25) | 0.00577273 |
| 0.702 (12/11/2024) | 0.272 (4/17/2019) | (0.702 - 0.272)/(48 - 25) | 0.0186957 |
| 0.497 (2/18/2025) | 0.272 (4/17/2019) | (0.497 - 0.272)/(49 - 25) | 0.009375 |
| | | | |
| 0.764 (8/28/2019) | 0.82 (6/11/2019) | (0.764 - 0.82)/(27 - 26) | -0.056 |
| 0.387 (10/28/2019) | 0.82 (6/11/2019) | (0.387 - 0.82)/(28 - 26) | -0.2165 |
| 1 (3/31/2020) | 0.82 (6/11/2019) | (1 - 0.82)/(29 - 26) | 0.06 |
| 0.438 (6/10/2020) | 0.82 (6/11/2019) | (0.438 - 0.82)/(30 - 26) | -0.0955 |
| 0.438 (6/10/2020) | 0.82 (6/11/2019) | (0.438 - 0.82)/(30 - 26) | -0.0955 |
| ND<0.25 U (9/21/2020) | 0.82 (6/11/2019) | (0.25 - 0.82)/(31 - 26) | -0.114 |
| ND<0.25 U (12/17/2020) | 0.82 (6/11/2019) | (0.25 - 0.82)/(32 - 26) | -0.095 |
| 0.621 (3/18/2021) | 0.82 (6/11/2019) | (0.621 - 0.82)/(33 - 26) | -0.0284286 |
| 0.61 (5/5/2021) | 0.82 (6/11/2019) | (0.61 - 0.82)/(34 - 26) | -0.02625 |
| 0.779 (9/2/2021) | 0.82 (6/11/2019) | (0.779 - 0.82)/(35 - 26) | -0.00455556 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.82 (6/11/2019) | (0.25 - 0.82)/(36 - 26) | -0.057 |
| 0.325 (1/10/2022) | 0.82 (6/11/2019) | (0.325 - 0.82)/(37 - 26) | -0.045 |
| 0.522 (4/7/2022) | 0.82 (6/11/2019) | (0.522 - 0.82)/(38 - 26) | -0.0248333 |
| 0.999 (8/3/2022) | 0.82 (6/11/2019) | (0.999 - 0.82)/(39 - 26) | 0.0137692 |
| 0.407 (11/16/2022) | 0.82 (6/11/2019) | (0.407 - 0.82)/(40 - 26) | -0.0295 |
| 0.75 (2/13/2023) | 0.82 (6/11/2019) | (0.75 - 0.82)/(41 - 26) | -0.00466667 |
| 0.357 (5/24/2023) | 0.82 (6/11/2019) | (0.357 - 0.82)/(42 - 26) | -0.0289375 |
| 0.813 (8/7/2023) | 0.82 (6/11/2019) | (0.813 - 0.82)/(43 - 26) | -0.000411765 |
| 0.412 (12/12/2023) | 0.82 (6/11/2019) | (0.412 - 0.82)/(44 - 26) | -0.0226667 |
| 0.437 (1/10/2024) | 0.82 (6/11/2019) | (0.437 - 0.82)/(45 - 26) | -0.0201579 |
| 0.496 (5/20/2024) | 0.82 (6/11/2019) | (0.496 - 0.82)/(46 - 26) | -0.0162 |
| 0.399 (9/16/2024) | 0.82 (6/11/2019) | (0.399 - 0.82)/(47 - 26) | -0.0200476 |
| 0.702 (12/11/2024) | 0.82 (6/11/2019) | (0.702 - 0.82)/(48 - 26) | -0.00536364 |
| 0.497 (2/18/2025) | 0.82 (6/11/2019) | (0.497 - 0.82)/(49 - 26) | -0.0140435 |
| | | | |
| 0.387 (10/28/2019) | 0.764 (8/28/2019) | (0.387 - 0.764)/(28 - 27) | -0.377 |
| 1 (3/31/2020) | 0.764 (8/28/2019) | (1 - 0.764)/(29 - 27) | 0.118 |
| 0.438 (6/10/2020) | 0.764 (8/28/2019) | (0.438 - 0.764)/(30 - 27) | -0.108667 |
| 0.438 (6/10/2020) | 0.764 (8/28/2019) | (0.438 - 0.764)/(30 - 27) | -0.108667 |
| ND<0.25 U (9/21/2020) | 0.764 (8/28/2019) | (0.25 - 0.764)/(31 - 27) | -0.1285 |
| ND<0.25 U (12/17/2020) | 0.764 (8/28/2019) | (0.25 - 0.764)/(32 - 27) | -0.1028 |
| 0.621 (3/18/2021) | 0.764 (8/28/2019) | (0.621 - 0.764)/(33 - 27) | -0.0238333 |
| 0.61 (5/5/2021) | 0.764 (8/28/2019) | (0.61 - 0.764)/(34 - 27) | -0.022 |
| 0.779 (9/2/2021) | 0.764 (8/28/2019) | (0.779 - 0.764)/(35 - 27) | 0.001875 |
| ND<0.25 U (11/23/2021) | 0.764 (8/28/2019) | (0.25 - 0.764)/(36 - 27) | -0.0571111 |
| 0.325 (1/10/2022) | 0.764 (8/28/2019) | (0.325 - 0.764)/(37 - 27) | -0.0439 |
| 0.522 (4/7/2022) | 0.764 (8/28/2019) | (0.522 - 0.764)/(38 - 27) | -0.022 |
| 0.999 (8/3/2022) | 0.764 (8/28/2019) | (0.999 - 0.764)/(39 - 27) | 0.0195833 |
| 0.407 (11/16/2022) | 0.764 (8/28/2019) | (0.407 - 0.764)/(40 - 27) | -0.0274615 |
| 0.75 (2/13/2023) | 0.764 (8/28/2019) | (0.75 - 0.764)/(41 - 27) | -0.001 |
| 0.357 (5/24/2023) | 0.764 (8/28/2019) | (0.357 - 0.764)/(42 - 27) | -0.0271333 |
| 0.813 (8/7/2023) | 0.764 (8/28/2019) | (0.813 - 0.764)/(43 - 27) | 0.0030625 |
| 0.412 (12/12/2023) | 0.764 (8/28/2019) | (0.412 - 0.764)/(44 - 27) | -0.0207059 |
| 0.437 (1/10/2024) | 0.764 (8/28/2019) | (0.437 - 0.764)/(45 - 27) | -0.0181667 |
| 0.496 (5/20/2024) | 0.764 (8/28/2019) | (0.496 - 0.764)/(46 - 27) | -0.0141053 |
| 0.399 (9/16/2024) | 0.764 (8/28/2019) | (0.399 - 0.764)/(47 - 27) | -0.01825 |
| 0.702 (12/11/2024) | 0.764 (8/28/2019) | (0.702 - 0.764)/(48 - 27) | -0.00295238 |
| 0.497 (2/18/2025) | 0.764 (8/28/2019) | (0.497 - 0.764)/(49 - 27) | -0.0121364 |
| | | | |
| 1 (3/31/2020) | 0.387 (10/28/2019) | (1 - 0.387)/(29 - 28) | 0.613 |
| 0.438 (6/10/2020) | 0.387 (10/28/2019) | (0.438 - 0.387)/(30 - 28) | 0.0255 |
| 0.438 (6/10/2020) | 0.387 (10/28/2019) | (0.438 - 0.387)/(30 - 28) | 0.0255 |
| ND<0.25 U (9/21/2020) | 0.387 (10/28/2019) | (0.25 - 0.387)/(31 - 28) | -0.0456667 |
| ND<0.25 U (12/17/2020) | 0.387 (10/28/2019) | (0.25 - 0.387)/(32 - 28) | -0.03425 |
| 0.621 (3/18/2021) | 0.387 (10/28/2019) | (0.621 - 0.387)/(33 - 28) | 0.0468 |
| 0.61 (5/5/2021) | 0.387 (10/28/2019) | (0.61 - 0.387)/(34 - 28) | 0.0371667 |
| 0.779 (9/2/2021) | 0.387 (10/28/2019) | (0.779 - 0.387)/(35 - 28) | 0.056 |
| ND<0.25 U (11/23/2021) | 0.387 (10/28/2019) | (0.25 - 0.387)/(36 - 28) | -0.017125 |
| 0.325 (1/10/2022) | 0.387 (10/28/2019) | (0.325 - 0.387)/(37 - 28) | -0.00688889 |
| 0.522 (4/7/2022) | 0.387 (10/28/2019) | (0.522 - 0.387)/(38 - 28) | 0.0135 |
| 0.999 (8/3/2022) | 0.387 (10/28/2019) | (0.999 - 0.387)/(39 - 28) | 0.0556364 |
| 0.407 (11/16/2022) | 0.387 (10/28/2019) | (0.407 - 0.387)/(40 - 28) | 0.00166667 |
| 0.75 (2/13/2023) | 0.387 (10/28/2019) | (0.75 - 0.387)/(41 - 28) | 0.0279231 |
| 0.357 (5/24/2023) | 0.387 (10/28/2019) | (0.357 - 0.387)/(42 - 28) | -0.00214286 |
| 0.813 (8/7/2023) | 0.387 (10/28/2019) | (0.813 - 0.387)/(43 - 28) | 0.0284 |
| 0.412 (12/12/2023) | 0.387 (10/28/2019) | (0.412 - 0.387)/(44 - 28) | 0.0015625 |
| 0.437 (1/10/2024) | 0.387 (10/28/2019) | (0.437 - 0.387)/(45 - 28) | 0.00294118 |

| | | | |
|---|---|---|---|
| 0.496 (5/20/2024) | 0.387 (10/28/2019) | (0.496 - 0.387)/(46 - 28) | 0.00605556 |
| 0.399 (9/16/2024) | 0.387 (10/28/2019) | (0.399 - 0.387)/(47 - 28) | 0.000631579 |
| 0.702 (12/11/2024) | 0.387 (10/28/2019) | (0.702 - 0.387)/(48 - 28) | 0.01575 |
| 0.497 (2/18/2025) | 0.387 (10/28/2019) | (0.497 - 0.387)/(49 - 28) | 0.0052381 |
| | | | |
| 0.438 (6/10/2020) | 1 (3/31/2020) | (0.438 - 1)/(30 - 29) | -0.562 |
| 0.438 (6/10/2020) | 1 (3/31/2020) | (0.438 - 1)/(30 - 29) | -0.562 |
| ND<0.25 U (9/21/2020) | 1 (3/31/2020) | (0.25 - 1)/(31 - 29) | -0.375 |
| ND<0.25 U (12/17/2020) | 1 (3/31/2020) | (0.25 - 1)/(32 - 29) | -0.25 |
| 0.621 (3/18/2021) | 1 (3/31/2020) | (0.621 - 1)/(33 - 29) | -0.09475 |
| 0.61 (5/5/2021) | 1 (3/31/2020) | (0.61 - 1)/(34 - 29) | -0.078 |
| 0.779 (9/2/2021) | 1 (3/31/2020) | (0.779 - 1)/(35 - 29) | -0.0368333 |
| ND<0.25 U (11/23/2021) | 1 (3/31/2020) | (0.25 - 1)/(36 - 29) | -0.107143 |
| 0.325 (1/10/2022) | 1 (3/31/2020) | (0.325 - 1)/(37 - 29) | -0.084375 |
| 0.522 (4/7/2022) | 1 (3/31/2020) | (0.522 - 1)/(38 - 29) | -0.0531111 |
| 0.999 (8/3/2022) | 1 (3/31/2020) | (0.999 - 1)/(39 - 29) | -0.0001 |
| 0.407 (11/16/2022) | 1 (3/31/2020) | (0.407 - 1)/(40 - 29) | -0.0539091 |
| 0.75 (2/13/2023) | 1 (3/31/2020) | (0.75 - 1)/(41 - 29) | -0.0208333 |
| 0.357 (5/24/2023) | 1 (3/31/2020) | (0.357 - 1)/(42 - 29) | -0.0494615 |
| 0.813 (8/7/2023) | 1 (3/31/2020) | (0.813 - 1)/(43 - 29) | -0.0133571 |
| 0.412 (12/12/2023) | 1 (3/31/2020) | (0.412 - 1)/(44 - 29) | -0.0392 |
| 0.437 (1/10/2024) | 1 (3/31/2020) | (0.437 - 1)/(45 - 29) | -0.0351875 |
| 0.496 (5/20/2024) | 1 (3/31/2020) | (0.496 - 1)/(46 - 29) | -0.0296471 |
| 0.399 (9/16/2024) | 1 (3/31/2020) | (0.399 - 1)/(47 - 29) | -0.0333889 |
| 0.702 (12/11/2024) | 1 (3/31/2020) | (0.702 - 1)/(48 - 29) | -0.0156842 |
| 0.497 (2/18/2025) | 1 (3/31/2020) | (0.497 - 1)/(49 - 29) | -0.02515 |
| | | | |
| 0.438 (6/10/2020) | 0.438 (6/10/2020) | (0.438 - 0.438)/(30 - 30) | Same Date |
| ND<0.25 U (9/21/2020) | 0.438 (6/10/2020) | (0.25 - 0.438)/(31 - 30) | -0.188 |
| ND<0.25 U (12/17/2020) | 0.438 (6/10/2020) | (0.25 - 0.438)/(32 - 30) | -0.094 |
| 0.621 (3/18/2021) | 0.438 (6/10/2020) | (0.621 - 0.438)/(33 - 30) | 0.061 |
| 0.61 (5/5/2021) | 0.438 (6/10/2020) | (0.61 - 0.438)/(34 - 30) | 0.043 |
| 0.779 (9/2/2021) | 0.438 (6/10/2020) | (0.779 - 0.438)/(35 - 30) | 0.0682 |
| ND<0.25 U (11/23/2021) | 0.438 (6/10/2020) | (0.25 - 0.438)/(36 - 30) | -0.0313333 |
| 0.325 (1/10/2022) | 0.438 (6/10/2020) | (0.325 - 0.438)/(37 - 30) | -0.0161429 |
| 0.522 (4/7/2022) | 0.438 (6/10/2020) | (0.522 - 0.438)/(38 - 30) | 0.0105 |
| 0.999 (8/3/2022) | 0.438 (6/10/2020) | (0.999 - 0.438)/(39 - 30) | 0.0623333 |
| 0.407 (11/16/2022) | 0.438 (6/10/2020) | (0.407 - 0.438)/(40 - 30) | -0.0031 |
| 0.75 (2/13/2023) | 0.438 (6/10/2020) | (0.75 - 0.438)/(41 - 30) | 0.0283636 |
| 0.357 (5/24/2023) | 0.438 (6/10/2020) | (0.357 - 0.438)/(42 - 30) | -0.00675 |
| 0.813 (8/7/2023) | 0.438 (6/10/2020) | (0.813 - 0.438)/(43 - 30) | 0.0288462 |
| 0.412 (12/12/2023) | 0.438 (6/10/2020) | (0.412 - 0.438)/(44 - 30) | -0.00185714 |
| 0.437 (1/10/2024) | 0.438 (6/10/2020) | (0.437 - 0.438)/(45 - 30) | -6.66667e-05 |
| 0.496 (5/20/2024) | 0.438 (6/10/2020) | (0.496 - 0.438)/(46 - 30) | 0.003625 |
| 0.399 (9/16/2024) | 0.438 (6/10/2020) | (0.399 - 0.438)/(47 - 30) | -0.00229412 |
| 0.702 (12/11/2024) | 0.438 (6/10/2020) | (0.702 - 0.438)/(48 - 30) | 0.0146667 |
| 0.497 (2/18/2025) | 0.438 (6/10/2020) | (0.497 - 0.438)/(49 - 30) | 0.00310526 |
| | | | |
| ND<0.25 U (9/21/2020) | 0.438 (6/10/2020) | (0.25 - 0.438)/(31 - 30) | -0.188 |
| ND<0.25 U (12/17/2020) | 0.438 (6/10/2020) | (0.25 - 0.438)/(32 - 30) | -0.094 |
| 0.621 (3/18/2021) | 0.438 (6/10/2020) | (0.621 - 0.438)/(33 - 30) | 0.061 |
| 0.61 (5/5/2021) | 0.438 (6/10/2020) | (0.61 - 0.438)/(34 - 30) | 0.043 |
| 0.779 (9/2/2021) | 0.438 (6/10/2020) | (0.779 - 0.438)/(35 - 30) | 0.0682 |
| ND<0.25 U (11/23/2021) | 0.438 (6/10/2020) | (0.25 - 0.438)/(36 - 30) | -0.0313333 |
| 0.325 (1/10/2022) | 0.438 (6/10/2020) | (0.325 - 0.438)/(37 - 30) | -0.0161429 |
| 0.522 (4/7/2022) | 0.438 (6/10/2020) | (0.522 - 0.438)/(38 - 30) | 0.0105 |
| 0.999 (8/3/2022) | 0.438 (6/10/2020) | (0.999 - 0.438)/(39 - 30) | 0.0623333 |

| | | | |
|---|---|---|---|
| 0.407 (11/16/2022) | 0.438 (6/10/2020) | (0.407 - 0.438)/(40 - 30) | -0.0031 |
| 0.75 (2/13/2023) | 0.438 (6/10/2020) | (0.75 - 0.438)/(41 - 30) | 0.0283636 |
| 0.357 (5/24/2023) | 0.438 (6/10/2020) | (0.357 - 0.438)/(42 - 30) | -0.00675 |
| 0.813 (8/7/2023) | 0.438 (6/10/2020) | (0.813 - 0.438)/(43 - 30) | 0.0288462 |
| 0.412 (12/12/2023) | 0.438 (6/10/2020) | (0.412 - 0.438)/(44 - 30) | -0.00185714 |
| 0.437 (1/10/2024) | 0.438 (6/10/2020) | (0.437 - 0.438)/(45 - 30) | -6.66667e-05 |
| 0.496 (5/20/2024) | 0.438 (6/10/2020) | (0.496 - 0.438)/(46 - 30) | 0.003625 |
| 0.399 (9/16/2024) | 0.438 (6/10/2020) | (0.399 - 0.438)/(47 - 30) | -0.00229412 |
| 0.702 (12/11/2024) | 0.438 (6/10/2020) | (0.702 - 0.438)/(48 - 30) | 0.0146667 |
| 0.497 (2/18/2025) | 0.438 (6/10/2020) | (0.497 - 0.438)/(49 - 30) | 0.00310526 |
| | | | |
| ND<0.25 U (12/17/2020) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(32 - 31) | 0 |
| 0.621 (3/18/2021) | ND<0.25 U (9/21/2020) | (0.621 - 0.25)/(33 - 31) | 0.1855 |
| 0.61 (5/5/2021) | ND<0.25 U (9/21/2020) | (0.61 - 0.25)/(34 - 31) | 0.12 |
| 0.779 (9/2/2021) | ND<0.25 U (9/21/2020) | (0.779 - 0.25)/(35 - 31) | 0.13225 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(36 - 31) | 0 |
| 0.325 (1/10/2022) | ND<0.25 U (9/21/2020) | (0.325 - 0.25)/(37 - 31) | 0.0125 |
| 0.522 (4/7/2022) | ND<0.25 U (9/21/2020) | (0.522 - 0.25)/(38 - 31) | 0.0388571 |
| 0.999 (8/3/2022) | ND<0.25 U (9/21/2020) | (0.999 - 0.25)/(39 - 31) | 0.093625 |
| 0.407 (11/16/2022) | ND<0.25 U (9/21/2020) | (0.407 - 0.25)/(40 - 31) | 0.0174444 |
| 0.75 (2/13/2023) | ND<0.25 U (9/21/2020) | (0.75 - 0.25)/(41 - 31) | 0.05 |
| 0.357 (5/24/2023) | ND<0.25 U (9/21/2020) | (0.357 - 0.25)/(42 - 31) | 0.00972727 |
| 0.813 (8/7/2023) | ND<0.25 U (9/21/2020) | (0.813 - 0.25)/(43 - 31) | 0.0469167 |
| 0.412 (12/12/2023) | ND<0.25 U (9/21/2020) | (0.412 - 0.25)/(44 - 31) | 0.0124615 |
| 0.437 (1/10/2024) | ND<0.25 U (9/21/2020) | (0.437 - 0.25)/(45 - 31) | 0.0133571 |
| 0.496 (5/20/2024) | ND<0.25 U (9/21/2020) | (0.496 - 0.25)/(46 - 31) | 0.0164 |
| 0.399 (9/16/2024) | ND<0.25 U (9/21/2020) | (0.399 - 0.25)/(47 - 31) | 0.0093125 |
| 0.702 (12/11/2024) | ND<0.25 U (9/21/2020) | (0.702 - 0.25)/(48 - 31) | 0.0265882 |
| 0.497 (2/18/2025) | ND<0.25 U (9/21/2020) | (0.497 - 0.25)/(49 - 31) | 0.0137222 |
| | | | |
| 0.621 (3/18/2021) | ND<0.25 U (12/17/2020) | (0.621 - 0.25)/(33 - 32) | 0.371 |
| 0.61 (5/5/2021) | ND<0.25 U (12/17/2020) | (0.61 - 0.25)/(34 - 32) | 0.18 |
| 0.779 (9/2/2021) | ND<0.25 U (12/17/2020) | (0.779 - 0.25)/(35 - 32) | 0.176333 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(36 - 32) | 0 |
| 0.325 (1/10/2022) | ND<0.25 U (12/17/2020) | (0.325 - 0.25)/(37 - 32) | 0.015 |
| 0.522 (4/7/2022) | ND<0.25 U (12/17/2020) | (0.522 - 0.25)/(38 - 32) | 0.0453333 |
| 0.999 (8/3/2022) | ND<0.25 U (12/17/2020) | (0.999 - 0.25)/(39 - 32) | 0.107 |
| 0.407 (11/16/2022) | ND<0.25 U (12/17/2020) | (0.407 - 0.25)/(40 - 32) | 0.019625 |
| 0.75 (2/13/2023) | ND<0.25 U (12/17/2020) | (0.75 - 0.25)/(41 - 32) | 0.0555556 |
| 0.357 (5/24/2023) | ND<0.25 U (12/17/2020) | (0.357 - 0.25)/(42 - 32) | 0.0107 |
| 0.813 (8/7/2023) | ND<0.25 U (12/17/2020) | (0.813 - 0.25)/(43 - 32) | 0.0511818 |
| 0.412 (12/12/2023) | ND<0.25 U (12/17/2020) | (0.412 - 0.25)/(44 - 32) | 0.0135 |
| 0.437 (1/10/2024) | ND<0.25 U (12/17/2020) | (0.437 - 0.25)/(45 - 32) | 0.0143846 |
| 0.496 (5/20/2024) | ND<0.25 U (12/17/2020) | (0.496 - 0.25)/(46 - 32) | 0.0175714 |
| 0.399 (9/16/2024) | ND<0.25 U (12/17/2020) | (0.399 - 0.25)/(47 - 32) | 0.00993333 |
| 0.702 (12/11/2024) | ND<0.25 U (12/17/2020) | (0.702 - 0.25)/(48 - 32) | 0.02825 |
| 0.497 (2/18/2025) | ND<0.25 U (12/17/2020) | (0.497 - 0.25)/(49 - 32) | 0.0145294 |
| | | | |
| 0.61 (5/5/2021) | 0.621 (3/18/2021) | (0.61 - 0.621)/(34 - 33) | -0.011 |
| 0.779 (9/2/2021) | 0.621 (3/18/2021) | (0.779 - 0.621)/(35 - 33) | 0.079 |
| ND<0.25 U (11/23/2021) | 0.621 (3/18/2021) | (0.25 - 0.621)/(36 - 33) | -0.123667 |
| 0.325 (1/10/2022) | 0.621 (3/18/2021) | (0.325 - 0.621)/(37 - 33) | -0.074 |
| 0.522 (4/7/2022) | 0.621 (3/18/2021) | (0.522 - 0.621)/(38 - 33) | -0.0198 |
| 0.999 (8/3/2022) | 0.621 (3/18/2021) | (0.999 - 0.621)/(39 - 33) | 0.063 |
| 0.407 (11/16/2022) | 0.621 (3/18/2021) | (0.407 - 0.621)/(40 - 33) | -0.0305714 |
| 0.75 (2/13/2023) | 0.621 (3/18/2021) | (0.75 - 0.621)/(41 - 33) | 0.016125 |
| 0.357 (5/24/2023) | 0.621 (3/18/2021) | (0.357 - 0.621)/(42 - 33) | -0.0293333 |

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|---|---|---|---|
| 0.813 (8/7/2023) | 0.621 (3/18/2021) | (0.813 - 0.621)/(43 - 33) | 0.0192 |
| 0.412 (12/12/2023) | 0.621 (3/18/2021) | (0.412 - 0.621)/(44 - 33) | -0.019 |
| 0.437 (1/10/2024) | 0.621 (3/18/2021) | (0.437 - 0.621)/(45 - 33) | -0.0153333 |
| 0.496 (5/20/2024) | 0.621 (3/18/2021) | (0.496 - 0.621)/(46 - 33) | -0.00961538 |
| 0.399 (9/16/2024) | 0.621 (3/18/2021) | (0.399 - 0.621)/(47 - 33) | -0.0158571 |
| 0.702 (12/11/2024) | 0.621 (3/18/2021) | (0.702 - 0.621)/(48 - 33) | 0.0054 |
| 0.497 (2/18/2025) | 0.621 (3/18/2021) | (0.497 - 0.621)/(49 - 33) | -0.00775 |
| | | | |
| 0.779 (9/2/2021) | 0.61 (5/5/2021) | (0.779 - 0.61)/(35 - 34) | 0.169 |
| ND<0.25 U (11/23/2021) | 0.61 (5/5/2021) | (0.25 - 0.61)/(36 - 34) | -0.18 |
| 0.325 (1/10/2022) | 0.61 (5/5/2021) | (0.325 - 0.61)/(37 - 34) | -0.095 |
| 0.522 (4/7/2022) | 0.61 (5/5/2021) | (0.522 - 0.61)/(38 - 34) | -0.022 |
| 0.999 (8/3/2022) | 0.61 (5/5/2021) | (0.999 - 0.61)/(39 - 34) | 0.0778 |
| 0.407 (11/16/2022) | 0.61 (5/5/2021) | (0.407 - 0.61)/(40 - 34) | -0.0338333 |
| 0.75 (2/13/2023) | 0.61 (5/5/2021) | (0.75 - 0.61)/(41 - 34) | 0.02 |
| 0.357 (5/24/2023) | 0.61 (5/5/2021) | (0.357 - 0.61)/(42 - 34) | -0.031625 |
| 0.813 (8/7/2023) | 0.61 (5/5/2021) | (0.813 - 0.61)/(43 - 34) | 0.0225556 |
| 0.412 (12/12/2023) | 0.61 (5/5/2021) | (0.412 - 0.61)/(44 - 34) | -0.0198 |
| 0.437 (1/10/2024) | 0.61 (5/5/2021) | (0.437 - 0.61)/(45 - 34) | -0.0157273 |
| 0.496 (5/20/2024) | 0.61 (5/5/2021) | (0.496 - 0.61)/(46 - 34) | -0.0095 |
| 0.399 (9/16/2024) | 0.61 (5/5/2021) | (0.399 - 0.61)/(47 - 34) | -0.0162308 |
| 0.702 (12/11/2024) | 0.61 (5/5/2021) | (0.702 - 0.61)/(48 - 34) | 0.00657143 |
| 0.497 (2/18/2025) | 0.61 (5/5/2021) | (0.497 - 0.61)/(49 - 34) | -0.00753333 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.779 (9/2/2021) | (0.25 - 0.779)/(36 - 35) | -0.529 |
| 0.325 (1/10/2022) | 0.779 (9/2/2021) | (0.325 - 0.779)/(37 - 35) | -0.227 |
| 0.522 (4/7/2022) | 0.779 (9/2/2021) | (0.522 - 0.779)/(38 - 35) | -0.0856667 |
| 0.999 (8/3/2022) | 0.779 (9/2/2021) | (0.999 - 0.779)/(39 - 35) | 0.055 |
| 0.407 (11/16/2022) | 0.779 (9/2/2021) | (0.407 - 0.779)/(40 - 35) | -0.0744 |
| 0.75 (2/13/2023) | 0.779 (9/2/2021) | (0.75 - 0.779)/(41 - 35) | -0.00483333 |
| 0.357 (5/24/2023) | 0.779 (9/2/2021) | (0.357 - 0.779)/(42 - 35) | -0.0602857 |
| 0.813 (8/7/2023) | 0.779 (9/2/2021) | (0.813 - 0.779)/(43 - 35) | 0.00425 |
| 0.412 (12/12/2023) | 0.779 (9/2/2021) | (0.412 - 0.779)/(44 - 35) | -0.0407778 |
| 0.437 (1/10/2024) | 0.779 (9/2/2021) | (0.437 - 0.779)/(45 - 35) | -0.0342 |
| 0.496 (5/20/2024) | 0.779 (9/2/2021) | (0.496 - 0.779)/(46 - 35) | -0.0257273 |
| 0.399 (9/16/2024) | 0.779 (9/2/2021) | (0.399 - 0.779)/(47 - 35) | -0.0316667 |
| 0.702 (12/11/2024) | 0.779 (9/2/2021) | (0.702 - 0.779)/(48 - 35) | -0.00592308 |
| 0.497 (2/18/2025) | 0.779 (9/2/2021) | (0.497 - 0.779)/(49 - 35) | -0.0201429 |
| | | | |
| 0.325 (1/10/2022) | ND<0.25 U (11/23/2021) | (0.325 - 0.25)/(37 - 36) | 0.075 |
| 0.522 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.522 - 0.25)/(38 - 36) | 0.136 |
| 0.999 (8/3/2022) | ND<0.25 U (11/23/2021) | (0.999 - 0.25)/(39 - 36) | 0.249667 |
| 0.407 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.407 - 0.25)/(40 - 36) | 0.03925 |
| 0.75 (2/13/2023) | ND<0.25 U (11/23/2021) | (0.75 - 0.25)/(41 - 36) | 0.1 |
| 0.357 (5/24/2023) | ND<0.25 U (11/23/2021) | (0.357 - 0.25)/(42 - 36) | 0.0178333 |
| 0.813 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.813 - 0.25)/(43 - 36) | 0.0804286 |
| 0.412 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.412 - 0.25)/(44 - 36) | 0.02025 |
| 0.437 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.437 - 0.25)/(45 - 36) | 0.0207778 |
| 0.496 (5/20/2024) | ND<0.25 U (11/23/2021) | (0.496 - 0.25)/(46 - 36) | 0.0246 |
| 0.399 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.399 - 0.25)/(47 - 36) | 0.0135455 |
| 0.702 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.702 - 0.25)/(48 - 36) | 0.0376667 |
| 0.497 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.497 - 0.25)/(49 - 36) | 0.019 |
| | | | |
| 0.522 (4/7/2022) | 0.325 (1/10/2022) | (0.522 - 0.325)/(38 - 37) | 0.197 |
| 0.999 (8/3/2022) | 0.325 (1/10/2022) | (0.999 - 0.325)/(39 - 37) | 0.337 |
| 0.407 (11/16/2022) | 0.325 (1/10/2022) | (0.407 - 0.325)/(40 - 37) | 0.0273333 |
| 0.75 (2/13/2023) | 0.325 (1/10/2022) | (0.75 - 0.325)/(41 - 37) | 0.10625 |

| | | | |
|---|---|---|---|
| 0.357 (5/24/2023) | 0.325 (1/10/2022) | (0.357 - 0.325)/(42 - 37) | 0.0064 |
| 0.813 (8/7/2023) | 0.325 (1/10/2022) | (0.813 - 0.325)/(43 - 37) | 0.0813333 |
| 0.412 (12/12/2023) | 0.325 (1/10/2022) | (0.412 - 0.325)/(44 - 37) | 0.0124286 |
| 0.437 (1/10/2024) | 0.325 (1/10/2022) | (0.437 - 0.325)/(45 - 37) | 0.014 |
| 0.496 (5/20/2024) | 0.325 (1/10/2022) | (0.496 - 0.325)/(46 - 37) | 0.019 |
| 0.399 (9/16/2024) | 0.325 (1/10/2022) | (0.399 - 0.325)/(47 - 37) | 0.0074 |
| 0.702 (12/11/2024) | 0.325 (1/10/2022) | (0.702 - 0.325)/(48 - 37) | 0.0342727 |
| 0.497 (2/18/2025) | 0.325 (1/10/2022) | (0.497 - 0.325)/(49 - 37) | 0.0143333 |
| | | | |
| 0.999 (8/3/2022) | 0.522 (4/7/2022) | (0.999 - 0.522)/(39 - 38) | 0.477 |
| 0.407 (11/16/2022) | 0.522 (4/7/2022) | (0.407 - 0.522)/(40 - 38) | -0.0575 |
| 0.75 (2/13/2023) | 0.522 (4/7/2022) | (0.75 - 0.522)/(41 - 38) | 0.076 |
| 0.357 (5/24/2023) | 0.522 (4/7/2022) | (0.357 - 0.522)/(42 - 38) | -0.04125 |
| 0.813 (8/7/2023) | 0.522 (4/7/2022) | (0.813 - 0.522)/(43 - 38) | 0.0582 |
| 0.412 (12/12/2023) | 0.522 (4/7/2022) | (0.412 - 0.522)/(44 - 38) | -0.0183333 |
| 0.437 (1/10/2024) | 0.522 (4/7/2022) | (0.437 - 0.522)/(45 - 38) | -0.0121429 |
| 0.496 (5/20/2024) | 0.522 (4/7/2022) | (0.496 - 0.522)/(46 - 38) | -0.00325 |
| 0.399 (9/16/2024) | 0.522 (4/7/2022) | (0.399 - 0.522)/(47 - 38) | -0.0136667 |
| 0.702 (12/11/2024) | 0.522 (4/7/2022) | (0.702 - 0.522)/(48 - 38) | 0.018 |
| 0.497 (2/18/2025) | 0.522 (4/7/2022) | (0.497 - 0.522)/(49 - 38) | -0.00227273 |
| | | | |
| 0.407 (11/16/2022) | 0.999 (8/3/2022) | (0.407 - 0.999)/(40 - 39) | -0.592 |
| 0.75 (2/13/2023) | 0.999 (8/3/2022) | (0.75 - 0.999)/(41 - 39) | -0.1245 |
| 0.357 (5/24/2023) | 0.999 (8/3/2022) | (0.357 - 0.999)/(42 - 39) | -0.214 |
| 0.813 (8/7/2023) | 0.999 (8/3/2022) | (0.813 - 0.999)/(43 - 39) | -0.0465 |
| 0.412 (12/12/2023) | 0.999 (8/3/2022) | (0.412 - 0.999)/(44 - 39) | -0.1174 |
| 0.437 (1/10/2024) | 0.999 (8/3/2022) | (0.437 - 0.999)/(45 - 39) | -0.0936667 |
| 0.496 (5/20/2024) | 0.999 (8/3/2022) | (0.496 - 0.999)/(46 - 39) | -0.0718571 |
| 0.399 (9/16/2024) | 0.999 (8/3/2022) | (0.399 - 0.999)/(47 - 39) | -0.075 |
| 0.702 (12/11/2024) | 0.999 (8/3/2022) | (0.702 - 0.999)/(48 - 39) | -0.033 |
| 0.497 (2/18/2025) | 0.999 (8/3/2022) | (0.497 - 0.999)/(49 - 39) | -0.0502 |
| | | | |
| 0.75 (2/13/2023) | 0.407 (11/16/2022) | (0.75 - 0.407)/(41 - 40) | 0.343 |
| 0.357 (5/24/2023) | 0.407 (11/16/2022) | (0.357 - 0.407)/(42 - 40) | -0.025 |
| 0.813 (8/7/2023) | 0.407 (11/16/2022) | (0.813 - 0.407)/(43 - 40) | 0.135333 |
| 0.412 (12/12/2023) | 0.407 (11/16/2022) | (0.412 - 0.407)/(44 - 40) | 0.00125 |
| 0.437 (1/10/2024) | 0.407 (11/16/2022) | (0.437 - 0.407)/(45 - 40) | 0.006 |
| 0.496 (5/20/2024) | 0.407 (11/16/2022) | (0.496 - 0.407)/(46 - 40) | 0.0148333 |
| 0.399 (9/16/2024) | 0.407 (11/16/2022) | (0.399 - 0.407)/(47 - 40) | -0.00114286 |
| 0.702 (12/11/2024) | 0.407 (11/16/2022) | (0.702 - 0.407)/(48 - 40) | 0.036875 |
| 0.497 (2/18/2025) | 0.407 (11/16/2022) | (0.497 - 0.407)/(49 - 40) | 0.01 |
| | | | |
| 0.357 (5/24/2023) | 0.75 (2/13/2023) | (0.357 - 0.75)/(42 - 41) | -0.393 |
| 0.813 (8/7/2023) | 0.75 (2/13/2023) | (0.813 - 0.75)/(43 - 41) | 0.0315 |
| 0.412 (12/12/2023) | 0.75 (2/13/2023) | (0.412 - 0.75)/(44 - 41) | -0.112667 |
| 0.437 (1/10/2024) | 0.75 (2/13/2023) | (0.437 - 0.75)/(45 - 41) | -0.07825 |
| 0.496 (5/20/2024) | 0.75 (2/13/2023) | (0.496 - 0.75)/(46 - 41) | -0.0508 |
| 0.399 (9/16/2024) | 0.75 (2/13/2023) | (0.399 - 0.75)/(47 - 41) | -0.0585 |
| 0.702 (12/11/2024) | 0.75 (2/13/2023) | (0.702 - 0.75)/(48 - 41) | -0.00685714 |
| 0.497 (2/18/2025) | 0.75 (2/13/2023) | (0.497 - 0.75)/(49 - 41) | -0.031625 |
| | | | |
| 0.813 (8/7/2023) | 0.357 (5/24/2023) | (0.813 - 0.357)/(43 - 42) | 0.456 |
| 0.412 (12/12/2023) | 0.357 (5/24/2023) | (0.412 - 0.357)/(44 - 42) | 0.0275 |
| 0.437 (1/10/2024) | 0.357 (5/24/2023) | (0.437 - 0.357)/(45 - 42) | 0.0266667 |
| 0.496 (5/20/2024) | 0.357 (5/24/2023) | (0.496 - 0.357)/(46 - 42) | 0.03475 |
| 0.399 (9/16/2024) | 0.357 (5/24/2023) | (0.399 - 0.357)/(47 - 42) | 0.0084 |
| 0.702 (12/11/2024) | 0.357 (5/24/2023) | (0.702 - 0.357)/(48 - 42) | 0.0575 |

| | | | |
|---|---|---|---|
| 0.497 (2/18/2025) | 0.357 (5/24/2023) | (0.497 - 0.357)/(49 - 42) | 0.02 |
| 0.412 (12/12/2023) | 0.813 (8/7/2023) | (0.412 - 0.813)/(44 - 43) | -0.401 |
| 0.437 (1/10/2024) | 0.813 (8/7/2023) | (0.437 - 0.813)/(45 - 43) | -0.188 |
| 0.496 (5/20/2024) | 0.813 (8/7/2023) | (0.496 - 0.813)/(46 - 43) | -0.105667 |
| 0.399 (9/16/2024) | 0.813 (8/7/2023) | (0.399 - 0.813)/(47 - 43) | -0.1035 |
| 0.702 (12/11/2024) | 0.813 (8/7/2023) | (0.702 - 0.813)/(48 - 43) | -0.0222 |
| 0.497 (2/18/2025) | 0.813 (8/7/2023) | (0.497 - 0.813)/(49 - 43) | -0.0526667 |
| 0.437 (1/10/2024) | 0.412 (12/12/2023) | (0.437 - 0.412)/(45 - 44) | 0.025 |
| 0.496 (5/20/2024) | 0.412 (12/12/2023) | (0.496 - 0.412)/(46 - 44) | 0.042 |
| 0.399 (9/16/2024) | 0.412 (12/12/2023) | (0.399 - 0.412)/(47 - 44) | -0.00433333 |
| 0.702 (12/11/2024) | 0.412 (12/12/2023) | (0.702 - 0.412)/(48 - 44) | 0.0725 |
| 0.497 (2/18/2025) | 0.412 (12/12/2023) | (0.497 - 0.412)/(49 - 44) | 0.017 |
| 0.496 (5/20/2024) | 0.437 (1/10/2024) | (0.496 - 0.437)/(46 - 45) | 0.059 |
| 0.399 (9/16/2024) | 0.437 (1/10/2024) | (0.399 - 0.437)/(47 - 45) | -0.019 |
| 0.702 (12/11/2024) | 0.437 (1/10/2024) | (0.702 - 0.437)/(48 - 45) | 0.0883333 |
| 0.497 (2/18/2025) | 0.437 (1/10/2024) | (0.497 - 0.437)/(49 - 45) | 0.015 |
| 0.399 (9/16/2024) | 0.496 (5/20/2024) | (0.399 - 0.496)/(47 - 46) | -0.097 |
| 0.702 (12/11/2024) | 0.496 (5/20/2024) | (0.702 - 0.496)/(48 - 46) | 0.103 |
| 0.497 (2/18/2025) | 0.496 (5/20/2024) | (0.497 - 0.496)/(49 - 46) | 0.000333333 |
| 0.702 (12/11/2024) | 0.399 (9/16/2024) | (0.702 - 0.399)/(48 - 47) | 0.303 |
| 0.497 (2/18/2025) | 0.399 (9/16/2024) | (0.497 - 0.399)/(49 - 47) | 0.049 |
| 0.497 (2/18/2025) | 0.702 (12/11/2024) | (0.497 - 0.702)/(49 - 48) | -0.205 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.656 |
| 2 | -0.592 |
| 3 | -0.562 |
| 4 | -0.562 |
| 5 | -0.529 |
| 6 | -0.479 |
| 7 | -0.401 |
| 8 | -0.393 |
| 9 | -0.377 |
| 10 | -0.375 |
| 11 | -0.34 |
| 12 | -0.302 |
| 13 | -0.27 |
| 14 | -0.25 |
| 15 | -0.23 |
| 16 | -0.23 |
| 17 | -0.227 |
| 18 | -0.2165 |
| 19 | -0.214 |
| 20 | -0.205 |
| 21 | -0.195 |
| 22 | -0.19 |
| 23 | -0.188 |

| | |
|---|---|
| 24 | -0.188 |
| 25 | -0.188 |
| 26 | -0.18 |
| 27 | -0.173333 |
| 28 | -0.17 |
| 29 | -0.1686 |
| 30 | -0.165 |
| 31 | -0.16 |
| 32 | -0.14 |
| 33 | -0.136667 |
| 34 | -0.135 |
| 35 | -0.1285 |
| 36 | -0.1245 |
| 37 | -0.123667 |
| 38 | -0.1225 |
| 39 | -0.1174 |
| 40 | -0.1165 |
| 41 | -0.115 |
| 42 | -0.114 |
| 43 | -0.113143 |
| 44 | -0.113143 |
| 45 | -0.112667 |
| 46 | -0.108889 |
| 47 | -0.108667 |
| 48 | -0.108667 |
| 49 | -0.107143 |
| 50 | -0.106667 |
| 51 | -0.105667 |
| 52 | -0.1035 |
| 53 | -0.1028 |
| 54 | -0.1 |
| 55 | -0.097 |
| 56 | -0.0955 |
| 57 | -0.0955 |
| 58 | -0.095 |
| 59 | -0.095 |
| 60 | -0.09475 |
| 61 | -0.094 |
| 62 | -0.094 |
| 63 | -0.0936667 |
| 64 | -0.09 |
| 65 | -0.0856667 |
| 66 | -0.0853333 |
| 67 | -0.084375 |
| 68 | -0.0825 |
| 69 | -0.07825 |
| 70 | -0.078 |
| 71 | -0.0753846 |
| 72 | -0.075 |
| 73 | -0.0744 |
| 74 | -0.074 |
| 75 | -0.0725 |
| 76 | -0.0718571 |
| 77 | -0.0711429 |
| 78 | -0.07 |
| 79 | -0.065 |
| 80 | -0.0646429 |

| | |
|---|---|
| 81 | -0.064 |
| 82 | -0.0633333 |
| 83 | -0.0609 |
| 84 | -0.0605 |
| 85 | -0.0602857 |
| 86 | -0.06 |
| 87 | -0.0585 |
| 88 | -0.0577778 |
| 89 | -0.0575 |
| 90 | -0.0575 |
| 91 | -0.0571111 |
| 92 | -0.057 |
| 93 | -0.0563636 |
| 94 | -0.056 |
| 95 | -0.0539091 |
| 96 | -0.0531111 |
| 97 | -0.0526667 |
| 98 | -0.0513333 |
| 99 | -0.0508 |
| 100 | -0.0502 |
| 101 | -0.05 |
| 102 | -0.0494615 |
| 103 | -0.0484118 |
| 104 | -0.0475 |
| 105 | -0.0472 |
| 106 | -0.04675 |
| 107 | -0.0466667 |
| 108 | -0.0465 |
| 109 | -0.0462857 |
| 110 | -0.0459474 |
| 111 | -0.0456667 |
| 112 | -0.045 |
| 113 | -0.045 |
| 114 | -0.0439 |
| 115 | -0.0433333 |
| 116 | -0.0425 |
| 117 | -0.042 |
| 118 | -0.04125 |
| 119 | -0.0407778 |
| 120 | -0.0405 |
| 121 | -0.04 |
| 122 | -0.04 |
| 123 | -0.04 |
| 124 | -0.0392 |
| 125 | -0.0389524 |
| 126 | -0.0385 |
| 127 | -0.0383333 |
| 128 | -0.0383077 |
| 129 | -0.0383 |
| 130 | -0.038 |
| 131 | -0.0375833 |
| 132 | -0.0371429 |
| 133 | -0.0368333 |
| 134 | -0.0364444 |
| 135 | -0.0360455 |
| 136 | -0.0358 |
| 137 | -0.0351875 |

| | |
|---|---|
| 138 | -0.034625 |
| 139 | -0.03425 |
| 140 | -0.0342 |
| 141 | -0.0338333 |
| 142 | -0.0333889 |
| 143 | -0.033 |
| 144 | -0.0326667 |
| 145 | -0.031913 |
| 146 | -0.0316667 |
| 147 | -0.031625 |
| 148 | -0.031625 |
| 149 | -0.0313333 |
| 150 | -0.0313333 |
| 151 | -0.0308889 |
| 152 | -0.0305714 |
| 153 | -0.0305714 |
| 154 | -0.03 |
| 155 | -0.03 |
| 156 | -0.03 |
| 157 | -0.03 |
| 158 | -0.03 |
| 159 | -0.0296471 |
| 160 | -0.0295 |
| 161 | -0.0293333 |
| 162 | -0.0289375 |
| 163 | -0.0288889 |
| 164 | -0.0284286 |
| 165 | -0.0283333 |
| 166 | -0.0281923 |
| 167 | -0.0278 |
| 168 | -0.0276667 |
| 169 | -0.0276667 |
| 170 | -0.0275 |
| 171 | -0.0274615 |
| 172 | -0.0273684 |
| 173 | -0.0271429 |
| 174 | -0.0271429 |
| 175 | -0.0271333 |
| 176 | -0.027 |
| 177 | -0.0266667 |
| 178 | -0.02625 |
| 179 | -0.026 |
| 180 | -0.0257273 |
| 181 | -0.0254545 |
| 182 | -0.0253846 |
| 183 | -0.02515 |
| 184 | -0.025 |
| 185 | -0.025 |
| 186 | -0.025 |
| 187 | -0.0248333 |
| 188 | -0.0246667 |
| 189 | -0.0242 |
| 190 | -0.0239375 |
| 191 | -0.0238333 |
| 192 | -0.02375 |
| 193 | -0.0235714 |
| 194 | -0.0235 |

| | |
|---|---|
| 195 | -0.0234211 |
| 196 | -0.0233333 |
| 197 | -0.0226667 |
| 198 | -0.0226667 |
| 199 | -0.0226667 |
| 200 | -0.0225 |
| 201 | -0.0225 |
| 202 | -0.0225 |
| 203 | -0.0223529 |
| 204 | -0.0222 |
| 205 | -0.0221429 |
| 206 | -0.022 |
| 207 | -0.022 |
| 208 | -0.022 |
| 209 | -0.022 |
| 210 | -0.021875 |
| 211 | -0.0216667 |
| 212 | -0.0214444 |
| 213 | -0.0214286 |
| 214 | -0.0214286 |
| 215 | -0.02112 |
| 216 | -0.02085 |
| 217 | -0.0208333 |
| 218 | -0.0207059 |
| 219 | -0.0201579 |
| 220 | -0.0201429 |
| 221 | -0.0200476 |
| 222 | -0.02 |
| 223 | -0.02 |
| 224 | -0.02 |
| 225 | -0.02 |
| 226 | -0.019875 |
| 227 | -0.0198571 |
| 228 | -0.0198 |
| 229 | -0.0198 |
| 230 | -0.0194118 |
| 231 | -0.0191538 |
| 232 | -0.019 |
| 233 | -0.019 |
| 234 | -0.0186923 |
| 235 | -0.0185714 |
| 236 | -0.0184444 |
| 237 | -0.0184444 |
| 238 | -0.0184118 |
| 239 | -0.0183333 |
| 240 | -0.0183158 |
| 241 | -0.01825 |
| 242 | -0.0181667 |
| 243 | -0.0180952 |
| 244 | -0.018 |
| 245 | -0.018 |
| 246 | -0.0178 |
| 247 | -0.01775 |
| 248 | -0.0175455 |
| 249 | -0.0175 |
| 250 | -0.0175 |
| 251 | -0.0173684 |

| | |
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| 946 | 0.0174444 |
| 947 | 0.0175 |
| 948 | 0.0175714 |
| 949 | 0.0176923 |
| 950 | 0.0178333 |
| 951 | 0.018 |
| 952 | 0.0183333 |
| 953 | 0.0184 |
| 954 | 0.0185 |
| 955 | 0.0186364 |
| 956 | 0.0186957 |
| 957 | 0.0187 |
| 958 | 0.01875 |
| 959 | 0.019 |
| 960 | 0.019 |
| 961 | 0.019 |
| 962 | 0.019 |
| 963 | 0.0190312 |
| 964 | 0.0190455 |
| 965 | 0.0192 |
| 966 | 0.0192308 |
| 967 | 0.0193077 |
| 968 | 0.0193333 |
| 969 | 0.0194 |
| 970 | 0.0195714 |
| 971 | 0.0195833 |
| 972 | 0.0196207 |
| 973 | 0.019625 |
| 974 | 0.0196452 |
| 975 | 0.0196471 |
| 976 | 0.0196842 |
| 977 | 0.02 |
| 978 | 0.02 |
| 979 | 0.02 |
| 980 | 0.02 |
| 981 | 0.02 |
| 982 | 0.02025 |
| 983 | 0.0205 |
| 984 | 0.0207778 |
| 985 | 0.0208889 |
| 986 | 0.0208889 |
| 987 | 0.0209091 |
| 988 | 0.0209091 |
| 989 | 0.02095 |
| 990 | 0.0209524 |
| 991 | 0.0211111 |
| 992 | 0.0211471 |

| | |
|---|---|
| 993 | 0.0214286 |
| 994 | 0.0214286 |
| 995 | 0.0214286 |
| 996 | 0.0218696 |
| 997 | 0.0218846 |
| 998 | 0.022 |
| 999 | 0.022 |
| 1000 | 0.022 |
| 1001 | 0.0222222 |
| 1002 | 0.0225556 |
| 1003 | 0.0226316 |
| 1004 | 0.0228571 |
| 1005 | 0.023 |
| 1006 | 0.023 |
| 1007 | 0.023125 |
| 1008 | 0.0233333 |
| 1009 | 0.0238571 |
| 1010 | 0.0238889 |
| 1011 | 0.0239231 |
| 1012 | 0.024375 |
| 1013 | 0.0246 |
| 1014 | 0.02476 |
| 1015 | 0.025 |
| 1016 | 0.025 |
| 1017 | 0.025 |
| 1018 | 0.025 |
| 1019 | 0.025 |
| 1020 | 0.025 |
| 1021 | 0.0255 |
| 1022 | 0.0255 |
| 1023 | 0.0255909 |
| 1024 | 0.0257143 |
| 1025 | 0.02625 |
| 1026 | 0.0264286 |
| 1027 | 0.0265882 |
| 1028 | 0.0266667 |
| 1029 | 0.0266667 |
| 1030 | 0.0271429 |
| 1031 | 0.0273333 |
| 1032 | 0.0275 |
| 1033 | 0.0275 |
| 1034 | 0.0276923 |
| 1035 | 0.0277059 |
| 1036 | 0.0277273 |
| 1037 | 0.0279231 |
| 1038 | 0.028 |
| 1039 | 0.02825 |
| 1040 | 0.0283333 |
| 1041 | 0.0283333 |
| 1042 | 0.0283636 |
| 1043 | 0.0283636 |
| 1044 | 0.0284 |
| 1045 | 0.0288462 |
| 1046 | 0.0288462 |
| 1047 | 0.0290476 |
| 1048 | 0.0290909 |
| 1049 | 0.0295385 |

| | |
|---|---|
| 1050 | 0.029875 |
| 1051 | 0.03 |
| 1052 | 0.03 |
| 1053 | 0.03 |
| 1054 | 0.03 |
| 1055 | 0.03 |
| 1056 | 0.0300556 |
| 1057 | 0.0307692 |
| 1058 | 0.0309167 |
| 1059 | 0.0312667 |
| 1060 | 0.0313636 |
| 1061 | 0.0315 |
| 1062 | 0.0322222 |
| 1063 | 0.0332 |
| 1064 | 0.0332 |
| 1065 | 0.0333333 |
| 1066 | 0.0342727 |
| 1067 | 0.0342857 |
| 1068 | 0.0342857 |
| 1069 | 0.0345455 |
| 1070 | 0.03475 |
| 1071 | 0.035 |
| 1072 | 0.035 |
| 1073 | 0.035625 |
| 1074 | 0.0357143 |
| 1075 | 0.0358824 |
| 1076 | 0.0362632 |
| 1077 | 0.0366667 |
| 1078 | 0.0366667 |
| 1079 | 0.036875 |
| 1080 | 0.037 |
| 1081 | 0.0371667 |
| 1082 | 0.0375 |
| 1083 | 0.0375 |
| 1084 | 0.0375556 |
| 1085 | 0.0376667 |
| 1086 | 0.0376923 |
| 1087 | 0.0377857 |
| 1088 | 0.038 |
| 1089 | 0.0383333 |
| 1090 | 0.0388571 |
| 1091 | 0.03925 |
| 1092 | 0.0395238 |
| 1093 | 0.04 |
| 1094 | 0.04 |
| 1095 | 0.04 |
| 1096 | 0.0410526 |
| 1097 | 0.0413333 |
| 1098 | 0.0416111 |
| 1099 | 0.0418182 |
| 1100 | 0.042 |
| 1101 | 0.042 |
| 1102 | 0.0425 |
| 1103 | 0.043 |
| 1104 | 0.043 |
| 1105 | 0.043625 |
| 1106 | 0.0441667 |

| | |
|---|---|
| 1107 | 0.0453333 |
| 1108 | 0.0457143 |
| 1109 | 0.0466667 |
| 1110 | 0.0466667 |
| 1111 | 0.0468 |
| 1112 | 0.0469167 |
| 1113 | 0.0472 |
| 1114 | 0.049 |
| 1115 | 0.05 |
| 1116 | 0.0507 |
| 1117 | 0.0511818 |
| 1118 | 0.0519286 |
| 1119 | 0.0525 |
| 1120 | 0.0527778 |
| 1121 | 0.055 |
| 1122 | 0.055 |
| 1123 | 0.055 |
| 1124 | 0.055 |
| 1125 | 0.0555556 |
| 1126 | 0.0556364 |
| 1127 | 0.056 |
| 1128 | 0.056 |
| 1129 | 0.0566667 |
| 1130 | 0.0575 |
| 1131 | 0.0582 |
| 1132 | 0.059 |
| 1133 | 0.06 |
| 1134 | 0.06 |
| 1135 | 0.061 |
| 1136 | 0.061 |
| 1137 | 0.0615385 |
| 1138 | 0.0623333 |
| 1139 | 0.0623333 |
| 1140 | 0.063 |
| 1141 | 0.0633333 |
| 1142 | 0.0648571 |
| 1143 | 0.066 |
| 1144 | 0.0666667 |
| 1145 | 0.0674286 |
| 1146 | 0.068 |
| 1147 | 0.0682 |
| 1148 | 0.0682 |
| 1149 | 0.07 |
| 1150 | 0.07 |
| 1151 | 0.07 |
| 1152 | 0.0725 |
| 1153 | 0.073 |
| 1154 | 0.075 |
| 1155 | 0.075 |
| 1156 | 0.076 |
| 1157 | 0.076 |
| 1158 | 0.0766667 |
| 1159 | 0.0775 |
| 1160 | 0.0775 |
| 1161 | 0.0778 |
| 1162 | 0.079 |
| 1163 | 0.08 |

| | |
|---|---|
| 1164 | 0.08 |
| 1165 | 0.0804286 |
| 1166 | 0.0813333 |
| 1167 | 0.085 |
| 1168 | 0.085 |
| 1169 | 0.085 |
| 1170 | 0.0852 |
| 1171 | 0.0856667 |
| 1172 | 0.0883333 |
| 1173 | 0.09 |
| 1174 | 0.092 |
| 1175 | 0.093625 |
| 1176 | 0.09375 |
| 1177 | 0.0944444 |
| 1178 | 0.095 |
| 1179 | 0.0975 |
| 1180 | 0.1 |
| 1181 | 0.1 |
| 1182 | 0.1 |
| 1183 | 0.103 |
| 1184 | 0.103333 |
| 1185 | 0.10625 |
| 1186 | 0.107 |
| 1187 | 0.108 |
| 1188 | 0.108333 |
| 1189 | 0.109 |
| 1190 | 0.11 |
| 1191 | 0.114 |
| 1192 | 0.118 |
| 1193 | 0.12 |
| 1194 | 0.123 |
| 1195 | 0.13225 |
| 1196 | 0.135333 |
| 1197 | 0.136 |
| 1198 | 0.1625 |
| 1199 | 0.169 |
| 1200 | 0.17 |
| 1201 | 0.176333 |
| 1202 | 0.18 |
| 1203 | 0.182 |
| 1204 | 0.1855 |
| 1205 | 0.19 |
| 1206 | 0.197 |
| 1207 | 0.2 |
| 1208 | 0.246 |
| 1209 | 0.249667 |
| 1210 | 0.25 |
| 1211 | 0.27 |
| 1212 | 0.278 |
| 1213 | 0.303 |
| 1214 | 0.306667 |
| 1215 | 0.337 |
| 1216 | 0.34 |
| 1217 | 0.343 |
| 1218 | 0.371 |
| 1219 | 0.456 |
| 1220 | 0.477 |

| | |
|---|---|
| 1221 | 0.49 |
| 1222 | 0.548 |
| 1223 | 0.613 |
| 1224 | 0.702 |

Sen's Estimator (Median Q) is 0.000370829

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.39 | 2 |
| 2 | 0.43 | 2 |
| 3 | 0.77 | 2 |
| 4 | 0.58 | 2 |
| 5 | 0.25 | 4 |
| 6 | 0.438 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |

| | |
|---|---|
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 1 time periods with multiple data

---

A = 246
B = 18
C = 24
D = 0
E = 22
F = 2
a = 257250
b = 1.0584e+06
c = 4900
Group Variance = 14277
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 196.538
M1 = (1224 - 196.538)/2.0 = 513.731
M2 = (1224 + 196.538)/2.0 + 1 = 711.269
Lower limit is -0.00234483 = Q(514)
Upper limit is 0.00393548 = Q(711)
-0.00234483 < 0 < 0.00393548 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: GD 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.4 (5/8/2013) | 0.29 (3/12/2013) | (0.4 - 0.29)/(2 - 1) | 0.11 |
| 0.36 (9/23/2013) | 0.29 (3/12/2013) | (0.36 - 0.29)/(3 - 1) | 0.035 |
| 0.17 (12/10/2013) | 0.29 (3/12/2013) | (0.17 - 0.29)/(4 - 1) | -0.04 |
| 0.16 (2/6/2014) | 0.29 (3/12/2013) | (0.16 - 0.29)/(5 - 1) | -0.0325 |
| 0.42 (6/26/2014) | 0.29 (3/12/2013) | (0.42 - 0.29)/(6 - 1) | 0.026 |
| 0.55 (9/30/2014) | 0.29 (3/12/2013) | (0.55 - 0.29)/(7 - 1) | 0.0433333 |
| 0.38 (11/19/2014) | 0.29 (3/12/2013) | (0.38 - 0.29)/(8 - 1) | 0.0128571 |
| 0.26 (3/23/2015) | 0.29 (3/12/2013) | (0.26 - 0.29)/(9 - 1) | -0.00375 |
| 0.28 (4/22/2015) | 0.29 (3/12/2013) | (0.28 - 0.29)/(10 - 1) | -0.00111111 |
| 0.97 (9/30/2015) | 0.29 (3/12/2013) | (0.97 - 0.29)/(11 - 1) | 0.068 |
| 0.77 (11/19/2015) | 0.29 (3/12/2013) | (0.77 - 0.29)/(12 - 1) | 0.0436364 |
| 0.5 (3/15/2016) | 0.29 (3/12/2013) | (0.5 - 0.29)/(13 - 1) | 0.0175 |
| 0.4 (6/29/2016) | 0.29 (3/12/2013) | (0.4 - 0.29)/(14 - 1) | 0.00846154 |
| 0.62 (8/9/2016) | 0.29 (3/12/2013) | (0.62 - 0.29)/(15 - 1) | 0.0235714 |
| 0.49 (12/7/2016) | 0.29 (3/12/2013) | (0.49 - 0.29)/(16 - 1) | 0.0133333 |
| 0.51 (3/2/2017) | 0.29 (3/12/2013) | (0.51 - 0.29)/(17 - 1) | 0.01375 |
| 0.93 (6/21/2017) | 0.29 (3/12/2013) | (0.93 - 0.29)/(18 - 1) | 0.0376471 |
| 0.68 (8/17/2017) | 0.29 (3/12/2013) | (0.68 - 0.29)/(19 - 1) | 0.0216667 |
| 0.39 (10/26/2017) | 0.29 (3/12/2013) | (0.39 - 0.29)/(20 - 1) | 0.00526316 |
| ND<0.25 U (3/27/2018) | 0.29 (3/12/2013) | (0.25 - 0.29)/(21 - 1) | -0.002 |
| 0.782 (6/26/2018) | 0.29 (3/12/2013) | (0.782 - 0.29)/(22 - 1) | 0.0234286 |
| 0.636 (8/1/2018) | 0.29 (3/12/2013) | (0.636 - 0.29)/(23 - 1) | 0.0157273 |
| 0.362 (12/11/2018) | 0.29 (3/12/2013) | (0.362 - 0.29)/(24 - 1) | 0.00313043 |
| 0.624 (4/17/2019) | 0.29 (3/12/2013) | (0.624 - 0.29)/(25 - 1) | 0.0139167 |
| 0.728 (6/11/2019) | 0.29 (3/12/2013) | (0.728 - 0.29)/(26 - 1) | 0.01752 |
| 0.607 (8/28/2019) | 0.29 (3/12/2013) | (0.607 - 0.29)/(27 - 1) | 0.0121923 |
| 0.467 (10/28/2019) | 0.29 (3/12/2013) | (0.467 - 0.29)/(28 - 1) | 0.00655556 |
| ND<0.25 U (3/31/2020) | 0.29 (3/12/2013) | (0.25 - 0.29)/(29 - 1) | -0.00142857 |
| 0.832 (6/10/2020) | 0.29 (3/12/2013) | (0.832 - 0.29)/(30 - 1) | 0.0186897 |
| ND<0.25 U (9/21/2020) | 0.29 (3/12/2013) | (0.25 - 0.29)/(31 - 1) | -0.00133333 |
| 0.377 (12/17/2020) | 0.29 (3/12/2013) | (0.377 - 0.29)/(32 - 1) | 0.00280645 |
| 0.364 (3/18/2021) | 0.29 (3/12/2013) | (0.364 - 0.29)/(33 - 1) | 0.0023125 |
| 0.542 (5/5/2021) | 0.29 (3/12/2013) | (0.542 - 0.29)/(34 - 1) | 0.00763636 |
| 3.44 (9/2/2021) | 0.29 (3/12/2013) | (3.44 - 0.29)/(35 - 1) | 0.0926471 |
| 0.305 (11/23/2021) | 0.29 (3/12/2013) | (0.305 - 0.29)/(36 - 1) | 0.000428571 |
| 0.85 (1/10/2022) | 0.29 (3/12/2013) | (0.85 - 0.29)/(37 - 1) | 0.0155556 |
| 0.433 (4/7/2022) | 0.29 (3/12/2013) | (0.433 - 0.29)/(38 - 1) | 0.00386486 |
| 0.588 (8/3/2022) | 0.29 (3/12/2013) | (0.588 - 0.29)/(39 - 1) | 0.00784211 |
| 0.476 (11/16/2022) | 0.29 (3/12/2013) | (0.476 - 0.29)/(40 - 1) | 0.00476923 |
| 0.559 (2/13/2023) | 0.29 (3/12/2013) | (0.559 - 0.29)/(41 - 1) | 0.006725 |
| | | | |
| 0.36 (9/23/2013) | 0.4 (5/8/2013) | (0.36 - 0.4)/(3 - 2) | -0.04 |
| 0.17 (12/10/2013) | 0.4 (5/8/2013) | (0.17 - 0.4)/(4 - 2) | -0.115 |
| 0.16 (2/6/2014) | 0.4 (5/8/2013) | (0.16 - 0.4)/(5 - 2) | -0.08 |
| 0.42 (6/26/2014) | 0.4 (5/8/2013) | (0.42 - 0.4)/(6 - 2) | 0.005 |
| 0.55 (9/30/2014) | 0.4 (5/8/2013) | (0.55 - 0.4)/(7 - 2) | 0.03 |
| 0.38 (11/19/2014) | 0.4 (5/8/2013) | (0.38 - 0.4)/(8 - 2) | -0.00333333 |
| 0.26 (3/23/2015) | 0.4 (5/8/2013) | (0.26 - 0.4)/(9 - 2) | -0.02 |

| | | | |
|---|---|---|---|
| 0.28 (4/22/2015) | 0.4 (5/8/2013) | (0.28 - 0.4)/(10 - 2) | -0.015 |
| 0.97 (9/30/2015) | 0.4 (5/8/2013) | (0.97 - 0.4)/(11 - 2) | 0.0633333 |
| 0.77 (11/19/2015) | 0.4 (5/8/2013) | (0.77 - 0.4)/(12 - 2) | 0.037 |
| 0.5 (3/15/2016) | 0.4 (5/8/2013) | (0.5 - 0.4)/(13 - 2) | 0.00909091 |
| 0.4 (6/29/2016) | 0.4 (5/8/2013) | (0.4 - 0.4)/(14 - 2) | 0 |
| 0.62 (8/9/2016) | 0.4 (5/8/2013) | (0.62 - 0.4)/(15 - 2) | 0.0169231 |
| 0.49 (12/7/2016) | 0.4 (5/8/2013) | (0.49 - 0.4)/(16 - 2) | 0.00642857 |
| 0.51 (3/2/2017) | 0.4 (5/8/2013) | (0.51 - 0.4)/(17 - 2) | 0.00733333 |
| 0.93 (6/21/2017) | 0.4 (5/8/2013) | (0.93 - 0.4)/(18 - 2) | 0.033125 |
| 0.68 (8/17/2017) | 0.4 (5/8/2013) | (0.68 - 0.4)/(19 - 2) | 0.0164706 |
| 0.39 (10/26/2017) | 0.4 (5/8/2013) | (0.39 - 0.4)/(20 - 2) | -0.000555556 |
| ND<0.25 U (3/27/2018) | 0.4 (5/8/2013) | (0.25 - 0.4)/(21 - 2) | -0.00789474 |
| 0.782 (6/26/2018) | 0.4 (5/8/2013) | (0.782 - 0.4)/(22 - 2) | 0.0191 |
| 0.636 (8/1/2018) | 0.4 (5/8/2013) | (0.636 - 0.4)/(23 - 2) | 0.0112381 |
| 0.362 (12/11/2018) | 0.4 (5/8/2013) | (0.362 - 0.4)/(24 - 2) | -0.00172727 |
| 0.624 (4/17/2019) | 0.4 (5/8/2013) | (0.624 - 0.4)/(25 - 2) | 0.00973913 |
| 0.728 (6/11/2019) | 0.4 (5/8/2013) | (0.728 - 0.4)/(26 - 2) | 0.0136667 |
| 0.607 (8/28/2019) | 0.4 (5/8/2013) | (0.607 - 0.4)/(27 - 2) | 0.00828 |
| 0.467 (10/28/2019) | 0.4 (5/8/2013) | (0.467 - 0.4)/(28 - 2) | 0.00257692 |
| ND<0.25 U (3/31/2020) | 0.4 (5/8/2013) | (0.25 - 0.4)/(29 - 2) | -0.00555556 |
| 0.832 (6/10/2020) | 0.4 (5/8/2013) | (0.832 - 0.4)/(30 - 2) | 0.0154286 |
| ND<0.25 U (9/21/2020) | 0.4 (5/8/2013) | (0.25 - 0.4)/(31 - 2) | -0.00517241 |
| 0.377 (12/17/2020) | 0.4 (5/8/2013) | (0.377 - 0.4)/(32 - 2) | -0.000766667 |
| 0.364 (3/18/2021) | 0.4 (5/8/2013) | (0.364 - 0.4)/(33 - 2) | -0.00116129 |
| 0.542 (5/5/2021) | 0.4 (5/8/2013) | (0.542 - 0.4)/(34 - 2) | 0.0044375 |
| 3.44 (9/2/2021) | 0.4 (5/8/2013) | (3.44 - 0.4)/(35 - 2) | 0.0921212 |
| 0.305 (11/23/2021) | 0.4 (5/8/2013) | (0.305 - 0.4)/(36 - 2) | -0.00279412 |
| 0.85 (1/10/2022) | 0.4 (5/8/2013) | (0.85 - 0.4)/(37 - 2) | 0.0128571 |
| 0.433 (4/7/2022) | 0.4 (5/8/2013) | (0.433 - 0.4)/(38 - 2) | 0.000916667 |
| 0.588 (8/3/2022) | 0.4 (5/8/2013) | (0.588 - 0.4)/(39 - 2) | 0.00508108 |
| 0.476 (11/16/2022) | 0.4 (5/8/2013) | (0.476 - 0.4)/(40 - 2) | 0.002 |
| 0.559 (2/13/2023) | 0.4 (5/8/2013) | (0.559 - 0.4)/(41 - 2) | 0.00407692 |

| | | | |
|---|---|---|---|
| 0.17 (12/10/2013) | 0.36 (9/23/2013) | (0.17 - 0.36)/(4 - 3) | -0.19 |
| 0.16 (2/6/2014) | 0.36 (9/23/2013) | (0.16 - 0.36)/(5 - 3) | -0.1 |
| 0.42 (6/26/2014) | 0.36 (9/23/2013) | (0.42 - 0.36)/(6 - 3) | 0.02 |
| 0.55 (9/30/2014) | 0.36 (9/23/2013) | (0.55 - 0.36)/(7 - 3) | 0.0475 |
| 0.38 (11/19/2014) | 0.36 (9/23/2013) | (0.38 - 0.36)/(8 - 3) | 0.004 |
| 0.26 (3/23/2015) | 0.36 (9/23/2013) | (0.26 - 0.36)/(9 - 3) | -0.0166667 |
| 0.28 (4/22/2015) | 0.36 (9/23/2013) | (0.28 - 0.36)/(10 - 3) | -0.0114286 |
| 0.97 (9/30/2015) | 0.36 (9/23/2013) | (0.97 - 0.36)/(11 - 3) | 0.07625 |
| 0.77 (11/19/2015) | 0.36 (9/23/2013) | (0.77 - 0.36)/(12 - 3) | 0.0455556 |
| 0.5 (3/15/2016) | 0.36 (9/23/2013) | (0.5 - 0.36)/(13 - 3) | 0.014 |
| 0.4 (6/29/2016) | 0.36 (9/23/2013) | (0.4 - 0.36)/(14 - 3) | 0.00363636 |
| 0.62 (8/9/2016) | 0.36 (9/23/2013) | (0.62 - 0.36)/(15 - 3) | 0.0216667 |
| 0.49 (12/7/2016) | 0.36 (9/23/2013) | (0.49 - 0.36)/(16 - 3) | 0.01 |
| 0.51 (3/2/2017) | 0.36 (9/23/2013) | (0.51 - 0.36)/(17 - 3) | 0.0107143 |
| 0.93 (6/21/2017) | 0.36 (9/23/2013) | (0.93 - 0.36)/(18 - 3) | 0.038 |
| 0.68 (8/17/2017) | 0.36 (9/23/2013) | (0.68 - 0.36)/(19 - 3) | 0.02 |
| 0.39 (10/26/2017) | 0.36 (9/23/2013) | (0.39 - 0.36)/(20 - 3) | 0.00176471 |
| ND<0.25 U (3/27/2018) | 0.36 (9/23/2013) | (0.25 - 0.36)/(21 - 3) | -0.00611111 |
| 0.782 (6/26/2018) | 0.36 (9/23/2013) | (0.782 - 0.36)/(22 - 3) | 0.0222105 |
| 0.636 (8/1/2018) | 0.36 (9/23/2013) | (0.636 - 0.36)/(23 - 3) | 0.0138 |
| 0.362 (12/11/2018) | 0.36 (9/23/2013) | (0.362 - 0.36)/(24 - 3) | 9.52381e-05 |
| 0.624 (4/17/2019) | 0.36 (9/23/2013) | (0.624 - 0.36)/(25 - 3) | 0.012 |
| 0.728 (6/11/2019) | 0.36 (9/23/2013) | (0.728 - 0.36)/(26 - 3) | 0.016 |
| 0.607 (8/28/2019) | 0.36 (9/23/2013) | (0.607 - 0.36)/(27 - 3) | 0.0102917 |

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|---|---|---|---|
| 0.467 (10/28/2019) | 0.36 (9/23/2013) | (0.467 - 0.36)/(28 - 3) | 0.00428 |
| ND<0.25 U (3/31/2020) | 0.36 (9/23/2013) | (0.25 - 0.36)/(29 - 3) | -0.00423077 |
| 0.832 (6/10/2020) | 0.36 (9/23/2013) | (0.832 - 0.36)/(30 - 3) | 0.0174815 |
| ND<0.25 U (9/21/2020) | 0.36 (9/23/2013) | (0.25 - 0.36)/(31 - 3) | -0.00392857 |
| 0.377 (12/17/2020) | 0.36 (9/23/2013) | (0.377 - 0.36)/(32 - 3) | 0.000586207 |
| 0.364 (3/18/2021) | 0.36 (9/23/2013) | (0.364 - 0.36)/(33 - 3) | 0.000133333 |
| 0.542 (5/5/2021) | 0.36 (9/23/2013) | (0.542 - 0.36)/(34 - 3) | 0.00587097 |
| 3.44 (9/2/2021) | 0.36 (9/23/2013) | (3.44 - 0.36)/(35 - 3) | 0.09625 |
| 0.305 (11/23/2021) | 0.36 (9/23/2013) | (0.305 - 0.36)/(36 - 3) | -0.00166667 |
| 0.85 (1/10/2022) | 0.36 (9/23/2013) | (0.85 - 0.36)/(37 - 3) | 0.0144118 |
| 0.433 (4/7/2022) | 0.36 (9/23/2013) | (0.433 - 0.36)/(38 - 3) | 0.00208571 |
| 0.588 (8/3/2022) | 0.36 (9/23/2013) | (0.588 - 0.36)/(39 - 3) | 0.00633333 |
| 0.476 (11/16/2022) | 0.36 (9/23/2013) | (0.476 - 0.36)/(40 - 3) | 0.00313514 |
| 0.559 (2/13/2023) | 0.36 (9/23/2013) | (0.559 - 0.36)/(41 - 3) | 0.00523684 |
| | | | |
| 0.16 (2/6/2014) | 0.17 (12/10/2013) | (0.16 - 0.17)/(5 - 4) | -0.01 |
| 0.42 (6/26/2014) | 0.17 (12/10/2013) | (0.42 - 0.17)/(6 - 4) | 0.125 |
| 0.55 (9/30/2014) | 0.17 (12/10/2013) | (0.55 - 0.17)/(7 - 4) | 0.126667 |
| 0.38 (11/19/2014) | 0.17 (12/10/2013) | (0.38 - 0.17)/(8 - 4) | 0.0525 |
| 0.26 (3/23/2015) | 0.17 (12/10/2013) | (0.26 - 0.17)/(9 - 4) | 0.018 |
| 0.28 (4/22/2015) | 0.17 (12/10/2013) | (0.28 - 0.17)/(10 - 4) | 0.0183333 |
| 0.97 (9/30/2015) | 0.17 (12/10/2013) | (0.97 - 0.17)/(11 - 4) | 0.114286 |
| 0.77 (11/19/2015) | 0.17 (12/10/2013) | (0.77 - 0.17)/(12 - 4) | 0.075 |
| 0.5 (3/15/2016) | 0.17 (12/10/2013) | (0.5 - 0.17)/(13 - 4) | 0.0366667 |
| 0.4 (6/29/2016) | 0.17 (12/10/2013) | (0.4 - 0.17)/(14 - 4) | 0.023 |
| 0.62 (8/9/2016) | 0.17 (12/10/2013) | (0.62 - 0.17)/(15 - 4) | 0.0409091 |
| 0.49 (12/7/2016) | 0.17 (12/10/2013) | (0.49 - 0.17)/(16 - 4) | 0.0266667 |
| 0.51 (3/2/2017) | 0.17 (12/10/2013) | (0.51 - 0.17)/(17 - 4) | 0.0261538 |
| 0.93 (6/21/2017) | 0.17 (12/10/2013) | (0.93 - 0.17)/(18 - 4) | 0.0542857 |
| 0.68 (8/17/2017) | 0.17 (12/10/2013) | (0.68 - 0.17)/(19 - 4) | 0.034 |
| 0.39 (10/26/2017) | 0.17 (12/10/2013) | (0.39 - 0.17)/(20 - 4) | 0.01375 |
| ND<0.25 U (3/27/2018) | 0.17 (12/10/2013) | (0.25 - 0.17)/(21 - 4) | 0.00470588 |
| 0.782 (6/26/2018) | 0.17 (12/10/2013) | (0.782 - 0.17)/(22 - 4) | 0.034 |
| 0.636 (8/1/2018) | 0.17 (12/10/2013) | (0.636 - 0.17)/(23 - 4) | 0.0245263 |
| 0.362 (12/11/2018) | 0.17 (12/10/2013) | (0.362 - 0.17)/(24 - 4) | 0.0096 |
| 0.624 (4/17/2019) | 0.17 (12/10/2013) | (0.624 - 0.17)/(25 - 4) | 0.021619 |
| 0.728 (6/11/2019) | 0.17 (12/10/2013) | (0.728 - 0.17)/(26 - 4) | 0.0253636 |
| 0.607 (8/28/2019) | 0.17 (12/10/2013) | (0.607 - 0.17)/(27 - 4) | 0.019 |
| 0.467 (10/28/2019) | 0.17 (12/10/2013) | (0.467 - 0.17)/(28 - 4) | 0.012375 |
| ND<0.25 U (3/31/2020) | 0.17 (12/10/2013) | (0.25 - 0.17)/(29 - 4) | 0.0032 |
| 0.832 (6/10/2020) | 0.17 (12/10/2013) | (0.832 - 0.17)/(30 - 4) | 0.0254615 |
| ND<0.25 U (9/21/2020) | 0.17 (12/10/2013) | (0.25 - 0.17)/(31 - 4) | 0.00296296 |
| 0.377 (12/17/2020) | 0.17 (12/10/2013) | (0.377 - 0.17)/(32 - 4) | 0.00739286 |
| 0.364 (3/18/2021) | 0.17 (12/10/2013) | (0.364 - 0.17)/(33 - 4) | 0.00668966 |
| 0.542 (5/5/2021) | 0.17 (12/10/2013) | (0.542 - 0.17)/(34 - 4) | 0.0124 |
| 3.44 (9/2/2021) | 0.17 (12/10/2013) | (3.44 - 0.17)/(35 - 4) | 0.105484 |
| 0.305 (11/23/2021) | 0.17 (12/10/2013) | (0.305 - 0.17)/(36 - 4) | 0.00421875 |
| 0.85 (1/10/2022) | 0.17 (12/10/2013) | (0.85 - 0.17)/(37 - 4) | 0.0206061 |
| 0.433 (4/7/2022) | 0.17 (12/10/2013) | (0.433 - 0.17)/(38 - 4) | 0.00773529 |
| 0.588 (8/3/2022) | 0.17 (12/10/2013) | (0.588 - 0.17)/(39 - 4) | 0.0119429 |
| 0.476 (11/16/2022) | 0.17 (12/10/2013) | (0.476 - 0.17)/(40 - 4) | 0.0085 |
| 0.559 (2/13/2023) | 0.17 (12/10/2013) | (0.559 - 0.17)/(41 - 4) | 0.0105135 |
| | | | |
| 0.42 (6/26/2014) | 0.16 (2/6/2014) | (0.42 - 0.16)/(6 - 5) | 0.26 |
| 0.55 (9/30/2014) | 0.16 (2/6/2014) | (0.55 - 0.16)/(7 - 5) | 0.195 |
| 0.38 (11/19/2014) | 0.16 (2/6/2014) | (0.38 - 0.16)/(8 - 5) | 0.0733333 |
| 0.26 (3/23/2015) | 0.16 (2/6/2014) | (0.26 - 0.16)/(9 - 5) | 0.025 |

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|---|---|---|---|
| 0.28 (4/22/2015) | 0.16 (2/6/2014) | (0.28 - 0.16)/(10 - 5) | 0.024 |
| 0.97 (9/30/2015) | 0.16 (2/6/2014) | (0.97 - 0.16)/(11 - 5) | 0.135 |
| 0.77 (11/19/2015) | 0.16 (2/6/2014) | (0.77 - 0.16)/(12 - 5) | 0.0871429 |
| 0.5 (3/15/2016) | 0.16 (2/6/2014) | (0.5 - 0.16)/(13 - 5) | 0.0425 |
| 0.4 (6/29/2016) | 0.16 (2/6/2014) | (0.4 - 0.16)/(14 - 5) | 0.0266667 |
| 0.62 (8/9/2016) | 0.16 (2/6/2014) | (0.62 - 0.16)/(15 - 5) | 0.046 |
| 0.49 (12/7/2016) | 0.16 (2/6/2014) | (0.49 - 0.16)/(16 - 5) | 0.03 |
| 0.51 (3/2/2017) | 0.16 (2/6/2014) | (0.51 - 0.16)/(17 - 5) | 0.0291667 |
| 0.93 (6/21/2017) | 0.16 (2/6/2014) | (0.93 - 0.16)/(18 - 5) | 0.0592308 |
| 0.68 (8/17/2017) | 0.16 (2/6/2014) | (0.68 - 0.16)/(19 - 5) | 0.0371429 |
| 0.39 (10/26/2017) | 0.16 (2/6/2014) | (0.39 - 0.16)/(20 - 5) | 0.0153333 |
| ND<0.25 U (3/27/2018) | 0.16 (2/6/2014) | (0.25 - 0.16)/(21 - 5) | 0.005625 |
| 0.782 (6/26/2018) | 0.16 (2/6/2014) | (0.782 - 0.16)/(22 - 5) | 0.0365882 |
| 0.636 (8/1/2018) | 0.16 (2/6/2014) | (0.636 - 0.16)/(23 - 5) | 0.0264444 |
| 0.362 (12/11/2018) | 0.16 (2/6/2014) | (0.362 - 0.16)/(24 - 5) | 0.0106316 |
| 0.624 (4/17/2019) | 0.16 (2/6/2014) | (0.624 - 0.16)/(25 - 5) | 0.0232 |
| 0.728 (6/11/2019) | 0.16 (2/6/2014) | (0.728 - 0.16)/(26 - 5) | 0.0270476 |
| 0.607 (8/28/2019) | 0.16 (2/6/2014) | (0.607 - 0.16)/(27 - 5) | 0.0203182 |
| 0.467 (10/28/2019) | 0.16 (2/6/2014) | (0.467 - 0.16)/(28 - 5) | 0.0133478 |
| ND<0.25 U (3/31/2020) | 0.16 (2/6/2014) | (0.25 - 0.16)/(29 - 5) | 0.00375 |
| 0.832 (6/10/2020) | 0.16 (2/6/2014) | (0.832 - 0.16)/(30 - 5) | 0.02688 |
| ND<0.25 U (9/21/2020) | 0.16 (2/6/2014) | (0.25 - 0.16)/(31 - 5) | 0.00346154 |
| 0.377 (12/17/2020) | 0.16 (2/6/2014) | (0.377 - 0.16)/(32 - 5) | 0.00803704 |
| 0.364 (3/18/2021) | 0.16 (2/6/2014) | (0.364 - 0.16)/(33 - 5) | 0.00728571 |
| 0.542 (5/5/2021) | 0.16 (2/6/2014) | (0.542 - 0.16)/(34 - 5) | 0.0131724 |
| 3.44 (9/2/2021) | 0.16 (2/6/2014) | (3.44 - 0.16)/(35 - 5) | 0.109333 |
| 0.305 (11/23/2021) | 0.16 (2/6/2014) | (0.305 - 0.16)/(36 - 5) | 0.00467742 |
| 0.85 (1/10/2022) | 0.16 (2/6/2014) | (0.85 - 0.16)/(37 - 5) | 0.0215625 |
| 0.433 (4/7/2022) | 0.16 (2/6/2014) | (0.433 - 0.16)/(38 - 5) | 0.00827273 |
| 0.588 (8/3/2022) | 0.16 (2/6/2014) | (0.588 - 0.16)/(39 - 5) | 0.0125882 |
| 0.476 (11/16/2022) | 0.16 (2/6/2014) | (0.476 - 0.16)/(40 - 5) | 0.00902857 |
| 0.559 (2/13/2023) | 0.16 (2/6/2014) | (0.559 - 0.16)/(41 - 5) | 0.0110833 |

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|---|---|---|---|
| 0.55 (9/30/2014) | 0.42 (6/26/2014) | (0.55 - 0.42)/(7 - 6) | 0.13 |
| 0.38 (11/19/2014) | 0.42 (6/26/2014) | (0.38 - 0.42)/(8 - 6) | -0.02 |
| 0.26 (3/23/2015) | 0.42 (6/26/2014) | (0.26 - 0.42)/(9 - 6) | -0.0533333 |
| 0.28 (4/22/2015) | 0.42 (6/26/2014) | (0.28 - 0.42)/(10 - 6) | -0.035 |
| 0.97 (9/30/2015) | 0.42 (6/26/2014) | (0.97 - 0.42)/(11 - 6) | 0.11 |
| 0.77 (11/19/2015) | 0.42 (6/26/2014) | (0.77 - 0.42)/(12 - 6) | 0.0583333 |
| 0.5 (3/15/2016) | 0.42 (6/26/2014) | (0.5 - 0.42)/(13 - 6) | 0.0114286 |
| 0.4 (6/29/2016) | 0.42 (6/26/2014) | (0.4 - 0.42)/(14 - 6) | -0.0025 |
| 0.62 (8/9/2016) | 0.42 (6/26/2014) | (0.62 - 0.42)/(15 - 6) | 0.0222222 |
| 0.49 (12/7/2016) | 0.42 (6/26/2014) | (0.49 - 0.42)/(16 - 6) | 0.007 |
| 0.51 (3/2/2017) | 0.42 (6/26/2014) | (0.51 - 0.42)/(17 - 6) | 0.00818182 |
| 0.93 (6/21/2017) | 0.42 (6/26/2014) | (0.93 - 0.42)/(18 - 6) | 0.0425 |
| 0.68 (8/17/2017) | 0.42 (6/26/2014) | (0.68 - 0.42)/(19 - 6) | 0.02 |
| 0.39 (10/26/2017) | 0.42 (6/26/2014) | (0.39 - 0.42)/(20 - 6) | -0.00214286 |
| ND<0.25 U (3/27/2018) | 0.42 (6/26/2014) | (0.25 - 0.42)/(21 - 6) | -0.0113333 |
| 0.782 (6/26/2018) | 0.42 (6/26/2014) | (0.782 - 0.42)/(22 - 6) | 0.022625 |
| 0.636 (8/1/2018) | 0.42 (6/26/2014) | (0.636 - 0.42)/(23 - 6) | 0.0127059 |
| 0.362 (12/11/2018) | 0.42 (6/26/2014) | (0.362 - 0.42)/(24 - 6) | -0.00322222 |
| 0.624 (4/17/2019) | 0.42 (6/26/2014) | (0.624 - 0.42)/(25 - 6) | 0.0107368 |
| 0.728 (6/11/2019) | 0.42 (6/26/2014) | (0.728 - 0.42)/(26 - 6) | 0.0154 |
| 0.607 (8/28/2019) | 0.42 (6/26/2014) | (0.607 - 0.42)/(27 - 6) | 0.00890476 |
| 0.467 (10/28/2019) | 0.42 (6/26/2014) | (0.467 - 0.42)/(28 - 6) | 0.00213636 |
| ND<0.25 U (3/31/2020) | 0.42 (6/26/2014) | (0.25 - 0.42)/(29 - 6) | -0.0073913 |
| 0.832 (6/10/2020) | 0.42 (6/26/2014) | (0.832 - 0.42)/(30 - 6) | 0.0171667 |

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|---|---|---|---|
| ND<0.25 U (9/21/2020) | 0.42 (6/26/2014) | (0.25 - 0.42)/(31 - 6) | -0.0068 |
| 0.377 (12/17/2020) | 0.42 (6/26/2014) | (0.377 - 0.42)/(32 - 6) | -0.00165385 |
| 0.364 (3/18/2021) | 0.42 (6/26/2014) | (0.364 - 0.42)/(33 - 6) | -0.00207407 |
| 0.542 (5/5/2021) | 0.42 (6/26/2014) | (0.542 - 0.42)/(34 - 6) | 0.00435714 |
| 3.44 (9/2/2021) | 0.42 (6/26/2014) | (3.44 - 0.42)/(35 - 6) | 0.104138 |
| 0.305 (11/23/2021) | 0.42 (6/26/2014) | (0.305 - 0.42)/(36 - 6) | -0.00383333 |
| 0.85 (1/10/2022) | 0.42 (6/26/2014) | (0.85 - 0.42)/(37 - 6) | 0.013871 |
| 0.433 (4/7/2022) | 0.42 (6/26/2014) | (0.433 - 0.42)/(38 - 6) | 0.00040625 |
| 0.588 (8/3/2022) | 0.42 (6/26/2014) | (0.588 - 0.42)/(39 - 6) | 0.00509091 |
| 0.476 (11/16/2022) | 0.42 (6/26/2014) | (0.476 - 0.42)/(40 - 6) | 0.00164706 |
| 0.559 (2/13/2023) | 0.42 (6/26/2014) | (0.559 - 0.42)/(41 - 6) | 0.00397143 |
| | | | |
| 0.38 (11/19/2014) | 0.55 (9/30/2014) | (0.38 - 0.55)/(8 - 7) | -0.17 |
| 0.26 (3/23/2015) | 0.55 (9/30/2014) | (0.26 - 0.55)/(9 - 7) | -0.145 |
| 0.28 (4/22/2015) | 0.55 (9/30/2014) | (0.28 - 0.55)/(10 - 7) | -0.09 |
| 0.97 (9/30/2015) | 0.55 (9/30/2014) | (0.97 - 0.55)/(11 - 7) | 0.105 |
| 0.77 (11/19/2015) | 0.55 (9/30/2014) | (0.77 - 0.55)/(12 - 7) | 0.044 |
| 0.5 (3/15/2016) | 0.55 (9/30/2014) | (0.5 - 0.55)/(13 - 7) | -0.00833333 |
| 0.4 (6/29/2016) | 0.55 (9/30/2014) | (0.4 - 0.55)/(14 - 7) | -0.0214286 |
| 0.62 (8/9/2016) | 0.55 (9/30/2014) | (0.62 - 0.55)/(15 - 7) | 0.00875 |
| 0.49 (12/7/2016) | 0.55 (9/30/2014) | (0.49 - 0.55)/(16 - 7) | -0.00666667 |
| 0.51 (3/2/2017) | 0.55 (9/30/2014) | (0.51 - 0.55)/(17 - 7) | -0.004 |
| 0.93 (6/21/2017) | 0.55 (9/30/2014) | (0.93 - 0.55)/(18 - 7) | 0.0345455 |
| 0.68 (8/17/2017) | 0.55 (9/30/2014) | (0.68 - 0.55)/(19 - 7) | 0.0108333 |
| 0.39 (10/26/2017) | 0.55 (9/30/2014) | (0.39 - 0.55)/(20 - 7) | -0.0123077 |
| ND<0.25 U (3/27/2018) | 0.55 (9/30/2014) | (0.25 - 0.55)/(21 - 7) | -0.0214286 |
| 0.782 (6/26/2018) | 0.55 (9/30/2014) | (0.782 - 0.55)/(22 - 7) | 0.0154667 |
| 0.636 (8/1/2018) | 0.55 (9/30/2014) | (0.636 - 0.55)/(23 - 7) | 0.005375 |
| 0.362 (12/11/2018) | 0.55 (9/30/2014) | (0.362 - 0.55)/(24 - 7) | -0.0110588 |
| 0.624 (4/17/2019) | 0.55 (9/30/2014) | (0.624 - 0.55)/(25 - 7) | 0.00411111 |
| 0.728 (6/11/2019) | 0.55 (9/30/2014) | (0.728 - 0.55)/(26 - 7) | 0.00936842 |
| 0.607 (8/28/2019) | 0.55 (9/30/2014) | (0.607 - 0.55)/(27 - 7) | 0.00285 |
| 0.467 (10/28/2019) | 0.55 (9/30/2014) | (0.467 - 0.55)/(28 - 7) | -0.00395238 |
| ND<0.25 U (3/31/2020) | 0.55 (9/30/2014) | (0.25 - 0.55)/(29 - 7) | -0.0136364 |
| 0.832 (6/10/2020) | 0.55 (9/30/2014) | (0.832 - 0.55)/(30 - 7) | 0.0122609 |
| ND<0.25 U (9/21/2020) | 0.55 (9/30/2014) | (0.25 - 0.55)/(31 - 7) | -0.0125 |
| 0.377 (12/17/2020) | 0.55 (9/30/2014) | (0.377 - 0.55)/(32 - 7) | -0.00692 |
| 0.364 (3/18/2021) | 0.55 (9/30/2014) | (0.364 - 0.55)/(33 - 7) | -0.00715385 |
| 0.542 (5/5/2021) | 0.55 (9/30/2014) | (0.542 - 0.55)/(34 - 7) | -0.000296296 |
| 3.44 (9/2/2021) | 0.55 (9/30/2014) | (3.44 - 0.55)/(35 - 7) | 0.103214 |
| 0.305 (11/23/2021) | 0.55 (9/30/2014) | (0.305 - 0.55)/(36 - 7) | -0.00844828 |
| 0.85 (1/10/2022) | 0.55 (9/30/2014) | (0.85 - 0.55)/(37 - 7) | 0.01 |
| 0.433 (4/7/2022) | 0.55 (9/30/2014) | (0.433 - 0.55)/(38 - 7) | -0.00377419 |
| 0.588 (8/3/2022) | 0.55 (9/30/2014) | (0.588 - 0.55)/(39 - 7) | 0.0011875 |
| 0.476 (11/16/2022) | 0.55 (9/30/2014) | (0.476 - 0.55)/(40 - 7) | -0.00224242 |
| 0.559 (2/13/2023) | 0.55 (9/30/2014) | (0.559 - 0.55)/(41 - 7) | 0.000264706 |
| | | | |
| 0.26 (3/23/2015) | 0.38 (11/19/2014) | (0.26 - 0.38)/(9 - 8) | -0.12 |
| 0.28 (4/22/2015) | 0.38 (11/19/2014) | (0.28 - 0.38)/(10 - 8) | -0.05 |
| 0.97 (9/30/2015) | 0.38 (11/19/2014) | (0.97 - 0.38)/(11 - 8) | 0.196667 |
| 0.77 (11/19/2015) | 0.38 (11/19/2014) | (0.77 - 0.38)/(12 - 8) | 0.0975 |
| 0.5 (3/15/2016) | 0.38 (11/19/2014) | (0.5 - 0.38)/(13 - 8) | 0.024 |
| 0.4 (6/29/2016) | 0.38 (11/19/2014) | (0.4 - 0.38)/(14 - 8) | 0.00333333 |
| 0.62 (8/9/2016) | 0.38 (11/19/2014) | (0.62 - 0.38)/(15 - 8) | 0.0342857 |
| 0.49 (12/7/2016) | 0.38 (11/19/2014) | (0.49 - 0.38)/(16 - 8) | 0.01375 |
| 0.51 (3/2/2017) | 0.38 (11/19/2014) | (0.51 - 0.38)/(17 - 8) | 0.0144444 |
| 0.93 (6/21/2017) | 0.38 (11/19/2014) | (0.93 - 0.38)/(18 - 8) | 0.055 |

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|---|---|---|---|
| 0.68 (8/17/2017) | 0.38 (11/19/2014) | (0.68 - 0.38)/(19 - 8) | 0.0272727 |
| 0.39 (10/26/2017) | 0.38 (11/19/2014) | (0.39 - 0.38)/(20 - 8) | 0.000833333 |
| ND<0.25 U (3/27/2018) | 0.38 (11/19/2014) | (0.25 - 0.38)/(21 - 8) | -0.01 |
| 0.782 (6/26/2018) | 0.38 (11/19/2014) | (0.782 - 0.38)/(22 - 8) | 0.0287143 |
| 0.636 (8/1/2018) | 0.38 (11/19/2014) | (0.636 - 0.38)/(23 - 8) | 0.0170667 |
| 0.362 (12/11/2018) | 0.38 (11/19/2014) | (0.362 - 0.38)/(24 - 8) | -0.001125 |
| 0.624 (4/17/2019) | 0.38 (11/19/2014) | (0.624 - 0.38)/(25 - 8) | 0.0143529 |
| 0.728 (6/11/2019) | 0.38 (11/19/2014) | (0.728 - 0.38)/(26 - 8) | 0.0193333 |
| 0.607 (8/28/2019) | 0.38 (11/19/2014) | (0.607 - 0.38)/(27 - 8) | 0.0119474 |
| 0.467 (10/28/2019) | 0.38 (11/19/2014) | (0.467 - 0.38)/(28 - 8) | 0.00435 |
| ND<0.25 U (3/31/2020) | 0.38 (11/19/2014) | (0.25 - 0.38)/(29 - 8) | -0.00619048 |
| 0.832 (6/10/2020) | 0.38 (11/19/2014) | (0.832 - 0.38)/(30 - 8) | 0.0205455 |
| ND<0.25 U (9/21/2020) | 0.38 (11/19/2014) | (0.25 - 0.38)/(31 - 8) | -0.00565217 |
| 0.377 (12/17/2020) | 0.38 (11/19/2014) | (0.377 - 0.38)/(32 - 8) | -0.000125 |
| 0.364 (3/18/2021) | 0.38 (11/19/2014) | (0.364 - 0.38)/(33 - 8) | -0.00064 |
| 0.542 (5/5/2021) | 0.38 (11/19/2014) | (0.542 - 0.38)/(34 - 8) | 0.00623077 |
| 3.44 (9/2/2021) | 0.38 (11/19/2014) | (3.44 - 0.38)/(35 - 8) | 0.113333 |
| 0.305 (11/23/2021) | 0.38 (11/19/2014) | (0.305 - 0.38)/(36 - 8) | -0.00267857 |
| 0.85 (1/10/2022) | 0.38 (11/19/2014) | (0.85 - 0.38)/(37 - 8) | 0.0162069 |
| 0.433 (4/7/2022) | 0.38 (11/19/2014) | (0.433 - 0.38)/(38 - 8) | 0.00176667 |
| 0.588 (8/3/2022) | 0.38 (11/19/2014) | (0.588 - 0.38)/(39 - 8) | 0.00670968 |
| 0.476 (11/16/2022) | 0.38 (11/19/2014) | (0.476 - 0.38)/(40 - 8) | 0.003 |
| 0.559 (2/13/2023) | 0.38 (11/19/2014) | (0.559 - 0.38)/(41 - 8) | 0.00542424 |
| | | | |
| 0.28 (4/22/2015) | 0.26 (3/23/2015) | (0.28 - 0.26)/(10 - 9) | 0.02 |
| 0.97 (9/30/2015) | 0.26 (3/23/2015) | (0.97 - 0.26)/(11 - 9) | 0.355 |
| 0.77 (11/19/2015) | 0.26 (3/23/2015) | (0.77 - 0.26)/(12 - 9) | 0.17 |
| 0.5 (3/15/2016) | 0.26 (3/23/2015) | (0.5 - 0.26)/(13 - 9) | 0.06 |
| 0.4 (6/29/2016) | 0.26 (3/23/2015) | (0.4 - 0.26)/(14 - 9) | 0.028 |
| 0.62 (8/9/2016) | 0.26 (3/23/2015) | (0.62 - 0.26)/(15 - 9) | 0.06 |
| 0.49 (12/7/2016) | 0.26 (3/23/2015) | (0.49 - 0.26)/(16 - 9) | 0.0328571 |
| 0.51 (3/2/2017) | 0.26 (3/23/2015) | (0.51 - 0.26)/(17 - 9) | 0.03125 |
| 0.93 (6/21/2017) | 0.26 (3/23/2015) | (0.93 - 0.26)/(18 - 9) | 0.0744444 |
| 0.68 (8/17/2017) | 0.26 (3/23/2015) | (0.68 - 0.26)/(19 - 9) | 0.042 |
| 0.39 (10/26/2017) | 0.26 (3/23/2015) | (0.39 - 0.26)/(20 - 9) | 0.0118182 |
| ND<0.25 U (3/27/2018) | 0.26 (3/23/2015) | (0.25 - 0.26)/(21 - 9) | -0.000833333 |
| 0.782 (6/26/2018) | 0.26 (3/23/2015) | (0.782 - 0.26)/(22 - 9) | 0.0401538 |
| 0.636 (8/1/2018) | 0.26 (3/23/2015) | (0.636 - 0.26)/(23 - 9) | 0.0268571 |
| 0.362 (12/11/2018) | 0.26 (3/23/2015) | (0.362 - 0.26)/(24 - 9) | 0.0068 |
| 0.624 (4/17/2019) | 0.26 (3/23/2015) | (0.624 - 0.26)/(25 - 9) | 0.02275 |
| 0.728 (6/11/2019) | 0.26 (3/23/2015) | (0.728 - 0.26)/(26 - 9) | 0.0275294 |
| 0.607 (8/28/2019) | 0.26 (3/23/2015) | (0.607 - 0.26)/(27 - 9) | 0.0192778 |
| 0.467 (10/28/2019) | 0.26 (3/23/2015) | (0.467 - 0.26)/(28 - 9) | 0.0108947 |
| ND<0.25 U (3/31/2020) | 0.26 (3/23/2015) | (0.25 - 0.26)/(29 - 9) | -0.0005 |
| 0.832 (6/10/2020) | 0.26 (3/23/2015) | (0.832 - 0.26)/(30 - 9) | 0.0272381 |
| ND<0.25 U (9/21/2020) | 0.26 (3/23/2015) | (0.25 - 0.26)/(31 - 9) | -0.000454545 |
| 0.377 (12/17/2020) | 0.26 (3/23/2015) | (0.377 - 0.26)/(32 - 9) | 0.00508696 |
| 0.364 (3/18/2021) | 0.26 (3/23/2015) | (0.364 - 0.26)/(33 - 9) | 0.00433333 |
| 0.542 (5/5/2021) | 0.26 (3/23/2015) | (0.542 - 0.26)/(34 - 9) | 0.01128 |
| 3.44 (9/2/2021) | 0.26 (3/23/2015) | (3.44 - 0.26)/(35 - 9) | 0.122308 |
| 0.305 (11/23/2021) | 0.26 (3/23/2015) | (0.305 - 0.26)/(36 - 9) | 0.00166667 |
| 0.85 (1/10/2022) | 0.26 (3/23/2015) | (0.85 - 0.26)/(37 - 9) | 0.0210714 |
| 0.433 (4/7/2022) | 0.26 (3/23/2015) | (0.433 - 0.26)/(38 - 9) | 0.00596552 |
| 0.588 (8/3/2022) | 0.26 (3/23/2015) | (0.588 - 0.26)/(39 - 9) | 0.0109333 |
| 0.476 (11/16/2022) | 0.26 (3/23/2015) | (0.476 - 0.26)/(40 - 9) | 0.00696774 |
| 0.559 (2/13/2023) | 0.26 (3/23/2015) | (0.559 - 0.26)/(41 - 9) | 0.00934375 |

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|---|---|---|---|
| 0.97 (9/30/2015) | 0.28 (4/22/2015) | (0.97 - 0.28)/(11 - 10) | 0.69 |
| 0.77 (11/19/2015) | 0.28 (4/22/2015) | (0.77 - 0.28)/(12 - 10) | 0.245 |
| 0.5 (3/15/2016) | 0.28 (4/22/2015) | (0.5 - 0.28)/(13 - 10) | 0.0733333 |
| 0.4 (6/29/2016) | 0.28 (4/22/2015) | (0.4 - 0.28)/(14 - 10) | 0.03 |
| 0.62 (8/9/2016) | 0.28 (4/22/2015) | (0.62 - 0.28)/(15 - 10) | 0.068 |
| 0.49 (12/7/2016) | 0.28 (4/22/2015) | (0.49 - 0.28)/(16 - 10) | 0.035 |
| 0.51 (3/2/2017) | 0.28 (4/22/2015) | (0.51 - 0.28)/(17 - 10) | 0.0328571 |
| 0.93 (6/21/2017) | 0.28 (4/22/2015) | (0.93 - 0.28)/(18 - 10) | 0.08125 |
| 0.68 (8/17/2017) | 0.28 (4/22/2015) | (0.68 - 0.28)/(19 - 10) | 0.0444444 |
| 0.39 (10/26/2017) | 0.28 (4/22/2015) | (0.39 - 0.28)/(20 - 10) | 0.011 |
| ND<0.25 U (3/27/2018) | 0.28 (4/22/2015) | (0.25 - 0.28)/(21 - 10) | -0.00272727 |
| 0.782 (6/26/2018) | 0.28 (4/22/2015) | (0.782 - 0.28)/(22 - 10) | 0.0418333 |
| 0.636 (8/1/2018) | 0.28 (4/22/2015) | (0.636 - 0.28)/(23 - 10) | 0.0273846 |
| 0.362 (12/11/2018) | 0.28 (4/22/2015) | (0.362 - 0.28)/(24 - 10) | 0.00585714 |
| 0.624 (4/17/2019) | 0.28 (4/22/2015) | (0.624 - 0.28)/(25 - 10) | 0.0229333 |
| 0.728 (6/11/2019) | 0.28 (4/22/2015) | (0.728 - 0.28)/(26 - 10) | 0.028 |
| 0.607 (8/28/2019) | 0.28 (4/22/2015) | (0.607 - 0.28)/(27 - 10) | 0.0192353 |
| 0.467 (10/28/2019) | 0.28 (4/22/2015) | (0.467 - 0.28)/(28 - 10) | 0.0103889 |
| ND<0.25 U (3/31/2020) | 0.28 (4/22/2015) | (0.25 - 0.28)/(29 - 10) | -0.00157895 |
| 0.832 (6/10/2020) | 0.28 (4/22/2015) | (0.832 - 0.28)/(30 - 10) | 0.0276 |
| ND<0.25 U (9/21/2020) | 0.28 (4/22/2015) | (0.25 - 0.28)/(31 - 10) | -0.00142857 |
| 0.377 (12/17/2020) | 0.28 (4/22/2015) | (0.377 - 0.28)/(32 - 10) | 0.00440909 |
| 0.364 (3/18/2021) | 0.28 (4/22/2015) | (0.364 - 0.28)/(33 - 10) | 0.00365217 |
| 0.542 (5/5/2021) | 0.28 (4/22/2015) | (0.542 - 0.28)/(34 - 10) | 0.0109167 |
| 3.44 (9/2/2021) | 0.28 (4/22/2015) | (3.44 - 0.28)/(35 - 10) | 0.1264 |
| 0.305 (11/23/2021) | 0.28 (4/22/2015) | (0.305 - 0.28)/(36 - 10) | 0.000961538 |
| 0.85 (1/10/2022) | 0.28 (4/22/2015) | (0.85 - 0.28)/(37 - 10) | 0.0211111 |
| 0.433 (4/7/2022) | 0.28 (4/22/2015) | (0.433 - 0.28)/(38 - 10) | 0.00546429 |
| 0.588 (8/3/2022) | 0.28 (4/22/2015) | (0.588 - 0.28)/(39 - 10) | 0.0106207 |
| 0.476 (11/16/2022) | 0.28 (4/22/2015) | (0.476 - 0.28)/(40 - 10) | 0.00653333 |
| 0.559 (2/13/2023) | 0.28 (4/22/2015) | (0.559 - 0.28)/(41 - 10) | 0.009 |

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|---|---|---|---|
| 0.77 (11/19/2015) | 0.97 (9/30/2015) | (0.77 - 0.97)/(12 - 11) | -0.2 |
| 0.5 (3/15/2016) | 0.97 (9/30/2015) | (0.5 - 0.97)/(13 - 11) | -0.235 |
| 0.4 (6/29/2016) | 0.97 (9/30/2015) | (0.4 - 0.97)/(14 - 11) | -0.19 |
| 0.62 (8/9/2016) | 0.97 (9/30/2015) | (0.62 - 0.97)/(15 - 11) | -0.0875 |
| 0.49 (12/7/2016) | 0.97 (9/30/2015) | (0.49 - 0.97)/(16 - 11) | -0.096 |
| 0.51 (3/2/2017) | 0.97 (9/30/2015) | (0.51 - 0.97)/(17 - 11) | -0.0766667 |
| 0.93 (6/21/2017) | 0.97 (9/30/2015) | (0.93 - 0.97)/(18 - 11) | -0.00571429 |
| 0.68 (8/17/2017) | 0.97 (9/30/2015) | (0.68 - 0.97)/(19 - 11) | -0.03625 |
| 0.39 (10/26/2017) | 0.97 (9/30/2015) | (0.39 - 0.97)/(20 - 11) | -0.0644444 |
| ND<0.25 U (3/27/2018) | 0.97 (9/30/2015) | (0.25 - 0.97)/(21 - 11) | -0.072 |
| 0.782 (6/26/2018) | 0.97 (9/30/2015) | (0.782 - 0.97)/(22 - 11) | -0.0170909 |
| 0.636 (8/1/2018) | 0.97 (9/30/2015) | (0.636 - 0.97)/(23 - 11) | -0.0278333 |
| 0.362 (12/11/2018) | 0.97 (9/30/2015) | (0.362 - 0.97)/(24 - 11) | -0.0467692 |
| 0.624 (4/17/2019) | 0.97 (9/30/2015) | (0.624 - 0.97)/(25 - 11) | -0.0247143 |
| 0.728 (6/11/2019) | 0.97 (9/30/2015) | (0.728 - 0.97)/(26 - 11) | -0.0161333 |
| 0.607 (8/28/2019) | 0.97 (9/30/2015) | (0.607 - 0.97)/(27 - 11) | -0.0226875 |
| 0.467 (10/28/2019) | 0.97 (9/30/2015) | (0.467 - 0.97)/(28 - 11) | -0.0295882 |
| ND<0.25 U (3/31/2020) | 0.97 (9/30/2015) | (0.25 - 0.97)/(29 - 11) | -0.04 |
| 0.832 (6/10/2020) | 0.97 (9/30/2015) | (0.832 - 0.97)/(30 - 11) | -0.00726316 |
| ND<0.25 U (9/21/2020) | 0.97 (9/30/2015) | (0.25 - 0.97)/(31 - 11) | -0.036 |
| 0.377 (12/17/2020) | 0.97 (9/30/2015) | (0.377 - 0.97)/(32 - 11) | -0.0282381 |
| 0.364 (3/18/2021) | 0.97 (9/30/2015) | (0.364 - 0.97)/(33 - 11) | -0.0275455 |
| 0.542 (5/5/2021) | 0.97 (9/30/2015) | (0.542 - 0.97)/(34 - 11) | -0.0186087 |
| 3.44 (9/2/2021) | 0.97 (9/30/2015) | (3.44 - 0.97)/(35 - 11) | 0.102917 |
| 0.305 (11/23/2021) | 0.97 (9/30/2015) | (0.305 - 0.97)/(36 - 11) | -0.0266 |

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|---|---|---|---|
| 0.85 (1/10/2022) | 0.97 (9/30/2015) | (0.85 - 0.97)/(37 - 11) | -0.00461538 |
| 0.433 (4/7/2022) | 0.97 (9/30/2015) | (0.433 - 0.97)/(38 - 11) | -0.0198889 |
| 0.588 (8/3/2022) | 0.97 (9/30/2015) | (0.588 - 0.97)/(39 - 11) | -0.0136429 |
| 0.476 (11/16/2022) | 0.97 (9/30/2015) | (0.476 - 0.97)/(40 - 11) | -0.0170345 |
| 0.559 (2/13/2023) | 0.97 (9/30/2015) | (0.559 - 0.97)/(41 - 11) | -0.0137 |
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| 0.5 (3/15/2016) | 0.77 (11/19/2015) | (0.5 - 0.77)/(13 - 12) | -0.27 |
| 0.4 (6/29/2016) | 0.77 (11/19/2015) | (0.4 - 0.77)/(14 - 12) | -0.185 |
| 0.62 (8/9/2016) | 0.77 (11/19/2015) | (0.62 - 0.77)/(15 - 12) | -0.05 |
| 0.49 (12/7/2016) | 0.77 (11/19/2015) | (0.49 - 0.77)/(16 - 12) | -0.07 |
| 0.51 (3/2/2017) | 0.77 (11/19/2015) | (0.51 - 0.77)/(17 - 12) | -0.052 |
| 0.93 (6/21/2017) | 0.77 (11/19/2015) | (0.93 - 0.77)/(18 - 12) | 0.0266667 |
| 0.68 (8/17/2017) | 0.77 (11/19/2015) | (0.68 - 0.77)/(19 - 12) | -0.0128571 |
| 0.39 (10/26/2017) | 0.77 (11/19/2015) | (0.39 - 0.77)/(20 - 12) | -0.0475 |
| ND<0.25 U (3/27/2018) | 0.77 (11/19/2015) | (0.25 - 0.77)/(21 - 12) | -0.0577778 |
| 0.782 (6/26/2018) | 0.77 (11/19/2015) | (0.782 - 0.77)/(22 - 12) | 0.0012 |
| 0.636 (8/1/2018) | 0.77 (11/19/2015) | (0.636 - 0.77)/(23 - 12) | -0.0121818 |
| 0.362 (12/11/2018) | 0.77 (11/19/2015) | (0.362 - 0.77)/(24 - 12) | -0.034 |
| 0.624 (4/17/2019) | 0.77 (11/19/2015) | (0.624 - 0.77)/(25 - 12) | -0.0112308 |
| 0.728 (6/11/2019) | 0.77 (11/19/2015) | (0.728 - 0.77)/(26 - 12) | -0.003 |
| 0.607 (8/28/2019) | 0.77 (11/19/2015) | (0.607 - 0.77)/(27 - 12) | -0.0108667 |
| 0.467 (10/28/2019) | 0.77 (11/19/2015) | (0.467 - 0.77)/(28 - 12) | -0.0189375 |
| ND<0.25 U (3/31/2020) | 0.77 (11/19/2015) | (0.25 - 0.77)/(29 - 12) | -0.0305882 |
| 0.832 (6/10/2020) | 0.77 (11/19/2015) | (0.832 - 0.77)/(30 - 12) | 0.00344444 |
| ND<0.25 U (9/21/2020) | 0.77 (11/19/2015) | (0.25 - 0.77)/(31 - 12) | -0.0273684 |
| 0.377 (12/17/2020) | 0.77 (11/19/2015) | (0.377 - 0.77)/(32 - 12) | -0.01965 |
| 0.364 (3/18/2021) | 0.77 (11/19/2015) | (0.364 - 0.77)/(33 - 12) | -0.0193333 |
| 0.542 (5/5/2021) | 0.77 (11/19/2015) | (0.542 - 0.77)/(34 - 12) | -0.0103636 |
| 3.44 (9/2/2021) | 0.77 (11/19/2015) | (3.44 - 0.77)/(35 - 12) | 0.116087 |
| 0.305 (11/23/2021) | 0.77 (11/19/2015) | (0.305 - 0.77)/(36 - 12) | -0.019375 |
| 0.85 (1/10/2022) | 0.77 (11/19/2015) | (0.85 - 0.77)/(37 - 12) | 0.0032 |
| 0.433 (4/7/2022) | 0.77 (11/19/2015) | (0.433 - 0.77)/(38 - 12) | -0.0129615 |
| 0.588 (8/3/2022) | 0.77 (11/19/2015) | (0.588 - 0.77)/(39 - 12) | -0.00674074 |
| 0.476 (11/16/2022) | 0.77 (11/19/2015) | (0.476 - 0.77)/(40 - 12) | -0.0105 |
| 0.559 (2/13/2023) | 0.77 (11/19/2015) | (0.559 - 0.77)/(41 - 12) | -0.00727586 |
| | | | |
| 0.4 (6/29/2016) | 0.5 (3/15/2016) | (0.4 - 0.5)/(14 - 13) | -0.1 |
| 0.62 (8/9/2016) | 0.5 (3/15/2016) | (0.62 - 0.5)/(15 - 13) | 0.06 |
| 0.49 (12/7/2016) | 0.5 (3/15/2016) | (0.49 - 0.5)/(16 - 13) | -0.00333333 |
| 0.51 (3/2/2017) | 0.5 (3/15/2016) | (0.51 - 0.5)/(17 - 13) | 0.0025 |
| 0.93 (6/21/2017) | 0.5 (3/15/2016) | (0.93 - 0.5)/(18 - 13) | 0.086 |
| 0.68 (8/17/2017) | 0.5 (3/15/2016) | (0.68 - 0.5)/(19 - 13) | 0.03 |
| 0.39 (10/26/2017) | 0.5 (3/15/2016) | (0.39 - 0.5)/(20 - 13) | -0.0157143 |
| ND<0.25 U (3/27/2018) | 0.5 (3/15/2016) | (0.25 - 0.5)/(21 - 13) | -0.03125 |
| 0.782 (6/26/2018) | 0.5 (3/15/2016) | (0.782 - 0.5)/(22 - 13) | 0.0313333 |
| 0.636 (8/1/2018) | 0.5 (3/15/2016) | (0.636 - 0.5)/(23 - 13) | 0.0136 |
| 0.362 (12/11/2018) | 0.5 (3/15/2016) | (0.362 - 0.5)/(24 - 13) | -0.0125455 |
| 0.624 (4/17/2019) | 0.5 (3/15/2016) | (0.624 - 0.5)/(25 - 13) | 0.0103333 |
| 0.728 (6/11/2019) | 0.5 (3/15/2016) | (0.728 - 0.5)/(26 - 13) | 0.0175385 |
| 0.607 (8/28/2019) | 0.5 (3/15/2016) | (0.607 - 0.5)/(27 - 13) | 0.00764286 |
| 0.467 (10/28/2019) | 0.5 (3/15/2016) | (0.467 - 0.5)/(28 - 13) | -0.0022 |
| ND<0.25 U (3/31/2020) | 0.5 (3/15/2016) | (0.25 - 0.5)/(29 - 13) | -0.015625 |
| 0.832 (6/10/2020) | 0.5 (3/15/2016) | (0.832 - 0.5)/(30 - 13) | 0.0195294 |
| ND<0.25 U (9/21/2020) | 0.5 (3/15/2016) | (0.25 - 0.5)/(31 - 13) | -0.0138889 |
| 0.377 (12/17/2020) | 0.5 (3/15/2016) | (0.377 - 0.5)/(32 - 13) | -0.00647368 |
| 0.364 (3/18/2021) | 0.5 (3/15/2016) | (0.364 - 0.5)/(33 - 13) | -0.0068 |
| 0.542 (5/5/2021) | 0.5 (3/15/2016) | (0.542 - 0.5)/(34 - 13) | 0.002 |

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|---|---|---|---|
| 3.44 (9/2/2021) | 0.5 (3/15/2016) | (3.44 - 0.5)/(35 - 13) | 0.133636 |
| 0.305 (11/23/2021) | 0.5 (3/15/2016) | (0.305 - 0.5)/(36 - 13) | -0.00847826 |
| 0.85 (1/10/2022) | 0.5 (3/15/2016) | (0.85 - 0.5)/(37 - 13) | 0.0145833 |
| 0.433 (4/7/2022) | 0.5 (3/15/2016) | (0.433 - 0.5)/(38 - 13) | -0.00268 |
| 0.588 (8/3/2022) | 0.5 (3/15/2016) | (0.588 - 0.5)/(39 - 13) | 0.00338462 |
| 0.476 (11/16/2022) | 0.5 (3/15/2016) | (0.476 - 0.5)/(40 - 13) | -0.000888889 |
| 0.559 (2/13/2023) | 0.5 (3/15/2016) | (0.559 - 0.5)/(41 - 13) | 0.00210714 |
| | | | |
| 0.62 (8/9/2016) | 0.4 (6/29/2016) | (0.62 - 0.4)/(15 - 14) | 0.22 |
| 0.49 (12/7/2016) | 0.4 (6/29/2016) | (0.49 - 0.4)/(16 - 14) | 0.045 |
| 0.51 (3/2/2017) | 0.4 (6/29/2016) | (0.51 - 0.4)/(17 - 14) | 0.0366667 |
| 0.93 (6/21/2017) | 0.4 (6/29/2016) | (0.93 - 0.4)/(18 - 14) | 0.1325 |
| 0.68 (8/17/2017) | 0.4 (6/29/2016) | (0.68 - 0.4)/(19 - 14) | 0.056 |
| 0.39 (10/26/2017) | 0.4 (6/29/2016) | (0.39 - 0.4)/(20 - 14) | -0.00166667 |
| ND<0.25 U (3/27/2018) | 0.4 (6/29/2016) | (0.25 - 0.4)/(21 - 14) | -0.0214286 |
| 0.782 (6/26/2018) | 0.4 (6/29/2016) | (0.782 - 0.4)/(22 - 14) | 0.04775 |
| 0.636 (8/1/2018) | 0.4 (6/29/2016) | (0.636 - 0.4)/(23 - 14) | 0.0262222 |
| 0.362 (12/11/2018) | 0.4 (6/29/2016) | (0.362 - 0.4)/(24 - 14) | -0.0038 |
| 0.624 (4/17/2019) | 0.4 (6/29/2016) | (0.624 - 0.4)/(25 - 14) | 0.0203636 |
| 0.728 (6/11/2019) | 0.4 (6/29/2016) | (0.728 - 0.4)/(26 - 14) | 0.0273333 |
| 0.607 (8/28/2019) | 0.4 (6/29/2016) | (0.607 - 0.4)/(27 - 14) | 0.0159231 |
| 0.467 (10/28/2019) | 0.4 (6/29/2016) | (0.467 - 0.4)/(28 - 14) | 0.00478571 |
| ND<0.25 U (3/31/2020) | 0.4 (6/29/2016) | (0.25 - 0.4)/(29 - 14) | -0.01 |
| 0.832 (6/10/2020) | 0.4 (6/29/2016) | (0.832 - 0.4)/(30 - 14) | 0.027 |
| ND<0.25 U (9/21/2020) | 0.4 (6/29/2016) | (0.25 - 0.4)/(31 - 14) | -0.00882353 |
| 0.377 (12/17/2020) | 0.4 (6/29/2016) | (0.377 - 0.4)/(32 - 14) | -0.00127778 |
| 0.364 (3/18/2021) | 0.4 (6/29/2016) | (0.364 - 0.4)/(33 - 14) | -0.00189474 |
| 0.542 (5/5/2021) | 0.4 (6/29/2016) | (0.542 - 0.4)/(34 - 14) | 0.0071 |
| 3.44 (9/2/2021) | 0.4 (6/29/2016) | (3.44 - 0.4)/(35 - 14) | 0.144762 |
| 0.305 (11/23/2021) | 0.4 (6/29/2016) | (0.305 - 0.4)/(36 - 14) | -0.00431818 |
| 0.85 (1/10/2022) | 0.4 (6/29/2016) | (0.85 - 0.4)/(37 - 14) | 0.0195652 |
| 0.433 (4/7/2022) | 0.4 (6/29/2016) | (0.433 - 0.4)/(38 - 14) | 0.001375 |
| 0.588 (8/3/2022) | 0.4 (6/29/2016) | (0.588 - 0.4)/(39 - 14) | 0.00752 |
| 0.476 (11/16/2022) | 0.4 (6/29/2016) | (0.476 - 0.4)/(40 - 14) | 0.00292308 |
| 0.559 (2/13/2023) | 0.4 (6/29/2016) | (0.559 - 0.4)/(41 - 14) | 0.00588889 |
| | | | |
| 0.49 (12/7/2016) | 0.62 (8/9/2016) | (0.49 - 0.62)/(16 - 15) | -0.13 |
| 0.51 (3/2/2017) | 0.62 (8/9/2016) | (0.51 - 0.62)/(17 - 15) | -0.055 |
| 0.93 (6/21/2017) | 0.62 (8/9/2016) | (0.93 - 0.62)/(18 - 15) | 0.103333 |
| 0.68 (8/17/2017) | 0.62 (8/9/2016) | (0.68 - 0.62)/(19 - 15) | 0.015 |
| 0.39 (10/26/2017) | 0.62 (8/9/2016) | (0.39 - 0.62)/(20 - 15) | -0.046 |
| ND<0.25 U (3/27/2018) | 0.62 (8/9/2016) | (0.25 - 0.62)/(21 - 15) | -0.0616667 |
| 0.782 (6/26/2018) | 0.62 (8/9/2016) | (0.782 - 0.62)/(22 - 15) | 0.0231429 |
| 0.636 (8/1/2018) | 0.62 (8/9/2016) | (0.636 - 0.62)/(23 - 15) | 0.002 |
| 0.362 (12/11/2018) | 0.62 (8/9/2016) | (0.362 - 0.62)/(24 - 15) | -0.0286667 |
| 0.624 (4/17/2019) | 0.62 (8/9/2016) | (0.624 - 0.62)/(25 - 15) | 0.0004 |
| 0.728 (6/11/2019) | 0.62 (8/9/2016) | (0.728 - 0.62)/(26 - 15) | 0.00981818 |
| 0.607 (8/28/2019) | 0.62 (8/9/2016) | (0.607 - 0.62)/(27 - 15) | -0.00108333 |
| 0.467 (10/28/2019) | 0.62 (8/9/2016) | (0.467 - 0.62)/(28 - 15) | -0.0117692 |
| ND<0.25 U (3/31/2020) | 0.62 (8/9/2016) | (0.25 - 0.62)/(29 - 15) | -0.0264286 |
| 0.832 (6/10/2020) | 0.62 (8/9/2016) | (0.832 - 0.62)/(30 - 15) | 0.0141333 |
| ND<0.25 U (9/21/2020) | 0.62 (8/9/2016) | (0.25 - 0.62)/(31 - 15) | -0.023125 |
| 0.377 (12/17/2020) | 0.62 (8/9/2016) | (0.377 - 0.62)/(32 - 15) | -0.0142941 |
| 0.364 (3/18/2021) | 0.62 (8/9/2016) | (0.364 - 0.62)/(33 - 15) | -0.0142222 |
| 0.542 (5/5/2021) | 0.62 (8/9/2016) | (0.542 - 0.62)/(34 - 15) | -0.00410526 |
| 3.44 (9/2/2021) | 0.62 (8/9/2016) | (3.44 - 0.62)/(35 - 15) | 0.141 |
| 0.305 (11/23/2021) | 0.62 (8/9/2016) | (0.305 - 0.62)/(36 - 15) | -0.015 |

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|---|---|---|---|
| 0.85 (1/10/2022) | 0.62 (8/9/2016) | (0.85 - 0.62)/(37 - 15) | 0.0104545 |
| 0.433 (4/7/2022) | 0.62 (8/9/2016) | (0.433 - 0.62)/(38 - 15) | -0.00813043 |
| 0.588 (8/3/2022) | 0.62 (8/9/2016) | (0.588 - 0.62)/(39 - 15) | -0.00133333 |
| 0.476 (11/16/2022) | 0.62 (8/9/2016) | (0.476 - 0.62)/(40 - 15) | -0.00576 |
| 0.559 (2/13/2023) | 0.62 (8/9/2016) | (0.559 - 0.62)/(41 - 15) | -0.00234615 |
| | | | |
| 0.51 (3/2/2017) | 0.49 (12/7/2016) | (0.51 - 0.49)/(17 - 16) | 0.02 |
| 0.93 (6/21/2017) | 0.49 (12/7/2016) | (0.93 - 0.49)/(18 - 16) | 0.22 |
| 0.68 (8/17/2017) | 0.49 (12/7/2016) | (0.68 - 0.49)/(19 - 16) | 0.0633333 |
| 0.39 (10/26/2017) | 0.49 (12/7/2016) | (0.39 - 0.49)/(20 - 16) | -0.025 |
| ND<0.25 U (3/27/2018) | 0.49 (12/7/2016) | (0.25 - 0.49)/(21 - 16) | -0.048 |
| 0.782 (6/26/2018) | 0.49 (12/7/2016) | (0.782 - 0.49)/(22 - 16) | 0.0486667 |
| 0.636 (8/1/2018) | 0.49 (12/7/2016) | (0.636 - 0.49)/(23 - 16) | 0.0208571 |
| 0.362 (12/11/2018) | 0.49 (12/7/2016) | (0.362 - 0.49)/(24 - 16) | -0.016 |
| 0.624 (4/17/2019) | 0.49 (12/7/2016) | (0.624 - 0.49)/(25 - 16) | 0.0148889 |
| 0.728 (6/11/2019) | 0.49 (12/7/2016) | (0.728 - 0.49)/(26 - 16) | 0.0238 |
| 0.607 (8/28/2019) | 0.49 (12/7/2016) | (0.607 - 0.49)/(27 - 16) | 0.0106364 |
| 0.467 (10/28/2019) | 0.49 (12/7/2016) | (0.467 - 0.49)/(28 - 16) | -0.00191667 |
| ND<0.25 U (3/31/2020) | 0.49 (12/7/2016) | (0.25 - 0.49)/(29 - 16) | -0.0184615 |
| 0.832 (6/10/2020) | 0.49 (12/7/2016) | (0.832 - 0.49)/(30 - 16) | 0.0244286 |
| ND<0.25 U (9/21/2020) | 0.49 (12/7/2016) | (0.25 - 0.49)/(31 - 16) | -0.016 |
| 0.377 (12/17/2020) | 0.49 (12/7/2016) | (0.377 - 0.49)/(32 - 16) | -0.0070625 |
| 0.364 (3/18/2021) | 0.49 (12/7/2016) | (0.364 - 0.49)/(33 - 16) | -0.00741176 |
| 0.542 (5/5/2021) | 0.49 (12/7/2016) | (0.542 - 0.49)/(34 - 16) | 0.00288889 |
| 3.44 (9/2/2021) | 0.49 (12/7/2016) | (3.44 - 0.49)/(35 - 16) | 0.155263 |
| 0.305 (11/23/2021) | 0.49 (12/7/2016) | (0.305 - 0.49)/(36 - 16) | -0.00925 |
| 0.85 (1/10/2022) | 0.49 (12/7/2016) | (0.85 - 0.49)/(37 - 16) | 0.0171429 |
| 0.433 (4/7/2022) | 0.49 (12/7/2016) | (0.433 - 0.49)/(38 - 16) | -0.00259091 |
| 0.588 (8/3/2022) | 0.49 (12/7/2016) | (0.588 - 0.49)/(39 - 16) | 0.00426087 |
| 0.476 (11/16/2022) | 0.49 (12/7/2016) | (0.476 - 0.49)/(40 - 16) | -0.000583333 |
| 0.559 (2/13/2023) | 0.49 (12/7/2016) | (0.559 - 0.49)/(41 - 16) | 0.00276 |
| | | | |
| 0.93 (6/21/2017) | 0.51 (3/2/2017) | (0.93 - 0.51)/(18 - 17) | 0.42 |
| 0.68 (8/17/2017) | 0.51 (3/2/2017) | (0.68 - 0.51)/(19 - 17) | 0.085 |
| 0.39 (10/26/2017) | 0.51 (3/2/2017) | (0.39 - 0.51)/(20 - 17) | -0.04 |
| ND<0.25 U (3/27/2018) | 0.51 (3/2/2017) | (0.25 - 0.51)/(21 - 17) | -0.065 |
| 0.782 (6/26/2018) | 0.51 (3/2/2017) | (0.782 - 0.51)/(22 - 17) | 0.0544 |
| 0.636 (8/1/2018) | 0.51 (3/2/2017) | (0.636 - 0.51)/(23 - 17) | 0.021 |
| 0.362 (12/11/2018) | 0.51 (3/2/2017) | (0.362 - 0.51)/(24 - 17) | -0.0211429 |
| 0.624 (4/17/2019) | 0.51 (3/2/2017) | (0.624 - 0.51)/(25 - 17) | 0.01425 |
| 0.728 (6/11/2019) | 0.51 (3/2/2017) | (0.728 - 0.51)/(26 - 17) | 0.0242222 |
| 0.607 (8/28/2019) | 0.51 (3/2/2017) | (0.607 - 0.51)/(27 - 17) | 0.0097 |
| 0.467 (10/28/2019) | 0.51 (3/2/2017) | (0.467 - 0.51)/(28 - 17) | -0.00390909 |
| ND<0.25 U (3/31/2020) | 0.51 (3/2/2017) | (0.25 - 0.51)/(29 - 17) | -0.0216667 |
| 0.832 (6/10/2020) | 0.51 (3/2/2017) | (0.832 - 0.51)/(30 - 17) | 0.0247692 |
| ND<0.25 U (9/21/2020) | 0.51 (3/2/2017) | (0.25 - 0.51)/(31 - 17) | -0.0185714 |
| 0.377 (12/17/2020) | 0.51 (3/2/2017) | (0.377 - 0.51)/(32 - 17) | -0.00886667 |
| 0.364 (3/18/2021) | 0.51 (3/2/2017) | (0.364 - 0.51)/(33 - 17) | -0.009125 |
| 0.542 (5/5/2021) | 0.51 (3/2/2017) | (0.542 - 0.51)/(34 - 17) | 0.00188235 |
| 3.44 (9/2/2021) | 0.51 (3/2/2017) | (3.44 - 0.51)/(35 - 17) | 0.162778 |
| 0.305 (11/23/2021) | 0.51 (3/2/2017) | (0.305 - 0.51)/(36 - 17) | -0.0107895 |
| 0.85 (1/10/2022) | 0.51 (3/2/2017) | (0.85 - 0.51)/(37 - 17) | 0.017 |
| 0.433 (4/7/2022) | 0.51 (3/2/2017) | (0.433 - 0.51)/(38 - 17) | -0.00366667 |
| 0.588 (8/3/2022) | 0.51 (3/2/2017) | (0.588 - 0.51)/(39 - 17) | 0.00354545 |
| 0.476 (11/16/2022) | 0.51 (3/2/2017) | (0.476 - 0.51)/(40 - 17) | -0.00147826 |
| 0.559 (2/13/2023) | 0.51 (3/2/2017) | (0.559 - 0.51)/(41 - 17) | 0.00204167 |

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|---|---|---|---|
| 0.68 (8/17/2017) | 0.93 (6/21/2017) | (0.68 - 0.93)/(19 - 18) | -0.25 |
| 0.39 (10/26/2017) | 0.93 (6/21/2017) | (0.39 - 0.93)/(20 - 18) | -0.27 |
| ND<0.25 U (3/27/2018) | 0.93 (6/21/2017) | (0.25 - 0.93)/(21 - 18) | -0.226667 |
| 0.782 (6/26/2018) | 0.93 (6/21/2017) | (0.782 - 0.93)/(22 - 18) | -0.037 |
| 0.636 (8/1/2018) | 0.93 (6/21/2017) | (0.636 - 0.93)/(23 - 18) | -0.0588 |
| 0.362 (12/11/2018) | 0.93 (6/21/2017) | (0.362 - 0.93)/(24 - 18) | -0.0946667 |
| 0.624 (4/17/2019) | 0.93 (6/21/2017) | (0.624 - 0.93)/(25 - 18) | -0.0437143 |
| 0.728 (6/11/2019) | 0.93 (6/21/2017) | (0.728 - 0.93)/(26 - 18) | -0.02525 |
| 0.607 (8/28/2019) | 0.93 (6/21/2017) | (0.607 - 0.93)/(27 - 18) | -0.0358889 |
| 0.467 (10/28/2019) | 0.93 (6/21/2017) | (0.467 - 0.93)/(28 - 18) | -0.0463 |
| ND<0.25 U (3/31/2020) | 0.93 (6/21/2017) | (0.25 - 0.93)/(29 - 18) | -0.0618182 |
| 0.832 (6/10/2020) | 0.93 (6/21/2017) | (0.832 - 0.93)/(30 - 18) | -0.00816667 |
| ND<0.25 U (9/21/2020) | 0.93 (6/21/2017) | (0.25 - 0.93)/(31 - 18) | -0.0523077 |
| 0.377 (12/17/2020) | 0.93 (6/21/2017) | (0.377 - 0.93)/(32 - 18) | -0.0395 |
| 0.364 (3/18/2021) | 0.93 (6/21/2017) | (0.364 - 0.93)/(33 - 18) | -0.0377333 |
| 0.542 (5/5/2021) | 0.93 (6/21/2017) | (0.542 - 0.93)/(34 - 18) | -0.02425 |
| 3.44 (9/2/2021) | 0.93 (6/21/2017) | (3.44 - 0.93)/(35 - 18) | 0.147647 |
| 0.305 (11/23/2021) | 0.93 (6/21/2017) | (0.305 - 0.93)/(36 - 18) | -0.0347222 |
| 0.85 (1/10/2022) | 0.93 (6/21/2017) | (0.85 - 0.93)/(37 - 18) | -0.00421053 |
| 0.433 (4/7/2022) | 0.93 (6/21/2017) | (0.433 - 0.93)/(38 - 18) | -0.02485 |
| 0.588 (8/3/2022) | 0.93 (6/21/2017) | (0.588 - 0.93)/(39 - 18) | -0.0162857 |
| 0.476 (11/16/2022) | 0.93 (6/21/2017) | (0.476 - 0.93)/(40 - 18) | -0.0206364 |
| 0.559 (2/13/2023) | 0.93 (6/21/2017) | (0.559 - 0.93)/(41 - 18) | -0.0161304 |
| | | | |
| 0.39 (10/26/2017) | 0.68 (8/17/2017) | (0.39 - 0.68)/(20 - 19) | -0.29 |
| ND<0.25 U (3/27/2018) | 0.68 (8/17/2017) | (0.25 - 0.68)/(21 - 19) | -0.215 |
| 0.782 (6/26/2018) | 0.68 (8/17/2017) | (0.782 - 0.68)/(22 - 19) | 0.034 |
| 0.636 (8/1/2018) | 0.68 (8/17/2017) | (0.636 - 0.68)/(23 - 19) | -0.011 |
| 0.362 (12/11/2018) | 0.68 (8/17/2017) | (0.362 - 0.68)/(24 - 19) | -0.0636 |
| 0.624 (4/17/2019) | 0.68 (8/17/2017) | (0.624 - 0.68)/(25 - 19) | -0.00933333 |
| 0.728 (6/11/2019) | 0.68 (8/17/2017) | (0.728 - 0.68)/(26 - 19) | 0.00685714 |
| 0.607 (8/28/2019) | 0.68 (8/17/2017) | (0.607 - 0.68)/(27 - 19) | -0.009125 |
| 0.467 (10/28/2019) | 0.68 (8/17/2017) | (0.467 - 0.68)/(28 - 19) | -0.0236667 |
| ND<0.25 U (3/31/2020) | 0.68 (8/17/2017) | (0.25 - 0.68)/(29 - 19) | -0.043 |
| 0.832 (6/10/2020) | 0.68 (8/17/2017) | (0.832 - 0.68)/(30 - 19) | 0.0138182 |
| ND<0.25 U (9/21/2020) | 0.68 (8/17/2017) | (0.25 - 0.68)/(31 - 19) | -0.0358333 |
| 0.377 (12/17/2020) | 0.68 (8/17/2017) | (0.377 - 0.68)/(32 - 19) | -0.0233077 |
| 0.364 (3/18/2021) | 0.68 (8/17/2017) | (0.364 - 0.68)/(33 - 19) | -0.0225714 |
| 0.542 (5/5/2021) | 0.68 (8/17/2017) | (0.542 - 0.68)/(34 - 19) | -0.0092 |
| 3.44 (9/2/2021) | 0.68 (8/17/2017) | (3.44 - 0.68)/(35 - 19) | 0.1725 |
| 0.305 (11/23/2021) | 0.68 (8/17/2017) | (0.305 - 0.68)/(36 - 19) | -0.0220588 |
| 0.85 (1/10/2022) | 0.68 (8/17/2017) | (0.85 - 0.68)/(37 - 19) | 0.00944444 |
| 0.433 (4/7/2022) | 0.68 (8/17/2017) | (0.433 - 0.68)/(38 - 19) | -0.013 |
| 0.588 (8/3/2022) | 0.68 (8/17/2017) | (0.588 - 0.68)/(39 - 19) | -0.0046 |
| 0.476 (11/16/2022) | 0.68 (8/17/2017) | (0.476 - 0.68)/(40 - 19) | -0.00971429 |
| 0.559 (2/13/2023) | 0.68 (8/17/2017) | (0.559 - 0.68)/(41 - 19) | -0.0055 |
| | | | |
| ND<0.25 U (3/27/2018) | 0.39 (10/26/2017) | (0.25 - 0.39)/(21 - 20) | -0.14 |
| 0.782 (6/26/2018) | 0.39 (10/26/2017) | (0.782 - 0.39)/(22 - 20) | 0.196 |
| 0.636 (8/1/2018) | 0.39 (10/26/2017) | (0.636 - 0.39)/(23 - 20) | 0.082 |
| 0.362 (12/11/2018) | 0.39 (10/26/2017) | (0.362 - 0.39)/(24 - 20) | -0.007 |
| 0.624 (4/17/2019) | 0.39 (10/26/2017) | (0.624 - 0.39)/(25 - 20) | 0.0468 |
| 0.728 (6/11/2019) | 0.39 (10/26/2017) | (0.728 - 0.39)/(26 - 20) | 0.0563333 |
| 0.607 (8/28/2019) | 0.39 (10/26/2017) | (0.607 - 0.39)/(27 - 20) | 0.031 |
| 0.467 (10/28/2019) | 0.39 (10/26/2017) | (0.467 - 0.39)/(28 - 20) | 0.009625 |
| ND<0.25 U (3/31/2020) | 0.39 (10/26/2017) | (0.25 - 0.39)/(29 - 20) | -0.0155556 |
| 0.832 (6/10/2020) | 0.39 (10/26/2017) | (0.832 - 0.39)/(30 - 20) | 0.0442 |

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|---|---|---|---|
| ND<0.25 U (9/21/2020) | 0.39 (10/26/2017) | (0.25 - 0.39)/(31 - 20) | -0.0127273 |
| 0.377 (12/17/2020) | 0.39 (10/26/2017) | (0.377 - 0.39)/(32 - 20) | -0.00108333 |
| 0.364 (3/18/2021) | 0.39 (10/26/2017) | (0.364 - 0.39)/(33 - 20) | -0.002 |
| 0.542 (5/5/2021) | 0.39 (10/26/2017) | (0.542 - 0.39)/(34 - 20) | 0.0108571 |
| 3.44 (9/2/2021) | 0.39 (10/26/2017) | (3.44 - 0.39)/(35 - 20) | 0.203333 |
| 0.305 (11/23/2021) | 0.39 (10/26/2017) | (0.305 - 0.39)/(36 - 20) | -0.0053125 |
| 0.85 (1/10/2022) | 0.39 (10/26/2017) | (0.85 - 0.39)/(37 - 20) | 0.0270588 |
| 0.433 (4/7/2022) | 0.39 (10/26/2017) | (0.433 - 0.39)/(38 - 20) | 0.00238889 |
| 0.588 (8/3/2022) | 0.39 (10/26/2017) | (0.588 - 0.39)/(39 - 20) | 0.0104211 |
| 0.476 (11/16/2022) | 0.39 (10/26/2017) | (0.476 - 0.39)/(40 - 20) | 0.0043 |
| 0.559 (2/13/2023) | 0.39 (10/26/2017) | (0.559 - 0.39)/(41 - 20) | 0.00804762 |
| | | | |
| 0.782 (6/26/2018) | ND<0.25 U (3/27/2018) | (0.782 - 0.25)/(22 - 21) | 0.532 |
| 0.636 (8/1/2018) | ND<0.25 U (3/27/2018) | (0.636 - 0.25)/(23 - 21) | 0.193 |
| 0.362 (12/11/2018) | ND<0.25 U (3/27/2018) | (0.362 - 0.25)/(24 - 21) | 0.0373333 |
| 0.624 (4/17/2019) | ND<0.25 U (3/27/2018) | (0.624 - 0.25)/(25 - 21) | 0.0935 |
| 0.728 (6/11/2019) | ND<0.25 U (3/27/2018) | (0.728 - 0.25)/(26 - 21) | 0.0956 |
| 0.607 (8/28/2019) | ND<0.25 U (3/27/2018) | (0.607 - 0.25)/(27 - 21) | 0.0595 |
| 0.467 (10/28/2019) | ND<0.25 U (3/27/2018) | (0.467 - 0.25)/(28 - 21) | 0.031 |
| ND<0.25 U (3/31/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(29 - 21) | 0 |
| 0.832 (6/10/2020) | ND<0.25 U (3/27/2018) | (0.832 - 0.25)/(30 - 21) | 0.0646667 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(31 - 21) | 0 |
| 0.377 (12/17/2020) | ND<0.25 U (3/27/2018) | (0.377 - 0.25)/(32 - 21) | 0.0115455 |
| 0.364 (3/18/2021) | ND<0.25 U (3/27/2018) | (0.364 - 0.25)/(33 - 21) | 0.0095 |
| 0.542 (5/5/2021) | ND<0.25 U (3/27/2018) | (0.542 - 0.25)/(34 - 21) | 0.0224615 |
| 3.44 (9/2/2021) | ND<0.25 U (3/27/2018) | (3.44 - 0.25)/(35 - 21) | 0.227857 |
| 0.305 (11/23/2021) | ND<0.25 U (3/27/2018) | (0.305 - 0.25)/(36 - 21) | 0.00366667 |
| 0.85 (1/10/2022) | ND<0.25 U (3/27/2018) | (0.85 - 0.25)/(37 - 21) | 0.0375 |
| 0.433 (4/7/2022) | ND<0.25 U (3/27/2018) | (0.433 - 0.25)/(38 - 21) | 0.0107647 |
| 0.588 (8/3/2022) | ND<0.25 U (3/27/2018) | (0.588 - 0.25)/(39 - 21) | 0.0187778 |
| 0.476 (11/16/2022) | ND<0.25 U (3/27/2018) | (0.476 - 0.25)/(40 - 21) | 0.0118947 |
| 0.559 (2/13/2023) | ND<0.25 U (3/27/2018) | (0.559 - 0.25)/(41 - 21) | 0.01545 |
| | | | |
| 0.636 (8/1/2018) | 0.782 (6/26/2018) | (0.636 - 0.782)/(23 - 22) | -0.146 |
| 0.362 (12/11/2018) | 0.782 (6/26/2018) | (0.362 - 0.782)/(24 - 22) | -0.21 |
| 0.624 (4/17/2019) | 0.782 (6/26/2018) | (0.624 - 0.782)/(25 - 22) | -0.0526667 |
| 0.728 (6/11/2019) | 0.782 (6/26/2018) | (0.728 - 0.782)/(26 - 22) | -0.0135 |
| 0.607 (8/28/2019) | 0.782 (6/26/2018) | (0.607 - 0.782)/(27 - 22) | -0.035 |
| 0.467 (10/28/2019) | 0.782 (6/26/2018) | (0.467 - 0.782)/(28 - 22) | -0.0525 |
| ND<0.25 U (3/31/2020) | 0.782 (6/26/2018) | (0.25 - 0.782)/(29 - 22) | -0.076 |
| 0.832 (6/10/2020) | 0.782 (6/26/2018) | (0.832 - 0.782)/(30 - 22) | 0.00625 |
| ND<0.25 U (9/21/2020) | 0.782 (6/26/2018) | (0.25 - 0.782)/(31 - 22) | -0.0591111 |
| 0.377 (12/17/2020) | 0.782 (6/26/2018) | (0.377 - 0.782)/(32 - 22) | -0.0405 |
| 0.364 (3/18/2021) | 0.782 (6/26/2018) | (0.364 - 0.782)/(33 - 22) | -0.038 |
| 0.542 (5/5/2021) | 0.782 (6/26/2018) | (0.542 - 0.782)/(34 - 22) | -0.02 |
| 3.44 (9/2/2021) | 0.782 (6/26/2018) | (3.44 - 0.782)/(35 - 22) | 0.204462 |
| 0.305 (11/23/2021) | 0.782 (6/26/2018) | (0.305 - 0.782)/(36 - 22) | -0.0340714 |
| 0.85 (1/10/2022) | 0.782 (6/26/2018) | (0.85 - 0.782)/(37 - 22) | 0.00453333 |
| 0.433 (4/7/2022) | 0.782 (6/26/2018) | (0.433 - 0.782)/(38 - 22) | -0.0218125 |
| 0.588 (8/3/2022) | 0.782 (6/26/2018) | (0.588 - 0.782)/(39 - 22) | -0.0114118 |
| 0.476 (11/16/2022) | 0.782 (6/26/2018) | (0.476 - 0.782)/(40 - 22) | -0.017 |
| 0.559 (2/13/2023) | 0.782 (6/26/2018) | (0.559 - 0.782)/(41 - 22) | -0.0117368 |
| | | | |
| 0.362 (12/11/2018) | 0.636 (8/1/2018) | (0.362 - 0.636)/(24 - 23) | -0.274 |
| 0.624 (4/17/2019) | 0.636 (8/1/2018) | (0.624 - 0.636)/(25 - 23) | -0.006 |
| 0.728 (6/11/2019) | 0.636 (8/1/2018) | (0.728 - 0.636)/(26 - 23) | 0.0306667 |
| 0.607 (8/28/2019) | 0.636 (8/1/2018) | (0.607 - 0.636)/(27 - 23) | -0.00725 |

| | | | |
|---|---|---|---|
| 0.467 (10/28/2019) | 0.636 (8/1/2018) | (0.467 - 0.636)/(28 - 23) | -0.0338 |
| ND<0.25 U (3/31/2020) | 0.636 (8/1/2018) | (0.25 - 0.636)/(29 - 23) | -0.0643333 |
| 0.832 (6/10/2020) | 0.636 (8/1/2018) | (0.832 - 0.636)/(30 - 23) | 0.028 |
| ND<0.25 U (9/21/2020) | 0.636 (8/1/2018) | (0.25 - 0.636)/(31 - 23) | -0.04825 |
| 0.377 (12/17/2020) | 0.636 (8/1/2018) | (0.377 - 0.636)/(32 - 23) | -0.0287778 |
| 0.364 (3/18/2021) | 0.636 (8/1/2018) | (0.364 - 0.636)/(33 - 23) | -0.0272 |
| 0.542 (5/5/2021) | 0.636 (8/1/2018) | (0.542 - 0.636)/(34 - 23) | -0.00854545 |
| 3.44 (9/2/2021) | 0.636 (8/1/2018) | (3.44 - 0.636)/(35 - 23) | 0.233667 |
| 0.305 (11/23/2021) | 0.636 (8/1/2018) | (0.305 - 0.636)/(36 - 23) | -0.0254615 |
| 0.85 (1/10/2022) | 0.636 (8/1/2018) | (0.85 - 0.636)/(37 - 23) | 0.0152857 |
| 0.433 (4/7/2022) | 0.636 (8/1/2018) | (0.433 - 0.636)/(38 - 23) | -0.0135333 |
| 0.588 (8/3/2022) | 0.636 (8/1/2018) | (0.588 - 0.636)/(39 - 23) | -0.003 |
| 0.476 (11/16/2022) | 0.636 (8/1/2018) | (0.476 - 0.636)/(40 - 23) | -0.00941176 |
| 0.559 (2/13/2023) | 0.636 (8/1/2018) | (0.559 - 0.636)/(41 - 23) | -0.00427778 |
| | | | |
| 0.624 (4/17/2019) | 0.362 (12/11/2018) | (0.624 - 0.362)/(25 - 24) | 0.262 |
| 0.728 (6/11/2019) | 0.362 (12/11/2018) | (0.728 - 0.362)/(26 - 24) | 0.183 |
| 0.607 (8/28/2019) | 0.362 (12/11/2018) | (0.607 - 0.362)/(27 - 24) | 0.0816667 |
| 0.467 (10/28/2019) | 0.362 (12/11/2018) | (0.467 - 0.362)/(28 - 24) | 0.02625 |
| ND<0.25 U (3/31/2020) | 0.362 (12/11/2018) | (0.25 - 0.362)/(29 - 24) | -0.0224 |
| 0.832 (6/10/2020) | 0.362 (12/11/2018) | (0.832 - 0.362)/(30 - 24) | 0.0783333 |
| ND<0.25 U (9/21/2020) | 0.362 (12/11/2018) | (0.25 - 0.362)/(31 - 24) | -0.016 |
| 0.377 (12/17/2020) | 0.362 (12/11/2018) | (0.377 - 0.362)/(32 - 24) | 0.001875 |
| 0.364 (3/18/2021) | 0.362 (12/11/2018) | (0.364 - 0.362)/(33 - 24) | 0.000222222 |
| 0.542 (5/5/2021) | 0.362 (12/11/2018) | (0.542 - 0.362)/(34 - 24) | 0.018 |
| 3.44 (9/2/2021) | 0.362 (12/11/2018) | (3.44 - 0.362)/(35 - 24) | 0.279818 |
| 0.305 (11/23/2021) | 0.362 (12/11/2018) | (0.305 - 0.362)/(36 - 24) | -0.00475 |
| 0.85 (1/10/2022) | 0.362 (12/11/2018) | (0.85 - 0.362)/(37 - 24) | 0.0375385 |
| 0.433 (4/7/2022) | 0.362 (12/11/2018) | (0.433 - 0.362)/(38 - 24) | 0.00507143 |
| 0.588 (8/3/2022) | 0.362 (12/11/2018) | (0.588 - 0.362)/(39 - 24) | 0.0150667 |
| 0.476 (11/16/2022) | 0.362 (12/11/2018) | (0.476 - 0.362)/(40 - 24) | 0.007125 |
| 0.559 (2/13/2023) | 0.362 (12/11/2018) | (0.559 - 0.362)/(41 - 24) | 0.0115882 |
| | | | |
| 0.728 (6/11/2019) | 0.624 (4/17/2019) | (0.728 - 0.624)/(26 - 25) | 0.104 |
| 0.607 (8/28/2019) | 0.624 (4/17/2019) | (0.607 - 0.624)/(27 - 25) | -0.0085 |
| 0.467 (10/28/2019) | 0.624 (4/17/2019) | (0.467 - 0.624)/(28 - 25) | -0.0523333 |
| ND<0.25 U (3/31/2020) | 0.624 (4/17/2019) | (0.25 - 0.624)/(29 - 25) | -0.0935 |
| 0.832 (6/10/2020) | 0.624 (4/17/2019) | (0.832 - 0.624)/(30 - 25) | 0.0416 |
| ND<0.25 U (9/21/2020) | 0.624 (4/17/2019) | (0.25 - 0.624)/(31 - 25) | -0.0623333 |
| 0.377 (12/17/2020) | 0.624 (4/17/2019) | (0.377 - 0.624)/(32 - 25) | -0.0352857 |
| 0.364 (3/18/2021) | 0.624 (4/17/2019) | (0.364 - 0.624)/(33 - 25) | -0.0325 |
| 0.542 (5/5/2021) | 0.624 (4/17/2019) | (0.542 - 0.624)/(34 - 25) | -0.00911111 |
| 3.44 (9/2/2021) | 0.624 (4/17/2019) | (3.44 - 0.624)/(35 - 25) | 0.2816 |
| 0.305 (11/23/2021) | 0.624 (4/17/2019) | (0.305 - 0.624)/(36 - 25) | -0.029 |
| 0.85 (1/10/2022) | 0.624 (4/17/2019) | (0.85 - 0.624)/(37 - 25) | 0.0188333 |
| 0.433 (4/7/2022) | 0.624 (4/17/2019) | (0.433 - 0.624)/(38 - 25) | -0.0146923 |
| 0.588 (8/3/2022) | 0.624 (4/17/2019) | (0.588 - 0.624)/(39 - 25) | -0.00257143 |
| 0.476 (11/16/2022) | 0.624 (4/17/2019) | (0.476 - 0.624)/(40 - 25) | -0.00986667 |
| 0.559 (2/13/2023) | 0.624 (4/17/2019) | (0.559 - 0.624)/(41 - 25) | -0.0040625 |
| | | | |
| 0.607 (8/28/2019) | 0.728 (6/11/2019) | (0.607 - 0.728)/(27 - 26) | -0.121 |
| 0.467 (10/28/2019) | 0.728 (6/11/2019) | (0.467 - 0.728)/(28 - 26) | -0.1305 |
| ND<0.25 U (3/31/2020) | 0.728 (6/11/2019) | (0.25 - 0.728)/(29 - 26) | -0.159333 |
| 0.832 (6/10/2020) | 0.728 (6/11/2019) | (0.832 - 0.728)/(30 - 26) | 0.026 |
| ND<0.25 U (9/21/2020) | 0.728 (6/11/2019) | (0.25 - 0.728)/(31 - 26) | -0.0956 |
| 0.377 (12/17/2020) | 0.728 (6/11/2019) | (0.377 - 0.728)/(32 - 26) | -0.0585 |
| 0.364 (3/18/2021) | 0.728 (6/11/2019) | (0.364 - 0.728)/(33 - 26) | -0.052 |

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|---|---|---|---|
| 0.542 (5/5/2021) | 0.728 (6/11/2019) | (0.542 - 0.728)/(34 - 26) | -0.02325 |
| 3.44 (9/2/2021) | 0.728 (6/11/2019) | (3.44 - 0.728)/(35 - 26) | 0.301333 |
| 0.305 (11/23/2021) | 0.728 (6/11/2019) | (0.305 - 0.728)/(36 - 26) | -0.0423 |
| 0.85 (1/10/2022) | 0.728 (6/11/2019) | (0.85 - 0.728)/(37 - 26) | 0.0110909 |
| 0.433 (4/7/2022) | 0.728 (6/11/2019) | (0.433 - 0.728)/(38 - 26) | -0.0245833 |
| 0.588 (8/3/2022) | 0.728 (6/11/2019) | (0.588 - 0.728)/(39 - 26) | -0.0107692 |
| 0.476 (11/16/2022) | 0.728 (6/11/2019) | (0.476 - 0.728)/(40 - 26) | -0.018 |
| 0.559 (2/13/2023) | 0.728 (6/11/2019) | (0.559 - 0.728)/(41 - 26) | -0.0112667 |
| | | | |
| 0.467 (10/28/2019) | 0.607 (8/28/2019) | (0.467 - 0.607)/(28 - 27) | -0.14 |
| ND<0.25 U (3/31/2020) | 0.607 (8/28/2019) | (0.25 - 0.607)/(29 - 27) | -0.1785 |
| 0.832 (6/10/2020) | 0.607 (8/28/2019) | (0.832 - 0.607)/(30 - 27) | 0.075 |
| ND<0.25 U (9/21/2020) | 0.607 (8/28/2019) | (0.25 - 0.607)/(31 - 27) | -0.08925 |
| 0.377 (12/17/2020) | 0.607 (8/28/2019) | (0.377 - 0.607)/(32 - 27) | -0.046 |
| 0.364 (3/18/2021) | 0.607 (8/28/2019) | (0.364 - 0.607)/(33 - 27) | -0.0405 |
| 0.542 (5/5/2021) | 0.607 (8/28/2019) | (0.542 - 0.607)/(34 - 27) | -0.00928571 |
| 3.44 (9/2/2021) | 0.607 (8/28/2019) | (3.44 - 0.607)/(35 - 27) | 0.354125 |
| 0.305 (11/23/2021) | 0.607 (8/28/2019) | (0.305 - 0.607)/(36 - 27) | -0.0335556 |
| 0.85 (1/10/2022) | 0.607 (8/28/2019) | (0.85 - 0.607)/(37 - 27) | 0.0243 |
| 0.433 (4/7/2022) | 0.607 (8/28/2019) | (0.433 - 0.607)/(38 - 27) | -0.0158182 |
| 0.588 (8/3/2022) | 0.607 (8/28/2019) | (0.588 - 0.607)/(39 - 27) | -0.00158333 |
| 0.476 (11/16/2022) | 0.607 (8/28/2019) | (0.476 - 0.607)/(40 - 27) | -0.0100769 |
| 0.559 (2/13/2023) | 0.607 (8/28/2019) | (0.559 - 0.607)/(41 - 27) | -0.00342857 |
| | | | |
| ND<0.25 U (3/31/2020) | 0.467 (10/28/2019) | (0.25 - 0.467)/(29 - 28) | -0.217 |
| 0.832 (6/10/2020) | 0.467 (10/28/2019) | (0.832 - 0.467)/(30 - 28) | 0.1825 |
| ND<0.25 U (9/21/2020) | 0.467 (10/28/2019) | (0.25 - 0.467)/(31 - 28) | -0.0723333 |
| 0.377 (12/17/2020) | 0.467 (10/28/2019) | (0.377 - 0.467)/(32 - 28) | -0.0225 |
| 0.364 (3/18/2021) | 0.467 (10/28/2019) | (0.364 - 0.467)/(33 - 28) | -0.0206 |
| 0.542 (5/5/2021) | 0.467 (10/28/2019) | (0.542 - 0.467)/(34 - 28) | 0.0125 |
| 3.44 (9/2/2021) | 0.467 (10/28/2019) | (3.44 - 0.467)/(35 - 28) | 0.424714 |
| 0.305 (11/23/2021) | 0.467 (10/28/2019) | (0.305 - 0.467)/(36 - 28) | -0.02025 |
| 0.85 (1/10/2022) | 0.467 (10/28/2019) | (0.85 - 0.467)/(37 - 28) | 0.0425556 |
| 0.433 (4/7/2022) | 0.467 (10/28/2019) | (0.433 - 0.467)/(38 - 28) | -0.0034 |
| 0.588 (8/3/2022) | 0.467 (10/28/2019) | (0.588 - 0.467)/(39 - 28) | 0.011 |
| 0.476 (11/16/2022) | 0.467 (10/28/2019) | (0.476 - 0.467)/(40 - 28) | 0.00075 |
| 0.559 (2/13/2023) | 0.467 (10/28/2019) | (0.559 - 0.467)/(41 - 28) | 0.00707692 |
| | | | |
| 0.832 (6/10/2020) | ND<0.25 U (3/31/2020) | (0.832 - 0.25)/(30 - 29) | 0.582 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/31/2020) | (0.25 - 0.25)/(31 - 29) | 0 |
| 0.377 (12/17/2020) | ND<0.25 U (3/31/2020) | (0.377 - 0.25)/(32 - 29) | 0.0423333 |
| 0.364 (3/18/2021) | ND<0.25 U (3/31/2020) | (0.364 - 0.25)/(33 - 29) | 0.0285 |
| 0.542 (5/5/2021) | ND<0.25 U (3/31/2020) | (0.542 - 0.25)/(34 - 29) | 0.0584 |
| 3.44 (9/2/2021) | ND<0.25 U (3/31/2020) | (3.44 - 0.25)/(35 - 29) | 0.531667 |
| 0.305 (11/23/2021) | ND<0.25 U (3/31/2020) | (0.305 - 0.25)/(36 - 29) | 0.00785714 |
| 0.85 (1/10/2022) | ND<0.25 U (3/31/2020) | (0.85 - 0.25)/(37 - 29) | 0.075 |
| 0.433 (4/7/2022) | ND<0.25 U (3/31/2020) | (0.433 - 0.25)/(38 - 29) | 0.0203333 |
| 0.588 (8/3/2022) | ND<0.25 U (3/31/2020) | (0.588 - 0.25)/(39 - 29) | 0.0338 |
| 0.476 (11/16/2022) | ND<0.25 U (3/31/2020) | (0.476 - 0.25)/(40 - 29) | 0.0205455 |
| 0.559 (2/13/2023) | ND<0.25 U (3/31/2020) | (0.559 - 0.25)/(41 - 29) | 0.02575 |
| | | | |
| ND<0.25 U (9/21/2020) | 0.832 (6/10/2020) | (0.25 - 0.832)/(31 - 30) | -0.582 |
| 0.377 (12/17/2020) | 0.832 (6/10/2020) | (0.377 - 0.832)/(32 - 30) | -0.2275 |
| 0.364 (3/18/2021) | 0.832 (6/10/2020) | (0.364 - 0.832)/(33 - 30) | -0.156 |
| 0.542 (5/5/2021) | 0.832 (6/10/2020) | (0.542 - 0.832)/(34 - 30) | -0.0725 |
| 3.44 (9/2/2021) | 0.832 (6/10/2020) | (3.44 - 0.832)/(35 - 30) | 0.5216 |
| 0.305 (11/23/2021) | 0.832 (6/10/2020) | (0.305 - 0.832)/(36 - 30) | -0.0878333 |

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|---|---|---|---|
| 0.85 (1/10/2022) | 0.832 (6/10/2020) | (0.85 - 0.832)/(37 - 30) | 0.00257143 |
| 0.433 (4/7/2022) | 0.832 (6/10/2020) | (0.433 - 0.832)/(38 - 30) | -0.049875 |
| 0.588 (8/3/2022) | 0.832 (6/10/2020) | (0.588 - 0.832)/(39 - 30) | -0.0271111 |
| 0.476 (11/16/2022) | 0.832 (6/10/2020) | (0.476 - 0.832)/(40 - 30) | -0.0356 |
| 0.559 (2/13/2023) | 0.832 (6/10/2020) | (0.559 - 0.832)/(41 - 30) | -0.0248182 |
| | | | |
| 0.377 (12/17/2020) | ND<0.25 U (9/21/2020) | (0.377 - 0.25)/(32 - 31) | 0.127 |
| 0.364 (3/18/2021) | ND<0.25 U (9/21/2020) | (0.364 - 0.25)/(33 - 31) | 0.057 |
| 0.542 (5/5/2021) | ND<0.25 U (9/21/2020) | (0.542 - 0.25)/(34 - 31) | 0.0973333 |
| 3.44 (9/2/2021) | ND<0.25 U (9/21/2020) | (3.44 - 0.25)/(35 - 31) | 0.7975 |
| 0.305 (11/23/2021) | ND<0.25 U (9/21/2020) | (0.305 - 0.25)/(36 - 31) | 0.011 |
| 0.85 (1/10/2022) | ND<0.25 U (9/21/2020) | (0.85 - 0.25)/(37 - 31) | 0.1 |
| 0.433 (4/7/2022) | ND<0.25 U (9/21/2020) | (0.433 - 0.25)/(38 - 31) | 0.0261429 |
| 0.588 (8/3/2022) | ND<0.25 U (9/21/2020) | (0.588 - 0.25)/(39 - 31) | 0.04225 |
| 0.476 (11/16/2022) | ND<0.25 U (9/21/2020) | (0.476 - 0.25)/(40 - 31) | 0.0251111 |
| 0.559 (2/13/2023) | ND<0.25 U (9/21/2020) | (0.559 - 0.25)/(41 - 31) | 0.0309 |
| | | | |
| 0.364 (3/18/2021) | 0.377 (12/17/2020) | (0.364 - 0.377)/(33 - 32) | -0.013 |
| 0.542 (5/5/2021) | 0.377 (12/17/2020) | (0.542 - 0.377)/(34 - 32) | 0.0825 |
| 3.44 (9/2/2021) | 0.377 (12/17/2020) | (3.44 - 0.377)/(35 - 32) | 1.021 |
| 0.305 (11/23/2021) | 0.377 (12/17/2020) | (0.305 - 0.377)/(36 - 32) | -0.018 |
| 0.85 (1/10/2022) | 0.377 (12/17/2020) | (0.85 - 0.377)/(37 - 32) | 0.0946 |
| 0.433 (4/7/2022) | 0.377 (12/17/2020) | (0.433 - 0.377)/(38 - 32) | 0.00933333 |
| 0.588 (8/3/2022) | 0.377 (12/17/2020) | (0.588 - 0.377)/(39 - 32) | 0.0301429 |
| 0.476 (11/16/2022) | 0.377 (12/17/2020) | (0.476 - 0.377)/(40 - 32) | 0.012375 |
| 0.559 (2/13/2023) | 0.377 (12/17/2020) | (0.559 - 0.377)/(41 - 32) | 0.0202222 |
| | | | |
| 0.542 (5/5/2021) | 0.364 (3/18/2021) | (0.542 - 0.364)/(34 - 33) | 0.178 |
| 3.44 (9/2/2021) | 0.364 (3/18/2021) | (3.44 - 0.364)/(35 - 33) | 1.538 |
| 0.305 (11/23/2021) | 0.364 (3/18/2021) | (0.305 - 0.364)/(36 - 33) | -0.0196667 |
| 0.85 (1/10/2022) | 0.364 (3/18/2021) | (0.85 - 0.364)/(37 - 33) | 0.1215 |
| 0.433 (4/7/2022) | 0.364 (3/18/2021) | (0.433 - 0.364)/(38 - 33) | 0.0138 |
| 0.588 (8/3/2022) | 0.364 (3/18/2021) | (0.588 - 0.364)/(39 - 33) | 0.0373333 |
| 0.476 (11/16/2022) | 0.364 (3/18/2021) | (0.476 - 0.364)/(40 - 33) | 0.016 |
| 0.559 (2/13/2023) | 0.364 (3/18/2021) | (0.559 - 0.364)/(41 - 33) | 0.024375 |
| | | | |
| 3.44 (9/2/2021) | 0.542 (5/5/2021) | (3.44 - 0.542)/(35 - 34) | 2.898 |
| 0.305 (11/23/2021) | 0.542 (5/5/2021) | (0.305 - 0.542)/(36 - 34) | -0.1185 |
| 0.85 (1/10/2022) | 0.542 (5/5/2021) | (0.85 - 0.542)/(37 - 34) | 0.102667 |
| 0.433 (4/7/2022) | 0.542 (5/5/2021) | (0.433 - 0.542)/(38 - 34) | -0.02725 |
| 0.588 (8/3/2022) | 0.542 (5/5/2021) | (0.588 - 0.542)/(39 - 34) | 0.0092 |
| 0.476 (11/16/2022) | 0.542 (5/5/2021) | (0.476 - 0.542)/(40 - 34) | -0.011 |
| 0.559 (2/13/2023) | 0.542 (5/5/2021) | (0.559 - 0.542)/(41 - 34) | 0.00242857 |
| | | | |
| 0.305 (11/23/2021) | 3.44 (9/2/2021) | (0.305 - 3.44)/(36 - 35) | -3.135 |
| 0.85 (1/10/2022) | 3.44 (9/2/2021) | (0.85 - 3.44)/(37 - 35) | -1.295 |
| 0.433 (4/7/2022) | 3.44 (9/2/2021) | (0.433 - 3.44)/(38 - 35) | -1.00233 |
| 0.588 (8/3/2022) | 3.44 (9/2/2021) | (0.588 - 3.44)/(39 - 35) | -0.713 |
| 0.476 (11/16/2022) | 3.44 (9/2/2021) | (0.476 - 3.44)/(40 - 35) | -0.5928 |
| 0.559 (2/13/2023) | 3.44 (9/2/2021) | (0.559 - 3.44)/(41 - 35) | -0.480167 |
| | | | |
| 0.85 (1/10/2022) | 0.305 (11/23/2021) | (0.85 - 0.305)/(37 - 36) | 0.545 |
| 0.433 (4/7/2022) | 0.305 (11/23/2021) | (0.433 - 0.305)/(38 - 36) | 0.064 |
| 0.588 (8/3/2022) | 0.305 (11/23/2021) | (0.588 - 0.305)/(39 - 36) | 0.0943333 |
| 0.476 (11/16/2022) | 0.305 (11/23/2021) | (0.476 - 0.305)/(40 - 36) | 0.04275 |
| 0.559 (2/13/2023) | 0.305 (11/23/2021) | (0.559 - 0.305)/(41 - 36) | 0.0508 |

| | | | |
|---|---|---|---|
| 0.433 (4/7/2022) | 0.85 (1/10/2022) | (0.433 - 0.85)/(38 - 37) | -0.417 |
| 0.588 (8/3/2022) | 0.85 (1/10/2022) | (0.588 - 0.85)/(39 - 37) | -0.131 |
| 0.476 (11/16/2022) | 0.85 (1/10/2022) | (0.476 - 0.85)/(40 - 37) | -0.124667 |
| 0.559 (2/13/2023) | 0.85 (1/10/2022) | (0.559 - 0.85)/(41 - 37) | -0.07275 |
| | | | |
| 0.588 (8/3/2022) | 0.433 (4/7/2022) | (0.588 - 0.433)/(39 - 38) | 0.155 |
| 0.476 (11/16/2022) | 0.433 (4/7/2022) | (0.476 - 0.433)/(40 - 38) | 0.0215 |
| 0.559 (2/13/2023) | 0.433 (4/7/2022) | (0.559 - 0.433)/(41 - 38) | 0.042 |
| | | | |
| 0.476 (11/16/2022) | 0.588 (8/3/2022) | (0.476 - 0.588)/(40 - 39) | -0.112 |
| 0.559 (2/13/2023) | 0.588 (8/3/2022) | (0.559 - 0.588)/(41 - 39) | -0.0145 |
| | | | |
| 0.559 (2/13/2023) | 0.476 (11/16/2022) | (0.559 - 0.476)/(41 - 40) | 0.083 |

Number of Q values = 820

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -3.135 |
| 2 | -1.295 |
| 3 | -1.00233 |
| 4 | -0.713 |
| 5 | -0.5928 |
| 6 | -0.582 |
| 7 | -0.480167 |
| 8 | -0.417 |
| 9 | -0.29 |
| 10 | -0.274 |
| 11 | -0.27 |
| 12 | -0.27 |
| 13 | -0.25 |
| 14 | -0.235 |
| 15 | -0.2275 |
| 16 | -0.226667 |
| 17 | -0.217 |
| 18 | -0.215 |
| 19 | -0.21 |
| 20 | -0.2 |
| 21 | -0.19 |
| 22 | -0.19 |
| 23 | -0.185 |
| 24 | -0.1785 |
| 25 | -0.17 |
| 26 | -0.159333 |
| 27 | -0.156 |
| 28 | -0.146 |
| 29 | -0.145 |
| 30 | -0.14 |
| 31 | -0.14 |
| 32 | -0.131 |
| 33 | -0.1305 |
| 34 | -0.13 |
| 35 | -0.124667 |
| 36 | -0.121 |
| 37 | -0.12 |
| 38 | -0.1185 |

| | |
|---|---|
| 39 | -0.115 |
| 40 | -0.112 |
| 41 | -0.1 |
| 42 | -0.1 |
| 43 | -0.096 |
| 44 | -0.0956 |
| 45 | -0.0946667 |
| 46 | -0.0935 |
| 47 | -0.09 |
| 48 | -0.08925 |
| 49 | -0.0878333 |
| 50 | -0.0875 |
| 51 | -0.08 |
| 52 | -0.0766667 |
| 53 | -0.076 |
| 54 | -0.07275 |
| 55 | -0.0725 |
| 56 | -0.0723333 |
| 57 | -0.072 |
| 58 | -0.07 |
| 59 | -0.065 |
| 60 | -0.0644444 |
| 61 | -0.0643333 |
| 62 | -0.0636 |
| 63 | -0.0623333 |
| 64 | -0.0618182 |
| 65 | -0.0616667 |
| 66 | -0.0591111 |
| 67 | -0.0588 |
| 68 | -0.0585 |
| 69 | -0.0577778 |
| 70 | -0.055 |
| 71 | -0.0533333 |
| 72 | -0.0526667 |
| 73 | -0.0525 |
| 74 | -0.0523333 |
| 75 | -0.0523077 |
| 76 | -0.052 |
| 77 | -0.052 |
| 78 | -0.05 |
| 79 | -0.05 |
| 80 | -0.049875 |
| 81 | -0.04825 |
| 82 | -0.048 |
| 83 | -0.0475 |
| 84 | -0.0467692 |
| 85 | -0.0463 |
| 86 | -0.046 |
| 87 | -0.046 |
| 88 | -0.0437143 |
| 89 | -0.043 |
| 90 | -0.0423 |
| 91 | -0.0405 |
| 92 | -0.0405 |
| 93 | -0.04 |
| 94 | -0.04 |
| 95 | -0.04 |

| | |
|---|---|
| 96 | -0.04 |
| 97 | -0.0395 |
| 98 | -0.038 |
| 99 | -0.0377333 |
| 100 | -0.037 |
| 101 | -0.03625 |
| 102 | -0.036 |
| 103 | -0.0358889 |
| 104 | -0.0358333 |
| 105 | -0.0356 |
| 106 | -0.0352857 |
| 107 | -0.035 |
| 108 | -0.035 |
| 109 | -0.0347222 |
| 110 | -0.0340714 |
| 111 | -0.034 |
| 112 | -0.0338 |
| 113 | -0.0335556 |
| 114 | -0.0325 |
| 115 | -0.0325 |
| 116 | -0.03125 |
| 117 | -0.0305882 |
| 118 | -0.0295882 |
| 119 | -0.029 |
| 120 | -0.0287778 |
| 121 | -0.0286667 |
| 122 | -0.0282381 |
| 123 | -0.0278333 |
| 124 | -0.0275455 |
| 125 | -0.0273684 |
| 126 | -0.02725 |
| 127 | -0.0272 |
| 128 | -0.0271111 |
| 129 | -0.0266 |
| 130 | -0.0264286 |
| 131 | -0.0254615 |
| 132 | -0.02525 |
| 133 | -0.025 |
| 134 | -0.02485 |
| 135 | -0.0248182 |
| 136 | -0.0247143 |
| 137 | -0.0245833 |
| 138 | -0.02425 |
| 139 | -0.0236667 |
| 140 | -0.0233077 |
| 141 | -0.02325 |
| 142 | -0.023125 |
| 143 | -0.0226875 |
| 144 | -0.0225714 |
| 145 | -0.0225 |
| 146 | -0.0224 |
| 147 | -0.0220588 |
| 148 | -0.0218125 |
| 149 | -0.0216667 |
| 150 | -0.0214286 |
| 151 | -0.0214286 |
| 152 | -0.0214286 |

| | |
|---|---|
| 153 | -0.0211429 |
| 154 | -0.0206364 |
| 155 | -0.0206 |
| 156 | -0.02025 |
| 157 | -0.02 |
| 158 | -0.02 |
| 159 | -0.02 |
| 160 | -0.0198889 |
| 161 | -0.0196667 |
| 162 | -0.01965 |
| 163 | -0.019375 |
| 164 | -0.0193333 |
| 165 | -0.0189375 |
| 166 | -0.0186087 |
| 167 | -0.0185714 |
| 168 | -0.0184615 |
| 169 | -0.018 |
| 170 | -0.018 |
| 171 | -0.0170909 |
| 172 | -0.0170345 |
| 173 | -0.017 |
| 174 | -0.0166667 |
| 175 | -0.0162857 |
| 176 | -0.0161333 |
| 177 | -0.0161304 |
| 178 | -0.016 |
| 179 | -0.016 |
| 180 | -0.016 |
| 181 | -0.0158182 |
| 182 | -0.0157143 |
| 183 | -0.015625 |
| 184 | -0.0155556 |
| 185 | -0.015 |
| 186 | -0.015 |
| 187 | -0.0146923 |
| 188 | -0.0145 |
| 189 | -0.0142941 |
| 190 | -0.0142222 |
| 191 | -0.0138889 |
| 192 | -0.0137 |
| 193 | -0.0136429 |
| 194 | -0.0136364 |
| 195 | -0.0135333 |
| 196 | -0.0135 |
| 197 | -0.013 |
| 198 | -0.013 |
| 199 | -0.0129615 |
| 200 | -0.0128571 |
| 201 | -0.0127273 |
| 202 | -0.0125455 |
| 203 | -0.0125 |
| 204 | -0.0123077 |
| 205 | -0.0121818 |
| 206 | -0.0117692 |
| 207 | -0.0117368 |
| 208 | -0.0114286 |
| 209 | -0.0114118 |

| | |
|---|---|
| 210 | -0.0113333 |
| 211 | -0.0112667 |
| 212 | -0.0112308 |
| 213 | -0.0110588 |
| 214 | -0.011 |
| 215 | -0.011 |
| 216 | -0.0108667 |
| 217 | -0.0107895 |
| 218 | -0.0107692 |
| 219 | -0.0105 |
| 220 | -0.0103636 |
| 221 | -0.0100769 |
| 222 | -0.01 |
| 223 | -0.01 |
| 224 | -0.01 |
| 225 | -0.00986667 |
| 226 | -0.00971429 |
| 227 | -0.00941176 |
| 228 | -0.00933333 |
| 229 | -0.00928571 |
| 230 | -0.00925 |
| 231 | -0.0092 |
| 232 | -0.009125 |
| 233 | -0.009125 |
| 234 | -0.00911111 |
| 235 | -0.00886667 |
| 236 | -0.00882353 |
| 237 | -0.00854545 |
| 238 | -0.0085 |
| 239 | -0.00847826 |
| 240 | -0.00844828 |
| 241 | -0.00833333 |
| 242 | -0.00816667 |
| 243 | -0.00813043 |
| 244 | -0.00789474 |
| 245 | -0.00741176 |
| 246 | -0.0073913 |
| 247 | -0.00727586 |
| 248 | -0.00726316 |
| 249 | -0.00725 |
| 250 | -0.00715385 |
| 251 | -0.0070625 |
| 252 | -0.007 |
| 253 | -0.00692 |
| 254 | -0.0068 |
| 255 | -0.0068 |
| 256 | -0.00674074 |
| 257 | -0.00666667 |
| 258 | -0.00647368 |
| 259 | -0.00619048 |
| 260 | -0.00611111 |
| 261 | -0.006 |
| 262 | -0.00576 |
| 263 | -0.00571429 |
| 264 | -0.00565217 |
| 265 | -0.00555556 |
| 266 | -0.0055 |

| | |
|---|---|
| 267 | -0.0053125 |
| 268 | -0.00517241 |
| 269 | -0.00475 |
| 270 | -0.00461538 |
| 271 | -0.0046 |
| 272 | -0.00431818 |
| 273 | -0.00427778 |
| 274 | -0.00423077 |
| 275 | -0.00421053 |
| 276 | -0.00410526 |
| 277 | -0.0040625 |
| 278 | -0.004 |
| 279 | -0.00395238 |
| 280 | -0.00392857 |
| 281 | -0.00390909 |
| 282 | -0.00383333 |
| 283 | -0.0038 |
| 284 | -0.00377419 |
| 285 | -0.00375 |
| 286 | -0.00366667 |
| 287 | -0.00342857 |
| 288 | -0.0034 |
| 289 | -0.00333333 |
| 290 | -0.00333333 |
| 291 | -0.00322222 |
| 292 | -0.003 |
| 293 | -0.003 |
| 294 | -0.00279412 |
| 295 | -0.00272727 |
| 296 | -0.00268 |
| 297 | -0.00267857 |
| 298 | -0.00259091 |
| 299 | -0.00257143 |
| 300 | -0.0025 |
| 301 | -0.00234615 |
| 302 | -0.00224242 |
| 303 | -0.0022 |
| 304 | -0.00214286 |
| 305 | -0.00207407 |
| 306 | -0.002 |
| 307 | -0.002 |
| 308 | -0.00191667 |
| 309 | -0.00189474 |
| 310 | -0.00172727 |
| 311 | -0.00166667 |
| 312 | -0.00166667 |
| 313 | -0.00165385 |
| 314 | -0.00158333 |
| 315 | -0.00157895 |
| 316 | -0.00147826 |
| 317 | -0.00142857 |
| 318 | -0.00142857 |
| 319 | -0.00133333 |
| 320 | -0.00133333 |
| 321 | -0.00127778 |
| 322 | -0.00116129 |
| 323 | -0.001125 |

| | |
|---|---|
| 324 | -0.00111111 |
| 325 | -0.00108333 |
| 326 | -0.00108333 |
| 327 | -0.000888889 |
| 328 | -0.000833333 |
| 329 | -0.000766667 |
| 330 | -0.00064 |
| 331 | -0.000583333 |
| 332 | -0.000555556 |
| 333 | -0.0005 |
| 334 | -0.000454545 |
| 335 | -0.000296296 |
| 336 | -0.000125 |
| 337 | 0 |
| 338 | 0 |
| 339 | 0 |
| 340 | 0 |
| 341 | 9.52381e-05 |
| 342 | 0.000133333 |
| 343 | 0.000222222 |
| 344 | 0.000264706 |
| 345 | 0.0004 |
| 346 | 0.00040625 |
| 347 | 0.000428571 |
| 348 | 0.000586207 |
| 349 | 0.00075 |
| 350 | 0.000833333 |
| 351 | 0.000916667 |
| 352 | 0.000961538 |
| 353 | 0.0011875 |
| 354 | 0.0012 |
| 355 | 0.001375 |
| 356 | 0.00164706 |
| 357 | 0.00166667 |
| 358 | 0.00176471 |
| 359 | 0.00176667 |
| 360 | 0.001875 |
| 361 | 0.00188235 |
| 362 | 0.002 |
| 363 | 0.002 |
| 364 | 0.002 |
| 365 | 0.00204167 |
| 366 | 0.00208571 |
| 367 | 0.00210714 |
| 368 | 0.00213636 |
| 369 | 0.0023125 |
| 370 | 0.00238889 |
| 371 | 0.00242857 |
| 372 | 0.0025 |
| 373 | 0.00257143 |
| 374 | 0.00257692 |
| 375 | 0.00276 |
| 376 | 0.00280645 |
| 377 | 0.00285 |
| 378 | 0.00288889 |
| 379 | 0.00292308 |
| 380 | 0.00296296 |

| | |
|---|---|
| 381 | 0.003 |
| 382 | 0.00313043 |
| 383 | 0.00313514 |
| 384 | 0.0032 |
| 385 | 0.0032 |
| 386 | 0.00333333 |
| 387 | 0.00338462 |
| 388 | 0.00344444 |
| 389 | 0.00346154 |
| 390 | 0.00354545 |
| 391 | 0.00363636 |
| 392 | 0.00365217 |
| 393 | 0.00366667 |
| 394 | 0.00375 |
| 395 | 0.00386486 |
| 396 | 0.00397143 |
| 397 | 0.004 |
| 398 | 0.00407692 |
| 399 | 0.00411111 |
| 400 | 0.00421875 |
| 401 | 0.00426087 |
| 402 | 0.00428 |
| 403 | 0.0043 |
| 404 | 0.00433333 |
| 405 | 0.00435 |
| 406 | 0.00435714 |
| 407 | 0.00440909 |
| 408 | 0.0044375 |
| 409 | 0.00453333 |
| 410 | 0.00467742 |
| 411 | 0.00470588 |
| 412 | 0.00476923 |
| 413 | 0.00478571 |
| 414 | 0.005 |
| 415 | 0.00507143 |
| 416 | 0.00508108 |
| 417 | 0.00508696 |
| 418 | 0.00509091 |
| 419 | 0.00523684 |
| 420 | 0.00526316 |
| 421 | 0.005375 |
| 422 | 0.00542424 |
| 423 | 0.00546429 |
| 424 | 0.005625 |
| 425 | 0.00585714 |
| 426 | 0.00587097 |
| 427 | 0.00588889 |
| 428 | 0.00596552 |
| 429 | 0.00623077 |
| 430 | 0.00625 |
| 431 | 0.00633333 |
| 432 | 0.00642857 |
| 433 | 0.00653333 |
| 434 | 0.00655556 |
| 435 | 0.00668966 |
| 436 | 0.00670968 |
| 437 | 0.006725 |

| | |
|---|---|
| 438 | 0.0068 |
| 439 | 0.00685714 |
| 440 | 0.00696774 |
| 441 | 0.007 |
| 442 | 0.00707692 |
| 443 | 0.0071 |
| 444 | 0.007125 |
| 445 | 0.00728571 |
| 446 | 0.00733333 |
| 447 | 0.00739286 |
| 448 | 0.00752 |
| 449 | 0.00763636 |
| 450 | 0.00764286 |
| 451 | 0.00773529 |
| 452 | 0.00784211 |
| 453 | 0.00785714 |
| 454 | 0.00803704 |
| 455 | 0.00804762 |
| 456 | 0.00818182 |
| 457 | 0.00827273 |
| 458 | 0.00828 |
| 459 | 0.00846154 |
| 460 | 0.0085 |
| 461 | 0.00875 |
| 462 | 0.00890476 |
| 463 | 0.009 |
| 464 | 0.00902857 |
| 465 | 0.00909091 |
| 466 | 0.0092 |
| 467 | 0.00933333 |
| 468 | 0.00934375 |
| 469 | 0.00936842 |
| 470 | 0.00944444 |
| 471 | 0.0095 |
| 472 | 0.0096 |
| 473 | 0.009625 |
| 474 | 0.0097 |
| 475 | 0.00973913 |
| 476 | 0.00981818 |
| 477 | 0.01 |
| 478 | 0.01 |
| 479 | 0.0102917 |
| 480 | 0.0103333 |
| 481 | 0.0103889 |
| 482 | 0.0104211 |
| 483 | 0.0104545 |
| 484 | 0.0105135 |
| 485 | 0.0106207 |
| 486 | 0.0106316 |
| 487 | 0.0106364 |
| 488 | 0.0107143 |
| 489 | 0.0107368 |
| 490 | 0.0107647 |
| 491 | 0.0108333 |
| 492 | 0.0108571 |
| 493 | 0.0108947 |
| 494 | 0.0109167 |

| | |
|---|---|
| 495 | 0.0109333 |
| 496 | 0.011 |
| 497 | 0.011 |
| 498 | 0.011 |
| 499 | 0.0110833 |
| 500 | 0.0110909 |
| 501 | 0.0112381 |
| 502 | 0.01128 |
| 503 | 0.0114286 |
| 504 | 0.0115455 |
| 505 | 0.0115882 |
| 506 | 0.0118182 |
| 507 | 0.0118947 |
| 508 | 0.0119429 |
| 509 | 0.0119474 |
| 510 | 0.012 |
| 511 | 0.0121923 |
| 512 | 0.0122609 |
| 513 | 0.012375 |
| 514 | 0.012375 |
| 515 | 0.0124 |
| 516 | 0.0125 |
| 517 | 0.0125882 |
| 518 | 0.0127059 |
| 519 | 0.0128571 |
| 520 | 0.0128571 |
| 521 | 0.0131724 |
| 522 | 0.0133333 |
| 523 | 0.0133478 |
| 524 | 0.0136 |
| 525 | 0.0136667 |
| 526 | 0.01375 |
| 527 | 0.01375 |
| 528 | 0.01375 |
| 529 | 0.0138 |
| 530 | 0.0138 |
| 531 | 0.0138182 |
| 532 | 0.013871 |
| 533 | 0.0139167 |
| 534 | 0.014 |
| 535 | 0.0141333 |
| 536 | 0.01425 |
| 537 | 0.0143529 |
| 538 | 0.0144118 |
| 539 | 0.0144444 |
| 540 | 0.0145833 |
| 541 | 0.0148889 |
| 542 | 0.015 |
| 543 | 0.0150667 |
| 544 | 0.0152857 |
| 545 | 0.0153333 |
| 546 | 0.0154 |
| 547 | 0.0154286 |
| 548 | 0.01545 |
| 549 | 0.0154667 |
| 550 | 0.0155556 |
| 551 | 0.0157273 |

| | |
|---|---|
| 552 | 0.0159231 |
| 553 | 0.016 |
| 554 | 0.016 |
| 555 | 0.0162069 |
| 556 | 0.0164706 |
| 557 | 0.0169231 |
| 558 | 0.017 |
| 559 | 0.0170667 |
| 560 | 0.0171429 |
| 561 | 0.0171667 |
| 562 | 0.0174815 |
| 563 | 0.0175 |
| 564 | 0.01752 |
| 565 | 0.0175385 |
| 566 | 0.018 |
| 567 | 0.018 |
| 568 | 0.0183333 |
| 569 | 0.0186897 |
| 570 | 0.0187778 |
| 571 | 0.0188333 |
| 572 | 0.019 |
| 573 | 0.0191 |
| 574 | 0.0192353 |
| 575 | 0.0192778 |
| 576 | 0.0193333 |
| 577 | 0.0195294 |
| 578 | 0.0195652 |
| 579 | 0.02 |
| 580 | 0.02 |
| 581 | 0.02 |
| 582 | 0.02 |
| 583 | 0.02 |
| 584 | 0.0202222 |
| 585 | 0.0203182 |
| 586 | 0.0203333 |
| 587 | 0.0203636 |
| 588 | 0.0205455 |
| 589 | 0.0205455 |
| 590 | 0.0206061 |
| 591 | 0.0208571 |
| 592 | 0.021 |
| 593 | 0.0210714 |
| 594 | 0.0211111 |
| 595 | 0.0215 |
| 596 | 0.0215625 |
| 597 | 0.021619 |
| 598 | 0.0216667 |
| 599 | 0.0216667 |
| 600 | 0.0222105 |
| 601 | 0.0222222 |
| 602 | 0.0224615 |
| 603 | 0.022625 |
| 604 | 0.02275 |
| 605 | 0.0229333 |
| 606 | 0.023 |
| 607 | 0.0231429 |
| 608 | 0.0232 |

| | |
|---|---|
| 609 | 0.0234286 |
| 610 | 0.0235714 |
| 611 | 0.0238 |
| 612 | 0.024 |
| 613 | 0.024 |
| 614 | 0.0242222 |
| 615 | 0.0243 |
| 616 | 0.024375 |
| 617 | 0.0244286 |
| 618 | 0.0245263 |
| 619 | 0.0247692 |
| 620 | 0.025 |
| 621 | 0.0251111 |
| 622 | 0.0253636 |
| 623 | 0.0254615 |
| 624 | 0.02575 |
| 625 | 0.026 |
| 626 | 0.026 |
| 627 | 0.0261429 |
| 628 | 0.0261538 |
| 629 | 0.0262222 |
| 630 | 0.02625 |
| 631 | 0.0264444 |
| 632 | 0.0266667 |
| 633 | 0.0266667 |
| 634 | 0.0266667 |
| 635 | 0.0268571 |
| 636 | 0.02688 |
| 637 | 0.027 |
| 638 | 0.0270476 |
| 639 | 0.0270588 |
| 640 | 0.0272381 |
| 641 | 0.0272727 |
| 642 | 0.0273333 |
| 643 | 0.0273846 |
| 644 | 0.0275294 |
| 645 | 0.0276 |
| 646 | 0.028 |
| 647 | 0.028 |
| 648 | 0.028 |
| 649 | 0.0285 |
| 650 | 0.0287143 |
| 651 | 0.0291667 |
| 652 | 0.03 |
| 653 | 0.03 |
| 654 | 0.03 |
| 655 | 0.03 |
| 656 | 0.0301429 |
| 657 | 0.0306667 |
| 658 | 0.0309 |
| 659 | 0.031 |
| 660 | 0.031 |
| 661 | 0.03125 |
| 662 | 0.0313333 |
| 663 | 0.0328571 |
| 664 | 0.0328571 |
| 665 | 0.033125 |

| | |
|---|---|
| 666 | 0.0338 |
| 667 | 0.034 |
| 668 | 0.034 |
| 669 | 0.034 |
| 670 | 0.0342857 |
| 671 | 0.0345455 |
| 672 | 0.035 |
| 673 | 0.035 |
| 674 | 0.0365882 |
| 675 | 0.0366667 |
| 676 | 0.0366667 |
| 677 | 0.037 |
| 678 | 0.0371429 |
| 679 | 0.0373333 |
| 680 | 0.0373333 |
| 681 | 0.0375 |
| 682 | 0.0375385 |
| 683 | 0.0376471 |
| 684 | 0.038 |
| 685 | 0.0401538 |
| 686 | 0.0409091 |
| 687 | 0.0416 |
| 688 | 0.0418333 |
| 689 | 0.042 |
| 690 | 0.042 |
| 691 | 0.04225 |
| 692 | 0.0423333 |
| 693 | 0.0425 |
| 694 | 0.0425 |
| 695 | 0.0425556 |
| 696 | 0.04275 |
| 697 | 0.0433333 |
| 698 | 0.0436364 |
| 699 | 0.044 |
| 700 | 0.0442 |
| 701 | 0.0444444 |
| 702 | 0.045 |
| 703 | 0.0455556 |
| 704 | 0.046 |
| 705 | 0.0468 |
| 706 | 0.0475 |
| 707 | 0.04775 |
| 708 | 0.0486667 |
| 709 | 0.0508 |
| 710 | 0.0525 |
| 711 | 0.0542857 |
| 712 | 0.0544 |
| 713 | 0.055 |
| 714 | 0.056 |
| 715 | 0.0563333 |
| 716 | 0.057 |
| 717 | 0.0583333 |
| 718 | 0.0584 |
| 719 | 0.0592308 |
| 720 | 0.0595 |
| 721 | 0.06 |
| 722 | 0.06 |

| | |
|---|---|
| 723 | 0.06 |
| 724 | 0.0633333 |
| 725 | 0.0633333 |
| 726 | 0.064 |
| 727 | 0.0646667 |
| 728 | 0.068 |
| 729 | 0.068 |
| 730 | 0.0733333 |
| 731 | 0.0733333 |
| 732 | 0.0744444 |
| 733 | 0.075 |
| 734 | 0.075 |
| 735 | 0.075 |
| 736 | 0.07625 |
| 737 | 0.0783333 |
| 738 | 0.08125 |
| 739 | 0.0816667 |
| 740 | 0.082 |
| 741 | 0.0825 |
| 742 | 0.083 |
| 743 | 0.085 |
| 744 | 0.086 |
| 745 | 0.0871429 |
| 746 | 0.0921212 |
| 747 | 0.0926471 |
| 748 | 0.0935 |
| 749 | 0.0943333 |
| 750 | 0.0946 |
| 751 | 0.0956 |
| 752 | 0.09625 |
| 753 | 0.0973333 |
| 754 | 0.0975 |
| 755 | 0.1 |
| 756 | 0.102667 |
| 757 | 0.102917 |
| 758 | 0.103214 |
| 759 | 0.103333 |
| 760 | 0.104 |
| 761 | 0.104138 |
| 762 | 0.105 |
| 763 | 0.105484 |
| 764 | 0.109333 |
| 765 | 0.11 |
| 766 | 0.11 |
| 767 | 0.113333 |
| 768 | 0.114286 |
| 769 | 0.116087 |
| 770 | 0.1215 |
| 771 | 0.122308 |
| 772 | 0.125 |
| 773 | 0.1264 |
| 774 | 0.126667 |
| 775 | 0.127 |
| 776 | 0.13 |
| 777 | 0.1325 |
| 778 | 0.133636 |
| 779 | 0.135 |

| | |
|---|---|
| 780 | 0.141 |
| 781 | 0.144762 |
| 782 | 0.147647 |
| 783 | 0.155 |
| 784 | 0.155263 |
| 785 | 0.162778 |
| 786 | 0.17 |
| 787 | 0.1725 |
| 788 | 0.178 |
| 789 | 0.1825 |
| 790 | 0.183 |
| 791 | 0.193 |
| 792 | 0.195 |
| 793 | 0.196 |
| 794 | 0.196667 |
| 795 | 0.203333 |
| 796 | 0.204462 |
| 797 | 0.22 |
| 798 | 0.22 |
| 799 | 0.227857 |
| 800 | 0.233667 |
| 801 | 0.245 |
| 802 | 0.26 |
| 803 | 0.262 |
| 804 | 0.279818 |
| 805 | 0.2816 |
| 806 | 0.301333 |
| 807 | 0.354125 |
| 808 | 0.355 |
| 809 | 0.42 |
| 810 | 0.424714 |
| 811 | 0.5216 |
| 812 | 0.531667 |
| 813 | 0.532 |
| 814 | 0.545 |
| 815 | 0.582 |
| 816 | 0.69 |
| 817 | 0.7975 |
| 818 | 1.021 |
| 819 | 1.538 |
| 820 | 2.898 |

Sen's Estimator (Median Q) is 0.00469165

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.4 | 2 |
| 2 | 0.25 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |

| | |
|---|---|
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |

There are 0 time periods with multiple data

---

A = 84
B = 0
C = 6
D = 0
E = 8
F = 0
a = 142680
b = 575640
c = 3280
Group Variance = 7922
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 146.401
M1 = (820 - 146.401)/2.0 = 336.799
M2 = (820 + 146.401)/2.0 + 1 = 484.201
Lower limit is 0 = Q(337)
Upper limit is 0.0105135 = Q(484)
0 < 0 < 0.0105135 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: HB 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.6 (5/20/2013) | 0.83 (3/12/2013) | (0.6 - 0.83)/(2 - 1) | -0.23 |
| 0.6 (9/23/2013) | 0.83 (3/12/2013) | (0.6 - 0.83)/(3 - 1) | -0.115 |
| 0.62 (12/10/2013) | 0.83 (3/12/2013) | (0.62 - 0.83)/(4 - 1) | -0.07 |
| 0.37 (2/6/2014) | 0.83 (3/12/2013) | (0.37 - 0.83)/(5 - 1) | -0.115 |
| 0.37 (6/26/2014) | 0.83 (3/12/2013) | (0.37 - 0.83)/(6 - 1) | -0.092 |
| 0.48 (9/30/2014) | 0.83 (3/12/2013) | (0.48 - 0.83)/(7 - 1) | -0.0583333 |
| 0.44 (11/19/2014) | 0.83 (3/12/2013) | (0.44 - 0.83)/(8 - 1) | -0.0557143 |
| 0.46 (3/23/2015) | 0.83 (3/12/2013) | (0.46 - 0.83)/(9 - 1) | -0.04625 |
| 0.66 (4/22/2015) | 0.83 (3/12/2013) | (0.66 - 0.83)/(10 - 1) | -0.0188889 |
| 0.91 (9/30/2015) | 0.83 (3/12/2013) | (0.91 - 0.83)/(11 - 1) | 0.008 |
| ND<0.25 U (11/19/2015) | 0.83 (3/12/2013) | (0.25 - 0.83)/(12 - 1) | -0.0527273 |
| ND<0.25 U (3/15/2016) | 0.83 (3/12/2013) | (0.25 - 0.83)/(13 - 1) | -0.0483333 |
| 0.51 (6/29/2016) | 0.83 (3/12/2013) | (0.51 - 0.83)/(14 - 1) | -0.0246154 |
| 0.7 (8/9/2016) | 0.83 (3/12/2013) | (0.7 - 0.83)/(15 - 1) | -0.00928571 |
| 0.73 (12/7/2016) | 0.83 (3/12/2013) | (0.73 - 0.83)/(16 - 1) | -0.00666667 |
| 0.97 (3/2/2017) | 0.83 (3/12/2013) | (0.97 - 0.83)/(17 - 1) | 0.00875 |
| 0.81 (7/5/2017) | 0.83 (3/12/2013) | (0.81 - 0.83)/(18 - 1) | -0.00117647 |
| 0.76 (8/16/2017) | 0.83 (3/12/2013) | (0.76 - 0.83)/(19 - 1) | -0.00388889 |
| 0.32 (10/25/2017) | 0.83 (3/12/2013) | (0.32 - 0.83)/(20 - 1) | -0.0268421 |
| ND<0.25 U (3/28/2018) | 0.83 (3/12/2013) | (0.25 - 0.83)/(21 - 1) | -0.029 |
| 0.464 (6/29/2018) | 0.83 (3/12/2013) | (0.464 - 0.83)/(22 - 1) | -0.0174286 |
| 0.952 (8/2/2018) | 0.83 (3/12/2013) | (0.952 - 0.83)/(23 - 1) | 0.00554545 |
| 0.426 (12/10/2018) | 0.83 (3/12/2013) | (0.426 - 0.83)/(24 - 1) | -0.0175652 |
| ND<0.25 U (4/15/2019) | 0.83 (3/12/2013) | (0.25 - 0.83)/(25 - 1) | -0.0241667 |
| ND<0.25 U (6/12/2019) | 0.83 (3/12/2013) | (0.25 - 0.83)/(26 - 1) | -0.0232 |
| 0.634 (8/27/2019) | 0.83 (3/12/2013) | (0.634 - 0.83)/(27 - 1) | -0.00753846 |
| 0.517 (10/29/2019) | 0.83 (3/12/2013) | (0.517 - 0.83)/(28 - 1) | -0.0115926 |
| 0.452 (3/30/2020) | 0.83 (3/12/2013) | (0.452 - 0.83)/(29 - 1) | -0.0135 |
| 0.299 (6/16/2020) | 0.83 (3/12/2013) | (0.299 - 0.83)/(30 - 1) | -0.0183103 |
| 0.279 (9/21/2020) | 0.83 (3/12/2013) | (0.279 - 0.83)/(31 - 1) | -0.0183667 |
| 0.588 (12/17/2020) | 0.83 (3/12/2013) | (0.588 - 0.83)/(32 - 1) | -0.00780645 |
| 0.252 (3/18/2021) | 0.83 (3/12/2013) | (0.252 - 0.83)/(33 - 1) | -0.0180625 |
| ND<0.25 U (5/5/2021) | 0.83 (3/12/2013) | (0.25 - 0.83)/(34 - 1) | -0.0175758 |
| 0.689 (9/2/2021) | 0.83 (3/12/2013) | (0.689 - 0.83)/(35 - 1) | -0.00414706 |
| ND<0.25 U (11/23/2021) | 0.83 (3/12/2013) | (0.25 - 0.83)/(36 - 1) | -0.0165714 |
| 0.55 (1/11/2022) | 0.83 (3/12/2013) | (0.55 - 0.83)/(37 - 1) | -0.00777778 |
| 0.329 (4/7/2022) | 0.83 (3/12/2013) | (0.329 - 0.83)/(38 - 1) | -0.0135405 |
| 0.273 (8/2/2022) | 0.83 (3/12/2013) | (0.273 - 0.83)/(39 - 1) | -0.0146579 |
| 0.604 (11/16/2022) | 0.83 (3/12/2013) | (0.604 - 0.83)/(40 - 1) | -0.00579487 |
| 0.471 (2/14/2023) | 0.83 (3/12/2013) | (0.471 - 0.83)/(41 - 1) | -0.008975 |
| 0.502 (5/25/2023) | 0.83 (3/12/2013) | (0.502 - 0.83)/(42 - 1) | -0.008 |
| 0.578 (8/7/2023) | 0.83 (3/12/2013) | (0.578 - 0.83)/(43 - 1) | -0.006 |
| 0.383 (12/12/2023) | 0.83 (3/12/2013) | (0.383 - 0.83)/(44 - 1) | -0.0103953 |
| 0.305 (1/10/2024) | 0.83 (3/12/2013) | (0.305 - 0.83)/(45 - 1) | -0.0119318 |
| 0.357 (5/21/2024) | 0.83 (3/12/2013) | (0.357 - 0.83)/(46 - 1) | -0.0105111 |
| 0.637 (9/16/2024) | 0.83 (3/12/2013) | (0.637 - 0.83)/(47 - 1) | -0.00419565 |
| 0.352 (12/11/2024) | 0.83 (3/12/2013) | (0.352 - 0.83)/(48 - 1) | -0.0101702 |
| 0.373 (2/18/2025) | 0.83 (3/12/2013) | (0.373 - 0.83)/(49 - 1) | -0.00952083 |

| | | | |
|---|---|---|---|
| 0.6 (9/23/2013) | 0.6 (5/20/2013) | (0.6 - 0.6)/(3 - 2) | 0 |
| 0.62 (12/10/2013) | 0.6 (5/20/2013) | (0.62 - 0.6)/(4 - 2) | 0.01 |
| 0.37 (2/6/2014) | 0.6 (5/20/2013) | (0.37 - 0.6)/(5 - 2) | -0.0766667 |
| 0.37 (6/26/2014) | 0.6 (5/20/2013) | (0.37 - 0.6)/(6 - 2) | -0.0575 |
| 0.48 (9/30/2014) | 0.6 (5/20/2013) | (0.48 - 0.6)/(7 - 2) | -0.024 |
| 0.44 (11/19/2014) | 0.6 (5/20/2013) | (0.44 - 0.6)/(8 - 2) | -0.0266667 |
| 0.46 (3/23/2015) | 0.6 (5/20/2013) | (0.46 - 0.6)/(9 - 2) | -0.02 |
| 0.66 (4/22/2015) | 0.6 (5/20/2013) | (0.66 - 0.6)/(10 - 2) | 0.0075 |
| 0.91 (9/30/2015) | 0.6 (5/20/2013) | (0.91 - 0.6)/(11 - 2) | 0.0344444 |
| ND<0.25 U (11/19/2015) | 0.6 (5/20/2013) | (0.25 - 0.6)/(12 - 2) | -0.035 |
| ND<0.25 U (3/15/2016) | 0.6 (5/20/2013) | (0.25 - 0.6)/(13 - 2) | -0.0318182 |
| 0.51 (6/29/2016) | 0.6 (5/20/2013) | (0.51 - 0.6)/(14 - 2) | -0.0075 |
| 0.7 (8/9/2016) | 0.6 (5/20/2013) | (0.7 - 0.6)/(15 - 2) | 0.00769231 |
| 0.73 (12/7/2016) | 0.6 (5/20/2013) | (0.73 - 0.6)/(16 - 2) | 0.00928571 |
| 0.97 (3/2/2017) | 0.6 (5/20/2013) | (0.97 - 0.6)/(17 - 2) | 0.0246667 |
| 0.81 (7/5/2017) | 0.6 (5/20/2013) | (0.81 - 0.6)/(18 - 2) | 0.013125 |
| 0.76 (8/16/2017) | 0.6 (5/20/2013) | (0.76 - 0.6)/(19 - 2) | 0.00941176 |
| 0.32 (10/25/2017) | 0.6 (5/20/2013) | (0.32 - 0.6)/(20 - 2) | -0.0155556 |
| ND<0.25 U (3/28/2018) | 0.6 (5/20/2013) | (0.25 - 0.6)/(21 - 2) | -0.0184211 |
| 0.464 (6/29/2018) | 0.6 (5/20/2013) | (0.464 - 0.6)/(22 - 2) | -0.0068 |
| 0.952 (8/2/2018) | 0.6 (5/20/2013) | (0.952 - 0.6)/(23 - 2) | 0.0167619 |
| 0.426 (12/10/2018) | 0.6 (5/20/2013) | (0.426 - 0.6)/(24 - 2) | -0.00790909 |
| ND<0.25 U (4/15/2019) | 0.6 (5/20/2013) | (0.25 - 0.6)/(25 - 2) | -0.0152174 |
| ND<0.25 U (6/12/2019) | 0.6 (5/20/2013) | (0.25 - 0.6)/(26 - 2) | -0.0145833 |
| 0.634 (8/27/2019) | 0.6 (5/20/2013) | (0.634 - 0.6)/(27 - 2) | 0.00136 |
| 0.517 (10/29/2019) | 0.6 (5/20/2013) | (0.517 - 0.6)/(28 - 2) | -0.00319231 |
| 0.452 (3/30/2020) | 0.6 (5/20/2013) | (0.452 - 0.6)/(29 - 2) | -0.00548148 |
| 0.299 (6/16/2020) | 0.6 (5/20/2013) | (0.299 - 0.6)/(30 - 2) | -0.01075 |
| 0.279 (9/21/2020) | 0.6 (5/20/2013) | (0.279 - 0.6)/(31 - 2) | -0.011069 |
| 0.588 (12/17/2020) | 0.6 (5/20/2013) | (0.588 - 0.6)/(32 - 2) | -0.0004 |
| 0.252 (3/18/2021) | 0.6 (5/20/2013) | (0.252 - 0.6)/(33 - 2) | -0.0112258 |
| ND<0.25 U (5/5/2021) | 0.6 (5/20/2013) | (0.25 - 0.6)/(34 - 2) | -0.0109375 |
| 0.689 (9/2/2021) | 0.6 (5/20/2013) | (0.689 - 0.6)/(35 - 2) | 0.00269697 |
| ND<0.25 U (11/23/2021) | 0.6 (5/20/2013) | (0.25 - 0.6)/(36 - 2) | -0.0102941 |
| 0.55 (1/11/2022) | 0.6 (5/20/2013) | (0.55 - 0.6)/(37 - 2) | -0.00142857 |
| 0.329 (4/7/2022) | 0.6 (5/20/2013) | (0.329 - 0.6)/(38 - 2) | -0.00752778 |
| 0.273 (8/2/2022) | 0.6 (5/20/2013) | (0.273 - 0.6)/(39 - 2) | -0.00883784 |
| 0.604 (11/16/2022) | 0.6 (5/20/2013) | (0.604 - 0.6)/(40 - 2) | 0.000105263 |
| 0.471 (2/14/2023) | 0.6 (5/20/2013) | (0.471 - 0.6)/(41 - 2) | -0.00330769 |
| 0.502 (5/25/2023) | 0.6 (5/20/2013) | (0.502 - 0.6)/(42 - 2) | -0.00245 |
| 0.578 (8/7/2023) | 0.6 (5/20/2013) | (0.578 - 0.6)/(43 - 2) | -0.000536585 |
| 0.383 (12/12/2023) | 0.6 (5/20/2013) | (0.383 - 0.6)/(44 - 2) | -0.00516667 |
| 0.305 (1/10/2024) | 0.6 (5/20/2013) | (0.305 - 0.6)/(45 - 2) | -0.00686047 |
| 0.357 (5/21/2024) | 0.6 (5/20/2013) | (0.357 - 0.6)/(46 - 2) | -0.00552273 |
| 0.637 (9/16/2024) | 0.6 (5/20/2013) | (0.637 - 0.6)/(47 - 2) | 0.000822222 |
| 0.352 (12/11/2024) | 0.6 (5/20/2013) | (0.352 - 0.6)/(48 - 2) | -0.0053913 |
| 0.373 (2/18/2025) | 0.6 (5/20/2013) | (0.373 - 0.6)/(49 - 2) | -0.00482979 |
| | | | |
| 0.62 (12/10/2013) | 0.6 (9/23/2013) | (0.62 - 0.6)/(4 - 3) | 0.02 |
| 0.37 (2/6/2014) | 0.6 (9/23/2013) | (0.37 - 0.6)/(5 - 3) | -0.115 |
| 0.37 (6/26/2014) | 0.6 (9/23/2013) | (0.37 - 0.6)/(6 - 3) | -0.0766667 |
| 0.48 (9/30/2014) | 0.6 (9/23/2013) | (0.48 - 0.6)/(7 - 3) | -0.03 |
| 0.44 (11/19/2014) | 0.6 (9/23/2013) | (0.44 - 0.6)/(8 - 3) | -0.032 |
| 0.46 (3/23/2015) | 0.6 (9/23/2013) | (0.46 - 0.6)/(9 - 3) | -0.0233333 |
| 0.66 (4/22/2015) | 0.6 (9/23/2013) | (0.66 - 0.6)/(10 - 3) | 0.00857143 |
| 0.91 (9/30/2015) | 0.6 (9/23/2013) | (0.91 - 0.6)/(11 - 3) | 0.03875 |

| | | | |
|---|---|---|---|
| ND<0.25 U (11/19/2015) | 0.6 (9/23/2013) | (0.25 - 0.6)/(12 - 3) | -0.0388889 |
| ND<0.25 U (3/15/2016) | 0.6 (9/23/2013) | (0.25 - 0.6)/(13 - 3) | -0.035 |
| 0.51 (6/29/2016) | 0.6 (9/23/2013) | (0.51 - 0.6)/(14 - 3) | -0.00818182 |
| 0.7 (8/9/2016) | 0.6 (9/23/2013) | (0.7 - 0.6)/(15 - 3) | 0.00833333 |
| 0.73 (12/7/2016) | 0.6 (9/23/2013) | (0.73 - 0.6)/(16 - 3) | 0.01 |
| 0.97 (3/2/2017) | 0.6 (9/23/2013) | (0.97 - 0.6)/(17 - 3) | 0.0264286 |
| 0.81 (7/5/2017) | 0.6 (9/23/2013) | (0.81 - 0.6)/(18 - 3) | 0.014 |
| 0.76 (8/16/2017) | 0.6 (9/23/2013) | (0.76 - 0.6)/(19 - 3) | 0.01 |
| 0.32 (10/25/2017) | 0.6 (9/23/2013) | (0.32 - 0.6)/(20 - 3) | -0.0164706 |
| ND<0.25 U (3/28/2018) | 0.6 (9/23/2013) | (0.25 - 0.6)/(21 - 3) | -0.0194444 |
| 0.464 (6/29/2018) | 0.6 (9/23/2013) | (0.464 - 0.6)/(22 - 3) | -0.00715789 |
| 0.952 (8/2/2018) | 0.6 (9/23/2013) | (0.952 - 0.6)/(23 - 3) | 0.0176 |
| 0.426 (12/10/2018) | 0.6 (9/23/2013) | (0.426 - 0.6)/(24 - 3) | -0.00828571 |
| ND<0.25 U (4/15/2019) | 0.6 (9/23/2013) | (0.25 - 0.6)/(25 - 3) | -0.0159091 |
| ND<0.25 U (6/12/2019) | 0.6 (9/23/2013) | (0.25 - 0.6)/(26 - 3) | -0.0152174 |
| 0.634 (8/27/2019) | 0.6 (9/23/2013) | (0.634 - 0.6)/(27 - 3) | 0.00141667 |
| 0.517 (10/29/2019) | 0.6 (9/23/2013) | (0.517 - 0.6)/(28 - 3) | -0.00332 |
| 0.452 (3/30/2020) | 0.6 (9/23/2013) | (0.452 - 0.6)/(29 - 3) | -0.00569231 |
| 0.299 (6/16/2020) | 0.6 (9/23/2013) | (0.299 - 0.6)/(30 - 3) | -0.0111481 |
| 0.279 (9/21/2020) | 0.6 (9/23/2013) | (0.279 - 0.6)/(31 - 3) | -0.0114643 |
| 0.588 (12/17/2020) | 0.6 (9/23/2013) | (0.588 - 0.6)/(32 - 3) | -0.000413793 |
| 0.252 (3/18/2021) | 0.6 (9/23/2013) | (0.252 - 0.6)/(33 - 3) | -0.0116 |
| ND<0.25 U (5/5/2021) | 0.6 (9/23/2013) | (0.25 - 0.6)/(34 - 3) | -0.0112903 |
| 0.689 (9/2/2021) | 0.6 (9/23/2013) | (0.689 - 0.6)/(35 - 3) | 0.00278125 |
| ND<0.25 U (11/23/2021) | 0.6 (9/23/2013) | (0.25 - 0.6)/(36 - 3) | -0.0106061 |
| 0.55 (1/11/2022) | 0.6 (9/23/2013) | (0.55 - 0.6)/(37 - 3) | -0.00147059 |
| 0.329 (4/7/2022) | 0.6 (9/23/2013) | (0.329 - 0.6)/(38 - 3) | -0.00774286 |
| 0.273 (8/2/2022) | 0.6 (9/23/2013) | (0.273 - 0.6)/(39 - 3) | -0.00908333 |
| 0.604 (11/16/2022) | 0.6 (9/23/2013) | (0.604 - 0.6)/(40 - 3) | 0.000108108 |
| 0.471 (2/14/2023) | 0.6 (9/23/2013) | (0.471 - 0.6)/(41 - 3) | -0.00339474 |
| 0.502 (5/25/2023) | 0.6 (9/23/2013) | (0.502 - 0.6)/(42 - 3) | -0.00251282 |
| 0.578 (8/7/2023) | 0.6 (9/23/2013) | (0.578 - 0.6)/(43 - 3) | -0.00055 |
| 0.383 (12/12/2023) | 0.6 (9/23/2013) | (0.383 - 0.6)/(44 - 3) | -0.00529268 |
| 0.305 (1/10/2024) | 0.6 (9/23/2013) | (0.305 - 0.6)/(45 - 3) | -0.00702381 |
| 0.357 (5/21/2024) | 0.6 (9/23/2013) | (0.357 - 0.6)/(46 - 3) | -0.00565116 |
| 0.637 (9/16/2024) | 0.6 (9/23/2013) | (0.637 - 0.6)/(47 - 3) | 0.000840909 |
| 0.352 (12/11/2024) | 0.6 (9/23/2013) | (0.352 - 0.6)/(48 - 3) | -0.00551111 |
| 0.373 (2/18/2025) | 0.6 (9/23/2013) | (0.373 - 0.6)/(49 - 3) | -0.00493478 |
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| 0.37 (2/6/2014) | 0.62 (12/10/2013) | (0.37 - 0.62)/(5 - 4) | -0.25 |
| 0.37 (6/26/2014) | 0.62 (12/10/2013) | (0.37 - 0.62)/(6 - 4) | -0.125 |
| 0.48 (9/30/2014) | 0.62 (12/10/2013) | (0.48 - 0.62)/(7 - 4) | -0.0466667 |
| 0.44 (11/19/2014) | 0.62 (12/10/2013) | (0.44 - 0.62)/(8 - 4) | -0.045 |
| 0.46 (3/23/2015) | 0.62 (12/10/2013) | (0.46 - 0.62)/(9 - 4) | -0.032 |
| 0.66 (4/22/2015) | 0.62 (12/10/2013) | (0.66 - 0.62)/(10 - 4) | 0.00666667 |
| 0.91 (9/30/2015) | 0.62 (12/10/2013) | (0.91 - 0.62)/(11 - 4) | 0.0414286 |
| ND<0.25 U (11/19/2015) | 0.62 (12/10/2013) | (0.25 - 0.62)/(12 - 4) | -0.04625 |
| ND<0.25 U (3/15/2016) | 0.62 (12/10/2013) | (0.25 - 0.62)/(13 - 4) | -0.0411111 |
| 0.51 (6/29/2016) | 0.62 (12/10/2013) | (0.51 - 0.62)/(14 - 4) | -0.011 |
| 0.7 (8/9/2016) | 0.62 (12/10/2013) | (0.7 - 0.62)/(15 - 4) | 0.00727273 |
| 0.73 (12/7/2016) | 0.62 (12/10/2013) | (0.73 - 0.62)/(16 - 4) | 0.00916667 |
| 0.97 (3/2/2017) | 0.62 (12/10/2013) | (0.97 - 0.62)/(17 - 4) | 0.0269231 |
| 0.81 (7/5/2017) | 0.62 (12/10/2013) | (0.81 - 0.62)/(18 - 4) | 0.0135714 |
| 0.76 (8/16/2017) | 0.62 (12/10/2013) | (0.76 - 0.62)/(19 - 4) | 0.00933333 |
| 0.32 (10/25/2017) | 0.62 (12/10/2013) | (0.32 - 0.62)/(20 - 4) | -0.01875 |
| ND<0.25 U (3/28/2018) | 0.62 (12/10/2013) | (0.25 - 0.62)/(21 - 4) | -0.0217647 |
| 0.464 (6/29/2018) | 0.62 (12/10/2013) | (0.464 - 0.62)/(22 - 4) | -0.00866667 |

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|---|---|---|---|
| 0.952 (8/2/2018) | 0.62 (12/10/2013) | (0.952 - 0.62)/(23 - 4) | 0.0174737 |
| 0.426 (12/10/2018) | 0.62 (12/10/2013) | (0.426 - 0.62)/(24 - 4) | -0.0097 |
| ND<0.25 U (4/15/2019) | 0.62 (12/10/2013) | (0.25 - 0.62)/(25 - 4) | -0.017619 |
| ND<0.25 U (6/12/2019) | 0.62 (12/10/2013) | (0.25 - 0.62)/(26 - 4) | -0.0168182 |
| 0.634 (8/27/2019) | 0.62 (12/10/2013) | (0.634 - 0.62)/(27 - 4) | 0.000608696 |
| 0.517 (10/29/2019) | 0.62 (12/10/2013) | (0.517 - 0.62)/(28 - 4) | -0.00429167 |
| 0.452 (3/30/2020) | 0.62 (12/10/2013) | (0.452 - 0.62)/(29 - 4) | -0.00672 |
| 0.299 (6/16/2020) | 0.62 (12/10/2013) | (0.299 - 0.62)/(30 - 4) | -0.0123462 |
| 0.279 (9/21/2020) | 0.62 (12/10/2013) | (0.279 - 0.62)/(31 - 4) | -0.0126296 |
| 0.588 (12/17/2020) | 0.62 (12/10/2013) | (0.588 - 0.62)/(32 - 4) | -0.00114286 |
| 0.252 (3/18/2021) | 0.62 (12/10/2013) | (0.252 - 0.62)/(33 - 4) | -0.0126897 |
| ND<0.25 U (5/5/2021) | 0.62 (12/10/2013) | (0.25 - 0.62)/(34 - 4) | -0.0123333 |
| 0.689 (9/2/2021) | 0.62 (12/10/2013) | (0.689 - 0.62)/(35 - 4) | 0.00222581 |
| ND<0.25 U (11/23/2021) | 0.62 (12/10/2013) | (0.25 - 0.62)/(36 - 4) | -0.0115625 |
| 0.55 (1/11/2022) | 0.62 (12/10/2013) | (0.55 - 0.62)/(37 - 4) | -0.00212121 |
| 0.329 (4/7/2022) | 0.62 (12/10/2013) | (0.329 - 0.62)/(38 - 4) | -0.00855882 |
| 0.273 (8/2/2022) | 0.62 (12/10/2013) | (0.273 - 0.62)/(39 - 4) | -0.00991429 |
| 0.604 (11/16/2022) | 0.62 (12/10/2013) | (0.604 - 0.62)/(40 - 4) | -0.000444444 |
| 0.471 (2/14/2023) | 0.62 (12/10/2013) | (0.471 - 0.62)/(41 - 4) | -0.00402703 |
| 0.502 (5/25/2023) | 0.62 (12/10/2013) | (0.502 - 0.62)/(42 - 4) | -0.00310526 |
| 0.578 (8/7/2023) | 0.62 (12/10/2013) | (0.578 - 0.62)/(43 - 4) | -0.00107692 |
| 0.383 (12/12/2023) | 0.62 (12/10/2013) | (0.383 - 0.62)/(44 - 4) | -0.005925 |
| 0.305 (1/10/2024) | 0.62 (12/10/2013) | (0.305 - 0.62)/(45 - 4) | -0.00768293 |
| 0.357 (5/21/2024) | 0.62 (12/10/2013) | (0.357 - 0.62)/(46 - 4) | -0.0062619 |
| 0.637 (9/16/2024) | 0.62 (12/10/2013) | (0.637 - 0.62)/(47 - 4) | 0.000395349 |
| 0.352 (12/11/2024) | 0.62 (12/10/2013) | (0.352 - 0.62)/(48 - 4) | -0.00609091 |
| 0.373 (2/18/2025) | 0.62 (12/10/2013) | (0.373 - 0.62)/(49 - 4) | -0.00548889 |

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|---|---|---|---|
| 0.37 (6/26/2014) | 0.37 (2/6/2014) | (0.37 - 0.37)/(6 - 5) | 0 |
| 0.48 (9/30/2014) | 0.37 (2/6/2014) | (0.48 - 0.37)/(7 - 5) | 0.055 |
| 0.44 (11/19/2014) | 0.37 (2/6/2014) | (0.44 - 0.37)/(8 - 5) | 0.0233333 |
| 0.46 (3/23/2015) | 0.37 (2/6/2014) | (0.46 - 0.37)/(9 - 5) | 0.0225 |
| 0.66 (4/22/2015) | 0.37 (2/6/2014) | (0.66 - 0.37)/(10 - 5) | 0.058 |
| 0.91 (9/30/2015) | 0.37 (2/6/2014) | (0.91 - 0.37)/(11 - 5) | 0.09 |
| ND<0.25 U (11/19/2015) | 0.37 (2/6/2014) | (0.25 - 0.37)/(12 - 5) | -0.0171429 |
| ND<0.25 U (3/15/2016) | 0.37 (2/6/2014) | (0.25 - 0.37)/(13 - 5) | -0.015 |
| 0.51 (6/29/2016) | 0.37 (2/6/2014) | (0.51 - 0.37)/(14 - 5) | 0.0155556 |
| 0.7 (8/9/2016) | 0.37 (2/6/2014) | (0.7 - 0.37)/(15 - 5) | 0.033 |
| 0.73 (12/7/2016) | 0.37 (2/6/2014) | (0.73 - 0.37)/(16 - 5) | 0.0327273 |
| 0.97 (3/2/2017) | 0.37 (2/6/2014) | (0.97 - 0.37)/(17 - 5) | 0.05 |
| 0.81 (7/5/2017) | 0.37 (2/6/2014) | (0.81 - 0.37)/(18 - 5) | 0.0338462 |
| 0.76 (8/16/2017) | 0.37 (2/6/2014) | (0.76 - 0.37)/(19 - 5) | 0.0278571 |
| 0.32 (10/25/2017) | 0.37 (2/6/2014) | (0.32 - 0.37)/(20 - 5) | -0.00333333 |
| ND<0.25 U (3/28/2018) | 0.37 (2/6/2014) | (0.25 - 0.37)/(21 - 5) | -0.0075 |
| 0.464 (6/29/2018) | 0.37 (2/6/2014) | (0.464 - 0.37)/(22 - 5) | 0.00552941 |
| 0.952 (8/2/2018) | 0.37 (2/6/2014) | (0.952 - 0.37)/(23 - 5) | 0.0323333 |
| 0.426 (12/10/2018) | 0.37 (2/6/2014) | (0.426 - 0.37)/(24 - 5) | 0.00294737 |
| ND<0.25 U (4/15/2019) | 0.37 (2/6/2014) | (0.25 - 0.37)/(25 - 5) | -0.006 |
| ND<0.25 U (6/12/2019) | 0.37 (2/6/2014) | (0.25 - 0.37)/(26 - 5) | -0.00571429 |
| 0.634 (8/27/2019) | 0.37 (2/6/2014) | (0.634 - 0.37)/(27 - 5) | 0.012 |
| 0.517 (10/29/2019) | 0.37 (2/6/2014) | (0.517 - 0.37)/(28 - 5) | 0.0063913 |
| 0.452 (3/30/2020) | 0.37 (2/6/2014) | (0.452 - 0.37)/(29 - 5) | 0.00341667 |
| 0.299 (6/16/2020) | 0.37 (2/6/2014) | (0.299 - 0.37)/(30 - 5) | -0.00284 |
| 0.279 (9/21/2020) | 0.37 (2/6/2014) | (0.279 - 0.37)/(31 - 5) | -0.0035 |
| 0.588 (12/17/2020) | 0.37 (2/6/2014) | (0.588 - 0.37)/(32 - 5) | 0.00807407 |
| 0.252 (3/18/2021) | 0.37 (2/6/2014) | (0.252 - 0.37)/(33 - 5) | -0.00421429 |
| ND<0.25 U (5/5/2021) | 0.37 (2/6/2014) | (0.25 - 0.37)/(34 - 5) | -0.00413793 |

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|---|---|---|---|
| 0.689 (9/2/2021) | 0.37 (2/6/2014) | (0.689 - 0.37)/(35 - 5) | 0.0106333 |
| ND<0.25 U (11/23/2021) | 0.37 (2/6/2014) | (0.25 - 0.37)/(36 - 5) | -0.00387097 |
| 0.55 (1/11/2022) | 0.37 (2/6/2014) | (0.55 - 0.37)/(37 - 5) | 0.005625 |
| 0.329 (4/7/2022) | 0.37 (2/6/2014) | (0.329 - 0.37)/(38 - 5) | -0.00124242 |
| 0.273 (8/2/2022) | 0.37 (2/6/2014) | (0.273 - 0.37)/(39 - 5) | -0.00285294 |
| 0.604 (11/16/2022) | 0.37 (2/6/2014) | (0.604 - 0.37)/(40 - 5) | 0.00668571 |
| 0.471 (2/14/2023) | 0.37 (2/6/2014) | (0.471 - 0.37)/(41 - 5) | 0.00280556 |
| 0.502 (5/25/2023) | 0.37 (2/6/2014) | (0.502 - 0.37)/(42 - 5) | 0.00356757 |
| 0.578 (8/7/2023) | 0.37 (2/6/2014) | (0.578 - 0.37)/(43 - 5) | 0.00547368 |
| 0.383 (12/12/2023) | 0.37 (2/6/2014) | (0.383 - 0.37)/(44 - 5) | 0.000333333 |
| 0.305 (1/10/2024) | 0.37 (2/6/2014) | (0.305 - 0.37)/(45 - 5) | -0.001625 |
| 0.357 (5/21/2024) | 0.37 (2/6/2014) | (0.357 - 0.37)/(46 - 5) | -0.000317073 |
| 0.637 (9/16/2024) | 0.37 (2/6/2014) | (0.637 - 0.37)/(47 - 5) | 0.00635714 |
| 0.352 (12/11/2024) | 0.37 (2/6/2014) | (0.352 - 0.37)/(48 - 5) | -0.000418605 |
| 0.373 (2/18/2025) | 0.37 (2/6/2014) | (0.373 - 0.37)/(49 - 5) | 6.81818e-05 |

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|---|---|---|---|
| 0.48 (9/30/2014) | 0.37 (6/26/2014) | (0.48 - 0.37)/(7 - 6) | 0.11 |
| 0.44 (11/19/2014) | 0.37 (6/26/2014) | (0.44 - 0.37)/(8 - 6) | 0.035 |
| 0.46 (3/23/2015) | 0.37 (6/26/2014) | (0.46 - 0.37)/(9 - 6) | 0.03 |
| 0.66 (4/22/2015) | 0.37 (6/26/2014) | (0.66 - 0.37)/(10 - 6) | 0.0725 |
| 0.91 (9/30/2015) | 0.37 (6/26/2014) | (0.91 - 0.37)/(11 - 6) | 0.108 |
| ND<0.25 U (11/19/2015) | 0.37 (6/26/2014) | (0.25 - 0.37)/(12 - 6) | -0.02 |
| ND<0.25 U (3/15/2016) | 0.37 (6/26/2014) | (0.25 - 0.37)/(13 - 6) | -0.0171429 |
| 0.51 (6/29/2016) | 0.37 (6/26/2014) | (0.51 - 0.37)/(14 - 6) | 0.0175 |
| 0.7 (8/9/2016) | 0.37 (6/26/2014) | (0.7 - 0.37)/(15 - 6) | 0.0366667 |
| 0.73 (12/7/2016) | 0.37 (6/26/2014) | (0.73 - 0.37)/(16 - 6) | 0.036 |
| 0.97 (3/2/2017) | 0.37 (6/26/2014) | (0.97 - 0.37)/(17 - 6) | 0.0545455 |
| 0.81 (7/5/2017) | 0.37 (6/26/2014) | (0.81 - 0.37)/(18 - 6) | 0.0366667 |
| 0.76 (8/16/2017) | 0.37 (6/26/2014) | (0.76 - 0.37)/(19 - 6) | 0.03 |
| 0.32 (10/25/2017) | 0.37 (6/26/2014) | (0.32 - 0.37)/(20 - 6) | -0.00357143 |
| ND<0.25 U (3/28/2018) | 0.37 (6/26/2014) | (0.25 - 0.37)/(21 - 6) | -0.008 |
| 0.464 (6/29/2018) | 0.37 (6/26/2014) | (0.464 - 0.37)/(22 - 6) | 0.005875 |
| 0.952 (8/2/2018) | 0.37 (6/26/2014) | (0.952 - 0.37)/(23 - 6) | 0.0342353 |
| 0.426 (12/10/2018) | 0.37 (6/26/2014) | (0.426 - 0.37)/(24 - 6) | 0.00311111 |
| ND<0.25 U (4/15/2019) | 0.37 (6/26/2014) | (0.25 - 0.37)/(25 - 6) | -0.00631579 |
| ND<0.25 U (6/12/2019) | 0.37 (6/26/2014) | (0.25 - 0.37)/(26 - 6) | -0.006 |
| 0.634 (8/27/2019) | 0.37 (6/26/2014) | (0.634 - 0.37)/(27 - 6) | 0.0125714 |
| 0.517 (10/29/2019) | 0.37 (6/26/2014) | (0.517 - 0.37)/(28 - 6) | 0.00668182 |
| 0.452 (3/30/2020) | 0.37 (6/26/2014) | (0.452 - 0.37)/(29 - 6) | 0.00356522 |
| 0.299 (6/16/2020) | 0.37 (6/26/2014) | (0.299 - 0.37)/(30 - 6) | -0.00295833 |
| 0.279 (9/21/2020) | 0.37 (6/26/2014) | (0.279 - 0.37)/(31 - 6) | -0.00364 |
| 0.588 (12/17/2020) | 0.37 (6/26/2014) | (0.588 - 0.37)/(32 - 6) | 0.00838462 |
| 0.252 (3/18/2021) | 0.37 (6/26/2014) | (0.252 - 0.37)/(33 - 6) | -0.00437037 |
| ND<0.25 U (5/5/2021) | 0.37 (6/26/2014) | (0.25 - 0.37)/(34 - 6) | -0.00428571 |
| 0.689 (9/2/2021) | 0.37 (6/26/2014) | (0.689 - 0.37)/(35 - 6) | 0.011 |
| ND<0.25 U (11/23/2021) | 0.37 (6/26/2014) | (0.25 - 0.37)/(36 - 6) | -0.004 |
| 0.55 (1/11/2022) | 0.37 (6/26/2014) | (0.55 - 0.37)/(37 - 6) | 0.00580645 |
| 0.329 (4/7/2022) | 0.37 (6/26/2014) | (0.329 - 0.37)/(38 - 6) | -0.00128125 |
| 0.273 (8/2/2022) | 0.37 (6/26/2014) | (0.273 - 0.37)/(39 - 6) | -0.00293939 |
| 0.604 (11/16/2022) | 0.37 (6/26/2014) | (0.604 - 0.37)/(40 - 6) | 0.00688235 |
| 0.471 (2/14/2023) | 0.37 (6/26/2014) | (0.471 - 0.37)/(41 - 6) | 0.00288571 |
| 0.502 (5/25/2023) | 0.37 (6/26/2014) | (0.502 - 0.37)/(42 - 6) | 0.00366667 |
| 0.578 (8/7/2023) | 0.37 (6/26/2014) | (0.578 - 0.37)/(43 - 6) | 0.00562162 |
| 0.383 (12/12/2023) | 0.37 (6/26/2014) | (0.383 - 0.37)/(44 - 6) | 0.000342105 |
| 0.305 (1/10/2024) | 0.37 (6/26/2014) | (0.305 - 0.37)/(45 - 6) | -0.00166667 |
| 0.357 (5/21/2024) | 0.37 (6/26/2014) | (0.357 - 0.37)/(46 - 6) | -0.000325 |
| 0.637 (9/16/2024) | 0.37 (6/26/2014) | (0.637 - 0.37)/(47 - 6) | 0.0065122 |

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|---|---|---|---|
| 0.352 (12/11/2024) | 0.37 (6/26/2014) | (0.352 - 0.37)/(48 - 6) | -0.000428571 |
| 0.373 (2/18/2025) | 0.37 (6/26/2014) | (0.373 - 0.37)/(49 - 6) | 6.97674e-05 |
| | | | |
| 0.44 (11/19/2014) | 0.48 (9/30/2014) | (0.44 - 0.48)/(8 - 7) | -0.04 |
| 0.46 (3/23/2015) | 0.48 (9/30/2014) | (0.46 - 0.48)/(9 - 7) | -0.01 |
| 0.66 (4/22/2015) | 0.48 (9/30/2014) | (0.66 - 0.48)/(10 - 7) | 0.06 |
| 0.91 (9/30/2015) | 0.48 (9/30/2014) | (0.91 - 0.48)/(11 - 7) | 0.1075 |
| ND<0.25 U (11/19/2015) | 0.48 (9/30/2014) | (0.25 - 0.48)/(12 - 7) | -0.046 |
| ND<0.25 U (3/15/2016) | 0.48 (9/30/2014) | (0.25 - 0.48)/(13 - 7) | -0.0383333 |
| 0.51 (6/29/2016) | 0.48 (9/30/2014) | (0.51 - 0.48)/(14 - 7) | 0.00428571 |
| 0.7 (8/9/2016) | 0.48 (9/30/2014) | (0.7 - 0.48)/(15 - 7) | 0.0275 |
| 0.73 (12/7/2016) | 0.48 (9/30/2014) | (0.73 - 0.48)/(16 - 7) | 0.0277778 |
| 0.97 (3/2/2017) | 0.48 (9/30/2014) | (0.97 - 0.48)/(17 - 7) | 0.049 |
| 0.81 (7/5/2017) | 0.48 (9/30/2014) | (0.81 - 0.48)/(18 - 7) | 0.03 |
| 0.76 (8/16/2017) | 0.48 (9/30/2014) | (0.76 - 0.48)/(19 - 7) | 0.0233333 |
| 0.32 (10/25/2017) | 0.48 (9/30/2014) | (0.32 - 0.48)/(20 - 7) | -0.0123077 |
| ND<0.25 U (3/28/2018) | 0.48 (9/30/2014) | (0.25 - 0.48)/(21 - 7) | -0.0164286 |
| 0.464 (6/29/2018) | 0.48 (9/30/2014) | (0.464 - 0.48)/(22 - 7) | -0.00106667 |
| 0.952 (8/2/2018) | 0.48 (9/30/2014) | (0.952 - 0.48)/(23 - 7) | 0.0295 |
| 0.426 (12/10/2018) | 0.48 (9/30/2014) | (0.426 - 0.48)/(24 - 7) | -0.00317647 |
| ND<0.25 U (4/15/2019) | 0.48 (9/30/2014) | (0.25 - 0.48)/(25 - 7) | -0.0127778 |
| ND<0.25 U (6/12/2019) | 0.48 (9/30/2014) | (0.25 - 0.48)/(26 - 7) | -0.0121053 |
| 0.634 (8/27/2019) | 0.48 (9/30/2014) | (0.634 - 0.48)/(27 - 7) | 0.0077 |
| 0.517 (10/29/2019) | 0.48 (9/30/2014) | (0.517 - 0.48)/(28 - 7) | 0.0017619 |
| 0.452 (3/30/2020) | 0.48 (9/30/2014) | (0.452 - 0.48)/(29 - 7) | -0.00127273 |
| 0.299 (6/16/2020) | 0.48 (9/30/2014) | (0.299 - 0.48)/(30 - 7) | -0.00786957 |
| 0.279 (9/21/2020) | 0.48 (9/30/2014) | (0.279 - 0.48)/(31 - 7) | -0.008375 |
| 0.588 (12/17/2020) | 0.48 (9/30/2014) | (0.588 - 0.48)/(32 - 7) | 0.00432 |
| 0.252 (3/18/2021) | 0.48 (9/30/2014) | (0.252 - 0.48)/(33 - 7) | -0.00876923 |
| ND<0.25 U (5/5/2021) | 0.48 (9/30/2014) | (0.25 - 0.48)/(34 - 7) | -0.00851852 |
| 0.689 (9/2/2021) | 0.48 (9/30/2014) | (0.689 - 0.48)/(35 - 7) | 0.00746429 |
| ND<0.25 U (11/23/2021) | 0.48 (9/30/2014) | (0.25 - 0.48)/(36 - 7) | -0.00793103 |
| 0.55 (1/11/2022) | 0.48 (9/30/2014) | (0.55 - 0.48)/(37 - 7) | 0.00233333 |
| 0.329 (4/7/2022) | 0.48 (9/30/2014) | (0.329 - 0.48)/(38 - 7) | -0.00487097 |
| 0.273 (8/2/2022) | 0.48 (9/30/2014) | (0.273 - 0.48)/(39 - 7) | -0.00646875 |
| 0.604 (11/16/2022) | 0.48 (9/30/2014) | (0.604 - 0.48)/(40 - 7) | 0.00375758 |
| 0.471 (2/14/2023) | 0.48 (9/30/2014) | (0.471 - 0.48)/(41 - 7) | -0.000264706 |
| 0.502 (5/25/2023) | 0.48 (9/30/2014) | (0.502 - 0.48)/(42 - 7) | 0.000628571 |
| 0.578 (8/7/2023) | 0.48 (9/30/2014) | (0.578 - 0.48)/(43 - 7) | 0.00272222 |
| 0.383 (12/12/2023) | 0.48 (9/30/2014) | (0.383 - 0.48)/(44 - 7) | -0.00262162 |
| 0.305 (1/10/2024) | 0.48 (9/30/2014) | (0.305 - 0.48)/(45 - 7) | -0.00460526 |
| 0.357 (5/21/2024) | 0.48 (9/30/2014) | (0.357 - 0.48)/(46 - 7) | -0.00315385 |
| 0.637 (9/16/2024) | 0.48 (9/30/2014) | (0.637 - 0.48)/(47 - 7) | 0.003925 |
| 0.352 (12/11/2024) | 0.48 (9/30/2014) | (0.352 - 0.48)/(48 - 7) | -0.00312195 |
| 0.373 (2/18/2025) | 0.48 (9/30/2014) | (0.373 - 0.48)/(49 - 7) | -0.00254762 |
| | | | |
| 0.46 (3/23/2015) | 0.44 (11/19/2014) | (0.46 - 0.44)/(9 - 8) | 0.02 |
| 0.66 (4/22/2015) | 0.44 (11/19/2014) | (0.66 - 0.44)/(10 - 8) | 0.11 |
| 0.91 (9/30/2015) | 0.44 (11/19/2014) | (0.91 - 0.44)/(11 - 8) | 0.156667 |
| ND<0.25 U (11/19/2015) | 0.44 (11/19/2014) | (0.25 - 0.44)/(12 - 8) | -0.0475 |
| ND<0.25 U (3/15/2016) | 0.44 (11/19/2014) | (0.25 - 0.44)/(13 - 8) | -0.038 |
| 0.51 (6/29/2016) | 0.44 (11/19/2014) | (0.51 - 0.44)/(14 - 8) | 0.0116667 |
| 0.7 (8/9/2016) | 0.44 (11/19/2014) | (0.7 - 0.44)/(15 - 8) | 0.0371429 |
| 0.73 (12/7/2016) | 0.44 (11/19/2014) | (0.73 - 0.44)/(16 - 8) | 0.03625 |
| 0.97 (3/2/2017) | 0.44 (11/19/2014) | (0.97 - 0.44)/(17 - 8) | 0.0588889 |
| 0.81 (7/5/2017) | 0.44 (11/19/2014) | (0.81 - 0.44)/(18 - 8) | 0.037 |
| 0.76 (8/16/2017) | 0.44 (11/19/2014) | (0.76 - 0.44)/(19 - 8) | 0.0290909 |

| | | | |
|---|---|---|---|
| 0.32 (10/25/2017) | 0.44 (11/19/2014) | (0.32 - 0.44)/(20 - 8) | -0.01 |
| ND<0.25 U (3/28/2018) | 0.44 (11/19/2014) | (0.25 - 0.44)/(21 - 8) | -0.0146154 |
| 0.464 (6/29/2018) | 0.44 (11/19/2014) | (0.464 - 0.44)/(22 - 8) | 0.00171429 |
| 0.952 (8/2/2018) | 0.44 (11/19/2014) | (0.952 - 0.44)/(23 - 8) | 0.0341333 |
| 0.426 (12/10/2018) | 0.44 (11/19/2014) | (0.426 - 0.44)/(24 - 8) | -0.000875 |
| ND<0.25 U (4/15/2019) | 0.44 (11/19/2014) | (0.25 - 0.44)/(25 - 8) | -0.0111765 |
| ND<0.25 U (6/12/2019) | 0.44 (11/19/2014) | (0.25 - 0.44)/(26 - 8) | -0.0105556 |
| 0.634 (8/27/2019) | 0.44 (11/19/2014) | (0.634 - 0.44)/(27 - 8) | 0.0102105 |
| 0.517 (10/29/2019) | 0.44 (11/19/2014) | (0.517 - 0.44)/(28 - 8) | 0.00385 |
| 0.452 (3/30/2020) | 0.44 (11/19/2014) | (0.452 - 0.44)/(29 - 8) | 0.000571429 |
| 0.299 (6/16/2020) | 0.44 (11/19/2014) | (0.299 - 0.44)/(30 - 8) | -0.00640909 |
| 0.279 (9/21/2020) | 0.44 (11/19/2014) | (0.279 - 0.44)/(31 - 8) | -0.007 |
| 0.588 (12/17/2020) | 0.44 (11/19/2014) | (0.588 - 0.44)/(32 - 8) | 0.00616667 |
| 0.252 (3/18/2021) | 0.44 (11/19/2014) | (0.252 - 0.44)/(33 - 8) | -0.00752 |
| ND<0.25 U (5/5/2021) | 0.44 (11/19/2014) | (0.25 - 0.44)/(34 - 8) | -0.00730769 |
| 0.689 (9/2/2021) | 0.44 (11/19/2014) | (0.689 - 0.44)/(35 - 8) | 0.00922222 |
| ND<0.25 U (11/23/2021) | 0.44 (11/19/2014) | (0.25 - 0.44)/(36 - 8) | -0.00678571 |
| 0.55 (1/11/2022) | 0.44 (11/19/2014) | (0.55 - 0.44)/(37 - 8) | 0.0037931 |
| 0.329 (4/7/2022) | 0.44 (11/19/2014) | (0.329 - 0.44)/(38 - 8) | -0.0037 |
| 0.273 (8/2/2022) | 0.44 (11/19/2014) | (0.273 - 0.44)/(39 - 8) | -0.0053871 |
| 0.604 (11/16/2022) | 0.44 (11/19/2014) | (0.604 - 0.44)/(40 - 8) | 0.005125 |
| 0.471 (2/14/2023) | 0.44 (11/19/2014) | (0.471 - 0.44)/(41 - 8) | 0.000939394 |
| 0.502 (5/25/2023) | 0.44 (11/19/2014) | (0.502 - 0.44)/(42 - 8) | 0.00182353 |
| 0.578 (8/7/2023) | 0.44 (11/19/2014) | (0.578 - 0.44)/(43 - 8) | 0.00394286 |
| 0.383 (12/12/2023) | 0.44 (11/19/2014) | (0.383 - 0.44)/(44 - 8) | -0.00158333 |
| 0.305 (1/10/2024) | 0.44 (11/19/2014) | (0.305 - 0.44)/(45 - 8) | -0.00364865 |
| 0.357 (5/21/2024) | 0.44 (11/19/2014) | (0.357 - 0.44)/(46 - 8) | -0.00218421 |
| 0.637 (9/16/2024) | 0.44 (11/19/2014) | (0.637 - 0.44)/(47 - 8) | 0.00505128 |
| 0.352 (12/11/2024) | 0.44 (11/19/2014) | (0.352 - 0.44)/(48 - 8) | -0.0022 |
| 0.373 (2/18/2025) | 0.44 (11/19/2014) | (0.373 - 0.44)/(49 - 8) | -0.00163415 |

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|---|---|---|---|
| 0.66 (4/22/2015) | 0.46 (3/23/2015) | (0.66 - 0.46)/(10 - 9) | 0.2 |
| 0.91 (9/30/2015) | 0.46 (3/23/2015) | (0.91 - 0.46)/(11 - 9) | 0.225 |
| ND<0.25 U (11/19/2015) | 0.46 (3/23/2015) | (0.25 - 0.46)/(12 - 9) | -0.07 |
| ND<0.25 U (3/15/2016) | 0.46 (3/23/2015) | (0.25 - 0.46)/(13 - 9) | -0.0525 |
| 0.51 (6/29/2016) | 0.46 (3/23/2015) | (0.51 - 0.46)/(14 - 9) | 0.01 |
| 0.7 (8/9/2016) | 0.46 (3/23/2015) | (0.7 - 0.46)/(15 - 9) | 0.04 |
| 0.73 (12/7/2016) | 0.46 (3/23/2015) | (0.73 - 0.46)/(16 - 9) | 0.0385714 |
| 0.97 (3/2/2017) | 0.46 (3/23/2015) | (0.97 - 0.46)/(17 - 9) | 0.06375 |
| 0.81 (7/5/2017) | 0.46 (3/23/2015) | (0.81 - 0.46)/(18 - 9) | 0.0388889 |
| 0.76 (8/16/2017) | 0.46 (3/23/2015) | (0.76 - 0.46)/(19 - 9) | 0.03 |
| 0.32 (10/25/2017) | 0.46 (3/23/2015) | (0.32 - 0.46)/(20 - 9) | -0.0127273 |
| ND<0.25 U (3/28/2018) | 0.46 (3/23/2015) | (0.25 - 0.46)/(21 - 9) | -0.0175 |
| 0.464 (6/29/2018) | 0.46 (3/23/2015) | (0.464 - 0.46)/(22 - 9) | 0.000307692 |
| 0.952 (8/2/2018) | 0.46 (3/23/2015) | (0.952 - 0.46)/(23 - 9) | 0.0351429 |
| 0.426 (12/10/2018) | 0.46 (3/23/2015) | (0.426 - 0.46)/(24 - 9) | -0.00226667 |
| ND<0.25 U (4/15/2019) | 0.46 (3/23/2015) | (0.25 - 0.46)/(25 - 9) | -0.013125 |
| ND<0.25 U (6/12/2019) | 0.46 (3/23/2015) | (0.25 - 0.46)/(26 - 9) | -0.0123529 |
| 0.634 (8/27/2019) | 0.46 (3/23/2015) | (0.634 - 0.46)/(27 - 9) | 0.00966667 |
| 0.517 (10/29/2019) | 0.46 (3/23/2015) | (0.517 - 0.46)/(28 - 9) | 0.003 |
| 0.452 (3/30/2020) | 0.46 (3/23/2015) | (0.452 - 0.46)/(29 - 9) | -0.0004 |
| 0.299 (6/16/2020) | 0.46 (3/23/2015) | (0.299 - 0.46)/(30 - 9) | -0.00766667 |
| 0.279 (9/21/2020) | 0.46 (3/23/2015) | (0.279 - 0.46)/(31 - 9) | -0.00822727 |
| 0.588 (12/17/2020) | 0.46 (3/23/2015) | (0.588 - 0.46)/(32 - 9) | 0.00556522 |
| 0.252 (3/18/2021) | 0.46 (3/23/2015) | (0.252 - 0.46)/(33 - 9) | -0.00866667 |
| ND<0.25 U (5/5/2021) | 0.46 (3/23/2015) | (0.25 - 0.46)/(34 - 9) | -0.0084 |
| 0.689 (9/2/2021) | 0.46 (3/23/2015) | (0.689 - 0.46)/(35 - 9) | 0.00880769 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.46 (3/23/2015) | (0.25 - 0.46)/(36 - 9) | -0.00777778 |
| 0.55 (1/11/2022) | 0.46 (3/23/2015) | (0.55 - 0.46)/(37 - 9) | 0.00321429 |
| 0.329 (4/7/2022) | 0.46 (3/23/2015) | (0.329 - 0.46)/(38 - 9) | -0.00451724 |
| 0.273 (8/2/2022) | 0.46 (3/23/2015) | (0.273 - 0.46)/(39 - 9) | -0.00623333 |
| 0.604 (11/16/2022) | 0.46 (3/23/2015) | (0.604 - 0.46)/(40 - 9) | 0.00464516 |
| 0.471 (2/14/2023) | 0.46 (3/23/2015) | (0.471 - 0.46)/(41 - 9) | 0.00034375 |
| 0.502 (5/25/2023) | 0.46 (3/23/2015) | (0.502 - 0.46)/(42 - 9) | 0.00127273 |
| 0.578 (8/7/2023) | 0.46 (3/23/2015) | (0.578 - 0.46)/(43 - 9) | 0.00347059 |
| 0.383 (12/12/2023) | 0.46 (3/23/2015) | (0.383 - 0.46)/(44 - 9) | -0.0022 |
| 0.305 (1/10/2024) | 0.46 (3/23/2015) | (0.305 - 0.46)/(45 - 9) | -0.00430556 |
| 0.357 (5/21/2024) | 0.46 (3/23/2015) | (0.357 - 0.46)/(46 - 9) | -0.00278378 |
| 0.637 (9/16/2024) | 0.46 (3/23/2015) | (0.637 - 0.46)/(47 - 9) | 0.00465789 |
| 0.352 (12/11/2024) | 0.46 (3/23/2015) | (0.352 - 0.46)/(48 - 9) | -0.00276923 |
| 0.373 (2/18/2025) | 0.46 (3/23/2015) | (0.373 - 0.46)/(49 - 9) | -0.002175 |
| | | | |
| 0.91 (9/30/2015) | 0.66 (4/22/2015) | (0.91 - 0.66)/(11 - 10) | 0.25 |
| ND<0.25 U (11/19/2015) | 0.66 (4/22/2015) | (0.25 - 0.66)/(12 - 10) | -0.205 |
| ND<0.25 U (3/15/2016) | 0.66 (4/22/2015) | (0.25 - 0.66)/(13 - 10) | -0.136667 |
| 0.51 (6/29/2016) | 0.66 (4/22/2015) | (0.51 - 0.66)/(14 - 10) | -0.0375 |
| 0.7 (8/9/2016) | 0.66 (4/22/2015) | (0.7 - 0.66)/(15 - 10) | 0.008 |
| 0.73 (12/7/2016) | 0.66 (4/22/2015) | (0.73 - 0.66)/(16 - 10) | 0.0116667 |
| 0.97 (3/2/2017) | 0.66 (4/22/2015) | (0.97 - 0.66)/(17 - 10) | 0.0442857 |
| 0.81 (7/5/2017) | 0.66 (4/22/2015) | (0.81 - 0.66)/(18 - 10) | 0.01875 |
| 0.76 (8/16/2017) | 0.66 (4/22/2015) | (0.76 - 0.66)/(19 - 10) | 0.0111111 |
| 0.32 (10/25/2017) | 0.66 (4/22/2015) | (0.32 - 0.66)/(20 - 10) | -0.034 |
| ND<0.25 U (3/28/2018) | 0.66 (4/22/2015) | (0.25 - 0.66)/(21 - 10) | -0.0372727 |
| 0.464 (6/29/2018) | 0.66 (4/22/2015) | (0.464 - 0.66)/(22 - 10) | -0.0163333 |
| 0.952 (8/2/2018) | 0.66 (4/22/2015) | (0.952 - 0.66)/(23 - 10) | 0.0224615 |
| 0.426 (12/10/2018) | 0.66 (4/22/2015) | (0.426 - 0.66)/(24 - 10) | -0.0167143 |
| ND<0.25 U (4/15/2019) | 0.66 (4/22/2015) | (0.25 - 0.66)/(25 - 10) | -0.0273333 |
| ND<0.25 U (6/12/2019) | 0.66 (4/22/2015) | (0.25 - 0.66)/(26 - 10) | -0.025625 |
| 0.634 (8/27/2019) | 0.66 (4/22/2015) | (0.634 - 0.66)/(27 - 10) | -0.00152941 |
| 0.517 (10/29/2019) | 0.66 (4/22/2015) | (0.517 - 0.66)/(28 - 10) | -0.00794444 |
| 0.452 (3/30/2020) | 0.66 (4/22/2015) | (0.452 - 0.66)/(29 - 10) | -0.0109474 |
| 0.299 (6/16/2020) | 0.66 (4/22/2015) | (0.299 - 0.66)/(30 - 10) | -0.01805 |
| 0.279 (9/21/2020) | 0.66 (4/22/2015) | (0.279 - 0.66)/(31 - 10) | -0.0181429 |
| 0.588 (12/17/2020) | 0.66 (4/22/2015) | (0.588 - 0.66)/(32 - 10) | -0.00327273 |
| 0.252 (3/18/2021) | 0.66 (4/22/2015) | (0.252 - 0.66)/(33 - 10) | -0.0177391 |
| ND<0.25 U (5/5/2021) | 0.66 (4/22/2015) | (0.25 - 0.66)/(34 - 10) | -0.0170833 |
| 0.689 (9/2/2021) | 0.66 (4/22/2015) | (0.689 - 0.66)/(35 - 10) | 0.00116 |
| ND<0.25 U (11/23/2021) | 0.66 (4/22/2015) | (0.25 - 0.66)/(36 - 10) | -0.0157692 |
| 0.55 (1/11/2022) | 0.66 (4/22/2015) | (0.55 - 0.66)/(37 - 10) | -0.00407407 |
| 0.329 (4/7/2022) | 0.66 (4/22/2015) | (0.329 - 0.66)/(38 - 10) | -0.0118214 |
| 0.273 (8/2/2022) | 0.66 (4/22/2015) | (0.273 - 0.66)/(39 - 10) | -0.0133448 |
| 0.604 (11/16/2022) | 0.66 (4/22/2015) | (0.604 - 0.66)/(40 - 10) | -0.00186667 |
| 0.471 (2/14/2023) | 0.66 (4/22/2015) | (0.471 - 0.66)/(41 - 10) | -0.00609677 |
| 0.502 (5/25/2023) | 0.66 (4/22/2015) | (0.502 - 0.66)/(42 - 10) | -0.0049375 |
| 0.578 (8/7/2023) | 0.66 (4/22/2015) | (0.578 - 0.66)/(43 - 10) | -0.00248485 |
| 0.383 (12/12/2023) | 0.66 (4/22/2015) | (0.383 - 0.66)/(44 - 10) | -0.00814706 |
| 0.305 (1/10/2024) | 0.66 (4/22/2015) | (0.305 - 0.66)/(45 - 10) | -0.0101429 |
| 0.357 (5/21/2024) | 0.66 (4/22/2015) | (0.357 - 0.66)/(46 - 10) | -0.00841667 |
| 0.637 (9/16/2024) | 0.66 (4/22/2015) | (0.637 - 0.66)/(47 - 10) | -0.000621622 |
| 0.352 (12/11/2024) | 0.66 (4/22/2015) | (0.352 - 0.66)/(48 - 10) | -0.00810526 |
| 0.373 (2/18/2025) | 0.66 (4/22/2015) | (0.373 - 0.66)/(49 - 10) | -0.00735897 |
| | | | |
| ND<0.25 U (11/19/2015) | 0.91 (9/30/2015) | (0.25 - 0.91)/(12 - 11) | -0.66 |
| ND<0.25 U (3/15/2016) | 0.91 (9/30/2015) | (0.25 - 0.91)/(13 - 11) | -0.33 |

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|---|---|---|---|
| 0.51 (6/29/2016) | 0.91 (9/30/2015) | (0.51 - 0.91)/(14 - 11) | -0.133333 |
| 0.7 (8/9/2016) | 0.91 (9/30/2015) | (0.7 - 0.91)/(15 - 11) | -0.0525 |
| 0.73 (12/7/2016) | 0.91 (9/30/2015) | (0.73 - 0.91)/(16 - 11) | -0.036 |
| 0.97 (3/2/2017) | 0.91 (9/30/2015) | (0.97 - 0.91)/(17 - 11) | 0.01 |
| 0.81 (7/5/2017) | 0.91 (9/30/2015) | (0.81 - 0.91)/(18 - 11) | -0.0142857 |
| 0.76 (8/16/2017) | 0.91 (9/30/2015) | (0.76 - 0.91)/(19 - 11) | -0.01875 |
| 0.32 (10/25/2017) | 0.91 (9/30/2015) | (0.32 - 0.91)/(20 - 11) | -0.0655556 |
| ND<0.25 U (3/28/2018) | 0.91 (9/30/2015) | (0.25 - 0.91)/(21 - 11) | -0.066 |
| 0.464 (6/29/2018) | 0.91 (9/30/2015) | (0.464 - 0.91)/(22 - 11) | -0.0405455 |
| 0.952 (8/2/2018) | 0.91 (9/30/2015) | (0.952 - 0.91)/(23 - 11) | 0.0035 |
| 0.426 (12/10/2018) | 0.91 (9/30/2015) | (0.426 - 0.91)/(24 - 11) | -0.0372308 |
| ND<0.25 U (4/15/2019) | 0.91 (9/30/2015) | (0.25 - 0.91)/(25 - 11) | -0.0471429 |
| ND<0.25 U (6/12/2019) | 0.91 (9/30/2015) | (0.25 - 0.91)/(26 - 11) | -0.044 |
| 0.634 (8/27/2019) | 0.91 (9/30/2015) | (0.634 - 0.91)/(27 - 11) | -0.01725 |
| 0.517 (10/29/2019) | 0.91 (9/30/2015) | (0.517 - 0.91)/(28 - 11) | -0.0231176 |
| 0.452 (3/30/2020) | 0.91 (9/30/2015) | (0.452 - 0.91)/(29 - 11) | -0.0254444 |
| 0.299 (6/16/2020) | 0.91 (9/30/2015) | (0.299 - 0.91)/(30 - 11) | -0.0321579 |
| 0.279 (9/21/2020) | 0.91 (9/30/2015) | (0.279 - 0.91)/(31 - 11) | -0.03155 |
| 0.588 (12/17/2020) | 0.91 (9/30/2015) | (0.588 - 0.91)/(32 - 11) | -0.0153333 |
| 0.252 (3/18/2021) | 0.91 (9/30/2015) | (0.252 - 0.91)/(33 - 11) | -0.0299091 |
| ND<0.25 U (5/5/2021) | 0.91 (9/30/2015) | (0.25 - 0.91)/(34 - 11) | -0.0286957 |
| 0.689 (9/2/2021) | 0.91 (9/30/2015) | (0.689 - 0.91)/(35 - 11) | -0.00920833 |
| ND<0.25 U (11/23/2021) | 0.91 (9/30/2015) | (0.25 - 0.91)/(36 - 11) | -0.0264 |
| 0.55 (1/11/2022) | 0.91 (9/30/2015) | (0.55 - 0.91)/(37 - 11) | -0.0138462 |
| 0.329 (4/7/2022) | 0.91 (9/30/2015) | (0.329 - 0.91)/(38 - 11) | -0.0215185 |
| 0.273 (8/2/2022) | 0.91 (9/30/2015) | (0.273 - 0.91)/(39 - 11) | -0.02275 |
| 0.604 (11/16/2022) | 0.91 (9/30/2015) | (0.604 - 0.91)/(40 - 11) | -0.0105517 |
| 0.471 (2/14/2023) | 0.91 (9/30/2015) | (0.471 - 0.91)/(41 - 11) | -0.0146333 |
| 0.502 (5/25/2023) | 0.91 (9/30/2015) | (0.502 - 0.91)/(42 - 11) | -0.0131613 |
| 0.578 (8/7/2023) | 0.91 (9/30/2015) | (0.578 - 0.91)/(43 - 11) | -0.010375 |
| 0.383 (12/12/2023) | 0.91 (9/30/2015) | (0.383 - 0.91)/(44 - 11) | -0.0159697 |
| 0.305 (1/10/2024) | 0.91 (9/30/2015) | (0.305 - 0.91)/(45 - 11) | -0.0177941 |
| 0.357 (5/21/2024) | 0.91 (9/30/2015) | (0.357 - 0.91)/(46 - 11) | -0.0158 |
| 0.637 (9/16/2024) | 0.91 (9/30/2015) | (0.637 - 0.91)/(47 - 11) | -0.00758333 |
| 0.352 (12/11/2024) | 0.91 (9/30/2015) | (0.352 - 0.91)/(48 - 11) | -0.0150811 |
| 0.373 (2/18/2025) | 0.91 (9/30/2015) | (0.373 - 0.91)/(49 - 11) | -0.0141316 |

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|---|---|---|---|
| ND<0.25 U (3/15/2016) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(13 - 12) | 0 |
| 0.51 (6/29/2016) | ND<0.25 U (11/19/2015) | (0.51 - 0.25)/(14 - 12) | 0.13 |
| 0.7 (8/9/2016) | ND<0.25 U (11/19/2015) | (0.7 - 0.25)/(15 - 12) | 0.15 |
| 0.73 (12/7/2016) | ND<0.25 U (11/19/2015) | (0.73 - 0.25)/(16 - 12) | 0.12 |
| 0.97 (3/2/2017) | ND<0.25 U (11/19/2015) | (0.97 - 0.25)/(17 - 12) | 0.144 |
| 0.81 (7/5/2017) | ND<0.25 U (11/19/2015) | (0.81 - 0.25)/(18 - 12) | 0.0933333 |
| 0.76 (8/16/2017) | ND<0.25 U (11/19/2015) | (0.76 - 0.25)/(19 - 12) | 0.0728571 |
| 0.32 (10/25/2017) | ND<0.25 U (11/19/2015) | (0.32 - 0.25)/(20 - 12) | 0.00875 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(21 - 12) | 0 |
| 0.464 (6/29/2018) | ND<0.25 U (11/19/2015) | (0.464 - 0.25)/(22 - 12) | 0.0214 |
| 0.952 (8/2/2018) | ND<0.25 U (11/19/2015) | (0.952 - 0.25)/(23 - 12) | 0.0638182 |
| 0.426 (12/10/2018) | ND<0.25 U (11/19/2015) | (0.426 - 0.25)/(24 - 12) | 0.0146667 |
| ND<0.25 U (4/15/2019) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(25 - 12) | 0 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(26 - 12) | 0 |
| 0.634 (8/27/2019) | ND<0.25 U (11/19/2015) | (0.634 - 0.25)/(27 - 12) | 0.0256 |
| 0.517 (10/29/2019) | ND<0.25 U (11/19/2015) | (0.517 - 0.25)/(28 - 12) | 0.0166875 |
| 0.452 (3/30/2020) | ND<0.25 U (11/19/2015) | (0.452 - 0.25)/(29 - 12) | 0.0118824 |
| 0.299 (6/16/2020) | ND<0.25 U (11/19/2015) | (0.299 - 0.25)/(30 - 12) | 0.00272222 |
| 0.279 (9/21/2020) | ND<0.25 U (11/19/2015) | (0.279 - 0.25)/(31 - 12) | 0.00152632 |
| 0.588 (12/17/2020) | ND<0.25 U (11/19/2015) | (0.588 - 0.25)/(32 - 12) | 0.0169 |

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|---|---|---|---|
| 0.252 (3/18/2021) | ND<0.25 U (11/19/2015) | (0.252 - 0.25)/(33 - 12) | 9.52381e-05 |
| ND<0.25 U (5/5/2021) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(34 - 12) | 0 |
| 0.689 (9/2/2021) | ND<0.25 U (11/19/2015) | (0.689 - 0.25)/(35 - 12) | 0.019087 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(36 - 12) | 0 |
| 0.55 (1/11/2022) | ND<0.25 U (11/19/2015) | (0.55 - 0.25)/(37 - 12) | 0.012 |
| 0.329 (4/7/2022) | ND<0.25 U (11/19/2015) | (0.329 - 0.25)/(38 - 12) | 0.00303846 |
| 0.273 (8/2/2022) | ND<0.25 U (11/19/2015) | (0.273 - 0.25)/(39 - 12) | 0.000851852 |
| 0.604 (11/16/2022) | ND<0.25 U (11/19/2015) | (0.604 - 0.25)/(40 - 12) | 0.0126429 |
| 0.471 (2/14/2023) | ND<0.25 U (11/19/2015) | (0.471 - 0.25)/(41 - 12) | 0.00762069 |
| 0.502 (5/25/2023) | ND<0.25 U (11/19/2015) | (0.502 - 0.25)/(42 - 12) | 0.0084 |
| 0.578 (8/7/2023) | ND<0.25 U (11/19/2015) | (0.578 - 0.25)/(43 - 12) | 0.0105806 |
| 0.383 (12/12/2023) | ND<0.25 U (11/19/2015) | (0.383 - 0.25)/(44 - 12) | 0.00415625 |
| 0.305 (1/10/2024) | ND<0.25 U (11/19/2015) | (0.305 - 0.25)/(45 - 12) | 0.00166667 |
| 0.357 (5/21/2024) | ND<0.25 U (11/19/2015) | (0.357 - 0.25)/(46 - 12) | 0.00314706 |
| 0.637 (9/16/2024) | ND<0.25 U (11/19/2015) | (0.637 - 0.25)/(47 - 12) | 0.0110571 |
| 0.352 (12/11/2024) | ND<0.25 U (11/19/2015) | (0.352 - 0.25)/(48 - 12) | 0.00283333 |
| 0.373 (2/18/2025) | ND<0.25 U (11/19/2015) | (0.373 - 0.25)/(49 - 12) | 0.00332432 |
| | | | |
| 0.51 (6/29/2016) | ND<0.25 U (3/15/2016) | (0.51 - 0.25)/(14 - 13) | 0.26 |
| 0.7 (8/9/2016) | ND<0.25 U (3/15/2016) | (0.7 - 0.25)/(15 - 13) | 0.225 |
| 0.73 (12/7/2016) | ND<0.25 U (3/15/2016) | (0.73 - 0.25)/(16 - 13) | 0.16 |
| 0.97 (3/2/2017) | ND<0.25 U (3/15/2016) | (0.97 - 0.25)/(17 - 13) | 0.18 |
| 0.81 (7/5/2017) | ND<0.25 U (3/15/2016) | (0.81 - 0.25)/(18 - 13) | 0.112 |
| 0.76 (8/16/2017) | ND<0.25 U (3/15/2016) | (0.76 - 0.25)/(19 - 13) | 0.085 |
| 0.32 (10/25/2017) | ND<0.25 U (3/15/2016) | (0.32 - 0.25)/(20 - 13) | 0.01 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(21 - 13) | 0 |
| 0.464 (6/29/2018) | ND<0.25 U (3/15/2016) | (0.464 - 0.25)/(22 - 13) | 0.0237778 |
| 0.952 (8/2/2018) | ND<0.25 U (3/15/2016) | (0.952 - 0.25)/(23 - 13) | 0.0702 |
| 0.426 (12/10/2018) | ND<0.25 U (3/15/2016) | (0.426 - 0.25)/(24 - 13) | 0.016 |
| ND<0.25 U (4/15/2019) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(25 - 13) | 0 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(26 - 13) | 0 |
| 0.634 (8/27/2019) | ND<0.25 U (3/15/2016) | (0.634 - 0.25)/(27 - 13) | 0.0274286 |
| 0.517 (10/29/2019) | ND<0.25 U (3/15/2016) | (0.517 - 0.25)/(28 - 13) | 0.0178 |
| 0.452 (3/30/2020) | ND<0.25 U (3/15/2016) | (0.452 - 0.25)/(29 - 13) | 0.012625 |
| 0.299 (6/16/2020) | ND<0.25 U (3/15/2016) | (0.299 - 0.25)/(30 - 13) | 0.00288235 |
| 0.279 (9/21/2020) | ND<0.25 U (3/15/2016) | (0.279 - 0.25)/(31 - 13) | 0.00161111 |
| 0.588 (12/17/2020) | ND<0.25 U (3/15/2016) | (0.588 - 0.25)/(32 - 13) | 0.0177895 |
| 0.252 (3/18/2021) | ND<0.25 U (3/15/2016) | (0.252 - 0.25)/(33 - 13) | 0.0001 |
| ND<0.25 U (5/5/2021) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(34 - 13) | 0 |
| 0.689 (9/2/2021) | ND<0.25 U (3/15/2016) | (0.689 - 0.25)/(35 - 13) | 0.0199545 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(36 - 13) | 0 |
| 0.55 (1/11/2022) | ND<0.25 U (3/15/2016) | (0.55 - 0.25)/(37 - 13) | 0.0125 |
| 0.329 (4/7/2022) | ND<0.25 U (3/15/2016) | (0.329 - 0.25)/(38 - 13) | 0.00316 |
| 0.273 (8/2/2022) | ND<0.25 U (3/15/2016) | (0.273 - 0.25)/(39 - 13) | 0.000884615 |
| 0.604 (11/16/2022) | ND<0.25 U (3/15/2016) | (0.604 - 0.25)/(40 - 13) | 0.0131111 |
| 0.471 (2/14/2023) | ND<0.25 U (3/15/2016) | (0.471 - 0.25)/(41 - 13) | 0.00789286 |
| 0.502 (5/25/2023) | ND<0.25 U (3/15/2016) | (0.502 - 0.25)/(42 - 13) | 0.00868966 |
| 0.578 (8/7/2023) | ND<0.25 U (3/15/2016) | (0.578 - 0.25)/(43 - 13) | 0.0109333 |
| 0.383 (12/12/2023) | ND<0.25 U (3/15/2016) | (0.383 - 0.25)/(44 - 13) | 0.00429032 |
| 0.305 (1/10/2024) | ND<0.25 U (3/15/2016) | (0.305 - 0.25)/(45 - 13) | 0.00171875 |
| 0.357 (5/21/2024) | ND<0.25 U (3/15/2016) | (0.357 - 0.25)/(46 - 13) | 0.00324242 |
| 0.637 (9/16/2024) | ND<0.25 U (3/15/2016) | (0.637 - 0.25)/(47 - 13) | 0.0113824 |
| 0.352 (12/11/2024) | ND<0.25 U (3/15/2016) | (0.352 - 0.25)/(48 - 13) | 0.00291429 |
| 0.373 (2/18/2025) | ND<0.25 U (3/15/2016) | (0.373 - 0.25)/(49 - 13) | 0.00341667 |
| | | | |
| 0.7 (8/9/2016) | 0.51 (6/29/2016) | (0.7 - 0.51)/(15 - 14) | 0.19 |
| 0.73 (12/7/2016) | 0.51 (6/29/2016) | (0.73 - 0.51)/(16 - 14) | 0.11 |

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|---|---|---|---|
| 0.97 (3/2/2017) | 0.51 (6/29/2016) | (0.97 - 0.51)/(17 - 14) | 0.153333 |
| 0.81 (7/5/2017) | 0.51 (6/29/2016) | (0.81 - 0.51)/(18 - 14) | 0.075 |
| 0.76 (8/16/2017) | 0.51 (6/29/2016) | (0.76 - 0.51)/(19 - 14) | 0.05 |
| 0.32 (10/25/2017) | 0.51 (6/29/2016) | (0.32 - 0.51)/(20 - 14) | -0.0316667 |
| ND<0.25 U (3/28/2018) | 0.51 (6/29/2016) | (0.25 - 0.51)/(21 - 14) | -0.0371429 |
| 0.464 (6/29/2018) | 0.51 (6/29/2016) | (0.464 - 0.51)/(22 - 14) | -0.00575 |
| 0.952 (8/2/2018) | 0.51 (6/29/2016) | (0.952 - 0.51)/(23 - 14) | 0.0491111 |
| 0.426 (12/10/2018) | 0.51 (6/29/2016) | (0.426 - 0.51)/(24 - 14) | -0.0084 |
| ND<0.25 U (4/15/2019) | 0.51 (6/29/2016) | (0.25 - 0.51)/(25 - 14) | -0.0236364 |
| ND<0.25 U (6/12/2019) | 0.51 (6/29/2016) | (0.25 - 0.51)/(26 - 14) | -0.0216667 |
| 0.634 (8/27/2019) | 0.51 (6/29/2016) | (0.634 - 0.51)/(27 - 14) | 0.00953846 |
| 0.517 (10/29/2019) | 0.51 (6/29/2016) | (0.517 - 0.51)/(28 - 14) | 0.0005 |
| 0.452 (3/30/2020) | 0.51 (6/29/2016) | (0.452 - 0.51)/(29 - 14) | -0.00386667 |
| 0.299 (6/16/2020) | 0.51 (6/29/2016) | (0.299 - 0.51)/(30 - 14) | -0.0131875 |
| 0.279 (9/21/2020) | 0.51 (6/29/2016) | (0.279 - 0.51)/(31 - 14) | -0.0135882 |
| 0.588 (12/17/2020) | 0.51 (6/29/2016) | (0.588 - 0.51)/(32 - 14) | 0.00433333 |
| 0.252 (3/18/2021) | 0.51 (6/29/2016) | (0.252 - 0.51)/(33 - 14) | -0.0135789 |
| ND<0.25 U (5/5/2021) | 0.51 (6/29/2016) | (0.25 - 0.51)/(34 - 14) | -0.013 |
| 0.689 (9/2/2021) | 0.51 (6/29/2016) | (0.689 - 0.51)/(35 - 14) | 0.00852381 |
| ND<0.25 U (11/23/2021) | 0.51 (6/29/2016) | (0.25 - 0.51)/(36 - 14) | -0.0118182 |
| 0.55 (1/11/2022) | 0.51 (6/29/2016) | (0.55 - 0.51)/(37 - 14) | 0.00173913 |
| 0.329 (4/7/2022) | 0.51 (6/29/2016) | (0.329 - 0.51)/(38 - 14) | -0.00754167 |
| 0.273 (8/2/2022) | 0.51 (6/29/2016) | (0.273 - 0.51)/(39 - 14) | -0.00948 |
| 0.604 (11/16/2022) | 0.51 (6/29/2016) | (0.604 - 0.51)/(40 - 14) | 0.00361538 |
| 0.471 (2/14/2023) | 0.51 (6/29/2016) | (0.471 - 0.51)/(41 - 14) | -0.00144444 |
| 0.502 (5/25/2023) | 0.51 (6/29/2016) | (0.502 - 0.51)/(42 - 14) | -0.000285714 |
| 0.578 (8/7/2023) | 0.51 (6/29/2016) | (0.578 - 0.51)/(43 - 14) | 0.00234483 |
| 0.383 (12/12/2023) | 0.51 (6/29/2016) | (0.383 - 0.51)/(44 - 14) | -0.00423333 |
| 0.305 (1/10/2024) | 0.51 (6/29/2016) | (0.305 - 0.51)/(45 - 14) | -0.0066129 |
| 0.357 (5/21/2024) | 0.51 (6/29/2016) | (0.357 - 0.51)/(46 - 14) | -0.00478125 |
| 0.637 (9/16/2024) | 0.51 (6/29/2016) | (0.637 - 0.51)/(47 - 14) | 0.00384848 |
| 0.352 (12/11/2024) | 0.51 (6/29/2016) | (0.352 - 0.51)/(48 - 14) | -0.00464706 |
| 0.373 (2/18/2025) | 0.51 (6/29/2016) | (0.373 - 0.51)/(49 - 14) | -0.00391429 |

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|---|---|---|---|
| 0.73 (12/7/2016) | 0.7 (8/9/2016) | (0.73 - 0.7)/(16 - 15) | 0.03 |
| 0.97 (3/2/2017) | 0.7 (8/9/2016) | (0.97 - 0.7)/(17 - 15) | 0.135 |
| 0.81 (7/5/2017) | 0.7 (8/9/2016) | (0.81 - 0.7)/(18 - 15) | 0.0366667 |
| 0.76 (8/16/2017) | 0.7 (8/9/2016) | (0.76 - 0.7)/(19 - 15) | 0.015 |
| 0.32 (10/25/2017) | 0.7 (8/9/2016) | (0.32 - 0.7)/(20 - 15) | -0.076 |
| ND<0.25 U (3/28/2018) | 0.7 (8/9/2016) | (0.25 - 0.7)/(21 - 15) | -0.075 |
| 0.464 (6/29/2018) | 0.7 (8/9/2016) | (0.464 - 0.7)/(22 - 15) | -0.0337143 |
| 0.952 (8/2/2018) | 0.7 (8/9/2016) | (0.952 - 0.7)/(23 - 15) | 0.0315 |
| 0.426 (12/10/2018) | 0.7 (8/9/2016) | (0.426 - 0.7)/(24 - 15) | -0.0304444 |
| ND<0.25 U (4/15/2019) | 0.7 (8/9/2016) | (0.25 - 0.7)/(25 - 15) | -0.045 |
| ND<0.25 U (6/12/2019) | 0.7 (8/9/2016) | (0.25 - 0.7)/(26 - 15) | -0.0409091 |
| 0.634 (8/27/2019) | 0.7 (8/9/2016) | (0.634 - 0.7)/(27 - 15) | -0.0055 |
| 0.517 (10/29/2019) | 0.7 (8/9/2016) | (0.517 - 0.7)/(28 - 15) | -0.0140769 |
| 0.452 (3/30/2020) | 0.7 (8/9/2016) | (0.452 - 0.7)/(29 - 15) | -0.0177143 |
| 0.299 (6/16/2020) | 0.7 (8/9/2016) | (0.299 - 0.7)/(30 - 15) | -0.0267333 |
| 0.279 (9/21/2020) | 0.7 (8/9/2016) | (0.279 - 0.7)/(31 - 15) | -0.0263125 |
| 0.588 (12/17/2020) | 0.7 (8/9/2016) | (0.588 - 0.7)/(32 - 15) | -0.00658824 |
| 0.252 (3/18/2021) | 0.7 (8/9/2016) | (0.252 - 0.7)/(33 - 15) | -0.0248889 |
| ND<0.25 U (5/5/2021) | 0.7 (8/9/2016) | (0.25 - 0.7)/(34 - 15) | -0.0236842 |
| 0.689 (9/2/2021) | 0.7 (8/9/2016) | (0.689 - 0.7)/(35 - 15) | -0.00055 |
| ND<0.25 U (11/23/2021) | 0.7 (8/9/2016) | (0.25 - 0.7)/(36 - 15) | -0.0214286 |
| 0.55 (1/11/2022) | 0.7 (8/9/2016) | (0.55 - 0.7)/(37 - 15) | -0.00681818 |
| 0.329 (4/7/2022) | 0.7 (8/9/2016) | (0.329 - 0.7)/(38 - 15) | -0.0161304 |

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|---|---|---|---|
| 0.273 (8/2/2022) | 0.7 (8/9/2016) | (0.273 - 0.7)/(39 - 15) | -0.0177917 |
| 0.604 (11/16/2022) | 0.7 (8/9/2016) | (0.604 - 0.7)/(40 - 15) | -0.00384 |
| 0.471 (2/14/2023) | 0.7 (8/9/2016) | (0.471 - 0.7)/(41 - 15) | -0.00880769 |
| 0.502 (5/25/2023) | 0.7 (8/9/2016) | (0.502 - 0.7)/(42 - 15) | -0.00733333 |
| 0.578 (8/7/2023) | 0.7 (8/9/2016) | (0.578 - 0.7)/(43 - 15) | -0.00435714 |
| 0.383 (12/12/2023) | 0.7 (8/9/2016) | (0.383 - 0.7)/(44 - 15) | -0.010931 |
| 0.305 (1/10/2024) | 0.7 (8/9/2016) | (0.305 - 0.7)/(45 - 15) | -0.0131667 |
| 0.357 (5/21/2024) | 0.7 (8/9/2016) | (0.357 - 0.7)/(46 - 15) | -0.0110645 |
| 0.637 (9/16/2024) | 0.7 (8/9/2016) | (0.637 - 0.7)/(47 - 15) | -0.00196875 |
| 0.352 (12/11/2024) | 0.7 (8/9/2016) | (0.352 - 0.7)/(48 - 15) | -0.0105455 |
| 0.373 (2/18/2025) | 0.7 (8/9/2016) | (0.373 - 0.7)/(49 - 15) | -0.00961765 |
| | | | |
| 0.97 (3/2/2017) | 0.73 (12/7/2016) | (0.97 - 0.73)/(17 - 16) | 0.24 |
| 0.81 (7/5/2017) | 0.73 (12/7/2016) | (0.81 - 0.73)/(18 - 16) | 0.04 |
| 0.76 (8/16/2017) | 0.73 (12/7/2016) | (0.76 - 0.73)/(19 - 16) | 0.01 |
| 0.32 (10/25/2017) | 0.73 (12/7/2016) | (0.32 - 0.73)/(20 - 16) | -0.1025 |
| ND<0.25 U (3/28/2018) | 0.73 (12/7/2016) | (0.25 - 0.73)/(21 - 16) | -0.096 |
| 0.464 (6/29/2018) | 0.73 (12/7/2016) | (0.464 - 0.73)/(22 - 16) | -0.0443333 |
| 0.952 (8/2/2018) | 0.73 (12/7/2016) | (0.952 - 0.73)/(23 - 16) | 0.0317143 |
| 0.426 (12/10/2018) | 0.73 (12/7/2016) | (0.426 - 0.73)/(24 - 16) | -0.038 |
| ND<0.25 U (4/15/2019) | 0.73 (12/7/2016) | (0.25 - 0.73)/(25 - 16) | -0.0533333 |
| ND<0.25 U (6/12/2019) | 0.73 (12/7/2016) | (0.25 - 0.73)/(26 - 16) | -0.048 |
| 0.634 (8/27/2019) | 0.73 (12/7/2016) | (0.634 - 0.73)/(27 - 16) | -0.00872727 |
| 0.517 (10/29/2019) | 0.73 (12/7/2016) | (0.517 - 0.73)/(28 - 16) | -0.01775 |
| 0.452 (3/30/2020) | 0.73 (12/7/2016) | (0.452 - 0.73)/(29 - 16) | -0.0213846 |
| 0.299 (6/16/2020) | 0.73 (12/7/2016) | (0.299 - 0.73)/(30 - 16) | -0.0307857 |
| 0.279 (9/21/2020) | 0.73 (12/7/2016) | (0.279 - 0.73)/(31 - 16) | -0.0300667 |
| 0.588 (12/17/2020) | 0.73 (12/7/2016) | (0.588 - 0.73)/(32 - 16) | -0.008875 |
| 0.252 (3/18/2021) | 0.73 (12/7/2016) | (0.252 - 0.73)/(33 - 16) | -0.0281176 |
| ND<0.25 U (5/5/2021) | 0.73 (12/7/2016) | (0.25 - 0.73)/(34 - 16) | -0.0266667 |
| 0.689 (9/2/2021) | 0.73 (12/7/2016) | (0.689 - 0.73)/(35 - 16) | -0.00215789 |
| ND<0.25 U (11/23/2021) | 0.73 (12/7/2016) | (0.25 - 0.73)/(36 - 16) | -0.024 |
| 0.55 (1/11/2022) | 0.73 (12/7/2016) | (0.55 - 0.73)/(37 - 16) | -0.00857143 |
| 0.329 (4/7/2022) | 0.73 (12/7/2016) | (0.329 - 0.73)/(38 - 16) | -0.0182273 |
| 0.273 (8/2/2022) | 0.73 (12/7/2016) | (0.273 - 0.73)/(39 - 16) | -0.0198696 |
| 0.604 (11/16/2022) | 0.73 (12/7/2016) | (0.604 - 0.73)/(40 - 16) | -0.00525 |
| 0.471 (2/14/2023) | 0.73 (12/7/2016) | (0.471 - 0.73)/(41 - 16) | -0.01036 |
| 0.502 (5/25/2023) | 0.73 (12/7/2016) | (0.502 - 0.73)/(42 - 16) | -0.00876923 |
| 0.578 (8/7/2023) | 0.73 (12/7/2016) | (0.578 - 0.73)/(43 - 16) | -0.00562963 |
| 0.383 (12/12/2023) | 0.73 (12/7/2016) | (0.383 - 0.73)/(44 - 16) | -0.0123929 |
| 0.305 (1/10/2024) | 0.73 (12/7/2016) | (0.305 - 0.73)/(45 - 16) | -0.0146552 |
| 0.357 (5/21/2024) | 0.73 (12/7/2016) | (0.357 - 0.73)/(46 - 16) | -0.0124333 |
| 0.637 (9/16/2024) | 0.73 (12/7/2016) | (0.637 - 0.73)/(47 - 16) | -0.003 |
| 0.352 (12/11/2024) | 0.73 (12/7/2016) | (0.352 - 0.73)/(48 - 16) | -0.0118125 |
| 0.373 (2/18/2025) | 0.73 (12/7/2016) | (0.373 - 0.73)/(49 - 16) | -0.0108182 |
| | | | |
| 0.81 (7/5/2017) | 0.97 (3/2/2017) | (0.81 - 0.97)/(18 - 17) | -0.16 |
| 0.76 (8/16/2017) | 0.97 (3/2/2017) | (0.76 - 0.97)/(19 - 17) | -0.105 |
| 0.32 (10/25/2017) | 0.97 (3/2/2017) | (0.32 - 0.97)/(20 - 17) | -0.216667 |
| ND<0.25 U (3/28/2018) | 0.97 (3/2/2017) | (0.25 - 0.97)/(21 - 17) | -0.18 |
| 0.464 (6/29/2018) | 0.97 (3/2/2017) | (0.464 - 0.97)/(22 - 17) | -0.1012 |
| 0.952 (8/2/2018) | 0.97 (3/2/2017) | (0.952 - 0.97)/(23 - 17) | -0.003 |
| 0.426 (12/10/2018) | 0.97 (3/2/2017) | (0.426 - 0.97)/(24 - 17) | -0.0777143 |
| ND<0.25 U (4/15/2019) | 0.97 (3/2/2017) | (0.25 - 0.97)/(25 - 17) | -0.09 |
| ND<0.25 U (6/12/2019) | 0.97 (3/2/2017) | (0.25 - 0.97)/(26 - 17) | -0.08 |
| 0.634 (8/27/2019) | 0.97 (3/2/2017) | (0.634 - 0.97)/(27 - 17) | -0.0336 |
| 0.517 (10/29/2019) | 0.97 (3/2/2017) | (0.517 - 0.97)/(28 - 17) | -0.0411818 |

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|---|---|---|---|
| 0.452 (3/30/2020) | 0.97 (3/2/2017) | (0.452 - 0.97)/(29 - 17) | -0.0431667 |
| 0.299 (6/16/2020) | 0.97 (3/2/2017) | (0.299 - 0.97)/(30 - 17) | -0.0516154 |
| 0.279 (9/21/2020) | 0.97 (3/2/2017) | (0.279 - 0.97)/(31 - 17) | -0.0493571 |
| 0.588 (12/17/2020) | 0.97 (3/2/2017) | (0.588 - 0.97)/(32 - 17) | -0.0254667 |
| 0.252 (3/18/2021) | 0.97 (3/2/2017) | (0.252 - 0.97)/(33 - 17) | -0.044875 |
| ND<0.25 U (5/5/2021) | 0.97 (3/2/2017) | (0.25 - 0.97)/(34 - 17) | -0.0423529 |
| 0.689 (9/2/2021) | 0.97 (3/2/2017) | (0.689 - 0.97)/(35 - 17) | -0.0156111 |
| ND<0.25 U (11/23/2021) | 0.97 (3/2/2017) | (0.25 - 0.97)/(36 - 17) | -0.0378947 |
| 0.55 (1/11/2022) | 0.97 (3/2/2017) | (0.55 - 0.97)/(37 - 17) | -0.021 |
| 0.329 (4/7/2022) | 0.97 (3/2/2017) | (0.329 - 0.97)/(38 - 17) | -0.0305238 |
| 0.273 (8/2/2022) | 0.97 (3/2/2017) | (0.273 - 0.97)/(39 - 17) | -0.0316818 |
| 0.604 (11/16/2022) | 0.97 (3/2/2017) | (0.604 - 0.97)/(40 - 17) | -0.015913 |
| 0.471 (2/14/2023) | 0.97 (3/2/2017) | (0.471 - 0.97)/(41 - 17) | -0.0207917 |
| 0.502 (5/25/2023) | 0.97 (3/2/2017) | (0.502 - 0.97)/(42 - 17) | -0.01872 |
| 0.578 (8/7/2023) | 0.97 (3/2/2017) | (0.578 - 0.97)/(43 - 17) | -0.0150769 |
| 0.383 (12/12/2023) | 0.97 (3/2/2017) | (0.383 - 0.97)/(44 - 17) | -0.0217407 |
| 0.305 (1/10/2024) | 0.97 (3/2/2017) | (0.305 - 0.97)/(45 - 17) | -0.02375 |
| 0.357 (5/21/2024) | 0.97 (3/2/2017) | (0.357 - 0.97)/(46 - 17) | -0.0211379 |
| 0.637 (9/16/2024) | 0.97 (3/2/2017) | (0.637 - 0.97)/(47 - 17) | -0.0111 |
| 0.352 (12/11/2024) | 0.97 (3/2/2017) | (0.352 - 0.97)/(48 - 17) | -0.0199355 |
| 0.373 (2/18/2025) | 0.97 (3/2/2017) | (0.373 - 0.97)/(49 - 17) | -0.0186562 |
| | | | |
| 0.76 (8/16/2017) | 0.81 (7/5/2017) | (0.76 - 0.81)/(19 - 18) | -0.05 |
| 0.32 (10/25/2017) | 0.81 (7/5/2017) | (0.32 - 0.81)/(20 - 18) | -0.245 |
| ND<0.25 U (3/28/2018) | 0.81 (7/5/2017) | (0.25 - 0.81)/(21 - 18) | -0.186667 |
| 0.464 (6/29/2018) | 0.81 (7/5/2017) | (0.464 - 0.81)/(22 - 18) | -0.0865 |
| 0.952 (8/2/2018) | 0.81 (7/5/2017) | (0.952 - 0.81)/(23 - 18) | 0.0284 |
| 0.426 (12/10/2018) | 0.81 (7/5/2017) | (0.426 - 0.81)/(24 - 18) | -0.064 |
| ND<0.25 U (4/15/2019) | 0.81 (7/5/2017) | (0.25 - 0.81)/(25 - 18) | -0.08 |
| ND<0.25 U (6/12/2019) | 0.81 (7/5/2017) | (0.25 - 0.81)/(26 - 18) | -0.07 |
| 0.634 (8/27/2019) | 0.81 (7/5/2017) | (0.634 - 0.81)/(27 - 18) | -0.0195556 |
| 0.517 (10/29/2019) | 0.81 (7/5/2017) | (0.517 - 0.81)/(28 - 18) | -0.0293 |
| 0.452 (3/30/2020) | 0.81 (7/5/2017) | (0.452 - 0.81)/(29 - 18) | -0.0325455 |
| 0.299 (6/16/2020) | 0.81 (7/5/2017) | (0.299 - 0.81)/(30 - 18) | -0.0425833 |
| 0.279 (9/21/2020) | 0.81 (7/5/2017) | (0.279 - 0.81)/(31 - 18) | -0.0408462 |
| 0.588 (12/17/2020) | 0.81 (7/5/2017) | (0.588 - 0.81)/(32 - 18) | -0.0158571 |
| 0.252 (3/18/2021) | 0.81 (7/5/2017) | (0.252 - 0.81)/(33 - 18) | -0.0372 |
| ND<0.25 U (5/5/2021) | 0.81 (7/5/2017) | (0.25 - 0.81)/(34 - 18) | -0.035 |
| 0.689 (9/2/2021) | 0.81 (7/5/2017) | (0.689 - 0.81)/(35 - 18) | -0.00711765 |
| ND<0.25 U (11/23/2021) | 0.81 (7/5/2017) | (0.25 - 0.81)/(36 - 18) | -0.0311111 |
| 0.55 (1/11/2022) | 0.81 (7/5/2017) | (0.55 - 0.81)/(37 - 18) | -0.0136842 |
| 0.329 (4/7/2022) | 0.81 (7/5/2017) | (0.329 - 0.81)/(38 - 18) | -0.02405 |
| 0.273 (8/2/2022) | 0.81 (7/5/2017) | (0.273 - 0.81)/(39 - 18) | -0.0255714 |
| 0.604 (11/16/2022) | 0.81 (7/5/2017) | (0.604 - 0.81)/(40 - 18) | -0.00936364 |
| 0.471 (2/14/2023) | 0.81 (7/5/2017) | (0.471 - 0.81)/(41 - 18) | -0.0147391 |
| 0.502 (5/25/2023) | 0.81 (7/5/2017) | (0.502 - 0.81)/(42 - 18) | -0.0128333 |
| 0.578 (8/7/2023) | 0.81 (7/5/2017) | (0.578 - 0.81)/(43 - 18) | -0.00928 |
| 0.383 (12/12/2023) | 0.81 (7/5/2017) | (0.383 - 0.81)/(44 - 18) | -0.0164231 |
| 0.305 (1/10/2024) | 0.81 (7/5/2017) | (0.305 - 0.81)/(45 - 18) | -0.0187037 |
| 0.357 (5/21/2024) | 0.81 (7/5/2017) | (0.357 - 0.81)/(46 - 18) | -0.0161786 |
| 0.637 (9/16/2024) | 0.81 (7/5/2017) | (0.637 - 0.81)/(47 - 18) | -0.00596552 |
| 0.352 (12/11/2024) | 0.81 (7/5/2017) | (0.352 - 0.81)/(48 - 18) | -0.0152667 |
| 0.373 (2/18/2025) | 0.81 (7/5/2017) | (0.373 - 0.81)/(49 - 18) | -0.0140968 |
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| 0.32 (10/25/2017) | 0.76 (8/16/2017) | (0.32 - 0.76)/(20 - 19) | -0.44 |
| ND<0.25 U (3/28/2018) | 0.76 (8/16/2017) | (0.25 - 0.76)/(21 - 19) | -0.255 |
| 0.464 (6/29/2018) | 0.76 (8/16/2017) | (0.464 - 0.76)/(22 - 19) | -0.0986667 |

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|---|---|---|---|
| 0.952 (8/2/2018) | 0.76 (8/16/2017) | (0.952 - 0.76)/(23 - 19) | 0.048 |
| 0.426 (12/10/2018) | 0.76 (8/16/2017) | (0.426 - 0.76)/(24 - 19) | -0.0668 |
| ND<0.25 U (4/15/2019) | 0.76 (8/16/2017) | (0.25 - 0.76)/(25 - 19) | -0.085 |
| ND<0.25 U (6/12/2019) | 0.76 (8/16/2017) | (0.25 - 0.76)/(26 - 19) | -0.0728571 |
| 0.634 (8/27/2019) | 0.76 (8/16/2017) | (0.634 - 0.76)/(27 - 19) | -0.01575 |
| 0.517 (10/29/2019) | 0.76 (8/16/2017) | (0.517 - 0.76)/(28 - 19) | -0.027 |
| 0.452 (3/30/2020) | 0.76 (8/16/2017) | (0.452 - 0.76)/(29 - 19) | -0.0308 |
| 0.299 (6/16/2020) | 0.76 (8/16/2017) | (0.299 - 0.76)/(30 - 19) | -0.0419091 |
| 0.279 (9/21/2020) | 0.76 (8/16/2017) | (0.279 - 0.76)/(31 - 19) | -0.0400833 |
| 0.588 (12/17/2020) | 0.76 (8/16/2017) | (0.588 - 0.76)/(32 - 19) | -0.0132308 |
| 0.252 (3/18/2021) | 0.76 (8/16/2017) | (0.252 - 0.76)/(33 - 19) | -0.0362857 |
| ND<0.25 U (5/5/2021) | 0.76 (8/16/2017) | (0.25 - 0.76)/(34 - 19) | -0.034 |
| 0.689 (9/2/2021) | 0.76 (8/16/2017) | (0.689 - 0.76)/(35 - 19) | -0.0044375 |
| ND<0.25 U (11/23/2021) | 0.76 (8/16/2017) | (0.25 - 0.76)/(36 - 19) | -0.03 |
| 0.55 (1/11/2022) | 0.76 (8/16/2017) | (0.55 - 0.76)/(37 - 19) | -0.0116667 |
| 0.329 (4/7/2022) | 0.76 (8/16/2017) | (0.329 - 0.76)/(38 - 19) | -0.0226842 |
| 0.273 (8/2/2022) | 0.76 (8/16/2017) | (0.273 - 0.76)/(39 - 19) | -0.02435 |
| 0.604 (11/16/2022) | 0.76 (8/16/2017) | (0.604 - 0.76)/(40 - 19) | -0.00742857 |
| 0.471 (2/14/2023) | 0.76 (8/16/2017) | (0.471 - 0.76)/(41 - 19) | -0.0131364 |
| 0.502 (5/25/2023) | 0.76 (8/16/2017) | (0.502 - 0.76)/(42 - 19) | -0.0112174 |
| 0.578 (8/7/2023) | 0.76 (8/16/2017) | (0.578 - 0.76)/(43 - 19) | -0.00758333 |
| 0.383 (12/12/2023) | 0.76 (8/16/2017) | (0.383 - 0.76)/(44 - 19) | -0.01508 |
| 0.305 (1/10/2024) | 0.76 (8/16/2017) | (0.305 - 0.76)/(45 - 19) | -0.0175 |
| 0.357 (5/21/2024) | 0.76 (8/16/2017) | (0.357 - 0.76)/(46 - 19) | -0.0149259 |
| 0.637 (9/16/2024) | 0.76 (8/16/2017) | (0.637 - 0.76)/(47 - 19) | -0.00439286 |
| 0.352 (12/11/2024) | 0.76 (8/16/2017) | (0.352 - 0.76)/(48 - 19) | -0.014069 |
| 0.373 (2/18/2025) | 0.76 (8/16/2017) | (0.373 - 0.76)/(49 - 19) | -0.0129 |

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|---|---|---|---|
| ND<0.25 U (3/28/2018) | 0.32 (10/25/2017) | (0.25 - 0.32)/(21 - 20) | -0.07 |
| 0.464 (6/29/2018) | 0.32 (10/25/2017) | (0.464 - 0.32)/(22 - 20) | 0.072 |
| 0.952 (8/2/2018) | 0.32 (10/25/2017) | (0.952 - 0.32)/(23 - 20) | 0.210667 |
| 0.426 (12/10/2018) | 0.32 (10/25/2017) | (0.426 - 0.32)/(24 - 20) | 0.0265 |
| ND<0.25 U (4/15/2019) | 0.32 (10/25/2017) | (0.25 - 0.32)/(25 - 20) | -0.014 |
| ND<0.25 U (6/12/2019) | 0.32 (10/25/2017) | (0.25 - 0.32)/(26 - 20) | -0.0116667 |
| 0.634 (8/27/2019) | 0.32 (10/25/2017) | (0.634 - 0.32)/(27 - 20) | 0.0448571 |
| 0.517 (10/29/2019) | 0.32 (10/25/2017) | (0.517 - 0.32)/(28 - 20) | 0.024625 |
| 0.452 (3/30/2020) | 0.32 (10/25/2017) | (0.452 - 0.32)/(29 - 20) | 0.0146667 |
| 0.299 (6/16/2020) | 0.32 (10/25/2017) | (0.299 - 0.32)/(30 - 20) | -0.0021 |
| 0.279 (9/21/2020) | 0.32 (10/25/2017) | (0.279 - 0.32)/(31 - 20) | -0.00372727 |
| 0.588 (12/17/2020) | 0.32 (10/25/2017) | (0.588 - 0.32)/(32 - 20) | 0.0223333 |
| 0.252 (3/18/2021) | 0.32 (10/25/2017) | (0.252 - 0.32)/(33 - 20) | -0.00523077 |
| ND<0.25 U (5/5/2021) | 0.32 (10/25/2017) | (0.25 - 0.32)/(34 - 20) | -0.005 |
| 0.689 (9/2/2021) | 0.32 (10/25/2017) | (0.689 - 0.32)/(35 - 20) | 0.0246 |
| ND<0.25 U (11/23/2021) | 0.32 (10/25/2017) | (0.25 - 0.32)/(36 - 20) | -0.004375 |
| 0.55 (1/11/2022) | 0.32 (10/25/2017) | (0.55 - 0.32)/(37 - 20) | 0.0135294 |
| 0.329 (4/7/2022) | 0.32 (10/25/2017) | (0.329 - 0.32)/(38 - 20) | 0.0005 |
| 0.273 (8/2/2022) | 0.32 (10/25/2017) | (0.273 - 0.32)/(39 - 20) | -0.00247368 |
| 0.604 (11/16/2022) | 0.32 (10/25/2017) | (0.604 - 0.32)/(40 - 20) | 0.0142 |
| 0.471 (2/14/2023) | 0.32 (10/25/2017) | (0.471 - 0.32)/(41 - 20) | 0.00719048 |
| 0.502 (5/25/2023) | 0.32 (10/25/2017) | (0.502 - 0.32)/(42 - 20) | 0.00827273 |
| 0.578 (8/7/2023) | 0.32 (10/25/2017) | (0.578 - 0.32)/(43 - 20) | 0.0112174 |
| 0.383 (12/12/2023) | 0.32 (10/25/2017) | (0.383 - 0.32)/(44 - 20) | 0.002625 |
| 0.305 (1/10/2024) | 0.32 (10/25/2017) | (0.305 - 0.32)/(45 - 20) | -0.0006 |
| 0.357 (5/21/2024) | 0.32 (10/25/2017) | (0.357 - 0.32)/(46 - 20) | 0.00142308 |
| 0.637 (9/16/2024) | 0.32 (10/25/2017) | (0.637 - 0.32)/(47 - 20) | 0.0117407 |
| 0.352 (12/11/2024) | 0.32 (10/25/2017) | (0.352 - 0.32)/(48 - 20) | 0.00114286 |
| 0.373 (2/18/2025) | 0.32 (10/25/2017) | (0.373 - 0.32)/(49 - 20) | 0.00182759 |

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|---|---|---|---|
| 0.464 (6/29/2018) | ND<0.25 U (3/28/2018) | (0.464 - 0.25)/(22 - 21) | 0.214 |
| 0.952 (8/2/2018) | ND<0.25 U (3/28/2018) | (0.952 - 0.25)/(23 - 21) | 0.351 |
| 0.426 (12/10/2018) | ND<0.25 U (3/28/2018) | (0.426 - 0.25)/(24 - 21) | 0.0586667 |
| ND<0.25 U (4/15/2019) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(25 - 21) | 0 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(26 - 21) | 0 |
| 0.634 (8/27/2019) | ND<0.25 U (3/28/2018) | (0.634 - 0.25)/(27 - 21) | 0.064 |
| 0.517 (10/29/2019) | ND<0.25 U (3/28/2018) | (0.517 - 0.25)/(28 - 21) | 0.0381429 |
| 0.452 (3/30/2020) | ND<0.25 U (3/28/2018) | (0.452 - 0.25)/(29 - 21) | 0.02525 |
| 0.299 (6/16/2020) | ND<0.25 U (3/28/2018) | (0.299 - 0.25)/(30 - 21) | 0.00544444 |
| 0.279 (9/21/2020) | ND<0.25 U (3/28/2018) | (0.279 - 0.25)/(31 - 21) | 0.0029 |
| 0.588 (12/17/2020) | ND<0.25 U (3/28/2018) | (0.588 - 0.25)/(32 - 21) | 0.0307273 |
| 0.252 (3/18/2021) | ND<0.25 U (3/28/2018) | (0.252 - 0.25)/(33 - 21) | 0.000166667 |
| ND<0.25 U (5/5/2021) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(34 - 21) | 0 |
| 0.689 (9/2/2021) | ND<0.25 U (3/28/2018) | (0.689 - 0.25)/(35 - 21) | 0.0313571 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(36 - 21) | 0 |
| 0.55 (1/11/2022) | ND<0.25 U (3/28/2018) | (0.55 - 0.25)/(37 - 21) | 0.01875 |
| 0.329 (4/7/2022) | ND<0.25 U (3/28/2018) | (0.329 - 0.25)/(38 - 21) | 0.00464706 |
| 0.273 (8/2/2022) | ND<0.25 U (3/28/2018) | (0.273 - 0.25)/(39 - 21) | 0.00127778 |
| 0.604 (11/16/2022) | ND<0.25 U (3/28/2018) | (0.604 - 0.25)/(40 - 21) | 0.0186316 |
| 0.471 (2/14/2023) | ND<0.25 U (3/28/2018) | (0.471 - 0.25)/(41 - 21) | 0.01105 |
| 0.502 (5/25/2023) | ND<0.25 U (3/28/2018) | (0.502 - 0.25)/(42 - 21) | 0.012 |
| 0.578 (8/7/2023) | ND<0.25 U (3/28/2018) | (0.578 - 0.25)/(43 - 21) | 0.0149091 |
| 0.383 (12/12/2023) | ND<0.25 U (3/28/2018) | (0.383 - 0.25)/(44 - 21) | 0.00578261 |
| 0.305 (1/10/2024) | ND<0.25 U (3/28/2018) | (0.305 - 0.25)/(45 - 21) | 0.00229167 |
| 0.357 (5/21/2024) | ND<0.25 U (3/28/2018) | (0.357 - 0.25)/(46 - 21) | 0.00428 |
| 0.637 (9/16/2024) | ND<0.25 U (3/28/2018) | (0.637 - 0.25)/(47 - 21) | 0.0148846 |
| 0.352 (12/11/2024) | ND<0.25 U (3/28/2018) | (0.352 - 0.25)/(48 - 21) | 0.00377778 |
| 0.373 (2/18/2025) | ND<0.25 U (3/28/2018) | (0.373 - 0.25)/(49 - 21) | 0.00439286 |

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|---|---|---|---|
| 0.952 (8/2/2018) | 0.464 (6/29/2018) | (0.952 - 0.464)/(23 - 22) | 0.488 |
| 0.426 (12/10/2018) | 0.464 (6/29/2018) | (0.426 - 0.464)/(24 - 22) | -0.019 |
| ND<0.25 U (4/15/2019) | 0.464 (6/29/2018) | (0.25 - 0.464)/(25 - 22) | -0.0713333 |
| ND<0.25 U (6/12/2019) | 0.464 (6/29/2018) | (0.25 - 0.464)/(26 - 22) | -0.0535 |
| 0.634 (8/27/2019) | 0.464 (6/29/2018) | (0.634 - 0.464)/(27 - 22) | 0.034 |
| 0.517 (10/29/2019) | 0.464 (6/29/2018) | (0.517 - 0.464)/(28 - 22) | 0.00883333 |
| 0.452 (3/30/2020) | 0.464 (6/29/2018) | (0.452 - 0.464)/(29 - 22) | -0.00171429 |
| 0.299 (6/16/2020) | 0.464 (6/29/2018) | (0.299 - 0.464)/(30 - 22) | -0.020625 |
| 0.279 (9/21/2020) | 0.464 (6/29/2018) | (0.279 - 0.464)/(31 - 22) | -0.0205556 |
| 0.588 (12/17/2020) | 0.464 (6/29/2018) | (0.588 - 0.464)/(32 - 22) | 0.0124 |
| 0.252 (3/18/2021) | 0.464 (6/29/2018) | (0.252 - 0.464)/(33 - 22) | -0.0192727 |
| ND<0.25 U (5/5/2021) | 0.464 (6/29/2018) | (0.25 - 0.464)/(34 - 22) | -0.0178333 |
| 0.689 (9/2/2021) | 0.464 (6/29/2018) | (0.689 - 0.464)/(35 - 22) | 0.0173077 |
| ND<0.25 U (11/23/2021) | 0.464 (6/29/2018) | (0.25 - 0.464)/(36 - 22) | -0.0152857 |
| 0.55 (1/11/2022) | 0.464 (6/29/2018) | (0.55 - 0.464)/(37 - 22) | 0.00573333 |
| 0.329 (4/7/2022) | 0.464 (6/29/2018) | (0.329 - 0.464)/(38 - 22) | -0.0084375 |
| 0.273 (8/2/2022) | 0.464 (6/29/2018) | (0.273 - 0.464)/(39 - 22) | -0.0112353 |
| 0.604 (11/16/2022) | 0.464 (6/29/2018) | (0.604 - 0.464)/(40 - 22) | 0.00777778 |
| 0.471 (2/14/2023) | 0.464 (6/29/2018) | (0.471 - 0.464)/(41 - 22) | 0.000368421 |
| 0.502 (5/25/2023) | 0.464 (6/29/2018) | (0.502 - 0.464)/(42 - 22) | 0.0019 |
| 0.578 (8/7/2023) | 0.464 (6/29/2018) | (0.578 - 0.464)/(43 - 22) | 0.00542857 |
| 0.383 (12/12/2023) | 0.464 (6/29/2018) | (0.383 - 0.464)/(44 - 22) | -0.00368182 |
| 0.305 (1/10/2024) | 0.464 (6/29/2018) | (0.305 - 0.464)/(45 - 22) | -0.00691304 |
| 0.357 (5/21/2024) | 0.464 (6/29/2018) | (0.357 - 0.464)/(46 - 22) | -0.00445833 |
| 0.637 (9/16/2024) | 0.464 (6/29/2018) | (0.637 - 0.464)/(47 - 22) | 0.00692 |
| 0.352 (12/11/2024) | 0.464 (6/29/2018) | (0.352 - 0.464)/(48 - 22) | -0.00430769 |
| 0.373 (2/18/2025) | 0.464 (6/29/2018) | (0.373 - 0.464)/(49 - 22) | -0.00337037 |

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|---|---|---|---|
| 0.426 (12/10/2018) | 0.952 (8/2/2018) | (0.426 - 0.952)/(24 - 23) | -0.526 |
| ND<0.25 U (4/15/2019) | 0.952 (8/2/2018) | (0.25 - 0.952)/(25 - 23) | -0.351 |
| ND<0.25 U (6/12/2019) | 0.952 (8/2/2018) | (0.25 - 0.952)/(26 - 23) | -0.234 |
| 0.634 (8/27/2019) | 0.952 (8/2/2018) | (0.634 - 0.952)/(27 - 23) | -0.0795 |
| 0.517 (10/29/2019) | 0.952 (8/2/2018) | (0.517 - 0.952)/(28 - 23) | -0.087 |
| 0.452 (3/30/2020) | 0.952 (8/2/2018) | (0.452 - 0.952)/(29 - 23) | -0.0833333 |
| 0.299 (6/16/2020) | 0.952 (8/2/2018) | (0.299 - 0.952)/(30 - 23) | -0.0932857 |
| 0.279 (9/21/2020) | 0.952 (8/2/2018) | (0.279 - 0.952)/(31 - 23) | -0.084125 |
| 0.588 (12/17/2020) | 0.952 (8/2/2018) | (0.588 - 0.952)/(32 - 23) | -0.0404444 |
| 0.252 (3/18/2021) | 0.952 (8/2/2018) | (0.252 - 0.952)/(33 - 23) | -0.07 |
| ND<0.25 U (5/5/2021) | 0.952 (8/2/2018) | (0.25 - 0.952)/(34 - 23) | -0.0638182 |
| 0.689 (9/2/2021) | 0.952 (8/2/2018) | (0.689 - 0.952)/(35 - 23) | -0.0219167 |
| ND<0.25 U (11/23/2021) | 0.952 (8/2/2018) | (0.25 - 0.952)/(36 - 23) | -0.054 |
| 0.55 (1/11/2022) | 0.952 (8/2/2018) | (0.55 - 0.952)/(37 - 23) | -0.0287143 |
| 0.329 (4/7/2022) | 0.952 (8/2/2018) | (0.329 - 0.952)/(38 - 23) | -0.0415333 |
| 0.273 (8/2/2022) | 0.952 (8/2/2018) | (0.273 - 0.952)/(39 - 23) | -0.0424375 |
| 0.604 (11/16/2022) | 0.952 (8/2/2018) | (0.604 - 0.952)/(40 - 23) | -0.0204706 |
| 0.471 (2/14/2023) | 0.952 (8/2/2018) | (0.471 - 0.952)/(41 - 23) | -0.0267222 |
| 0.502 (5/25/2023) | 0.952 (8/2/2018) | (0.502 - 0.952)/(42 - 23) | -0.0236842 |
| 0.578 (8/7/2023) | 0.952 (8/2/2018) | (0.578 - 0.952)/(43 - 23) | -0.0187 |
| 0.383 (12/12/2023) | 0.952 (8/2/2018) | (0.383 - 0.952)/(44 - 23) | -0.0270952 |
| 0.305 (1/10/2024) | 0.952 (8/2/2018) | (0.305 - 0.952)/(45 - 23) | -0.0294091 |
| 0.357 (5/21/2024) | 0.952 (8/2/2018) | (0.357 - 0.952)/(46 - 23) | -0.0258696 |
| 0.637 (9/16/2024) | 0.952 (8/2/2018) | (0.637 - 0.952)/(47 - 23) | -0.013125 |
| 0.352 (12/11/2024) | 0.952 (8/2/2018) | (0.352 - 0.952)/(48 - 23) | -0.024 |
| 0.373 (2/18/2025) | 0.952 (8/2/2018) | (0.373 - 0.952)/(49 - 23) | -0.0222692 |
| | | | |
| ND<0.25 U (4/15/2019) | 0.426 (12/10/2018) | (0.25 - 0.426)/(25 - 24) | -0.176 |
| ND<0.25 U (6/12/2019) | 0.426 (12/10/2018) | (0.25 - 0.426)/(26 - 24) | -0.088 |
| 0.634 (8/27/2019) | 0.426 (12/10/2018) | (0.634 - 0.426)/(27 - 24) | 0.0693333 |
| 0.517 (10/29/2019) | 0.426 (12/10/2018) | (0.517 - 0.426)/(28 - 24) | 0.02275 |
| 0.452 (3/30/2020) | 0.426 (12/10/2018) | (0.452 - 0.426)/(29 - 24) | 0.0052 |
| 0.299 (6/16/2020) | 0.426 (12/10/2018) | (0.299 - 0.426)/(30 - 24) | -0.0211667 |
| 0.279 (9/21/2020) | 0.426 (12/10/2018) | (0.279 - 0.426)/(31 - 24) | -0.021 |
| 0.588 (12/17/2020) | 0.426 (12/10/2018) | (0.588 - 0.426)/(32 - 24) | 0.02025 |
| 0.252 (3/18/2021) | 0.426 (12/10/2018) | (0.252 - 0.426)/(33 - 24) | -0.0193333 |
| ND<0.25 U (5/5/2021) | 0.426 (12/10/2018) | (0.25 - 0.426)/(34 - 24) | -0.0176 |
| 0.689 (9/2/2021) | 0.426 (12/10/2018) | (0.689 - 0.426)/(35 - 24) | 0.0239091 |
| ND<0.25 U (11/23/2021) | 0.426 (12/10/2018) | (0.25 - 0.426)/(36 - 24) | -0.0146667 |
| 0.55 (1/11/2022) | 0.426 (12/10/2018) | (0.55 - 0.426)/(37 - 24) | 0.00953846 |
| 0.329 (4/7/2022) | 0.426 (12/10/2018) | (0.329 - 0.426)/(38 - 24) | -0.00692857 |
| 0.273 (8/2/2022) | 0.426 (12/10/2018) | (0.273 - 0.426)/(39 - 24) | -0.0102 |
| 0.604 (11/16/2022) | 0.426 (12/10/2018) | (0.604 - 0.426)/(40 - 24) | 0.011125 |
| 0.471 (2/14/2023) | 0.426 (12/10/2018) | (0.471 - 0.426)/(41 - 24) | 0.00264706 |
| 0.502 (5/25/2023) | 0.426 (12/10/2018) | (0.502 - 0.426)/(42 - 24) | 0.00422222 |
| 0.578 (8/7/2023) | 0.426 (12/10/2018) | (0.578 - 0.426)/(43 - 24) | 0.008 |
| 0.383 (12/12/2023) | 0.426 (12/10/2018) | (0.383 - 0.426)/(44 - 24) | -0.00215 |
| 0.305 (1/10/2024) | 0.426 (12/10/2018) | (0.305 - 0.426)/(45 - 24) | -0.0057619 |
| 0.357 (5/21/2024) | 0.426 (12/10/2018) | (0.357 - 0.426)/(46 - 24) | -0.00313636 |
| 0.637 (9/16/2024) | 0.426 (12/10/2018) | (0.637 - 0.426)/(47 - 24) | 0.00917391 |
| 0.352 (12/11/2024) | 0.426 (12/10/2018) | (0.352 - 0.426)/(48 - 24) | -0.00308333 |
| 0.373 (2/18/2025) | 0.426 (12/10/2018) | (0.373 - 0.426)/(49 - 24) | -0.00212 |
| | | | |
| ND<0.25 U (6/12/2019) | ND<0.25 U (4/15/2019) | (0.25 - 0.25)/(26 - 25) | 0 |
| 0.634 (8/27/2019) | ND<0.25 U (4/15/2019) | (0.634 - 0.25)/(27 - 25) | 0.192 |
| 0.517 (10/29/2019) | ND<0.25 U (4/15/2019) | (0.517 - 0.25)/(28 - 25) | 0.089 |

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|---|---|---|---|
| 0.452 (3/30/2020) | ND<0.25 U (4/15/2019) | (0.452 - 0.25)/(29 - 25) | 0.0505 |
| 0.299 (6/16/2020) | ND<0.25 U (4/15/2019) | (0.299 - 0.25)/(30 - 25) | 0.0098 |
| 0.279 (9/21/2020) | ND<0.25 U (4/15/2019) | (0.279 - 0.25)/(31 - 25) | 0.00483333 |
| 0.588 (12/17/2020) | ND<0.25 U (4/15/2019) | (0.588 - 0.25)/(32 - 25) | 0.0482857 |
| 0.252 (3/18/2021) | ND<0.25 U (4/15/2019) | (0.252 - 0.25)/(33 - 25) | 0.00025 |
| ND<0.25 U (5/5/2021) | ND<0.25 U (4/15/2019) | (0.25 - 0.25)/(34 - 25) | 0 |
| 0.689 (9/2/2021) | ND<0.25 U (4/15/2019) | (0.689 - 0.25)/(35 - 25) | 0.0439 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (4/15/2019) | (0.25 - 0.25)/(36 - 25) | 0 |
| 0.55 (1/11/2022) | ND<0.25 U (4/15/2019) | (0.55 - 0.25)/(37 - 25) | 0.025 |
| 0.329 (4/7/2022) | ND<0.25 U (4/15/2019) | (0.329 - 0.25)/(38 - 25) | 0.00607692 |
| 0.273 (8/2/2022) | ND<0.25 U (4/15/2019) | (0.273 - 0.25)/(39 - 25) | 0.00164286 |
| 0.604 (11/16/2022) | ND<0.25 U (4/15/2019) | (0.604 - 0.25)/(40 - 25) | 0.0236 |
| 0.471 (2/14/2023) | ND<0.25 U (4/15/2019) | (0.471 - 0.25)/(41 - 25) | 0.0138125 |
| 0.502 (5/25/2023) | ND<0.25 U (4/15/2019) | (0.502 - 0.25)/(42 - 25) | 0.0148235 |
| 0.578 (8/7/2023) | ND<0.25 U (4/15/2019) | (0.578 - 0.25)/(43 - 25) | 0.0182222 |
| 0.383 (12/12/2023) | ND<0.25 U (4/15/2019) | (0.383 - 0.25)/(44 - 25) | 0.007 |
| 0.305 (1/10/2024) | ND<0.25 U (4/15/2019) | (0.305 - 0.25)/(45 - 25) | 0.00275 |
| 0.357 (5/21/2024) | ND<0.25 U (4/15/2019) | (0.357 - 0.25)/(46 - 25) | 0.00509524 |
| 0.637 (9/16/2024) | ND<0.25 U (4/15/2019) | (0.637 - 0.25)/(47 - 25) | 0.0175909 |
| 0.352 (12/11/2024) | ND<0.25 U (4/15/2019) | (0.352 - 0.25)/(48 - 25) | 0.00443478 |
| 0.373 (2/18/2025) | ND<0.25 U (4/15/2019) | (0.373 - 0.25)/(49 - 25) | 0.005125 |
| | | | |
| 0.634 (8/27/2019) | ND<0.25 U (6/12/2019) | (0.634 - 0.25)/(27 - 26) | 0.384 |
| 0.517 (10/29/2019) | ND<0.25 U (6/12/2019) | (0.517 - 0.25)/(28 - 26) | 0.1335 |
| 0.452 (3/30/2020) | ND<0.25 U (6/12/2019) | (0.452 - 0.25)/(29 - 26) | 0.0673333 |
| 0.299 (6/16/2020) | ND<0.25 U (6/12/2019) | (0.299 - 0.25)/(30 - 26) | 0.01225 |
| 0.279 (9/21/2020) | ND<0.25 U (6/12/2019) | (0.279 - 0.25)/(31 - 26) | 0.0058 |
| 0.588 (12/17/2020) | ND<0.25 U (6/12/2019) | (0.588 - 0.25)/(32 - 26) | 0.0563333 |
| 0.252 (3/18/2021) | ND<0.25 U (6/12/2019) | (0.252 - 0.25)/(33 - 26) | 0.000285714 |
| ND<0.25 U (5/5/2021) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(34 - 26) | 0 |
| 0.689 (9/2/2021) | ND<0.25 U (6/12/2019) | (0.689 - 0.25)/(35 - 26) | 0.0487778 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(36 - 26) | 0 |
| 0.55 (1/11/2022) | ND<0.25 U (6/12/2019) | (0.55 - 0.25)/(37 - 26) | 0.0272727 |
| 0.329 (4/7/2022) | ND<0.25 U (6/12/2019) | (0.329 - 0.25)/(38 - 26) | 0.00658333 |
| 0.273 (8/2/2022) | ND<0.25 U (6/12/2019) | (0.273 - 0.25)/(39 - 26) | 0.00176923 |
| 0.604 (11/16/2022) | ND<0.25 U (6/12/2019) | (0.604 - 0.25)/(40 - 26) | 0.0252857 |
| 0.471 (2/14/2023) | ND<0.25 U (6/12/2019) | (0.471 - 0.25)/(41 - 26) | 0.0147333 |
| 0.502 (5/25/2023) | ND<0.25 U (6/12/2019) | (0.502 - 0.25)/(42 - 26) | 0.01575 |
| 0.578 (8/7/2023) | ND<0.25 U (6/12/2019) | (0.578 - 0.25)/(43 - 26) | 0.0192941 |
| 0.383 (12/12/2023) | ND<0.25 U (6/12/2019) | (0.383 - 0.25)/(44 - 26) | 0.00738889 |
| 0.305 (1/10/2024) | ND<0.25 U (6/12/2019) | (0.305 - 0.25)/(45 - 26) | 0.00289474 |
| 0.357 (5/21/2024) | ND<0.25 U (6/12/2019) | (0.357 - 0.25)/(46 - 26) | 0.00535 |
| 0.637 (9/16/2024) | ND<0.25 U (6/12/2019) | (0.637 - 0.25)/(47 - 26) | 0.0184286 |
| 0.352 (12/11/2024) | ND<0.25 U (6/12/2019) | (0.352 - 0.25)/(48 - 26) | 0.00463636 |
| 0.373 (2/18/2025) | ND<0.25 U (6/12/2019) | (0.373 - 0.25)/(49 - 26) | 0.00534783 |
| | | | |
| 0.517 (10/29/2019) | 0.634 (8/27/2019) | (0.517 - 0.634)/(28 - 27) | -0.117 |
| 0.452 (3/30/2020) | 0.634 (8/27/2019) | (0.452 - 0.634)/(29 - 27) | -0.091 |
| 0.299 (6/16/2020) | 0.634 (8/27/2019) | (0.299 - 0.634)/(30 - 27) | -0.111667 |
| 0.279 (9/21/2020) | 0.634 (8/27/2019) | (0.279 - 0.634)/(31 - 27) | -0.08875 |
| 0.588 (12/17/2020) | 0.634 (8/27/2019) | (0.588 - 0.634)/(32 - 27) | -0.0092 |
| 0.252 (3/18/2021) | 0.634 (8/27/2019) | (0.252 - 0.634)/(33 - 27) | -0.0636667 |
| ND<0.25 U (5/5/2021) | 0.634 (8/27/2019) | (0.25 - 0.634)/(34 - 27) | -0.0548571 |
| 0.689 (9/2/2021) | 0.634 (8/27/2019) | (0.689 - 0.634)/(35 - 27) | 0.006875 |
| ND<0.25 U (11/23/2021) | 0.634 (8/27/2019) | (0.25 - 0.634)/(36 - 27) | -0.0426667 |
| 0.55 (1/11/2022) | 0.634 (8/27/2019) | (0.55 - 0.634)/(37 - 27) | -0.0084 |
| 0.329 (4/7/2022) | 0.634 (8/27/2019) | (0.329 - 0.634)/(38 - 27) | -0.0277273 |

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|---|---|---|---|
| 0.273 (8/2/2022) | 0.634 (8/27/2019) | (0.273 - 0.634)/(39 - 27) | -0.0300833 |
| 0.604 (11/16/2022) | 0.634 (8/27/2019) | (0.604 - 0.634)/(40 - 27) | -0.00230769 |
| 0.471 (2/14/2023) | 0.634 (8/27/2019) | (0.471 - 0.634)/(41 - 27) | -0.0116429 |
| 0.502 (5/25/2023) | 0.634 (8/27/2019) | (0.502 - 0.634)/(42 - 27) | -0.0088 |
| 0.578 (8/7/2023) | 0.634 (8/27/2019) | (0.578 - 0.634)/(43 - 27) | -0.0035 |
| 0.383 (12/12/2023) | 0.634 (8/27/2019) | (0.383 - 0.634)/(44 - 27) | -0.0147647 |
| 0.305 (1/10/2024) | 0.634 (8/27/2019) | (0.305 - 0.634)/(45 - 27) | -0.0182778 |
| 0.357 (5/21/2024) | 0.634 (8/27/2019) | (0.357 - 0.634)/(46 - 27) | -0.0145789 |
| 0.637 (9/16/2024) | 0.634 (8/27/2019) | (0.637 - 0.634)/(47 - 27) | 0.00015 |
| 0.352 (12/11/2024) | 0.634 (8/27/2019) | (0.352 - 0.634)/(48 - 27) | -0.0134286 |
| 0.373 (2/18/2025) | 0.634 (8/27/2019) | (0.373 - 0.634)/(49 - 27) | -0.0118636 |
| | | | |
| 0.452 (3/30/2020) | 0.517 (10/29/2019) | (0.452 - 0.517)/(29 - 28) | -0.065 |
| 0.299 (6/16/2020) | 0.517 (10/29/2019) | (0.299 - 0.517)/(30 - 28) | -0.109 |
| 0.279 (9/21/2020) | 0.517 (10/29/2019) | (0.279 - 0.517)/(31 - 28) | -0.0793333 |
| 0.588 (12/17/2020) | 0.517 (10/29/2019) | (0.588 - 0.517)/(32 - 28) | 0.01775 |
| 0.252 (3/18/2021) | 0.517 (10/29/2019) | (0.252 - 0.517)/(33 - 28) | -0.053 |
| ND<0.25 U (5/5/2021) | 0.517 (10/29/2019) | (0.25 - 0.517)/(34 - 28) | -0.0445 |
| 0.689 (9/2/2021) | 0.517 (10/29/2019) | (0.689 - 0.517)/(35 - 28) | 0.0245714 |
| ND<0.25 U (11/23/2021) | 0.517 (10/29/2019) | (0.25 - 0.517)/(36 - 28) | -0.033375 |
| 0.55 (1/11/2022) | 0.517 (10/29/2019) | (0.55 - 0.517)/(37 - 28) | 0.00366667 |
| 0.329 (4/7/2022) | 0.517 (10/29/2019) | (0.329 - 0.517)/(38 - 28) | -0.0188 |
| 0.273 (8/2/2022) | 0.517 (10/29/2019) | (0.273 - 0.517)/(39 - 28) | -0.0221818 |
| 0.604 (11/16/2022) | 0.517 (10/29/2019) | (0.604 - 0.517)/(40 - 28) | 0.00725 |
| 0.471 (2/14/2023) | 0.517 (10/29/2019) | (0.471 - 0.517)/(41 - 28) | -0.00353846 |
| 0.502 (5/25/2023) | 0.517 (10/29/2019) | (0.502 - 0.517)/(42 - 28) | -0.00107143 |
| 0.578 (8/7/2023) | 0.517 (10/29/2019) | (0.578 - 0.517)/(43 - 28) | 0.00406667 |
| 0.383 (12/12/2023) | 0.517 (10/29/2019) | (0.383 - 0.517)/(44 - 28) | -0.008375 |
| 0.305 (1/10/2024) | 0.517 (10/29/2019) | (0.305 - 0.517)/(45 - 28) | -0.0124706 |
| 0.357 (5/21/2024) | 0.517 (10/29/2019) | (0.357 - 0.517)/(46 - 28) | -0.00888889 |
| 0.637 (9/16/2024) | 0.517 (10/29/2019) | (0.637 - 0.517)/(47 - 28) | 0.00631579 |
| 0.352 (12/11/2024) | 0.517 (10/29/2019) | (0.352 - 0.517)/(48 - 28) | -0.00825 |
| 0.373 (2/18/2025) | 0.517 (10/29/2019) | (0.373 - 0.517)/(49 - 28) | -0.00685714 |
| | | | |
| 0.299 (6/16/2020) | 0.452 (3/30/2020) | (0.299 - 0.452)/(30 - 29) | -0.153 |
| 0.279 (9/21/2020) | 0.452 (3/30/2020) | (0.279 - 0.452)/(31 - 29) | -0.0865 |
| 0.588 (12/17/2020) | 0.452 (3/30/2020) | (0.588 - 0.452)/(32 - 29) | 0.0453333 |
| 0.252 (3/18/2021) | 0.452 (3/30/2020) | (0.252 - 0.452)/(33 - 29) | -0.05 |
| ND<0.25 U (5/5/2021) | 0.452 (3/30/2020) | (0.25 - 0.452)/(34 - 29) | -0.0404 |
| 0.689 (9/2/2021) | 0.452 (3/30/2020) | (0.689 - 0.452)/(35 - 29) | 0.0395 |
| ND<0.25 U (11/23/2021) | 0.452 (3/30/2020) | (0.25 - 0.452)/(36 - 29) | -0.0288571 |
| 0.55 (1/11/2022) | 0.452 (3/30/2020) | (0.55 - 0.452)/(37 - 29) | 0.01225 |
| 0.329 (4/7/2022) | 0.452 (3/30/2020) | (0.329 - 0.452)/(38 - 29) | -0.0136667 |
| 0.273 (8/2/2022) | 0.452 (3/30/2020) | (0.273 - 0.452)/(39 - 29) | -0.0179 |
| 0.604 (11/16/2022) | 0.452 (3/30/2020) | (0.604 - 0.452)/(40 - 29) | 0.0138182 |
| 0.471 (2/14/2023) | 0.452 (3/30/2020) | (0.471 - 0.452)/(41 - 29) | 0.00158333 |
| 0.502 (5/25/2023) | 0.452 (3/30/2020) | (0.502 - 0.452)/(42 - 29) | 0.00384615 |
| 0.578 (8/7/2023) | 0.452 (3/30/2020) | (0.578 - 0.452)/(43 - 29) | 0.009 |
| 0.383 (12/12/2023) | 0.452 (3/30/2020) | (0.383 - 0.452)/(44 - 29) | -0.0046 |
| 0.305 (1/10/2024) | 0.452 (3/30/2020) | (0.305 - 0.452)/(45 - 29) | -0.0091875 |
| 0.357 (5/21/2024) | 0.452 (3/30/2020) | (0.357 - 0.452)/(46 - 29) | -0.00558824 |
| 0.637 (9/16/2024) | 0.452 (3/30/2020) | (0.637 - 0.452)/(47 - 29) | 0.0102778 |
| 0.352 (12/11/2024) | 0.452 (3/30/2020) | (0.352 - 0.452)/(48 - 29) | -0.00526316 |
| 0.373 (2/18/2025) | 0.452 (3/30/2020) | (0.373 - 0.452)/(49 - 29) | -0.00395 |
| | | | |
| 0.279 (9/21/2020) | 0.299 (6/16/2020) | (0.279 - 0.299)/(31 - 30) | -0.02 |
| 0.588 (12/17/2020) | 0.299 (6/16/2020) | (0.588 - 0.299)/(32 - 30) | 0.1445 |

| | | | |
|---|---|---|---|
| 0.252 (3/18/2021) | 0.299 (6/16/2020) | (0.252 - 0.299)/(33 - 30) | -0.0156667 |
| ND<0.25 U (5/5/2021) | 0.299 (6/16/2020) | (0.25 - 0.299)/(34 - 30) | -0.01225 |
| 0.689 (9/2/2021) | 0.299 (6/16/2020) | (0.689 - 0.299)/(35 - 30) | 0.078 |
| ND<0.25 U (11/23/2021) | 0.299 (6/16/2020) | (0.25 - 0.299)/(36 - 30) | -0.00816667 |
| 0.55 (1/11/2022) | 0.299 (6/16/2020) | (0.55 - 0.299)/(37 - 30) | 0.0358571 |
| 0.329 (4/7/2022) | 0.299 (6/16/2020) | (0.329 - 0.299)/(38 - 30) | 0.00375 |
| 0.273 (8/2/2022) | 0.299 (6/16/2020) | (0.273 - 0.299)/(39 - 30) | -0.00288889 |
| 0.604 (11/16/2022) | 0.299 (6/16/2020) | (0.604 - 0.299)/(40 - 30) | 0.0305 |
| 0.471 (2/14/2023) | 0.299 (6/16/2020) | (0.471 - 0.299)/(41 - 30) | 0.0156364 |
| 0.502 (5/25/2023) | 0.299 (6/16/2020) | (0.502 - 0.299)/(42 - 30) | 0.0169167 |
| 0.578 (8/7/2023) | 0.299 (6/16/2020) | (0.578 - 0.299)/(43 - 30) | 0.0214615 |
| 0.383 (12/12/2023) | 0.299 (6/16/2020) | (0.383 - 0.299)/(44 - 30) | 0.006 |
| 0.305 (1/10/2024) | 0.299 (6/16/2020) | (0.305 - 0.299)/(45 - 30) | 0.0004 |
| 0.357 (5/21/2024) | 0.299 (6/16/2020) | (0.357 - 0.299)/(46 - 30) | 0.003625 |
| 0.637 (9/16/2024) | 0.299 (6/16/2020) | (0.637 - 0.299)/(47 - 30) | 0.0198824 |
| 0.352 (12/11/2024) | 0.299 (6/16/2020) | (0.352 - 0.299)/(48 - 30) | 0.00294444 |
| 0.373 (2/18/2025) | 0.299 (6/16/2020) | (0.373 - 0.299)/(49 - 30) | 0.00389474 |
| | | | |
| 0.588 (12/17/2020) | 0.279 (9/21/2020) | (0.588 - 0.279)/(32 - 31) | 0.309 |
| 0.252 (3/18/2021) | 0.279 (9/21/2020) | (0.252 - 0.279)/(33 - 31) | -0.0135 |
| ND<0.25 U (5/5/2021) | 0.279 (9/21/2020) | (0.25 - 0.279)/(34 - 31) | -0.00966667 |
| 0.689 (9/2/2021) | 0.279 (9/21/2020) | (0.689 - 0.279)/(35 - 31) | 0.1025 |
| ND<0.25 U (11/23/2021) | 0.279 (9/21/2020) | (0.25 - 0.279)/(36 - 31) | -0.0058 |
| 0.55 (1/11/2022) | 0.279 (9/21/2020) | (0.55 - 0.279)/(37 - 31) | 0.0451667 |
| 0.329 (4/7/2022) | 0.279 (9/21/2020) | (0.329 - 0.279)/(38 - 31) | 0.00714286 |
| 0.273 (8/2/2022) | 0.279 (9/21/2020) | (0.273 - 0.279)/(39 - 31) | -0.00075 |
| 0.604 (11/16/2022) | 0.279 (9/21/2020) | (0.604 - 0.279)/(40 - 31) | 0.0361111 |
| 0.471 (2/14/2023) | 0.279 (9/21/2020) | (0.471 - 0.279)/(41 - 31) | 0.0192 |
| 0.502 (5/25/2023) | 0.279 (9/21/2020) | (0.502 - 0.279)/(42 - 31) | 0.0202727 |
| 0.578 (8/7/2023) | 0.279 (9/21/2020) | (0.578 - 0.279)/(43 - 31) | 0.0249167 |
| 0.383 (12/12/2023) | 0.279 (9/21/2020) | (0.383 - 0.279)/(44 - 31) | 0.008 |
| 0.305 (1/10/2024) | 0.279 (9/21/2020) | (0.305 - 0.279)/(45 - 31) | 0.00185714 |
| 0.357 (5/21/2024) | 0.279 (9/21/2020) | (0.357 - 0.279)/(46 - 31) | 0.0052 |
| 0.637 (9/16/2024) | 0.279 (9/21/2020) | (0.637 - 0.279)/(47 - 31) | 0.022375 |
| 0.352 (12/11/2024) | 0.279 (9/21/2020) | (0.352 - 0.279)/(48 - 31) | 0.00429412 |
| 0.373 (2/18/2025) | 0.279 (9/21/2020) | (0.373 - 0.279)/(49 - 31) | 0.00522222 |
| | | | |
| 0.252 (3/18/2021) | 0.588 (12/17/2020) | (0.252 - 0.588)/(33 - 32) | -0.336 |
| ND<0.25 U (5/5/2021) | 0.588 (12/17/2020) | (0.25 - 0.588)/(34 - 32) | -0.169 |
| 0.689 (9/2/2021) | 0.588 (12/17/2020) | (0.689 - 0.588)/(35 - 32) | 0.0336667 |
| ND<0.25 U (11/23/2021) | 0.588 (12/17/2020) | (0.25 - 0.588)/(36 - 32) | -0.0845 |
| 0.55 (1/11/2022) | 0.588 (12/17/2020) | (0.55 - 0.588)/(37 - 32) | -0.0076 |
| 0.329 (4/7/2022) | 0.588 (12/17/2020) | (0.329 - 0.588)/(38 - 32) | -0.0431667 |
| 0.273 (8/2/2022) | 0.588 (12/17/2020) | (0.273 - 0.588)/(39 - 32) | -0.045 |
| 0.604 (11/16/2022) | 0.588 (12/17/2020) | (0.604 - 0.588)/(40 - 32) | 0.002 |
| 0.471 (2/14/2023) | 0.588 (12/17/2020) | (0.471 - 0.588)/(41 - 32) | -0.013 |
| 0.502 (5/25/2023) | 0.588 (12/17/2020) | (0.502 - 0.588)/(42 - 32) | -0.0086 |
| 0.578 (8/7/2023) | 0.588 (12/17/2020) | (0.578 - 0.588)/(43 - 32) | -0.000909091 |
| 0.383 (12/12/2023) | 0.588 (12/17/2020) | (0.383 - 0.588)/(44 - 32) | -0.0170833 |
| 0.305 (1/10/2024) | 0.588 (12/17/2020) | (0.305 - 0.588)/(45 - 32) | -0.0217692 |
| 0.357 (5/21/2024) | 0.588 (12/17/2020) | (0.357 - 0.588)/(46 - 32) | -0.0165 |
| 0.637 (9/16/2024) | 0.588 (12/17/2020) | (0.637 - 0.588)/(47 - 32) | 0.00326667 |
| 0.352 (12/11/2024) | 0.588 (12/17/2020) | (0.352 - 0.588)/(48 - 32) | -0.01475 |
| 0.373 (2/18/2025) | 0.588 (12/17/2020) | (0.373 - 0.588)/(49 - 32) | -0.0126471 |
| | | | |
| ND<0.25 U (5/5/2021) | 0.252 (3/18/2021) | (0.25 - 0.252)/(34 - 33) | -0.002 |
| 0.689 (9/2/2021) | 0.252 (3/18/2021) | (0.689 - 0.252)/(35 - 33) | 0.2185 |

| | | | |
|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.252 (3/18/2021) | (0.25 - 0.252)/(36 - 33) | -0.000666667 |
| 0.55 (1/11/2022) | 0.252 (3/18/2021) | (0.55 - 0.252)/(37 - 33) | 0.0745 |
| 0.329 (4/7/2022) | 0.252 (3/18/2021) | (0.329 - 0.252)/(38 - 33) | 0.0154 |
| 0.273 (8/2/2022) | 0.252 (3/18/2021) | (0.273 - 0.252)/(39 - 33) | 0.0035 |
| 0.604 (11/16/2022) | 0.252 (3/18/2021) | (0.604 - 0.252)/(40 - 33) | 0.0502857 |
| 0.471 (2/14/2023) | 0.252 (3/18/2021) | (0.471 - 0.252)/(41 - 33) | 0.027375 |
| 0.502 (5/25/2023) | 0.252 (3/18/2021) | (0.502 - 0.252)/(42 - 33) | 0.0277778 |
| 0.578 (8/7/2023) | 0.252 (3/18/2021) | (0.578 - 0.252)/(43 - 33) | 0.0326 |
| 0.383 (12/12/2023) | 0.252 (3/18/2021) | (0.383 - 0.252)/(44 - 33) | 0.0119091 |
| 0.305 (1/10/2024) | 0.252 (3/18/2021) | (0.305 - 0.252)/(45 - 33) | 0.00441667 |
| 0.357 (5/21/2024) | 0.252 (3/18/2021) | (0.357 - 0.252)/(46 - 33) | 0.00807692 |
| 0.637 (9/16/2024) | 0.252 (3/18/2021) | (0.637 - 0.252)/(47 - 33) | 0.0275 |
| 0.352 (12/11/2024) | 0.252 (3/18/2021) | (0.352 - 0.252)/(48 - 33) | 0.00666667 |
| 0.373 (2/18/2025) | 0.252 (3/18/2021) | (0.373 - 0.252)/(49 - 33) | 0.0075625 |
| | | | |
| 0.689 (9/2/2021) | ND<0.25 U (5/5/2021) | (0.689 - 0.25)/(35 - 34) | 0.439 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (5/5/2021) | (0.25 - 0.25)/(36 - 34) | 0 |
| 0.55 (1/11/2022) | ND<0.25 U (5/5/2021) | (0.55 - 0.25)/(37 - 34) | 0.1 |
| 0.329 (4/7/2022) | ND<0.25 U (5/5/2021) | (0.329 - 0.25)/(38 - 34) | 0.01975 |
| 0.273 (8/2/2022) | ND<0.25 U (5/5/2021) | (0.273 - 0.25)/(39 - 34) | 0.0046 |
| 0.604 (11/16/2022) | ND<0.25 U (5/5/2021) | (0.604 - 0.25)/(40 - 34) | 0.059 |
| 0.471 (2/14/2023) | ND<0.25 U (5/5/2021) | (0.471 - 0.25)/(41 - 34) | 0.0315714 |
| 0.502 (5/25/2023) | ND<0.25 U (5/5/2021) | (0.502 - 0.25)/(42 - 34) | 0.0315 |
| 0.578 (8/7/2023) | ND<0.25 U (5/5/2021) | (0.578 - 0.25)/(43 - 34) | 0.0364444 |
| 0.383 (12/12/2023) | ND<0.25 U (5/5/2021) | (0.383 - 0.25)/(44 - 34) | 0.0133 |
| 0.305 (1/10/2024) | ND<0.25 U (5/5/2021) | (0.305 - 0.25)/(45 - 34) | 0.005 |
| 0.357 (5/21/2024) | ND<0.25 U (5/5/2021) | (0.357 - 0.25)/(46 - 34) | 0.00891667 |
| 0.637 (9/16/2024) | ND<0.25 U (5/5/2021) | (0.637 - 0.25)/(47 - 34) | 0.0297692 |
| 0.352 (12/11/2024) | ND<0.25 U (5/5/2021) | (0.352 - 0.25)/(48 - 34) | 0.00728571 |
| 0.373 (2/18/2025) | ND<0.25 U (5/5/2021) | (0.373 - 0.25)/(49 - 34) | 0.0082 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.689 (9/2/2021) | (0.25 - 0.689)/(36 - 35) | -0.439 |
| 0.55 (1/11/2022) | 0.689 (9/2/2021) | (0.55 - 0.689)/(37 - 35) | -0.0695 |
| 0.329 (4/7/2022) | 0.689 (9/2/2021) | (0.329 - 0.689)/(38 - 35) | -0.12 |
| 0.273 (8/2/2022) | 0.689 (9/2/2021) | (0.273 - 0.689)/(39 - 35) | -0.104 |
| 0.604 (11/16/2022) | 0.689 (9/2/2021) | (0.604 - 0.689)/(40 - 35) | -0.017 |
| 0.471 (2/14/2023) | 0.689 (9/2/2021) | (0.471 - 0.689)/(41 - 35) | -0.0363333 |
| 0.502 (5/25/2023) | 0.689 (9/2/2021) | (0.502 - 0.689)/(42 - 35) | -0.0267143 |
| 0.578 (8/7/2023) | 0.689 (9/2/2021) | (0.578 - 0.689)/(43 - 35) | -0.013875 |
| 0.383 (12/12/2023) | 0.689 (9/2/2021) | (0.383 - 0.689)/(44 - 35) | -0.034 |
| 0.305 (1/10/2024) | 0.689 (9/2/2021) | (0.305 - 0.689)/(45 - 35) | -0.0384 |
| 0.357 (5/21/2024) | 0.689 (9/2/2021) | (0.357 - 0.689)/(46 - 35) | -0.0301818 |
| 0.637 (9/16/2024) | 0.689 (9/2/2021) | (0.637 - 0.689)/(47 - 35) | -0.00433333 |
| 0.352 (12/11/2024) | 0.689 (9/2/2021) | (0.352 - 0.689)/(48 - 35) | -0.0259231 |
| 0.373 (2/18/2025) | 0.689 (9/2/2021) | (0.373 - 0.689)/(49 - 35) | -0.0225714 |
| | | | |
| 0.55 (1/11/2022) | ND<0.25 U (11/23/2021) | (0.55 - 0.25)/(37 - 36) | 0.3 |
| 0.329 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.329 - 0.25)/(38 - 36) | 0.0395 |
| 0.273 (8/2/2022) | ND<0.25 U (11/23/2021) | (0.273 - 0.25)/(39 - 36) | 0.00766667 |
| 0.604 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.604 - 0.25)/(40 - 36) | 0.0885 |
| 0.471 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.471 - 0.25)/(41 - 36) | 0.0442 |
| 0.502 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.502 - 0.25)/(42 - 36) | 0.042 |
| 0.578 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.578 - 0.25)/(43 - 36) | 0.0468571 |
| 0.383 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.383 - 0.25)/(44 - 36) | 0.016625 |
| 0.305 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.305 - 0.25)/(45 - 36) | 0.00611111 |
| 0.357 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.357 - 0.25)/(46 - 36) | 0.0107 |
| 0.637 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.637 - 0.25)/(47 - 36) | 0.0351818 |

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|---|---|---|---|
| 0.352 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.352 - 0.25)/(48 - 36) | 0.0085 |
| 0.373 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.373 - 0.25)/(49 - 36) | 0.00946154 |
| | | | |
| 0.329 (4/7/2022) | 0.55 (1/11/2022) | (0.329 - 0.55)/(38 - 37) | -0.221 |
| 0.273 (8/2/2022) | 0.55 (1/11/2022) | (0.273 - 0.55)/(39 - 37) | -0.1385 |
| 0.604 (11/16/2022) | 0.55 (1/11/2022) | (0.604 - 0.55)/(40 - 37) | 0.018 |
| 0.471 (2/14/2023) | 0.55 (1/11/2022) | (0.471 - 0.55)/(41 - 37) | -0.01975 |
| 0.502 (5/25/2023) | 0.55 (1/11/2022) | (0.502 - 0.55)/(42 - 37) | -0.0096 |
| 0.578 (8/7/2023) | 0.55 (1/11/2022) | (0.578 - 0.55)/(43 - 37) | 0.00466667 |
| 0.383 (12/12/2023) | 0.55 (1/11/2022) | (0.383 - 0.55)/(44 - 37) | -0.0238571 |
| 0.305 (1/10/2024) | 0.55 (1/11/2022) | (0.305 - 0.55)/(45 - 37) | -0.030625 |
| 0.357 (5/21/2024) | 0.55 (1/11/2022) | (0.357 - 0.55)/(46 - 37) | -0.0214444 |
| 0.637 (9/16/2024) | 0.55 (1/11/2022) | (0.637 - 0.55)/(47 - 37) | 0.0087 |
| 0.352 (12/11/2024) | 0.55 (1/11/2022) | (0.352 - 0.55)/(48 - 37) | -0.018 |
| 0.373 (2/18/2025) | 0.55 (1/11/2022) | (0.373 - 0.55)/(49 - 37) | -0.01475 |
| | | | |
| 0.273 (8/2/2022) | 0.329 (4/7/2022) | (0.273 - 0.329)/(39 - 38) | -0.056 |
| 0.604 (11/16/2022) | 0.329 (4/7/2022) | (0.604 - 0.329)/(40 - 38) | 0.1375 |
| 0.471 (2/14/2023) | 0.329 (4/7/2022) | (0.471 - 0.329)/(41 - 38) | 0.0473333 |
| 0.502 (5/25/2023) | 0.329 (4/7/2022) | (0.502 - 0.329)/(42 - 38) | 0.04325 |
| 0.578 (8/7/2023) | 0.329 (4/7/2022) | (0.578 - 0.329)/(43 - 38) | 0.0498 |
| 0.383 (12/12/2023) | 0.329 (4/7/2022) | (0.383 - 0.329)/(44 - 38) | 0.009 |
| 0.305 (1/10/2024) | 0.329 (4/7/2022) | (0.305 - 0.329)/(45 - 38) | -0.00342857 |
| 0.357 (5/21/2024) | 0.329 (4/7/2022) | (0.357 - 0.329)/(46 - 38) | 0.0035 |
| 0.637 (9/16/2024) | 0.329 (4/7/2022) | (0.637 - 0.329)/(47 - 38) | 0.0342222 |
| 0.352 (12/11/2024) | 0.329 (4/7/2022) | (0.352 - 0.329)/(48 - 38) | 0.0023 |
| 0.373 (2/18/2025) | 0.329 (4/7/2022) | (0.373 - 0.329)/(49 - 38) | 0.004 |
| | | | |
| 0.604 (11/16/2022) | 0.273 (8/2/2022) | (0.604 - 0.273)/(40 - 39) | 0.331 |
| 0.471 (2/14/2023) | 0.273 (8/2/2022) | (0.471 - 0.273)/(41 - 39) | 0.099 |
| 0.502 (5/25/2023) | 0.273 (8/2/2022) | (0.502 - 0.273)/(42 - 39) | 0.0763333 |
| 0.578 (8/7/2023) | 0.273 (8/2/2022) | (0.578 - 0.273)/(43 - 39) | 0.07625 |
| 0.383 (12/12/2023) | 0.273 (8/2/2022) | (0.383 - 0.273)/(44 - 39) | 0.022 |
| 0.305 (1/10/2024) | 0.273 (8/2/2022) | (0.305 - 0.273)/(45 - 39) | 0.00533333 |
| 0.357 (5/21/2024) | 0.273 (8/2/2022) | (0.357 - 0.273)/(46 - 39) | 0.012 |
| 0.637 (9/16/2024) | 0.273 (8/2/2022) | (0.637 - 0.273)/(47 - 39) | 0.0455 |
| 0.352 (12/11/2024) | 0.273 (8/2/2022) | (0.352 - 0.273)/(48 - 39) | 0.00877778 |
| 0.373 (2/18/2025) | 0.273 (8/2/2022) | (0.373 - 0.273)/(49 - 39) | 0.01 |
| | | | |
| 0.471 (2/14/2023) | 0.604 (11/16/2022) | (0.471 - 0.604)/(41 - 40) | -0.133 |
| 0.502 (5/25/2023) | 0.604 (11/16/2022) | (0.502 - 0.604)/(42 - 40) | -0.051 |
| 0.578 (8/7/2023) | 0.604 (11/16/2022) | (0.578 - 0.604)/(43 - 40) | -0.00866667 |
| 0.383 (12/12/2023) | 0.604 (11/16/2022) | (0.383 - 0.604)/(44 - 40) | -0.05525 |
| 0.305 (1/10/2024) | 0.604 (11/16/2022) | (0.305 - 0.604)/(45 - 40) | -0.0598 |
| 0.357 (5/21/2024) | 0.604 (11/16/2022) | (0.357 - 0.604)/(46 - 40) | -0.0411667 |
| 0.637 (9/16/2024) | 0.604 (11/16/2022) | (0.637 - 0.604)/(47 - 40) | 0.00471429 |
| 0.352 (12/11/2024) | 0.604 (11/16/2022) | (0.352 - 0.604)/(48 - 40) | -0.0315 |
| 0.373 (2/18/2025) | 0.604 (11/16/2022) | (0.373 - 0.604)/(49 - 40) | -0.0256667 |
| | | | |
| 0.502 (5/25/2023) | 0.471 (2/14/2023) | (0.502 - 0.471)/(42 - 41) | 0.031 |
| 0.578 (8/7/2023) | 0.471 (2/14/2023) | (0.578 - 0.471)/(43 - 41) | 0.0535 |
| 0.383 (12/12/2023) | 0.471 (2/14/2023) | (0.383 - 0.471)/(44 - 41) | -0.0293333 |
| 0.305 (1/10/2024) | 0.471 (2/14/2023) | (0.305 - 0.471)/(45 - 41) | -0.0415 |
| 0.357 (5/21/2024) | 0.471 (2/14/2023) | (0.357 - 0.471)/(46 - 41) | -0.0228 |
| 0.637 (9/16/2024) | 0.471 (2/14/2023) | (0.637 - 0.471)/(47 - 41) | 0.0276667 |
| 0.352 (12/11/2024) | 0.471 (2/14/2023) | (0.352 - 0.471)/(48 - 41) | -0.017 |
| 0.373 (2/18/2025) | 0.471 (2/14/2023) | (0.373 - 0.471)/(49 - 41) | -0.01225 |

| | | | |
|---|---|---|---|
| 0.578 (8/7/2023) | 0.502 (5/25/2023) | (0.578 - 0.502)/(43 - 42) | 0.076 |
| 0.383 (12/12/2023) | 0.502 (5/25/2023) | (0.383 - 0.502)/(44 - 42) | -0.0595 |
| 0.305 (1/10/2024) | 0.502 (5/25/2023) | (0.305 - 0.502)/(45 - 42) | -0.0656667 |
| 0.357 (5/21/2024) | 0.502 (5/25/2023) | (0.357 - 0.502)/(46 - 42) | -0.03625 |
| 0.637 (9/16/2024) | 0.502 (5/25/2023) | (0.637 - 0.502)/(47 - 42) | 0.027 |
| 0.352 (12/11/2024) | 0.502 (5/25/2023) | (0.352 - 0.502)/(48 - 42) | -0.025 |
| 0.373 (2/18/2025) | 0.502 (5/25/2023) | (0.373 - 0.502)/(49 - 42) | -0.0184286 |
| | | | |
| 0.383 (12/12/2023) | 0.578 (8/7/2023) | (0.383 - 0.578)/(44 - 43) | -0.195 |
| 0.305 (1/10/2024) | 0.578 (8/7/2023) | (0.305 - 0.578)/(45 - 43) | -0.1365 |
| 0.357 (5/21/2024) | 0.578 (8/7/2023) | (0.357 - 0.578)/(46 - 43) | -0.0736667 |
| 0.637 (9/16/2024) | 0.578 (8/7/2023) | (0.637 - 0.578)/(47 - 43) | 0.01475 |
| 0.352 (12/11/2024) | 0.578 (8/7/2023) | (0.352 - 0.578)/(48 - 43) | -0.0452 |
| 0.373 (2/18/2025) | 0.578 (8/7/2023) | (0.373 - 0.578)/(49 - 43) | -0.0341667 |
| | | | |
| 0.305 (1/10/2024) | 0.383 (12/12/2023) | (0.305 - 0.383)/(45 - 44) | -0.078 |
| 0.357 (5/21/2024) | 0.383 (12/12/2023) | (0.357 - 0.383)/(46 - 44) | -0.013 |
| 0.637 (9/16/2024) | 0.383 (12/12/2023) | (0.637 - 0.383)/(47 - 44) | 0.0846667 |
| 0.352 (12/11/2024) | 0.383 (12/12/2023) | (0.352 - 0.383)/(48 - 44) | -0.00775 |
| 0.373 (2/18/2025) | 0.383 (12/12/2023) | (0.373 - 0.383)/(49 - 44) | -0.002 |
| | | | |
| 0.357 (5/21/2024) | 0.305 (1/10/2024) | (0.357 - 0.305)/(46 - 45) | 0.052 |
| 0.637 (9/16/2024) | 0.305 (1/10/2024) | (0.637 - 0.305)/(47 - 45) | 0.166 |
| 0.352 (12/11/2024) | 0.305 (1/10/2024) | (0.352 - 0.305)/(48 - 45) | 0.0156667 |
| 0.373 (2/18/2025) | 0.305 (1/10/2024) | (0.373 - 0.305)/(49 - 45) | 0.017 |
| | | | |
| 0.637 (9/16/2024) | 0.357 (5/21/2024) | (0.637 - 0.357)/(47 - 46) | 0.28 |
| 0.352 (12/11/2024) | 0.357 (5/21/2024) | (0.352 - 0.357)/(48 - 46) | -0.0025 |
| 0.373 (2/18/2025) | 0.357 (5/21/2024) | (0.373 - 0.357)/(49 - 46) | 0.00533333 |
| | | | |
| 0.352 (12/11/2024) | 0.637 (9/16/2024) | (0.352 - 0.637)/(48 - 47) | -0.285 |
| 0.373 (2/18/2025) | 0.637 (9/16/2024) | (0.373 - 0.637)/(49 - 47) | -0.132 |
| | | | |
| 0.373 (2/18/2025) | 0.352 (12/11/2024) | (0.373 - 0.352)/(49 - 48) | 0.021 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.66 |
| 2 | -0.526 |
| 3 | -0.44 |
| 4 | -0.439 |
| 5 | -0.351 |
| 6 | -0.336 |
| 7 | -0.33 |
| 8 | -0.285 |
| 9 | -0.255 |
| 10 | -0.25 |
| 11 | -0.245 |
| 12 | -0.234 |
| 13 | -0.23 |
| 14 | -0.221 |
| 15 | -0.216667 |
| 16 | -0.205 |

| | |
|---|---|
| 17 | -0.195 |
| 18 | -0.186667 |
| 19 | -0.18 |
| 20 | -0.176 |
| 21 | -0.169 |
| 22 | -0.16 |
| 23 | -0.153 |
| 24 | -0.1385 |
| 25 | -0.136667 |
| 26 | -0.1365 |
| 27 | -0.133333 |
| 28 | -0.133 |
| 29 | -0.132 |
| 30 | -0.125 |
| 31 | -0.12 |
| 32 | -0.117 |
| 33 | -0.115 |
| 34 | -0.115 |
| 35 | -0.115 |
| 36 | -0.111667 |
| 37 | -0.109 |
| 38 | -0.105 |
| 39 | -0.104 |
| 40 | -0.1025 |
| 41 | -0.1012 |
| 42 | -0.0986667 |
| 43 | -0.096 |
| 44 | -0.0932857 |
| 45 | -0.092 |
| 46 | -0.091 |
| 47 | -0.09 |
| 48 | -0.08875 |
| 49 | -0.088 |
| 50 | -0.087 |
| 51 | -0.0865 |
| 52 | -0.0865 |
| 53 | -0.085 |
| 54 | -0.0845 |
| 55 | -0.084125 |
| 56 | -0.0833333 |
| 57 | -0.08 |
| 58 | -0.08 |
| 59 | -0.0795 |
| 60 | -0.0793333 |
| 61 | -0.078 |
| 62 | -0.0777143 |
| 63 | -0.0766667 |
| 64 | -0.0766667 |
| 65 | -0.076 |
| 66 | -0.075 |
| 67 | -0.0736667 |
| 68 | -0.0728571 |
| 69 | -0.0713333 |
| 70 | -0.07 |
| 71 | -0.07 |
| 72 | -0.07 |
| 73 | -0.07 |

| | |
|---|---|
| 74 | -0.07 |
| 75 | -0.0695 |
| 76 | -0.0668 |
| 77 | -0.066 |
| 78 | -0.0656667 |
| 79 | -0.0655556 |
| 80 | -0.065 |
| 81 | -0.064 |
| 82 | -0.0638182 |
| 83 | -0.0636667 |
| 84 | -0.0598 |
| 85 | -0.0595 |
| 86 | -0.0583333 |
| 87 | -0.0575 |
| 88 | -0.056 |
| 89 | -0.0557143 |
| 90 | -0.05525 |
| 91 | -0.0548571 |
| 92 | -0.054 |
| 93 | -0.0535 |
| 94 | -0.0533333 |
| 95 | -0.053 |
| 96 | -0.0527273 |
| 97 | -0.0525 |
| 98 | -0.0525 |
| 99 | -0.0516154 |
| 100 | -0.051 |
| 101 | -0.05 |
| 102 | -0.05 |
| 103 | -0.0493571 |
| 104 | -0.0483333 |
| 105 | -0.048 |
| 106 | -0.0475 |
| 107 | -0.0471429 |
| 108 | -0.0466667 |
| 109 | -0.04625 |
| 110 | -0.04625 |
| 111 | -0.046 |
| 112 | -0.0452 |
| 113 | -0.045 |
| 114 | -0.045 |
| 115 | -0.045 |
| 116 | -0.044875 |
| 117 | -0.0445 |
| 118 | -0.0443333 |
| 119 | -0.044 |
| 120 | -0.0431667 |
| 121 | -0.0431667 |
| 122 | -0.0426667 |
| 123 | -0.0425833 |
| 124 | -0.0424375 |
| 125 | -0.0423529 |
| 126 | -0.0419091 |
| 127 | -0.0415333 |
| 128 | -0.0415 |
| 129 | -0.0411818 |
| 130 | -0.0411667 |

| | |
|---|---|
| 131 | -0.0411111 |
| 132 | -0.0409091 |
| 133 | -0.0408462 |
| 134 | -0.0405455 |
| 135 | -0.0404444 |
| 136 | -0.0404 |
| 137 | -0.0400833 |
| 138 | -0.04 |
| 139 | -0.0388889 |
| 140 | -0.0384 |
| 141 | -0.0383333 |
| 142 | -0.038 |
| 143 | -0.038 |
| 144 | -0.0378947 |
| 145 | -0.0375 |
| 146 | -0.0372727 |
| 147 | -0.0372308 |
| 148 | -0.0372 |
| 149 | -0.0371429 |
| 150 | -0.0363333 |
| 151 | -0.0362857 |
| 152 | -0.03625 |
| 153 | -0.036 |
| 154 | -0.035 |
| 155 | -0.035 |
| 156 | -0.035 |
| 157 | -0.0341667 |
| 158 | -0.034 |
| 159 | -0.034 |
| 160 | -0.034 |
| 161 | -0.0337143 |
| 162 | -0.0336 |
| 163 | -0.033375 |
| 164 | -0.0325455 |
| 165 | -0.0321579 |
| 166 | -0.032 |
| 167 | -0.032 |
| 168 | -0.0318182 |
| 169 | -0.0316818 |
| 170 | -0.0316667 |
| 171 | -0.03155 |
| 172 | -0.0315 |
| 173 | -0.0311111 |
| 174 | -0.0308 |
| 175 | -0.0307857 |
| 176 | -0.030625 |
| 177 | -0.0305238 |
| 178 | -0.0304444 |
| 179 | -0.0301818 |
| 180 | -0.0300833 |
| 181 | -0.0300667 |
| 182 | -0.03 |
| 183 | -0.03 |
| 184 | -0.0299091 |
| 185 | -0.0294091 |
| 186 | -0.0293333 |
| 187 | -0.0293 |

| | |
|---|---|
| 188 | -0.029 |
| 189 | -0.0288571 |
| 190 | -0.0287143 |
| 191 | -0.0286957 |
| 192 | -0.0281176 |
| 193 | -0.0277273 |
| 194 | -0.0273333 |
| 195 | -0.0270952 |
| 196 | -0.027 |
| 197 | -0.0268421 |
| 198 | -0.0267333 |
| 199 | -0.0267222 |
| 200 | -0.0267143 |
| 201 | -0.0266667 |
| 202 | -0.0266667 |
| 203 | -0.0264 |
| 204 | -0.0263125 |
| 205 | -0.0259231 |
| 206 | -0.0258696 |
| 207 | -0.0256667 |
| 208 | -0.025625 |
| 209 | -0.0255714 |
| 210 | -0.0254667 |
| 211 | -0.0254444 |
| 212 | -0.025 |
| 213 | -0.0248889 |
| 214 | -0.0246154 |
| 215 | -0.02435 |
| 216 | -0.0241667 |
| 217 | -0.02405 |
| 218 | -0.024 |
| 219 | -0.024 |
| 220 | -0.024 |
| 221 | -0.0238571 |
| 222 | -0.02375 |
| 223 | -0.0236842 |
| 224 | -0.0236842 |
| 225 | -0.0236364 |
| 226 | -0.0233333 |
| 227 | -0.0232 |
| 228 | -0.0231176 |
| 229 | -0.0228 |
| 230 | -0.02275 |
| 231 | -0.0226842 |
| 232 | -0.0225714 |
| 233 | -0.0222692 |
| 234 | -0.0221818 |
| 235 | -0.0219167 |
| 236 | -0.0217692 |
| 237 | -0.0217647 |
| 238 | -0.0217407 |
| 239 | -0.0216667 |
| 240 | -0.0215185 |
| 241 | -0.0214444 |
| 242 | -0.0214286 |
| 243 | -0.0213846 |
| 244 | -0.0211667 |

| | |
|---|---|
| 245 | -0.0211379 |
| 246 | -0.021 |
| 247 | -0.021 |
| 248 | -0.0207917 |
| 249 | -0.020625 |
| 250 | -0.0205556 |
| 251 | -0.0204706 |
| 252 | -0.02 |
| 253 | -0.02 |
| 254 | -0.02 |
| 255 | -0.0199355 |
| 256 | -0.0198696 |
| 257 | -0.01975 |
| 258 | -0.0195556 |
| 259 | -0.0194444 |
| 260 | -0.0193333 |
| 261 | -0.0192727 |
| 262 | -0.019 |
| 263 | -0.0188889 |
| 264 | -0.0188 |
| 265 | -0.01875 |
| 266 | -0.01875 |
| 267 | -0.01872 |
| 268 | -0.0187037 |
| 269 | -0.0187 |
| 270 | -0.0186562 |
| 271 | -0.0184286 |
| 272 | -0.0184211 |
| 273 | -0.0183667 |
| 274 | -0.0183103 |
| 275 | -0.0182778 |
| 276 | -0.0182273 |
| 277 | -0.0181429 |
| 278 | -0.0180625 |
| 279 | -0.01805 |
| 280 | -0.018 |
| 281 | -0.0179 |
| 282 | -0.0178333 |
| 283 | -0.0177941 |
| 284 | -0.0177917 |
| 285 | -0.01775 |
| 286 | -0.0177391 |
| 287 | -0.0177143 |
| 288 | -0.017619 |
| 289 | -0.0176 |
| 290 | -0.0175758 |
| 291 | -0.0175652 |
| 292 | -0.0175 |
| 293 | -0.0175 |
| 294 | -0.0174286 |
| 295 | -0.01725 |
| 296 | -0.0171429 |
| 297 | -0.0171429 |
| 298 | -0.0170833 |
| 299 | -0.0170833 |
| 300 | -0.017 |
| 301 | -0.017 |

| | |
|---|---|
| 302 | -0.0168182 |
| 303 | -0.0167143 |
| 304 | -0.0165714 |
| 305 | -0.0165 |
| 306 | -0.0164706 |
| 307 | -0.0164286 |
| 308 | -0.0164231 |
| 309 | -0.0163333 |
| 310 | -0.0161786 |
| 311 | -0.0161304 |
| 312 | -0.0159697 |
| 313 | -0.015913 |
| 314 | -0.0159091 |
| 315 | -0.0158571 |
| 316 | -0.0158 |
| 317 | -0.0157692 |
| 318 | -0.01575 |
| 319 | -0.0156667 |
| 320 | -0.0156111 |
| 321 | -0.0155556 |
| 322 | -0.0153333 |
| 323 | -0.0152857 |
| 324 | -0.0152667 |
| 325 | -0.0152174 |
| 326 | -0.0152174 |
| 327 | -0.0150811 |
| 328 | -0.01508 |
| 329 | -0.0150769 |
| 330 | -0.015 |
| 331 | -0.0149259 |
| 332 | -0.0147647 |
| 333 | -0.01475 |
| 334 | -0.01475 |
| 335 | -0.0147391 |
| 336 | -0.0146667 |
| 337 | -0.0146579 |
| 338 | -0.0146552 |
| 339 | -0.0146333 |
| 340 | -0.0146154 |
| 341 | -0.0145833 |
| 342 | -0.0145789 |
| 343 | -0.0142857 |
| 344 | -0.0141316 |
| 345 | -0.0140968 |
| 346 | -0.0140769 |
| 347 | -0.014069 |
| 348 | -0.014 |
| 349 | -0.013875 |
| 350 | -0.0138462 |
| 351 | -0.0136842 |
| 352 | -0.0136667 |
| 353 | -0.0135882 |
| 354 | -0.0135789 |
| 355 | -0.0135405 |
| 356 | -0.0135 |
| 357 | -0.0135 |
| 358 | -0.0134286 |

| | |
|---|---|
| 359 | -0.0133448 |
| 360 | -0.0132308 |
| 361 | -0.0131875 |
| 362 | -0.0131667 |
| 363 | -0.0131613 |
| 364 | -0.0131364 |
| 365 | -0.013125 |
| 366 | -0.013125 |
| 367 | -0.013 |
| 368 | -0.013 |
| 369 | -0.013 |
| 370 | -0.0129 |
| 371 | -0.0128333 |
| 372 | -0.0127778 |
| 373 | -0.0127273 |
| 374 | -0.0126897 |
| 375 | -0.0126471 |
| 376 | -0.0126296 |
| 377 | -0.0124706 |
| 378 | -0.0124333 |
| 379 | -0.0123929 |
| 380 | -0.0123529 |
| 381 | -0.0123462 |
| 382 | -0.0123333 |
| 383 | -0.0123077 |
| 384 | -0.01225 |
| 385 | -0.01225 |
| 386 | -0.0121053 |
| 387 | -0.0119318 |
| 388 | -0.0118636 |
| 389 | -0.0118214 |
| 390 | -0.0118182 |
| 391 | -0.0118125 |
| 392 | -0.0116667 |
| 393 | -0.0116667 |
| 394 | -0.0116429 |
| 395 | -0.0116 |
| 396 | -0.0115926 |
| 397 | -0.0115625 |
| 398 | -0.0114643 |
| 399 | -0.0112903 |
| 400 | -0.0112353 |
| 401 | -0.0112258 |
| 402 | -0.0112174 |
| 403 | -0.0111765 |
| 404 | -0.0111481 |
| 405 | -0.0111 |
| 406 | -0.011069 |
| 407 | -0.0110645 |
| 408 | -0.011 |
| 409 | -0.0109474 |
| 410 | -0.0109375 |
| 411 | -0.010931 |
| 412 | -0.0108182 |
| 413 | -0.01075 |
| 414 | -0.0106061 |
| 415 | -0.0105556 |

| | |
|---|---|
| 416 | -0.0105517 |
| 417 | -0.0105455 |
| 418 | -0.0105111 |
| 419 | -0.0103953 |
| 420 | -0.010375 |
| 421 | -0.01036 |
| 422 | -0.0102941 |
| 423 | -0.0102 |
| 424 | -0.0101702 |
| 425 | -0.0101429 |
| 426 | -0.01 |
| 427 | -0.01 |
| 428 | -0.00991429 |
| 429 | -0.0097 |
| 430 | -0.00966667 |
| 431 | -0.00961765 |
| 432 | -0.0096 |
| 433 | -0.00952083 |
| 434 | -0.00948 |
| 435 | -0.00936364 |
| 436 | -0.00928571 |
| 437 | -0.00928 |
| 438 | -0.00920833 |
| 439 | -0.0092 |
| 440 | -0.0091875 |
| 441 | -0.00908333 |
| 442 | -0.008975 |
| 443 | -0.00888889 |
| 444 | -0.008875 |
| 445 | -0.00883784 |
| 446 | -0.00880769 |
| 447 | -0.0088 |
| 448 | -0.00876923 |
| 449 | -0.00876923 |
| 450 | -0.00872727 |
| 451 | -0.00866667 |
| 452 | -0.00866667 |
| 453 | -0.00866667 |
| 454 | -0.0086 |
| 455 | -0.00857143 |
| 456 | -0.00855882 |
| 457 | -0.00851852 |
| 458 | -0.0084375 |
| 459 | -0.00841667 |
| 460 | -0.0084 |
| 461 | -0.0084 |
| 462 | -0.0084 |
| 463 | -0.008375 |
| 464 | -0.008375 |
| 465 | -0.00828571 |
| 466 | -0.00825 |
| 467 | -0.00822727 |
| 468 | -0.00818182 |
| 469 | -0.00816667 |
| 470 | -0.00814706 |
| 471 | -0.00810526 |
| 472 | -0.008 |

| | |
|---|---|
| 473 | -0.008 |
| 474 | -0.00794444 |
| 475 | -0.00793103 |
| 476 | -0.00790909 |
| 477 | -0.00786957 |
| 478 | -0.00780645 |
| 479 | -0.00777778 |
| 480 | -0.00777778 |
| 481 | -0.00775 |
| 482 | -0.00774286 |
| 483 | -0.00768293 |
| 484 | -0.00766667 |
| 485 | -0.0076 |
| 486 | -0.00758333 |
| 487 | -0.00758333 |
| 488 | -0.00754167 |
| 489 | -0.00753846 |
| 490 | -0.00752778 |
| 491 | -0.00752 |
| 492 | -0.0075 |
| 493 | -0.0075 |
| 494 | -0.00742857 |
| 495 | -0.00735897 |
| 496 | -0.00733333 |
| 497 | -0.00730769 |
| 498 | -0.00715789 |
| 499 | -0.00711765 |
| 500 | -0.00702381 |
| 501 | -0.007 |
| 502 | -0.00692857 |
| 503 | -0.00691304 |
| 504 | -0.00686047 |
| 505 | -0.00685714 |
| 506 | -0.00681818 |
| 507 | -0.0068 |
| 508 | -0.00678571 |
| 509 | -0.00672 |
| 510 | -0.00666667 |
| 511 | -0.0066129 |
| 512 | -0.00658824 |
| 513 | -0.00646875 |
| 514 | -0.00640909 |
| 515 | -0.00631579 |
| 516 | -0.0062619 |
| 517 | -0.00623333 |
| 518 | -0.00609677 |
| 519 | -0.00609091 |
| 520 | -0.006 |
| 521 | -0.006 |
| 522 | -0.006 |
| 523 | -0.00596552 |
| 524 | -0.005925 |
| 525 | -0.0058 |
| 526 | -0.00579487 |
| 527 | -0.0057619 |
| 528 | -0.00575 |
| 529 | -0.00571429 |

| | |
|---|---|
| 530 | -0.00569231 |
| 531 | -0.00565116 |
| 532 | -0.00562963 |
| 533 | -0.00558824 |
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| 538 | -0.00548148 |
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| 561 | -0.00435714 |
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| 566 | -0.00428571 |
| 567 | -0.00423333 |
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| 587 | -0.00353846 |
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| 593 | -0.00333333 |
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| 598 | -0.00317647 |
| 599 | -0.00315385 |
| 600 | -0.00313636 |
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| 602 | -0.00310526 |
| 603 | -0.00308333 |
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| 623 | -0.0022 |
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| 627 | -0.00215 |
| 628 | -0.00212121 |
| 629 | -0.00212 |
| 630 | -0.0021 |
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| 632 | -0.002 |
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| 636 | -0.00166667 |
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| 644 | -0.00128125 |
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| 646 | -0.00124242 |
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| 648 | -0.00114286 |
| 649 | -0.00107692 |
| 650 | -0.00107143 |
| 651 | -0.00106667 |
| 652 | -0.000909091 |
| 653 | -0.000875 |
| 654 | -0.00075 |
| 655 | -0.000666667 |
| 656 | -0.000621622 |
| 657 | -0.0006 |
| 658 | -0.00055 |
| 659 | -0.00055 |
| 660 | -0.000536585 |
| 661 | -0.000444444 |
| 662 | -0.000428571 |
| 663 | -0.000418605 |
| 664 | -0.000413793 |
| 665 | -0.0004 |
| 666 | -0.0004 |
| 667 | -0.000325 |
| 668 | -0.000317073 |
| 669 | -0.000285714 |
| 670 | -0.000264706 |
| 671 | 0 |
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| 673 | 0 |
| 674 | 0 |
| 675 | 0 |
| 676 | 0 |
| 677 | 0 |
| 678 | 0 |
| 679 | 0 |
| 680 | 0 |
| 681 | 0 |
| 682 | 0 |
| 683 | 0 |
| 684 | 0 |
| 685 | 0 |
| 686 | 0 |
| 687 | 0 |
| 688 | 0 |
| 689 | 0 |
| 690 | 0 |
| 691 | 0 |
| 692 | 0 |
| 693 | 0 |
| 694 | 6.81818e-05 |
| 695 | 6.97674e-05 |
| 696 | 9.52381e-05 |
| 697 | 0.0001 |
| 698 | 0.000105263 |
| 699 | 0.000108108 |
| 700 | 0.00015 |

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| 701 | 0.000166667 |
| 702 | 0.00025 |
| 703 | 0.000285714 |
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| 705 | 0.000333333 |
| 706 | 0.000342105 |
| 707 | 0.00034375 |
| 708 | 0.000368421 |
| 709 | 0.000395349 |
| 710 | 0.0004 |
| 711 | 0.0005 |
| 712 | 0.0005 |
| 713 | 0.000571429 |
| 714 | 0.000608696 |
| 715 | 0.000628571 |
| 716 | 0.000822222 |
| 717 | 0.000840909 |
| 718 | 0.000851852 |
| 719 | 0.000884615 |
| 720 | 0.000939394 |
| 721 | 0.00114286 |
| 722 | 0.00116 |
| 723 | 0.00127273 |
| 724 | 0.00127778 |
| 725 | 0.00136 |
| 726 | 0.00141667 |
| 727 | 0.00142308 |
| 728 | 0.00152632 |
| 729 | 0.00158333 |
| 730 | 0.00161111 |
| 731 | 0.00164286 |
| 732 | 0.00166667 |
| 733 | 0.00171429 |
| 734 | 0.00171875 |
| 735 | 0.00173913 |
| 736 | 0.0017619 |
| 737 | 0.00176923 |
| 738 | 0.00182353 |
| 739 | 0.00182759 |
| 740 | 0.00185714 |
| 741 | 0.0019 |
| 742 | 0.002 |
| 743 | 0.00222581 |
| 744 | 0.00229167 |
| 745 | 0.0023 |
| 746 | 0.00233333 |
| 747 | 0.00234483 |
| 748 | 0.002625 |
| 749 | 0.00264706 |
| 750 | 0.00269697 |
| 751 | 0.00272222 |
| 752 | 0.00272222 |
| 753 | 0.00275 |
| 754 | 0.00278125 |
| 755 | 0.00280556 |
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| 757 | 0.00288235 |

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| 758 | 0.00288571 |
| 759 | 0.00289474 |
| 760 | 0.0029 |
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| 762 | 0.00294444 |
| 763 | 0.00294737 |
| 764 | 0.003 |
| 765 | 0.00303846 |
| 766 | 0.00311111 |
| 767 | 0.00314706 |
| 768 | 0.00316 |
| 769 | 0.00321429 |
| 770 | 0.00324242 |
| 771 | 0.00326667 |
| 772 | 0.00332432 |
| 773 | 0.00341667 |
| 774 | 0.00341667 |
| 775 | 0.00347059 |
| 776 | 0.0035 |
| 777 | 0.0035 |
| 778 | 0.0035 |
| 779 | 0.00356522 |
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| 781 | 0.00361538 |
| 782 | 0.003625 |
| 783 | 0.00366667 |
| 784 | 0.00366667 |
| 785 | 0.00375 |
| 786 | 0.00375758 |
| 787 | 0.00377778 |
| 788 | 0.0037931 |
| 789 | 0.00384615 |
| 790 | 0.00384848 |
| 791 | 0.00385 |
| 792 | 0.00389474 |
| 793 | 0.003925 |
| 794 | 0.00394286 |
| 795 | 0.004 |
| 796 | 0.00406667 |
| 797 | 0.00415625 |
| 798 | 0.00422222 |
| 799 | 0.00428 |
| 800 | 0.00428571 |
| 801 | 0.00429032 |
| 802 | 0.00429412 |
| 803 | 0.00432 |
| 804 | 0.00433333 |
| 805 | 0.00439286 |
| 806 | 0.00441667 |
| 807 | 0.00443478 |
| 808 | 0.0046 |
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| 810 | 0.00464516 |
| 811 | 0.00464706 |
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| 821 | 0.0052 |
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| 828 | 0.00542857 |
| 829 | 0.00544444 |
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| 850 | 0.00666667 |
| 851 | 0.00666667 |
| 852 | 0.00668182 |
| 853 | 0.00668571 |
| 854 | 0.006875 |
| 855 | 0.00688235 |
| 856 | 0.00692 |
| 857 | 0.007 |
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| 860 | 0.00725 |
| 861 | 0.00727273 |
| 862 | 0.00728571 |
| 863 | 0.00738889 |
| 864 | 0.00746429 |
| 865 | 0.0075 |
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| 867 | 0.00762069 |
| 868 | 0.00766667 |
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| 872 | 0.00789286 |
| 873 | 0.008 |
| 874 | 0.008 |
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| 876 | 0.008 |
| 877 | 0.00807407 |
| 878 | 0.00807692 |
| 879 | 0.0082 |
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| 881 | 0.00833333 |
| 882 | 0.00838462 |
| 883 | 0.0084 |
| 884 | 0.0085 |
| 885 | 0.00852381 |
| 886 | 0.00857143 |
| 887 | 0.00868966 |
| 888 | 0.0087 |
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| 891 | 0.00877778 |
| 892 | 0.00880769 |
| 893 | 0.00883333 |
| 894 | 0.00891667 |
| 895 | 0.009 |
| 896 | 0.009 |
| 897 | 0.00916667 |
| 898 | 0.00917391 |
| 899 | 0.00922222 |
| 900 | 0.00928571 |
| 901 | 0.00933333 |
| 902 | 0.00941176 |
| 903 | 0.00946154 |
| 904 | 0.00953846 |
| 905 | 0.00953846 |
| 906 | 0.00966667 |
| 907 | 0.0098 |
| 908 | 0.01 |
| 909 | 0.01 |
| 910 | 0.01 |
| 911 | 0.01 |
| 912 | 0.01 |
| 913 | 0.01 |
| 914 | 0.01 |
| 915 | 0.01 |
| 916 | 0.0102105 |
| 917 | 0.0102778 |
| 918 | 0.0105806 |
| 919 | 0.0106333 |
| 920 | 0.0107 |
| 921 | 0.0109333 |
| 922 | 0.011 |
| 923 | 0.01105 |
| 924 | 0.0110571 |
| 925 | 0.0111111 |
| 926 | 0.011125 |
| 927 | 0.0112174 |
| 928 | 0.0113824 |

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|---|---|
| 929 | 0.0116667 |
| 930 | 0.0116667 |
| 931 | 0.0117407 |
| 932 | 0.0118824 |
| 933 | 0.0119091 |
| 934 | 0.012 |
| 935 | 0.012 |
| 936 | 0.012 |
| 937 | 0.012 |
| 938 | 0.01225 |
| 939 | 0.01225 |
| 940 | 0.0124 |
| 941 | 0.0125 |
| 942 | 0.0125714 |
| 943 | 0.012625 |
| 944 | 0.0126429 |
| 945 | 0.0131111 |
| 946 | 0.013125 |
| 947 | 0.0133 |
| 948 | 0.0135294 |
| 949 | 0.0135714 |
| 950 | 0.0138125 |
| 951 | 0.0138182 |
| 952 | 0.014 |
| 953 | 0.0142 |
| 954 | 0.0146667 |
| 955 | 0.0146667 |
| 956 | 0.0147333 |
| 957 | 0.01475 |
| 958 | 0.0148235 |
| 959 | 0.0148846 |
| 960 | 0.0149091 |
| 961 | 0.015 |
| 962 | 0.0154 |
| 963 | 0.0155556 |
| 964 | 0.0156364 |
| 965 | 0.0156667 |
| 966 | 0.01575 |
| 967 | 0.016 |
| 968 | 0.016625 |
| 969 | 0.0166875 |
| 970 | 0.0167619 |
| 971 | 0.0169 |
| 972 | 0.0169167 |
| 973 | 0.017 |
| 974 | 0.0173077 |
| 975 | 0.0174737 |
| 976 | 0.0175 |
| 977 | 0.0175909 |
| 978 | 0.0176 |
| 979 | 0.01775 |
| 980 | 0.0177895 |
| 981 | 0.0178 |
| 982 | 0.018 |
| 983 | 0.0182222 |
| 984 | 0.0184286 |
| 985 | 0.0186316 |

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| 986 | 0.01875 |
| 987 | 0.01875 |
| 988 | 0.019087 |
| 989 | 0.0192 |
| 990 | 0.0192941 |
| 991 | 0.01975 |
| 992 | 0.0198824 |
| 993 | 0.0199545 |
| 994 | 0.02 |
| 995 | 0.02 |
| 996 | 0.02025 |
| 997 | 0.0202727 |
| 998 | 0.021 |
| 999 | 0.0214 |
| 1000 | 0.0214615 |
| 1001 | 0.022 |
| 1002 | 0.0223333 |
| 1003 | 0.022375 |
| 1004 | 0.0224615 |
| 1005 | 0.0225 |
| 1006 | 0.02275 |
| 1007 | 0.0233333 |
| 1008 | 0.0233333 |
| 1009 | 0.0236 |
| 1010 | 0.0237778 |
| 1011 | 0.0239091 |
| 1012 | 0.0245714 |
| 1013 | 0.0246 |
| 1014 | 0.024625 |
| 1015 | 0.0246667 |
| 1016 | 0.0249167 |
| 1017 | 0.025 |
| 1018 | 0.02525 |
| 1019 | 0.0252857 |
| 1020 | 0.0256 |
| 1021 | 0.0264286 |
| 1022 | 0.0265 |
| 1023 | 0.0269231 |
| 1024 | 0.027 |
| 1025 | 0.0272727 |
| 1026 | 0.027375 |
| 1027 | 0.0274286 |
| 1028 | 0.0275 |
| 1029 | 0.0275 |
| 1030 | 0.0276667 |
| 1031 | 0.0277778 |
| 1032 | 0.0277778 |
| 1033 | 0.0278571 |
| 1034 | 0.0284 |
| 1035 | 0.0290909 |
| 1036 | 0.0295 |
| 1037 | 0.0297692 |
| 1038 | 0.03 |
| 1039 | 0.03 |
| 1040 | 0.03 |
| 1041 | 0.03 |
| 1042 | 0.03 |

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| 1043 | 0.0305 |
| 1044 | 0.0307273 |
| 1045 | 0.031 |
| 1046 | 0.0313571 |
| 1047 | 0.0315 |
| 1048 | 0.0315 |
| 1049 | 0.0315714 |
| 1050 | 0.0317143 |
| 1051 | 0.0323333 |
| 1052 | 0.0326 |
| 1053 | 0.0327273 |
| 1054 | 0.033 |
| 1055 | 0.0336667 |
| 1056 | 0.0338462 |
| 1057 | 0.034 |
| 1058 | 0.0341333 |
| 1059 | 0.0342222 |
| 1060 | 0.0342353 |
| 1061 | 0.0344444 |
| 1062 | 0.035 |
| 1063 | 0.0351429 |
| 1064 | 0.0351818 |
| 1065 | 0.0358571 |
| 1066 | 0.036 |
| 1067 | 0.0361111 |
| 1068 | 0.03625 |
| 1069 | 0.0364444 |
| 1070 | 0.0366667 |
| 1071 | 0.0366667 |
| 1072 | 0.0366667 |
| 1073 | 0.037 |
| 1074 | 0.0371429 |
| 1075 | 0.0381429 |
| 1076 | 0.0385714 |
| 1077 | 0.03875 |
| 1078 | 0.0388889 |
| 1079 | 0.0395 |
| 1080 | 0.0395 |
| 1081 | 0.04 |
| 1082 | 0.04 |
| 1083 | 0.0414286 |
| 1084 | 0.042 |
| 1085 | 0.04325 |
| 1086 | 0.0439 |
| 1087 | 0.0442 |
| 1088 | 0.0442857 |
| 1089 | 0.0448571 |
| 1090 | 0.0451667 |
| 1091 | 0.0453333 |
| 1092 | 0.0455 |
| 1093 | 0.0468571 |
| 1094 | 0.0473333 |
| 1095 | 0.048 |
| 1096 | 0.0482857 |
| 1097 | 0.0487778 |
| 1098 | 0.049 |
| 1099 | 0.0491111 |

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|---|---|
| 1100 | 0.0498 |
| 1101 | 0.05 |
| 1102 | 0.05 |
| 1103 | 0.0502857 |
| 1104 | 0.0505 |
| 1105 | 0.052 |
| 1106 | 0.0535 |
| 1107 | 0.0545455 |
| 1108 | 0.055 |
| 1109 | 0.0563333 |
| 1110 | 0.058 |
| 1111 | 0.0586667 |
| 1112 | 0.0588889 |
| 1113 | 0.059 |
| 1114 | 0.06 |
| 1115 | 0.06375 |
| 1116 | 0.0638182 |
| 1117 | 0.064 |
| 1118 | 0.0673333 |
| 1119 | 0.0693333 |
| 1120 | 0.0702 |
| 1121 | 0.072 |
| 1122 | 0.0725 |
| 1123 | 0.0728571 |
| 1124 | 0.0745 |
| 1125 | 0.075 |
| 1126 | 0.076 |
| 1127 | 0.07625 |
| 1128 | 0.0763333 |
| 1129 | 0.078 |
| 1130 | 0.0846667 |
| 1131 | 0.085 |
| 1132 | 0.0885 |
| 1133 | 0.089 |
| 1134 | 0.09 |
| 1135 | 0.0933333 |
| 1136 | 0.099 |
| 1137 | 0.1 |
| 1138 | 0.1025 |
| 1139 | 0.1075 |
| 1140 | 0.108 |
| 1141 | 0.11 |
| 1142 | 0.11 |
| 1143 | 0.11 |
| 1144 | 0.112 |
| 1145 | 0.12 |
| 1146 | 0.13 |
| 1147 | 0.1335 |
| 1148 | 0.135 |
| 1149 | 0.1375 |
| 1150 | 0.144 |
| 1151 | 0.1445 |
| 1152 | 0.15 |
| 1153 | 0.153333 |
| 1154 | 0.156667 |
| 1155 | 0.16 |
| 1156 | 0.166 |

| | |
|---|---|
| 1157 | 0.18 |
| 1158 | 0.19 |
| 1159 | 0.192 |
| 1160 | 0.2 |
| 1161 | 0.210667 |
| 1162 | 0.214 |
| 1163 | 0.2185 |
| 1164 | 0.225 |
| 1165 | 0.225 |
| 1166 | 0.24 |
| 1167 | 0.25 |
| 1168 | 0.26 |
| 1169 | 0.28 |
| 1170 | 0.3 |
| 1171 | 0.309 |
| 1172 | 0.331 |
| 1173 | 0.351 |
| 1174 | 0.384 |
| 1175 | 0.439 |
| 1176 | 0.488 |

Sen's Estimator (Median Q) is -0.0035

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.6 | 2 |
| 2 | 0.37 | 2 |
| 3 | 0.25 | 7 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |

| | |
|---|---|
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 834
B = 0
C = 210
D = 0
E = 46
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13412.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.493
M1 = (1176 - 190.493)/2.0 = 492.753
M2 = (1176 + 190.493)/2.0 + 1 = 684.247
Lower limit is -0.0075 = Q(493)
Upper limit is 0 = Q(684)
-0.0075 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: RC 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.63 (5/8/2013) | 0.61 (3/12/2013) | (0.63 - 0.61)/(2 - 1) | 0.02 |
| 0.58 (9/23/2013) | 0.61 (3/12/2013) | (0.58 - 0.61)/(3 - 1) | -0.015 |
| 0.69 (12/10/2013) | 0.61 (3/12/2013) | (0.69 - 0.61)/(4 - 1) | 0.0266667 |
| 0.7 (2/6/2014) | 0.61 (3/12/2013) | (0.7 - 0.61)/(5 - 1) | 0.0225 |
| 0.39 (6/26/2014) | 0.61 (3/12/2013) | (0.39 - 0.61)/(6 - 1) | -0.044 |
| 0.52 (9/19/2014) | 0.61 (3/12/2013) | (0.52 - 0.61)/(7 - 1) | -0.015 |
| 0.4 (9/30/2014) | 0.61 (3/12/2013) | (0.4 - 0.61)/(8 - 1) | -0.03 |
| 1.1 (3/23/2015) | 0.61 (3/12/2013) | (1.1 - 0.61)/(9 - 1) | 0.06125 |
| 0.4 (4/22/2015) | 0.61 (3/12/2013) | (0.4 - 0.61)/(10 - 1) | -0.0233333 |
| 0.45 (9/30/2015) | 0.61 (3/12/2013) | (0.45 - 0.61)/(11 - 1) | -0.016 |
| 0.63 (11/19/2015) | 0.61 (3/12/2013) | (0.63 - 0.61)/(12 - 1) | 0.00181818 |
| 0.43 (3/15/2016) | 0.61 (3/12/2013) | (0.43 - 0.61)/(13 - 1) | -0.015 |
| 0.46 (6/29/2016) | 0.61 (3/12/2013) | (0.46 - 0.61)/(14 - 1) | -0.0115385 |
| 0.55 (8/9/2016) | 0.61 (3/12/2013) | (0.55 - 0.61)/(15 - 1) | -0.00428571 |
| 0.25 (12/7/2016) | 0.61 (3/12/2013) | (0.25 - 0.61)/(16 - 1) | -0.024 |
| 0.61 (3/2/2017) | 0.61 (3/12/2013) | (0.61 - 0.61)/(17 - 1) | 0 |
| 0.36 (7/5/2017) | 0.61 (3/12/2013) | (0.36 - 0.61)/(18 - 1) | -0.0147059 |
| 0.4 (8/16/2017) | 0.61 (3/12/2013) | (0.4 - 0.61)/(19 - 1) | -0.0116667 |
| 0.47 (10/25/2017) | 0.61 (3/12/2013) | (0.47 - 0.61)/(20 - 1) | -0.00736842 |
| ND<0.25 U (3/28/2018) | 0.61 (3/12/2013) | (0.25 - 0.61)/(21 - 1) | -0.018 |
| 0.722 (6/29/2018) | 0.61 (3/12/2013) | (0.722 - 0.61)/(22 - 1) | 0.00533333 |
| 0.848 (8/2/2018) | 0.61 (3/12/2013) | (0.848 - 0.61)/(23 - 1) | 0.0108182 |
| 1.4 (12/10/2018) | 0.61 (3/12/2013) | (1.4 - 0.61)/(24 - 1) | 0.0343478 |
| 0.403 (4/15/2019) | 0.61 (3/12/2013) | (0.403 - 0.61)/(25 - 1) | -0.008625 |
| 0.25 (6/12/2019) | 0.61 (3/12/2013) | (0.25 - 0.61)/(26 - 1) | -0.0144 |
| 0.391 (8/27/2019) | 0.61 (3/12/2013) | (0.391 - 0.61)/(27 - 1) | -0.00842308 |
| 0.478 (10/29/2019) | 0.61 (3/12/2013) | (0.478 - 0.61)/(28 - 1) | -0.00488889 |
| 0.451 (3/30/2020) | 0.61 (3/12/2013) | (0.451 - 0.61)/(29 - 1) | -0.00567857 |
| 0.56 (6/16/2020) | 0.61 (3/12/2013) | (0.56 - 0.61)/(30 - 1) | -0.00172414 |
| 0.307 (9/21/2020) | 0.61 (3/12/2013) | (0.307 - 0.61)/(31 - 1) | -0.0101 |
| 0.497 (12/17/2020) | 0.61 (3/12/2013) | (0.497 - 0.61)/(32 - 1) | -0.00364516 |
| 0.779 (3/18/2021) | 0.61 (3/12/2013) | (0.779 - 0.61)/(33 - 1) | 0.00528125 |
| 0.566 (5/5/2021) | 0.61 (3/12/2013) | (0.566 - 0.61)/(34 - 1) | -0.00133333 |
| 0.35 (9/2/2021) | 0.61 (3/12/2013) | (0.35 - 0.61)/(35 - 1) | -0.00764706 |
| ND<0.25 U (11/23/2021) | 0.61 (3/12/2013) | (0.25 - 0.61)/(36 - 1) | -0.0102857 |
| 1.5 (1/11/2022) | 0.61 (3/12/2013) | (1.5 - 0.61)/(37 - 1) | 0.0247222 |
| 0.548 (4/7/2022) | 0.61 (3/12/2013) | (0.548 - 0.61)/(38 - 1) | -0.00167568 |
| 0.332 (8/2/2022) | 0.61 (3/12/2013) | (0.332 - 0.61)/(39 - 1) | -0.00731579 |
| ND<0.25 U (11/16/2022) | 0.61 (3/12/2013) | (0.25 - 0.61)/(40 - 1) | -0.00923077 |
| 0.423 (2/14/2023) | 0.61 (3/12/2013) | (0.423 - 0.61)/(41 - 1) | -0.004675 |
| 0.945 (5/25/2023) | 0.61 (3/12/2013) | (0.945 - 0.61)/(42 - 1) | 0.00817073 |
| 0.604 (8/7/2023) | 0.61 (3/12/2013) | (0.604 - 0.61)/(43 - 1) | -0.000142857 |
| 0.451 (12/12/2023) | 0.61 (3/12/2013) | (0.451 - 0.61)/(44 - 1) | -0.00369767 |
| 0.785 (1/10/2024) | 0.61 (3/12/2013) | (0.785 - 0.61)/(45 - 1) | 0.00397727 |
| 0.667 (5/21/2024) | 0.61 (3/12/2013) | (0.667 - 0.61)/(46 - 1) | 0.00126667 |
| 0.738 (9/16/2024) | 0.61 (3/12/2013) | (0.738 - 0.61)/(47 - 1) | 0.00278261 |
| 0.561 (12/11/2024) | 0.61 (3/12/2013) | (0.561 - 0.61)/(48 - 1) | -0.00104255 |
| 0.501 (2/18/2025) | 0.61 (3/12/2013) | (0.501 - 0.61)/(49 - 1) | -0.00227083 |

| | | | |
|---|---|---|---|
| 0.58 (9/23/2013) | 0.63 (5/8/2013) | (0.58 - 0.63)/(3 - 2) | -0.05 |
| 0.69 (12/10/2013) | 0.63 (5/8/2013) | (0.69 - 0.63)/(4 - 2) | 0.03 |
| 0.7 (2/6/2014) | 0.63 (5/8/2013) | (0.7 - 0.63)/(5 - 2) | 0.0233333 |
| 0.39 (6/26/2014) | 0.63 (5/8/2013) | (0.39 - 0.63)/(6 - 2) | -0.06 |
| 0.52 (9/19/2014) | 0.63 (5/8/2013) | (0.52 - 0.63)/(7 - 2) | -0.022 |
| 0.4 (9/30/2014) | 0.63 (5/8/2013) | (0.4 - 0.63)/(8 - 2) | -0.0383333 |
| 1.1 (3/23/2015) | 0.63 (5/8/2013) | (1.1 - 0.63)/(9 - 2) | 0.0671429 |
| 0.4 (4/22/2015) | 0.63 (5/8/2013) | (0.4 - 0.63)/(10 - 2) | -0.02875 |
| 0.45 (9/30/2015) | 0.63 (5/8/2013) | (0.45 - 0.63)/(11 - 2) | -0.02 |
| 0.63 (11/19/2015) | 0.63 (5/8/2013) | (0.63 - 0.63)/(12 - 2) | 0 |
| 0.43 (3/15/2016) | 0.63 (5/8/2013) | (0.43 - 0.63)/(13 - 2) | -0.0181818 |
| 0.46 (6/29/2016) | 0.63 (5/8/2013) | (0.46 - 0.63)/(14 - 2) | -0.0141667 |
| 0.55 (8/9/2016) | 0.63 (5/8/2013) | (0.55 - 0.63)/(15 - 2) | -0.00615385 |
| 0.25 (12/7/2016) | 0.63 (5/8/2013) | (0.25 - 0.63)/(16 - 2) | -0.0271429 |
| 0.61 (3/2/2017) | 0.63 (5/8/2013) | (0.61 - 0.63)/(17 - 2) | -0.00133333 |
| 0.36 (7/5/2017) | 0.63 (5/8/2013) | (0.36 - 0.63)/(18 - 2) | -0.016875 |
| 0.4 (8/16/2017) | 0.63 (5/8/2013) | (0.4 - 0.63)/(19 - 2) | -0.0135294 |
| 0.47 (10/25/2017) | 0.63 (5/8/2013) | (0.47 - 0.63)/(20 - 2) | -0.00888889 |
| ND<0.25 U (3/28/2018) | 0.63 (5/8/2013) | (0.25 - 0.63)/(21 - 2) | -0.02 |
| 0.722 (6/29/2018) | 0.63 (5/8/2013) | (0.722 - 0.63)/(22 - 2) | 0.0046 |
| 0.848 (8/2/2018) | 0.63 (5/8/2013) | (0.848 - 0.63)/(23 - 2) | 0.010381 |
| 1.4 (12/10/2018) | 0.63 (5/8/2013) | (1.4 - 0.63)/(24 - 2) | 0.035 |
| 0.403 (4/15/2019) | 0.63 (5/8/2013) | (0.403 - 0.63)/(25 - 2) | -0.00986957 |
| 0.25 (6/12/2019) | 0.63 (5/8/2013) | (0.25 - 0.63)/(26 - 2) | -0.0158333 |
| 0.391 (8/27/2019) | 0.63 (5/8/2013) | (0.391 - 0.63)/(27 - 2) | -0.00956 |
| 0.478 (10/29/2019) | 0.63 (5/8/2013) | (0.478 - 0.63)/(28 - 2) | -0.00584615 |
| 0.451 (3/30/2020) | 0.63 (5/8/2013) | (0.451 - 0.63)/(29 - 2) | -0.00662963 |
| 0.56 (6/16/2020) | 0.63 (5/8/2013) | (0.56 - 0.63)/(30 - 2) | -0.0025 |
| 0.307 (9/21/2020) | 0.63 (5/8/2013) | (0.307 - 0.63)/(31 - 2) | -0.0111379 |
| 0.497 (12/17/2020) | 0.63 (5/8/2013) | (0.497 - 0.63)/(32 - 2) | -0.00443333 |
| 0.779 (3/18/2021) | 0.63 (5/8/2013) | (0.779 - 0.63)/(33 - 2) | 0.00480645 |
| 0.566 (5/5/2021) | 0.63 (5/8/2013) | (0.566 - 0.63)/(34 - 2) | -0.002 |
| 0.35 (9/2/2021) | 0.63 (5/8/2013) | (0.35 - 0.63)/(35 - 2) | -0.00848485 |
| ND<0.25 U (11/23/2021) | 0.63 (5/8/2013) | (0.25 - 0.63)/(36 - 2) | -0.0111765 |
| 1.5 (1/11/2022) | 0.63 (5/8/2013) | (1.5 - 0.63)/(37 - 2) | 0.0248571 |
| 0.548 (4/7/2022) | 0.63 (5/8/2013) | (0.548 - 0.63)/(38 - 2) | -0.00227778 |
| 0.332 (8/2/2022) | 0.63 (5/8/2013) | (0.332 - 0.63)/(39 - 2) | -0.00805405 |
| ND<0.25 U (11/16/2022) | 0.63 (5/8/2013) | (0.25 - 0.63)/(40 - 2) | -0.01 |
| 0.423 (2/14/2023) | 0.63 (5/8/2013) | (0.423 - 0.63)/(41 - 2) | -0.00530769 |
| 0.945 (5/25/2023) | 0.63 (5/8/2013) | (0.945 - 0.63)/(42 - 2) | 0.007875 |
| 0.604 (8/7/2023) | 0.63 (5/8/2013) | (0.604 - 0.63)/(43 - 2) | -0.000634146 |
| 0.451 (12/12/2023) | 0.63 (5/8/2013) | (0.451 - 0.63)/(44 - 2) | -0.0042619 |
| 0.785 (1/10/2024) | 0.63 (5/8/2013) | (0.785 - 0.63)/(45 - 2) | 0.00360465 |
| 0.667 (5/21/2024) | 0.63 (5/8/2013) | (0.667 - 0.63)/(46 - 2) | 0.000840909 |
| 0.738 (9/16/2024) | 0.63 (5/8/2013) | (0.738 - 0.63)/(47 - 2) | 0.0024 |
| 0.561 (12/11/2024) | 0.63 (5/8/2013) | (0.561 - 0.63)/(48 - 2) | -0.0015 |
| 0.501 (2/18/2025) | 0.63 (5/8/2013) | (0.501 - 0.63)/(49 - 2) | -0.00274468 |
| | | | |
| 0.69 (12/10/2013) | 0.58 (9/23/2013) | (0.69 - 0.58)/(4 - 3) | 0.11 |
| 0.7 (2/6/2014) | 0.58 (9/23/2013) | (0.7 - 0.58)/(5 - 3) | 0.06 |
| 0.39 (6/26/2014) | 0.58 (9/23/2013) | (0.39 - 0.58)/(6 - 3) | -0.0633333 |
| 0.52 (9/19/2014) | 0.58 (9/23/2013) | (0.52 - 0.58)/(7 - 3) | -0.015 |
| 0.4 (9/30/2014) | 0.58 (9/23/2013) | (0.4 - 0.58)/(8 - 3) | -0.036 |
| 1.1 (3/23/2015) | 0.58 (9/23/2013) | (1.1 - 0.58)/(9 - 3) | 0.0866667 |
| 0.4 (4/22/2015) | 0.58 (9/23/2013) | (0.4 - 0.58)/(10 - 3) | -0.0257143 |
| 0.45 (9/30/2015) | 0.58 (9/23/2013) | (0.45 - 0.58)/(11 - 3) | -0.01625 |

| | | | |
|---|---|---|---|
| 0.63 (11/19/2015) | 0.58 (9/23/2013) | (0.63 - 0.58)/(12 - 3) | 0.00555556 |
| 0.43 (3/15/2016) | 0.58 (9/23/2013) | (0.43 - 0.58)/(13 - 3) | -0.015 |
| 0.46 (6/29/2016) | 0.58 (9/23/2013) | (0.46 - 0.58)/(14 - 3) | -0.0109091 |
| 0.55 (8/9/2016) | 0.58 (9/23/2013) | (0.55 - 0.58)/(15 - 3) | -0.0025 |
| 0.25 (12/7/2016) | 0.58 (9/23/2013) | (0.25 - 0.58)/(16 - 3) | -0.0253846 |
| 0.61 (3/2/2017) | 0.58 (9/23/2013) | (0.61 - 0.58)/(17 - 3) | 0.00214286 |
| 0.36 (7/5/2017) | 0.58 (9/23/2013) | (0.36 - 0.58)/(18 - 3) | -0.0146667 |
| 0.4 (8/16/2017) | 0.58 (9/23/2013) | (0.4 - 0.58)/(19 - 3) | -0.01125 |
| 0.47 (10/25/2017) | 0.58 (9/23/2013) | (0.47 - 0.58)/(20 - 3) | -0.00647059 |
| ND<0.25 U (3/28/2018) | 0.58 (9/23/2013) | (0.25 - 0.58)/(21 - 3) | -0.0183333 |
| 0.722 (6/29/2018) | 0.58 (9/23/2013) | (0.722 - 0.58)/(22 - 3) | 0.00747368 |
| 0.848 (8/2/2018) | 0.58 (9/23/2013) | (0.848 - 0.58)/(23 - 3) | 0.0134 |
| 1.4 (12/10/2018) | 0.58 (9/23/2013) | (1.4 - 0.58)/(24 - 3) | 0.0390476 |
| 0.403 (4/15/2019) | 0.58 (9/23/2013) | (0.403 - 0.58)/(25 - 3) | -0.00804545 |
| 0.25 (6/12/2019) | 0.58 (9/23/2013) | (0.25 - 0.58)/(26 - 3) | -0.0143478 |
| 0.391 (8/27/2019) | 0.58 (9/23/2013) | (0.391 - 0.58)/(27 - 3) | -0.007875 |
| 0.478 (10/29/2019) | 0.58 (9/23/2013) | (0.478 - 0.58)/(28 - 3) | -0.00408 |
| 0.451 (3/30/2020) | 0.58 (9/23/2013) | (0.451 - 0.58)/(29 - 3) | -0.00496154 |
| 0.56 (6/16/2020) | 0.58 (9/23/2013) | (0.56 - 0.58)/(30 - 3) | -0.000740741 |
| 0.307 (9/21/2020) | 0.58 (9/23/2013) | (0.307 - 0.58)/(31 - 3) | -0.00975 |
| 0.497 (12/17/2020) | 0.58 (9/23/2013) | (0.497 - 0.58)/(32 - 3) | -0.00286207 |
| 0.779 (3/18/2021) | 0.58 (9/23/2013) | (0.779 - 0.58)/(33 - 3) | 0.00663333 |
| 0.566 (5/5/2021) | 0.58 (9/23/2013) | (0.566 - 0.58)/(34 - 3) | -0.000451613 |
| 0.35 (9/2/2021) | 0.58 (9/23/2013) | (0.35 - 0.58)/(35 - 3) | -0.0071875 |
| ND<0.25 U (11/23/2021) | 0.58 (9/23/2013) | (0.25 - 0.58)/(36 - 3) | -0.01 |
| 1.5 (1/11/2022) | 0.58 (9/23/2013) | (1.5 - 0.58)/(37 - 3) | 0.0270588 |
| 0.548 (4/7/2022) | 0.58 (9/23/2013) | (0.548 - 0.58)/(38 - 3) | -0.000914286 |
| 0.332 (8/2/2022) | 0.58 (9/23/2013) | (0.332 - 0.58)/(39 - 3) | -0.00688889 |
| ND<0.25 U (11/16/2022) | 0.58 (9/23/2013) | (0.25 - 0.58)/(40 - 3) | -0.00891892 |
| 0.423 (2/14/2023) | 0.58 (9/23/2013) | (0.423 - 0.58)/(41 - 3) | -0.00413158 |
| 0.945 (5/25/2023) | 0.58 (9/23/2013) | (0.945 - 0.58)/(42 - 3) | 0.00935897 |
| 0.604 (8/7/2023) | 0.58 (9/23/2013) | (0.604 - 0.58)/(43 - 3) | 0.0006 |
| 0.451 (12/12/2023) | 0.58 (9/23/2013) | (0.451 - 0.58)/(44 - 3) | -0.00314634 |
| 0.785 (1/10/2024) | 0.58 (9/23/2013) | (0.785 - 0.58)/(45 - 3) | 0.00488095 |
| 0.667 (5/21/2024) | 0.58 (9/23/2013) | (0.667 - 0.58)/(46 - 3) | 0.00202326 |
| 0.738 (9/16/2024) | 0.58 (9/23/2013) | (0.738 - 0.58)/(47 - 3) | 0.00359091 |
| 0.561 (12/11/2024) | 0.58 (9/23/2013) | (0.561 - 0.58)/(48 - 3) | -0.000422222 |
| 0.501 (2/18/2025) | 0.58 (9/23/2013) | (0.501 - 0.58)/(49 - 3) | -0.00171739 |
| | | | |
| 0.7 (2/6/2014) | 0.69 (12/10/2013) | (0.7 - 0.69)/(5 - 4) | 0.01 |
| 0.39 (6/26/2014) | 0.69 (12/10/2013) | (0.39 - 0.69)/(6 - 4) | -0.15 |
| 0.52 (9/19/2014) | 0.69 (12/10/2013) | (0.52 - 0.69)/(7 - 4) | -0.0566667 |
| 0.4 (9/30/2014) | 0.69 (12/10/2013) | (0.4 - 0.69)/(8 - 4) | -0.0725 |
| 1.1 (3/23/2015) | 0.69 (12/10/2013) | (1.1 - 0.69)/(9 - 4) | 0.082 |
| 0.4 (4/22/2015) | 0.69 (12/10/2013) | (0.4 - 0.69)/(10 - 4) | -0.0483333 |
| 0.45 (9/30/2015) | 0.69 (12/10/2013) | (0.45 - 0.69)/(11 - 4) | -0.0342857 |
| 0.63 (11/19/2015) | 0.69 (12/10/2013) | (0.63 - 0.69)/(12 - 4) | -0.0075 |
| 0.43 (3/15/2016) | 0.69 (12/10/2013) | (0.43 - 0.69)/(13 - 4) | -0.0288889 |
| 0.46 (6/29/2016) | 0.69 (12/10/2013) | (0.46 - 0.69)/(14 - 4) | -0.023 |
| 0.55 (8/9/2016) | 0.69 (12/10/2013) | (0.55 - 0.69)/(15 - 4) | -0.0127273 |
| 0.25 (12/7/2016) | 0.69 (12/10/2013) | (0.25 - 0.69)/(16 - 4) | -0.0366667 |
| 0.61 (3/2/2017) | 0.69 (12/10/2013) | (0.61 - 0.69)/(17 - 4) | -0.00615385 |
| 0.36 (7/5/2017) | 0.69 (12/10/2013) | (0.36 - 0.69)/(18 - 4) | -0.0235714 |
| 0.4 (8/16/2017) | 0.69 (12/10/2013) | (0.4 - 0.69)/(19 - 4) | -0.0193333 |
| 0.47 (10/25/2017) | 0.69 (12/10/2013) | (0.47 - 0.69)/(20 - 4) | -0.01375 |
| ND<0.25 U (3/28/2018) | 0.69 (12/10/2013) | (0.25 - 0.69)/(21 - 4) | -0.0258824 |
| 0.722 (6/29/2018) | 0.69 (12/10/2013) | (0.722 - 0.69)/(22 - 4) | 0.00177778 |

| | | | |
|---|---|---|---|
| 0.848 (8/2/2018) | 0.69 (12/10/2013) | (0.848 - 0.69)/(23 - 4) | 0.00831579 |
| 1.4 (12/10/2018) | 0.69 (12/10/2013) | (1.4 - 0.69)/(24 - 4) | 0.0355 |
| 0.403 (4/15/2019) | 0.69 (12/10/2013) | (0.403 - 0.69)/(25 - 4) | -0.0136667 |
| 0.25 (6/12/2019) | 0.69 (12/10/2013) | (0.25 - 0.69)/(26 - 4) | -0.02 |
| 0.391 (8/27/2019) | 0.69 (12/10/2013) | (0.391 - 0.69)/(27 - 4) | -0.013 |
| 0.478 (10/29/2019) | 0.69 (12/10/2013) | (0.478 - 0.69)/(28 - 4) | -0.00883333 |
| 0.451 (3/30/2020) | 0.69 (12/10/2013) | (0.451 - 0.69)/(29 - 4) | -0.00956 |
| 0.56 (6/16/2020) | 0.69 (12/10/2013) | (0.56 - 0.69)/(30 - 4) | -0.005 |
| 0.307 (9/21/2020) | 0.69 (12/10/2013) | (0.307 - 0.69)/(31 - 4) | -0.0141852 |
| 0.497 (12/17/2020) | 0.69 (12/10/2013) | (0.497 - 0.69)/(32 - 4) | -0.00689286 |
| 0.779 (3/18/2021) | 0.69 (12/10/2013) | (0.779 - 0.69)/(33 - 4) | 0.00306897 |
| 0.566 (5/5/2021) | 0.69 (12/10/2013) | (0.566 - 0.69)/(34 - 4) | -0.00413333 |
| 0.35 (9/2/2021) | 0.69 (12/10/2013) | (0.35 - 0.69)/(35 - 4) | -0.0109677 |
| ND<0.25 U (11/23/2021) | 0.69 (12/10/2013) | (0.25 - 0.69)/(36 - 4) | -0.01375 |
| 1.5 (1/11/2022) | 0.69 (12/10/2013) | (1.5 - 0.69)/(37 - 4) | 0.0245455 |
| 0.548 (4/7/2022) | 0.69 (12/10/2013) | (0.548 - 0.69)/(38 - 4) | -0.00417647 |
| 0.332 (8/2/2022) | 0.69 (12/10/2013) | (0.332 - 0.69)/(39 - 4) | -0.0102286 |
| ND<0.25 U (11/16/2022) | 0.69 (12/10/2013) | (0.25 - 0.69)/(40 - 4) | -0.0122222 |
| 0.423 (2/14/2023) | 0.69 (12/10/2013) | (0.423 - 0.69)/(41 - 4) | -0.00721622 |
| 0.945 (5/25/2023) | 0.69 (12/10/2013) | (0.945 - 0.69)/(42 - 4) | 0.00671053 |
| 0.604 (8/7/2023) | 0.69 (12/10/2013) | (0.604 - 0.69)/(43 - 4) | -0.00220513 |
| 0.451 (12/12/2023) | 0.69 (12/10/2013) | (0.451 - 0.69)/(44 - 4) | -0.005975 |
| 0.785 (1/10/2024) | 0.69 (12/10/2013) | (0.785 - 0.69)/(45 - 4) | 0.00231707 |
| 0.667 (5/21/2024) | 0.69 (12/10/2013) | (0.667 - 0.69)/(46 - 4) | -0.000547619 |
| 0.738 (9/16/2024) | 0.69 (12/10/2013) | (0.738 - 0.69)/(47 - 4) | 0.00111628 |
| 0.561 (12/11/2024) | 0.69 (12/10/2013) | (0.561 - 0.69)/(48 - 4) | -0.00293182 |
| 0.501 (2/18/2025) | 0.69 (12/10/2013) | (0.501 - 0.69)/(49 - 4) | -0.0042 |

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|---|---|---|---|
| 0.39 (6/26/2014) | 0.7 (2/6/2014) | (0.39 - 0.7)/(6 - 5) | -0.31 |
| 0.52 (9/19/2014) | 0.7 (2/6/2014) | (0.52 - 0.7)/(7 - 5) | -0.09 |
| 0.4 (9/30/2014) | 0.7 (2/6/2014) | (0.4 - 0.7)/(8 - 5) | -0.1 |
| 1.1 (3/23/2015) | 0.7 (2/6/2014) | (1.1 - 0.7)/(9 - 5) | 0.1 |
| 0.4 (4/22/2015) | 0.7 (2/6/2014) | (0.4 - 0.7)/(10 - 5) | -0.06 |
| 0.45 (9/30/2015) | 0.7 (2/6/2014) | (0.45 - 0.7)/(11 - 5) | -0.0416667 |
| 0.63 (11/19/2015) | 0.7 (2/6/2014) | (0.63 - 0.7)/(12 - 5) | -0.01 |
| 0.43 (3/15/2016) | 0.7 (2/6/2014) | (0.43 - 0.7)/(13 - 5) | -0.03375 |
| 0.46 (6/29/2016) | 0.7 (2/6/2014) | (0.46 - 0.7)/(14 - 5) | -0.0266667 |
| 0.55 (8/9/2016) | 0.7 (2/6/2014) | (0.55 - 0.7)/(15 - 5) | -0.015 |
| 0.25 (12/7/2016) | 0.7 (2/6/2014) | (0.25 - 0.7)/(16 - 5) | -0.0409091 |
| 0.61 (3/2/2017) | 0.7 (2/6/2014) | (0.61 - 0.7)/(17 - 5) | -0.0075 |
| 0.36 (7/5/2017) | 0.7 (2/6/2014) | (0.36 - 0.7)/(18 - 5) | -0.0261538 |
| 0.4 (8/16/2017) | 0.7 (2/6/2014) | (0.4 - 0.7)/(19 - 5) | -0.0214286 |
| 0.47 (10/25/2017) | 0.7 (2/6/2014) | (0.47 - 0.7)/(20 - 5) | -0.0153333 |
| ND<0.25 U (3/28/2018) | 0.7 (2/6/2014) | (0.25 - 0.7)/(21 - 5) | -0.028125 |
| 0.722 (6/29/2018) | 0.7 (2/6/2014) | (0.722 - 0.7)/(22 - 5) | 0.00129412 |
| 0.848 (8/2/2018) | 0.7 (2/6/2014) | (0.848 - 0.7)/(23 - 5) | 0.00822222 |
| 1.4 (12/10/2018) | 0.7 (2/6/2014) | (1.4 - 0.7)/(24 - 5) | 0.0368421 |
| 0.403 (4/15/2019) | 0.7 (2/6/2014) | (0.403 - 0.7)/(25 - 5) | -0.01485 |
| 0.25 (6/12/2019) | 0.7 (2/6/2014) | (0.25 - 0.7)/(26 - 5) | -0.0214286 |
| 0.391 (8/27/2019) | 0.7 (2/6/2014) | (0.391 - 0.7)/(27 - 5) | -0.0140455 |
| 0.478 (10/29/2019) | 0.7 (2/6/2014) | (0.478 - 0.7)/(28 - 5) | -0.00965217 |
| 0.451 (3/30/2020) | 0.7 (2/6/2014) | (0.451 - 0.7)/(29 - 5) | -0.010375 |
| 0.56 (6/16/2020) | 0.7 (2/6/2014) | (0.56 - 0.7)/(30 - 5) | -0.0056 |
| 0.307 (9/21/2020) | 0.7 (2/6/2014) | (0.307 - 0.7)/(31 - 5) | -0.0151154 |
| 0.497 (12/17/2020) | 0.7 (2/6/2014) | (0.497 - 0.7)/(32 - 5) | -0.00751852 |
| 0.779 (3/18/2021) | 0.7 (2/6/2014) | (0.779 - 0.7)/(33 - 5) | 0.00282143 |
| 0.566 (5/5/2021) | 0.7 (2/6/2014) | (0.566 - 0.7)/(34 - 5) | -0.00462069 |

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|---|---|---|---|
| 0.35 (9/2/2021) | 0.7 (2/6/2014) | (0.35 - 0.7)/(35 - 5) | -0.0116667 |
| ND<0.25 U (11/23/2021) | 0.7 (2/6/2014) | (0.25 - 0.7)/(36 - 5) | -0.0145161 |
| 1.5 (1/11/2022) | 0.7 (2/6/2014) | (1.5 - 0.7)/(37 - 5) | 0.025 |
| 0.548 (4/7/2022) | 0.7 (2/6/2014) | (0.548 - 0.7)/(38 - 5) | -0.00460606 |
| 0.332 (8/2/2022) | 0.7 (2/6/2014) | (0.332 - 0.7)/(39 - 5) | -0.0108235 |
| ND<0.25 U (11/16/2022) | 0.7 (2/6/2014) | (0.25 - 0.7)/(40 - 5) | -0.0128571 |
| 0.423 (2/14/2023) | 0.7 (2/6/2014) | (0.423 - 0.7)/(41 - 5) | -0.00769444 |
| 0.945 (5/25/2023) | 0.7 (2/6/2014) | (0.945 - 0.7)/(42 - 5) | 0.00662162 |
| 0.604 (8/7/2023) | 0.7 (2/6/2014) | (0.604 - 0.7)/(43 - 5) | -0.00252632 |
| 0.451 (12/12/2023) | 0.7 (2/6/2014) | (0.451 - 0.7)/(44 - 5) | -0.00638462 |
| 0.785 (1/10/2024) | 0.7 (2/6/2014) | (0.785 - 0.7)/(45 - 5) | 0.002125 |
| 0.667 (5/21/2024) | 0.7 (2/6/2014) | (0.667 - 0.7)/(46 - 5) | -0.000804878 |
| 0.738 (9/16/2024) | 0.7 (2/6/2014) | (0.738 - 0.7)/(47 - 5) | 0.000904762 |
| 0.561 (12/11/2024) | 0.7 (2/6/2014) | (0.561 - 0.7)/(48 - 5) | -0.00323256 |
| 0.501 (2/18/2025) | 0.7 (2/6/2014) | (0.501 - 0.7)/(49 - 5) | -0.00452273 |

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|---|---|---|---|
| 0.52 (9/19/2014) | 0.39 (6/26/2014) | (0.52 - 0.39)/(7 - 6) | 0.13 |
| 0.4 (9/30/2014) | 0.39 (6/26/2014) | (0.4 - 0.39)/(8 - 6) | 0.005 |
| 1.1 (3/23/2015) | 0.39 (6/26/2014) | (1.1 - 0.39)/(9 - 6) | 0.236667 |
| 0.4 (4/22/2015) | 0.39 (6/26/2014) | (0.4 - 0.39)/(10 - 6) | 0.0025 |
| 0.45 (9/30/2015) | 0.39 (6/26/2014) | (0.45 - 0.39)/(11 - 6) | 0.012 |
| 0.63 (11/19/2015) | 0.39 (6/26/2014) | (0.63 - 0.39)/(12 - 6) | 0.04 |
| 0.43 (3/15/2016) | 0.39 (6/26/2014) | (0.43 - 0.39)/(13 - 6) | 0.00571429 |
| 0.46 (6/29/2016) | 0.39 (6/26/2014) | (0.46 - 0.39)/(14 - 6) | 0.00875 |
| 0.55 (8/9/2016) | 0.39 (6/26/2014) | (0.55 - 0.39)/(15 - 6) | 0.0177778 |
| 0.25 (12/7/2016) | 0.39 (6/26/2014) | (0.25 - 0.39)/(16 - 6) | -0.014 |
| 0.61 (3/2/2017) | 0.39 (6/26/2014) | (0.61 - 0.39)/(17 - 6) | 0.02 |
| 0.36 (7/5/2017) | 0.39 (6/26/2014) | (0.36 - 0.39)/(18 - 6) | -0.0025 |
| 0.4 (8/16/2017) | 0.39 (6/26/2014) | (0.4 - 0.39)/(19 - 6) | 0.000769231 |
| 0.47 (10/25/2017) | 0.39 (6/26/2014) | (0.47 - 0.39)/(20 - 6) | 0.00571429 |
| ND<0.25 U (3/28/2018) | 0.39 (6/26/2014) | (0.25 - 0.39)/(21 - 6) | -0.00933333 |
| 0.722 (6/29/2018) | 0.39 (6/26/2014) | (0.722 - 0.39)/(22 - 6) | 0.02075 |
| 0.848 (8/2/2018) | 0.39 (6/26/2014) | (0.848 - 0.39)/(23 - 6) | 0.0269412 |
| 1.4 (12/10/2018) | 0.39 (6/26/2014) | (1.4 - 0.39)/(24 - 6) | 0.0561111 |
| 0.403 (4/15/2019) | 0.39 (6/26/2014) | (0.403 - 0.39)/(25 - 6) | 0.000684211 |
| 0.25 (6/12/2019) | 0.39 (6/26/2014) | (0.25 - 0.39)/(26 - 6) | -0.007 |
| 0.391 (8/27/2019) | 0.39 (6/26/2014) | (0.391 - 0.39)/(27 - 6) | 4.7619e-05 |
| 0.478 (10/29/2019) | 0.39 (6/26/2014) | (0.478 - 0.39)/(28 - 6) | 0.004 |
| 0.451 (3/30/2020) | 0.39 (6/26/2014) | (0.451 - 0.39)/(29 - 6) | 0.00265217 |
| 0.56 (6/16/2020) | 0.39 (6/26/2014) | (0.56 - 0.39)/(30 - 6) | 0.00708333 |
| 0.307 (9/21/2020) | 0.39 (6/26/2014) | (0.307 - 0.39)/(31 - 6) | -0.00332 |
| 0.497 (12/17/2020) | 0.39 (6/26/2014) | (0.497 - 0.39)/(32 - 6) | 0.00411538 |
| 0.779 (3/18/2021) | 0.39 (6/26/2014) | (0.779 - 0.39)/(33 - 6) | 0.0144074 |
| 0.566 (5/5/2021) | 0.39 (6/26/2014) | (0.566 - 0.39)/(34 - 6) | 0.00628571 |
| 0.35 (9/2/2021) | 0.39 (6/26/2014) | (0.35 - 0.39)/(35 - 6) | -0.00137931 |
| ND<0.25 U (11/23/2021) | 0.39 (6/26/2014) | (0.25 - 0.39)/(36 - 6) | -0.00466667 |
| 1.5 (1/11/2022) | 0.39 (6/26/2014) | (1.5 - 0.39)/(37 - 6) | 0.0358065 |
| 0.548 (4/7/2022) | 0.39 (6/26/2014) | (0.548 - 0.39)/(38 - 6) | 0.0049375 |
| 0.332 (8/2/2022) | 0.39 (6/26/2014) | (0.332 - 0.39)/(39 - 6) | -0.00175758 |
| ND<0.25 U (11/16/2022) | 0.39 (6/26/2014) | (0.25 - 0.39)/(40 - 6) | -0.00411765 |
| 0.423 (2/14/2023) | 0.39 (6/26/2014) | (0.423 - 0.39)/(41 - 6) | 0.000942857 |
| 0.945 (5/25/2023) | 0.39 (6/26/2014) | (0.945 - 0.39)/(42 - 6) | 0.0154167 |
| 0.604 (8/7/2023) | 0.39 (6/26/2014) | (0.604 - 0.39)/(43 - 6) | 0.00578378 |
| 0.451 (12/12/2023) | 0.39 (6/26/2014) | (0.451 - 0.39)/(44 - 6) | 0.00160526 |
| 0.785 (1/10/2024) | 0.39 (6/26/2014) | (0.785 - 0.39)/(45 - 6) | 0.0101282 |
| 0.667 (5/21/2024) | 0.39 (6/26/2014) | (0.667 - 0.39)/(46 - 6) | 0.006925 |
| 0.738 (9/16/2024) | 0.39 (6/26/2014) | (0.738 - 0.39)/(47 - 6) | 0.0084878 |

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|---|---|---|---|
| 0.561 (12/11/2024) | 0.39 (6/26/2014) | (0.561 - 0.39)/(48 - 6) | 0.00407143 |
| 0.501 (2/18/2025) | 0.39 (6/26/2014) | (0.501 - 0.39)/(49 - 6) | 0.0025814 |
| | | | |
| 0.4 (9/30/2014) | 0.52 (9/19/2014) | (0.4 - 0.52)/(8 - 7) | -0.12 |
| 1.1 (3/23/2015) | 0.52 (9/19/2014) | (1.1 - 0.52)/(9 - 7) | 0.29 |
| 0.4 (4/22/2015) | 0.52 (9/19/2014) | (0.4 - 0.52)/(10 - 7) | -0.04 |
| 0.45 (9/30/2015) | 0.52 (9/19/2014) | (0.45 - 0.52)/(11 - 7) | -0.0175 |
| 0.63 (11/19/2015) | 0.52 (9/19/2014) | (0.63 - 0.52)/(12 - 7) | 0.022 |
| 0.43 (3/15/2016) | 0.52 (9/19/2014) | (0.43 - 0.52)/(13 - 7) | -0.015 |
| 0.46 (6/29/2016) | 0.52 (9/19/2014) | (0.46 - 0.52)/(14 - 7) | -0.00857143 |
| 0.55 (8/9/2016) | 0.52 (9/19/2014) | (0.55 - 0.52)/(15 - 7) | 0.00375 |
| 0.25 (12/7/2016) | 0.52 (9/19/2014) | (0.25 - 0.52)/(16 - 7) | -0.03 |
| 0.61 (3/2/2017) | 0.52 (9/19/2014) | (0.61 - 0.52)/(17 - 7) | 0.009 |
| 0.36 (7/5/2017) | 0.52 (9/19/2014) | (0.36 - 0.52)/(18 - 7) | -0.0145455 |
| 0.4 (8/16/2017) | 0.52 (9/19/2014) | (0.4 - 0.52)/(19 - 7) | -0.01 |
| 0.47 (10/25/2017) | 0.52 (9/19/2014) | (0.47 - 0.52)/(20 - 7) | -0.00384615 |
| ND<0.25 U (3/28/2018) | 0.52 (9/19/2014) | (0.25 - 0.52)/(21 - 7) | -0.0192857 |
| 0.722 (6/29/2018) | 0.52 (9/19/2014) | (0.722 - 0.52)/(22 - 7) | 0.0134667 |
| 0.848 (8/2/2018) | 0.52 (9/19/2014) | (0.848 - 0.52)/(23 - 7) | 0.0205 |
| 1.4 (12/10/2018) | 0.52 (9/19/2014) | (1.4 - 0.52)/(24 - 7) | 0.0517647 |
| 0.403 (4/15/2019) | 0.52 (9/19/2014) | (0.403 - 0.52)/(25 - 7) | -0.0065 |
| 0.25 (6/12/2019) | 0.52 (9/19/2014) | (0.25 - 0.52)/(26 - 7) | -0.0142105 |
| 0.391 (8/27/2019) | 0.52 (9/19/2014) | (0.391 - 0.52)/(27 - 7) | -0.00645 |
| 0.478 (10/29/2019) | 0.52 (9/19/2014) | (0.478 - 0.52)/(28 - 7) | -0.002 |
| 0.451 (3/30/2020) | 0.52 (9/19/2014) | (0.451 - 0.52)/(29 - 7) | -0.00313636 |
| 0.56 (6/16/2020) | 0.52 (9/19/2014) | (0.56 - 0.52)/(30 - 7) | 0.00173913 |
| 0.307 (9/21/2020) | 0.52 (9/19/2014) | (0.307 - 0.52)/(31 - 7) | -0.008875 |
| 0.497 (12/17/2020) | 0.52 (9/19/2014) | (0.497 - 0.52)/(32 - 7) | -0.00092 |
| 0.779 (3/18/2021) | 0.52 (9/19/2014) | (0.779 - 0.52)/(33 - 7) | 0.00996154 |
| 0.566 (5/5/2021) | 0.52 (9/19/2014) | (0.566 - 0.52)/(34 - 7) | 0.0017037 |
| 0.35 (9/2/2021) | 0.52 (9/19/2014) | (0.35 - 0.52)/(35 - 7) | -0.00607143 |
| ND<0.25 U (11/23/2021) | 0.52 (9/19/2014) | (0.25 - 0.52)/(36 - 7) | -0.00931034 |
| 1.5 (1/11/2022) | 0.52 (9/19/2014) | (1.5 - 0.52)/(37 - 7) | 0.0326667 |
| 0.548 (4/7/2022) | 0.52 (9/19/2014) | (0.548 - 0.52)/(38 - 7) | 0.000903226 |
| 0.332 (8/2/2022) | 0.52 (9/19/2014) | (0.332 - 0.52)/(39 - 7) | -0.005875 |
| ND<0.25 U (11/16/2022) | 0.52 (9/19/2014) | (0.25 - 0.52)/(40 - 7) | -0.00818182 |
| 0.423 (2/14/2023) | 0.52 (9/19/2014) | (0.423 - 0.52)/(41 - 7) | -0.00285294 |
| 0.945 (5/25/2023) | 0.52 (9/19/2014) | (0.945 - 0.52)/(42 - 7) | 0.0121429 |
| 0.604 (8/7/2023) | 0.52 (9/19/2014) | (0.604 - 0.52)/(43 - 7) | 0.00233333 |
| 0.451 (12/12/2023) | 0.52 (9/19/2014) | (0.451 - 0.52)/(44 - 7) | -0.00186486 |
| 0.785 (1/10/2024) | 0.52 (9/19/2014) | (0.785 - 0.52)/(45 - 7) | 0.00697368 |
| 0.667 (5/21/2024) | 0.52 (9/19/2014) | (0.667 - 0.52)/(46 - 7) | 0.00376923 |
| 0.738 (9/16/2024) | 0.52 (9/19/2014) | (0.738 - 0.52)/(47 - 7) | 0.00545 |
| 0.561 (12/11/2024) | 0.52 (9/19/2014) | (0.561 - 0.52)/(48 - 7) | 0.001 |
| 0.501 (2/18/2025) | 0.52 (9/19/2014) | (0.501 - 0.52)/(49 - 7) | -0.000452381 |
| | | | |
| 1.1 (3/23/2015) | 0.4 (9/30/2014) | (1.1 - 0.4)/(9 - 8) | 0.7 |
| 0.4 (4/22/2015) | 0.4 (9/30/2014) | (0.4 - 0.4)/(10 - 8) | 0 |
| 0.45 (9/30/2015) | 0.4 (9/30/2014) | (0.45 - 0.4)/(11 - 8) | 0.0166667 |
| 0.63 (11/19/2015) | 0.4 (9/30/2014) | (0.63 - 0.4)/(12 - 8) | 0.0575 |
| 0.43 (3/15/2016) | 0.4 (9/30/2014) | (0.43 - 0.4)/(13 - 8) | 0.006 |
| 0.46 (6/29/2016) | 0.4 (9/30/2014) | (0.46 - 0.4)/(14 - 8) | 0.01 |
| 0.55 (8/9/2016) | 0.4 (9/30/2014) | (0.55 - 0.4)/(15 - 8) | 0.0214286 |
| 0.25 (12/7/2016) | 0.4 (9/30/2014) | (0.25 - 0.4)/(16 - 8) | -0.01875 |
| 0.61 (3/2/2017) | 0.4 (9/30/2014) | (0.61 - 0.4)/(17 - 8) | 0.0233333 |
| 0.36 (7/5/2017) | 0.4 (9/30/2014) | (0.36 - 0.4)/(18 - 8) | -0.004 |
| 0.4 (8/16/2017) | 0.4 (9/30/2014) | (0.4 - 0.4)/(19 - 8) | 0 |

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|---|---|---|---|
| 0.47 (10/25/2017) | 0.4 (9/30/2014) | (0.47 - 0.4)/(20 - 8) | 0.00583333 |
| ND<0.25 U (3/28/2018) | 0.4 (9/30/2014) | (0.25 - 0.4)/(21 - 8) | -0.0115385 |
| 0.722 (6/29/2018) | 0.4 (9/30/2014) | (0.722 - 0.4)/(22 - 8) | 0.023 |
| 0.848 (8/2/2018) | 0.4 (9/30/2014) | (0.848 - 0.4)/(23 - 8) | 0.0298667 |
| 1.4 (12/10/2018) | 0.4 (9/30/2014) | (1.4 - 0.4)/(24 - 8) | 0.0625 |
| 0.403 (4/15/2019) | 0.4 (9/30/2014) | (0.403 - 0.4)/(25 - 8) | 0.000176471 |
| 0.25 (6/12/2019) | 0.4 (9/30/2014) | (0.25 - 0.4)/(26 - 8) | -0.00833333 |
| 0.391 (8/27/2019) | 0.4 (9/30/2014) | (0.391 - 0.4)/(27 - 8) | -0.000473684 |
| 0.478 (10/29/2019) | 0.4 (9/30/2014) | (0.478 - 0.4)/(28 - 8) | 0.0039 |
| 0.451 (3/30/2020) | 0.4 (9/30/2014) | (0.451 - 0.4)/(29 - 8) | 0.00242857 |
| 0.56 (6/16/2020) | 0.4 (9/30/2014) | (0.56 - 0.4)/(30 - 8) | 0.00727273 |
| 0.307 (9/21/2020) | 0.4 (9/30/2014) | (0.307 - 0.4)/(31 - 8) | -0.00404348 |
| 0.497 (12/17/2020) | 0.4 (9/30/2014) | (0.497 - 0.4)/(32 - 8) | 0.00404167 |
| 0.779 (3/18/2021) | 0.4 (9/30/2014) | (0.779 - 0.4)/(33 - 8) | 0.01516 |
| 0.566 (5/5/2021) | 0.4 (9/30/2014) | (0.566 - 0.4)/(34 - 8) | 0.00638462 |
| 0.35 (9/2/2021) | 0.4 (9/30/2014) | (0.35 - 0.4)/(35 - 8) | -0.00185185 |
| ND<0.25 U (11/23/2021) | 0.4 (9/30/2014) | (0.25 - 0.4)/(36 - 8) | -0.00535714 |
| 1.5 (1/11/2022) | 0.4 (9/30/2014) | (1.5 - 0.4)/(37 - 8) | 0.037931 |
| 0.548 (4/7/2022) | 0.4 (9/30/2014) | (0.548 - 0.4)/(38 - 8) | 0.00493333 |
| 0.332 (8/2/2022) | 0.4 (9/30/2014) | (0.332 - 0.4)/(39 - 8) | -0.00219355 |
| ND<0.25 U (11/16/2022) | 0.4 (9/30/2014) | (0.25 - 0.4)/(40 - 8) | -0.0046875 |
| 0.423 (2/14/2023) | 0.4 (9/30/2014) | (0.423 - 0.4)/(41 - 8) | 0.00069697 |
| 0.945 (5/25/2023) | 0.4 (9/30/2014) | (0.945 - 0.4)/(42 - 8) | 0.0160294 |
| 0.604 (8/7/2023) | 0.4 (9/30/2014) | (0.604 - 0.4)/(43 - 8) | 0.00582857 |
| 0.451 (12/12/2023) | 0.4 (9/30/2014) | (0.451 - 0.4)/(44 - 8) | 0.00141667 |
| 0.785 (1/10/2024) | 0.4 (9/30/2014) | (0.785 - 0.4)/(45 - 8) | 0.0104054 |
| 0.667 (5/21/2024) | 0.4 (9/30/2014) | (0.667 - 0.4)/(46 - 8) | 0.00702632 |
| 0.738 (9/16/2024) | 0.4 (9/30/2014) | (0.738 - 0.4)/(47 - 8) | 0.00866667 |
| 0.561 (12/11/2024) | 0.4 (9/30/2014) | (0.561 - 0.4)/(48 - 8) | 0.004025 |
| 0.501 (2/18/2025) | 0.4 (9/30/2014) | (0.501 - 0.4)/(49 - 8) | 0.00246341 |

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|---|---|---|---|
| 0.4 (4/22/2015) | 1.1 (3/23/2015) | (0.4 - 1.1)/(10 - 9) | -0.7 |
| 0.45 (9/30/2015) | 1.1 (3/23/2015) | (0.45 - 1.1)/(11 - 9) | -0.325 |
| 0.63 (11/19/2015) | 1.1 (3/23/2015) | (0.63 - 1.1)/(12 - 9) | -0.156667 |
| 0.43 (3/15/2016) | 1.1 (3/23/2015) | (0.43 - 1.1)/(13 - 9) | -0.1675 |
| 0.46 (6/29/2016) | 1.1 (3/23/2015) | (0.46 - 1.1)/(14 - 9) | -0.128 |
| 0.55 (8/9/2016) | 1.1 (3/23/2015) | (0.55 - 1.1)/(15 - 9) | -0.0916667 |
| 0.25 (12/7/2016) | 1.1 (3/23/2015) | (0.25 - 1.1)/(16 - 9) | -0.121429 |
| 0.61 (3/2/2017) | 1.1 (3/23/2015) | (0.61 - 1.1)/(17 - 9) | -0.06125 |
| 0.36 (7/5/2017) | 1.1 (3/23/2015) | (0.36 - 1.1)/(18 - 9) | -0.0822222 |
| 0.4 (8/16/2017) | 1.1 (3/23/2015) | (0.4 - 1.1)/(19 - 9) | -0.07 |
| 0.47 (10/25/2017) | 1.1 (3/23/2015) | (0.47 - 1.1)/(20 - 9) | -0.0572727 |
| ND<0.25 U (3/28/2018) | 1.1 (3/23/2015) | (0.25 - 1.1)/(21 - 9) | -0.0708333 |
| 0.722 (6/29/2018) | 1.1 (3/23/2015) | (0.722 - 1.1)/(22 - 9) | -0.0290769 |
| 0.848 (8/2/2018) | 1.1 (3/23/2015) | (0.848 - 1.1)/(23 - 9) | -0.018 |
| 1.4 (12/10/2018) | 1.1 (3/23/2015) | (1.4 - 1.1)/(24 - 9) | 0.02 |
| 0.403 (4/15/2019) | 1.1 (3/23/2015) | (0.403 - 1.1)/(25 - 9) | -0.0435625 |
| 0.25 (6/12/2019) | 1.1 (3/23/2015) | (0.25 - 1.1)/(26 - 9) | -0.05 |
| 0.391 (8/27/2019) | 1.1 (3/23/2015) | (0.391 - 1.1)/(27 - 9) | -0.0393889 |
| 0.478 (10/29/2019) | 1.1 (3/23/2015) | (0.478 - 1.1)/(28 - 9) | -0.0327368 |
| 0.451 (3/30/2020) | 1.1 (3/23/2015) | (0.451 - 1.1)/(29 - 9) | -0.03245 |
| 0.56 (6/16/2020) | 1.1 (3/23/2015) | (0.56 - 1.1)/(30 - 9) | -0.0257143 |
| 0.307 (9/21/2020) | 1.1 (3/23/2015) | (0.307 - 1.1)/(31 - 9) | -0.0360455 |
| 0.497 (12/17/2020) | 1.1 (3/23/2015) | (0.497 - 1.1)/(32 - 9) | -0.0262174 |
| 0.779 (3/18/2021) | 1.1 (3/23/2015) | (0.779 - 1.1)/(33 - 9) | -0.013375 |
| 0.566 (5/5/2021) | 1.1 (3/23/2015) | (0.566 - 1.1)/(34 - 9) | -0.02136 |
| 0.35 (9/2/2021) | 1.1 (3/23/2015) | (0.35 - 1.1)/(35 - 9) | -0.0288462 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 1.1 (3/23/2015) | (0.25 - 1.1)/(36 - 9) | -0.0314815 |
| 1.5 (1/11/2022) | 1.1 (3/23/2015) | (1.5 - 1.1)/(37 - 9) | 0.0142857 |
| 0.548 (4/7/2022) | 1.1 (3/23/2015) | (0.548 - 1.1)/(38 - 9) | -0.0190345 |
| 0.332 (8/2/2022) | 1.1 (3/23/2015) | (0.332 - 1.1)/(39 - 9) | -0.0256 |
| ND<0.25 U (11/16/2022) | 1.1 (3/23/2015) | (0.25 - 1.1)/(40 - 9) | -0.0274194 |
| 0.423 (2/14/2023) | 1.1 (3/23/2015) | (0.423 - 1.1)/(41 - 9) | -0.0211563 |
| 0.945 (5/25/2023) | 1.1 (3/23/2015) | (0.945 - 1.1)/(42 - 9) | -0.00469697 |
| 0.604 (8/7/2023) | 1.1 (3/23/2015) | (0.604 - 1.1)/(43 - 9) | -0.0145882 |
| 0.451 (12/12/2023) | 1.1 (3/23/2015) | (0.451 - 1.1)/(44 - 9) | -0.0185429 |
| 0.785 (1/10/2024) | 1.1 (3/23/2015) | (0.785 - 1.1)/(45 - 9) | -0.00875 |
| 0.667 (5/21/2024) | 1.1 (3/23/2015) | (0.667 - 1.1)/(46 - 9) | -0.0117027 |
| 0.738 (9/16/2024) | 1.1 (3/23/2015) | (0.738 - 1.1)/(47 - 9) | -0.00952632 |
| 0.561 (12/11/2024) | 1.1 (3/23/2015) | (0.561 - 1.1)/(48 - 9) | -0.0138205 |
| 0.501 (2/18/2025) | 1.1 (3/23/2015) | (0.501 - 1.1)/(49 - 9) | -0.014975 |
| | | | |
| 0.45 (9/30/2015) | 0.4 (4/22/2015) | (0.45 - 0.4)/(11 - 10) | 0.05 |
| 0.63 (11/19/2015) | 0.4 (4/22/2015) | (0.63 - 0.4)/(12 - 10) | 0.115 |
| 0.43 (3/15/2016) | 0.4 (4/22/2015) | (0.43 - 0.4)/(13 - 10) | 0.01 |
| 0.46 (6/29/2016) | 0.4 (4/22/2015) | (0.46 - 0.4)/(14 - 10) | 0.015 |
| 0.55 (8/9/2016) | 0.4 (4/22/2015) | (0.55 - 0.4)/(15 - 10) | 0.03 |
| 0.25 (12/7/2016) | 0.4 (4/22/2015) | (0.25 - 0.4)/(16 - 10) | -0.025 |
| 0.61 (3/2/2017) | 0.4 (4/22/2015) | (0.61 - 0.4)/(17 - 10) | 0.03 |
| 0.36 (7/5/2017) | 0.4 (4/22/2015) | (0.36 - 0.4)/(18 - 10) | -0.005 |
| 0.4 (8/16/2017) | 0.4 (4/22/2015) | (0.4 - 0.4)/(19 - 10) | 0 |
| 0.47 (10/25/2017) | 0.4 (4/22/2015) | (0.47 - 0.4)/(20 - 10) | 0.007 |
| ND<0.25 U (3/28/2018) | 0.4 (4/22/2015) | (0.25 - 0.4)/(21 - 10) | -0.0136364 |
| 0.722 (6/29/2018) | 0.4 (4/22/2015) | (0.722 - 0.4)/(22 - 10) | 0.0268333 |
| 0.848 (8/2/2018) | 0.4 (4/22/2015) | (0.848 - 0.4)/(23 - 10) | 0.0344615 |
| 1.4 (12/10/2018) | 0.4 (4/22/2015) | (1.4 - 0.4)/(24 - 10) | 0.0714286 |
| 0.403 (4/15/2019) | 0.4 (4/22/2015) | (0.403 - 0.4)/(25 - 10) | 0.0002 |
| 0.25 (6/12/2019) | 0.4 (4/22/2015) | (0.25 - 0.4)/(26 - 10) | -0.009375 |
| 0.391 (8/27/2019) | 0.4 (4/22/2015) | (0.391 - 0.4)/(27 - 10) | -0.000529412 |
| 0.478 (10/29/2019) | 0.4 (4/22/2015) | (0.478 - 0.4)/(28 - 10) | 0.00433333 |
| 0.451 (3/30/2020) | 0.4 (4/22/2015) | (0.451 - 0.4)/(29 - 10) | 0.00268421 |
| 0.56 (6/16/2020) | 0.4 (4/22/2015) | (0.56 - 0.4)/(30 - 10) | 0.008 |
| 0.307 (9/21/2020) | 0.4 (4/22/2015) | (0.307 - 0.4)/(31 - 10) | -0.00442857 |
| 0.497 (12/17/2020) | 0.4 (4/22/2015) | (0.497 - 0.4)/(32 - 10) | 0.00440909 |
| 0.779 (3/18/2021) | 0.4 (4/22/2015) | (0.779 - 0.4)/(33 - 10) | 0.0164783 |
| 0.566 (5/5/2021) | 0.4 (4/22/2015) | (0.566 - 0.4)/(34 - 10) | 0.00691667 |
| 0.35 (9/2/2021) | 0.4 (4/22/2015) | (0.35 - 0.4)/(35 - 10) | -0.002 |
| ND<0.25 U (11/23/2021) | 0.4 (4/22/2015) | (0.25 - 0.4)/(36 - 10) | -0.00576923 |
| 1.5 (1/11/2022) | 0.4 (4/22/2015) | (1.5 - 0.4)/(37 - 10) | 0.0407407 |
| 0.548 (4/7/2022) | 0.4 (4/22/2015) | (0.548 - 0.4)/(38 - 10) | 0.00528571 |
| 0.332 (8/2/2022) | 0.4 (4/22/2015) | (0.332 - 0.4)/(39 - 10) | -0.00234483 |
| ND<0.25 U (11/16/2022) | 0.4 (4/22/2015) | (0.25 - 0.4)/(40 - 10) | -0.005 |
| 0.423 (2/14/2023) | 0.4 (4/22/2015) | (0.423 - 0.4)/(41 - 10) | 0.000741935 |
| 0.945 (5/25/2023) | 0.4 (4/22/2015) | (0.945 - 0.4)/(42 - 10) | 0.0170312 |
| 0.604 (8/7/2023) | 0.4 (4/22/2015) | (0.604 - 0.4)/(43 - 10) | 0.00618182 |
| 0.451 (12/12/2023) | 0.4 (4/22/2015) | (0.451 - 0.4)/(44 - 10) | 0.0015 |
| 0.785 (1/10/2024) | 0.4 (4/22/2015) | (0.785 - 0.4)/(45 - 10) | 0.011 |
| 0.667 (5/21/2024) | 0.4 (4/22/2015) | (0.667 - 0.4)/(46 - 10) | 0.00741667 |
| 0.738 (9/16/2024) | 0.4 (4/22/2015) | (0.738 - 0.4)/(47 - 10) | 0.00913514 |
| 0.561 (12/11/2024) | 0.4 (4/22/2015) | (0.561 - 0.4)/(48 - 10) | 0.00423684 |
| 0.501 (2/18/2025) | 0.4 (4/22/2015) | (0.501 - 0.4)/(49 - 10) | 0.00258974 |
| | | | |
| 0.63 (11/19/2015) | 0.45 (9/30/2015) | (0.63 - 0.45)/(12 - 11) | 0.18 |
| 0.43 (3/15/2016) | 0.45 (9/30/2015) | (0.43 - 0.45)/(13 - 11) | -0.01 |

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|---|---|---|---|
| 0.46 (6/29/2016) | 0.45 (9/30/2015) | (0.46 - 0.45)/(14 - 11) | 0.00333333 |
| 0.55 (8/9/2016) | 0.45 (9/30/2015) | (0.55 - 0.45)/(15 - 11) | 0.025 |
| 0.25 (12/7/2016) | 0.45 (9/30/2015) | (0.25 - 0.45)/(16 - 11) | -0.04 |
| 0.61 (3/2/2017) | 0.45 (9/30/2015) | (0.61 - 0.45)/(17 - 11) | 0.0266667 |
| 0.36 (7/5/2017) | 0.45 (9/30/2015) | (0.36 - 0.45)/(18 - 11) | -0.0128571 |
| 0.4 (8/16/2017) | 0.45 (9/30/2015) | (0.4 - 0.45)/(19 - 11) | -0.00625 |
| 0.47 (10/25/2017) | 0.45 (9/30/2015) | (0.47 - 0.45)/(20 - 11) | 0.00222222 |
| ND<0.25 U (3/28/2018) | 0.45 (9/30/2015) | (0.25 - 0.45)/(21 - 11) | -0.02 |
| 0.722 (6/29/2018) | 0.45 (9/30/2015) | (0.722 - 0.45)/(22 - 11) | 0.0247273 |
| 0.848 (8/2/2018) | 0.45 (9/30/2015) | (0.848 - 0.45)/(23 - 11) | 0.0331667 |
| 1.4 (12/10/2018) | 0.45 (9/30/2015) | (1.4 - 0.45)/(24 - 11) | 0.0730769 |
| 0.403 (4/15/2019) | 0.45 (9/30/2015) | (0.403 - 0.45)/(25 - 11) | -0.00335714 |
| 0.25 (6/12/2019) | 0.45 (9/30/2015) | (0.25 - 0.45)/(26 - 11) | -0.0133333 |
| 0.391 (8/27/2019) | 0.45 (9/30/2015) | (0.391 - 0.45)/(27 - 11) | -0.0036875 |
| 0.478 (10/29/2019) | 0.45 (9/30/2015) | (0.478 - 0.45)/(28 - 11) | 0.00164706 |
| 0.451 (3/30/2020) | 0.45 (9/30/2015) | (0.451 - 0.45)/(29 - 11) | 5.55556e-05 |
| 0.56 (6/16/2020) | 0.45 (9/30/2015) | (0.56 - 0.45)/(30 - 11) | 0.00578947 |
| 0.307 (9/21/2020) | 0.45 (9/30/2015) | (0.307 - 0.45)/(31 - 11) | -0.00715 |
| 0.497 (12/17/2020) | 0.45 (9/30/2015) | (0.497 - 0.45)/(32 - 11) | 0.0022381 |
| 0.779 (3/18/2021) | 0.45 (9/30/2015) | (0.779 - 0.45)/(33 - 11) | 0.0149545 |
| 0.566 (5/5/2021) | 0.45 (9/30/2015) | (0.566 - 0.45)/(34 - 11) | 0.00504348 |
| 0.35 (9/2/2021) | 0.45 (9/30/2015) | (0.35 - 0.45)/(35 - 11) | -0.00416667 |
| ND<0.25 U (11/23/2021) | 0.45 (9/30/2015) | (0.25 - 0.45)/(36 - 11) | -0.008 |
| 1.5 (1/11/2022) | 0.45 (9/30/2015) | (1.5 - 0.45)/(37 - 11) | 0.0403846 |
| 0.548 (4/7/2022) | 0.45 (9/30/2015) | (0.548 - 0.45)/(38 - 11) | 0.00362963 |
| 0.332 (8/2/2022) | 0.45 (9/30/2015) | (0.332 - 0.45)/(39 - 11) | -0.00421429 |
| ND<0.25 U (11/16/2022) | 0.45 (9/30/2015) | (0.25 - 0.45)/(40 - 11) | -0.00689655 |
| 0.423 (2/14/2023) | 0.45 (9/30/2015) | (0.423 - 0.45)/(41 - 11) | -0.0009 |
| 0.945 (5/25/2023) | 0.45 (9/30/2015) | (0.945 - 0.45)/(42 - 11) | 0.0159677 |
| 0.604 (8/7/2023) | 0.45 (9/30/2015) | (0.604 - 0.45)/(43 - 11) | 0.0048125 |
| 0.451 (12/12/2023) | 0.45 (9/30/2015) | (0.451 - 0.45)/(44 - 11) | 3.0303e-05 |
| 0.785 (1/10/2024) | 0.45 (9/30/2015) | (0.785 - 0.45)/(45 - 11) | 0.00985294 |
| 0.667 (5/21/2024) | 0.45 (9/30/2015) | (0.667 - 0.45)/(46 - 11) | 0.0062 |
| 0.738 (9/16/2024) | 0.45 (9/30/2015) | (0.738 - 0.45)/(47 - 11) | 0.008 |
| 0.561 (12/11/2024) | 0.45 (9/30/2015) | (0.561 - 0.45)/(48 - 11) | 0.003 |
| 0.501 (2/18/2025) | 0.45 (9/30/2015) | (0.501 - 0.45)/(49 - 11) | 0.00134211 |
| | | | |
| 0.43 (3/15/2016) | 0.63 (11/19/2015) | (0.43 - 0.63)/(13 - 12) | -0.2 |
| 0.46 (6/29/2016) | 0.63 (11/19/2015) | (0.46 - 0.63)/(14 - 12) | -0.085 |
| 0.55 (8/9/2016) | 0.63 (11/19/2015) | (0.55 - 0.63)/(15 - 12) | -0.0266667 |
| 0.25 (12/7/2016) | 0.63 (11/19/2015) | (0.25 - 0.63)/(16 - 12) | -0.095 |
| 0.61 (3/2/2017) | 0.63 (11/19/2015) | (0.61 - 0.63)/(17 - 12) | -0.004 |
| 0.36 (7/5/2017) | 0.63 (11/19/2015) | (0.36 - 0.63)/(18 - 12) | -0.045 |
| 0.4 (8/16/2017) | 0.63 (11/19/2015) | (0.4 - 0.63)/(19 - 12) | -0.0328571 |
| 0.47 (10/25/2017) | 0.63 (11/19/2015) | (0.47 - 0.63)/(20 - 12) | -0.02 |
| ND<0.25 U (3/28/2018) | 0.63 (11/19/2015) | (0.25 - 0.63)/(21 - 12) | -0.0422222 |
| 0.722 (6/29/2018) | 0.63 (11/19/2015) | (0.722 - 0.63)/(22 - 12) | 0.0092 |
| 0.848 (8/2/2018) | 0.63 (11/19/2015) | (0.848 - 0.63)/(23 - 12) | 0.0198182 |
| 1.4 (12/10/2018) | 0.63 (11/19/2015) | (1.4 - 0.63)/(24 - 12) | 0.0641667 |
| 0.403 (4/15/2019) | 0.63 (11/19/2015) | (0.403 - 0.63)/(25 - 12) | -0.0174615 |
| 0.25 (6/12/2019) | 0.63 (11/19/2015) | (0.25 - 0.63)/(26 - 12) | -0.0271429 |
| 0.391 (8/27/2019) | 0.63 (11/19/2015) | (0.391 - 0.63)/(27 - 12) | -0.0159333 |
| 0.478 (10/29/2019) | 0.63 (11/19/2015) | (0.478 - 0.63)/(28 - 12) | -0.0095 |
| 0.451 (3/30/2020) | 0.63 (11/19/2015) | (0.451 - 0.63)/(29 - 12) | -0.0105294 |
| 0.56 (6/16/2020) | 0.63 (11/19/2015) | (0.56 - 0.63)/(30 - 12) | -0.00388889 |
| 0.307 (9/21/2020) | 0.63 (11/19/2015) | (0.307 - 0.63)/(31 - 12) | -0.017 |
| 0.497 (12/17/2020) | 0.63 (11/19/2015) | (0.497 - 0.63)/(32 - 12) | -0.00665 |

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|---|---|---|---|
| 0.779 (3/18/2021) | 0.63 (11/19/2015) | (0.779 - 0.63)/(33 - 12) | 0.00709524 |
| 0.566 (5/5/2021) | 0.63 (11/19/2015) | (0.566 - 0.63)/(34 - 12) | -0.00290909 |
| 0.35 (9/2/2021) | 0.63 (11/19/2015) | (0.35 - 0.63)/(35 - 12) | -0.0121739 |
| ND<0.25 U (11/23/2021) | 0.63 (11/19/2015) | (0.25 - 0.63)/(36 - 12) | -0.0158333 |
| 1.5 (1/11/2022) | 0.63 (11/19/2015) | (1.5 - 0.63)/(37 - 12) | 0.0348 |
| 0.548 (4/7/2022) | 0.63 (11/19/2015) | (0.548 - 0.63)/(38 - 12) | -0.00315385 |
| 0.332 (8/2/2022) | 0.63 (11/19/2015) | (0.332 - 0.63)/(39 - 12) | -0.011037 |
| ND<0.25 U (11/16/2022) | 0.63 (11/19/2015) | (0.25 - 0.63)/(40 - 12) | -0.0135714 |
| 0.423 (2/14/2023) | 0.63 (11/19/2015) | (0.423 - 0.63)/(41 - 12) | -0.00713793 |
| 0.945 (5/25/2023) | 0.63 (11/19/2015) | (0.945 - 0.63)/(42 - 12) | 0.0105 |
| 0.604 (8/7/2023) | 0.63 (11/19/2015) | (0.604 - 0.63)/(43 - 12) | -0.00083871 |
| 0.451 (12/12/2023) | 0.63 (11/19/2015) | (0.451 - 0.63)/(44 - 12) | -0.00559375 |
| 0.785 (1/10/2024) | 0.63 (11/19/2015) | (0.785 - 0.63)/(45 - 12) | 0.00469697 |
| 0.667 (5/21/2024) | 0.63 (11/19/2015) | (0.667 - 0.63)/(46 - 12) | 0.00108824 |
| 0.738 (9/16/2024) | 0.63 (11/19/2015) | (0.738 - 0.63)/(47 - 12) | 0.00308571 |
| 0.561 (12/11/2024) | 0.63 (11/19/2015) | (0.561 - 0.63)/(48 - 12) | -0.00191667 |
| 0.501 (2/18/2025) | 0.63 (11/19/2015) | (0.501 - 0.63)/(49 - 12) | -0.00348649 |
| | | | |
| 0.46 (6/29/2016) | 0.43 (3/15/2016) | (0.46 - 0.43)/(14 - 13) | 0.03 |
| 0.55 (8/9/2016) | 0.43 (3/15/2016) | (0.55 - 0.43)/(15 - 13) | 0.06 |
| 0.25 (12/7/2016) | 0.43 (3/15/2016) | (0.25 - 0.43)/(16 - 13) | -0.06 |
| 0.61 (3/2/2017) | 0.43 (3/15/2016) | (0.61 - 0.43)/(17 - 13) | 0.045 |
| 0.36 (7/5/2017) | 0.43 (3/15/2016) | (0.36 - 0.43)/(18 - 13) | -0.014 |
| 0.4 (8/16/2017) | 0.43 (3/15/2016) | (0.4 - 0.43)/(19 - 13) | -0.005 |
| 0.47 (10/25/2017) | 0.43 (3/15/2016) | (0.47 - 0.43)/(20 - 13) | 0.00571429 |
| ND<0.25 U (3/28/2018) | 0.43 (3/15/2016) | (0.25 - 0.43)/(21 - 13) | -0.0225 |
| 0.722 (6/29/2018) | 0.43 (3/15/2016) | (0.722 - 0.43)/(22 - 13) | 0.0324444 |
| 0.848 (8/2/2018) | 0.43 (3/15/2016) | (0.848 - 0.43)/(23 - 13) | 0.0418 |
| 1.4 (12/10/2018) | 0.43 (3/15/2016) | (1.4 - 0.43)/(24 - 13) | 0.0881818 |
| 0.403 (4/15/2019) | 0.43 (3/15/2016) | (0.403 - 0.43)/(25 - 13) | -0.00225 |
| 0.25 (6/12/2019) | 0.43 (3/15/2016) | (0.25 - 0.43)/(26 - 13) | -0.0138462 |
| 0.391 (8/27/2019) | 0.43 (3/15/2016) | (0.391 - 0.43)/(27 - 13) | -0.00278571 |
| 0.478 (10/29/2019) | 0.43 (3/15/2016) | (0.478 - 0.43)/(28 - 13) | 0.0032 |
| 0.451 (3/30/2020) | 0.43 (3/15/2016) | (0.451 - 0.43)/(29 - 13) | 0.0013125 |
| 0.56 (6/16/2020) | 0.43 (3/15/2016) | (0.56 - 0.43)/(30 - 13) | 0.00764706 |
| 0.307 (9/21/2020) | 0.43 (3/15/2016) | (0.307 - 0.43)/(31 - 13) | -0.00683333 |
| 0.497 (12/17/2020) | 0.43 (3/15/2016) | (0.497 - 0.43)/(32 - 13) | 0.00352632 |
| 0.779 (3/18/2021) | 0.43 (3/15/2016) | (0.779 - 0.43)/(33 - 13) | 0.01745 |
| 0.566 (5/5/2021) | 0.43 (3/15/2016) | (0.566 - 0.43)/(34 - 13) | 0.00647619 |
| 0.35 (9/2/2021) | 0.43 (3/15/2016) | (0.35 - 0.43)/(35 - 13) | -0.00363636 |
| ND<0.25 U (11/23/2021) | 0.43 (3/15/2016) | (0.25 - 0.43)/(36 - 13) | -0.00782609 |
| 1.5 (1/11/2022) | 0.43 (3/15/2016) | (1.5 - 0.43)/(37 - 13) | 0.0445833 |
| 0.548 (4/7/2022) | 0.43 (3/15/2016) | (0.548 - 0.43)/(38 - 13) | 0.00472 |
| 0.332 (8/2/2022) | 0.43 (3/15/2016) | (0.332 - 0.43)/(39 - 13) | -0.00376923 |
| ND<0.25 U (11/16/2022) | 0.43 (3/15/2016) | (0.25 - 0.43)/(40 - 13) | -0.00666667 |
| 0.423 (2/14/2023) | 0.43 (3/15/2016) | (0.423 - 0.43)/(41 - 13) | -0.00025 |
| 0.945 (5/25/2023) | 0.43 (3/15/2016) | (0.945 - 0.43)/(42 - 13) | 0.0177586 |
| 0.604 (8/7/2023) | 0.43 (3/15/2016) | (0.604 - 0.43)/(43 - 13) | 0.0058 |
| 0.451 (12/12/2023) | 0.43 (3/15/2016) | (0.451 - 0.43)/(44 - 13) | 0.000677419 |
| 0.785 (1/10/2024) | 0.43 (3/15/2016) | (0.785 - 0.43)/(45 - 13) | 0.0110938 |
| 0.667 (5/21/2024) | 0.43 (3/15/2016) | (0.667 - 0.43)/(46 - 13) | 0.00718182 |
| 0.738 (9/16/2024) | 0.43 (3/15/2016) | (0.738 - 0.43)/(47 - 13) | 0.00905882 |
| 0.561 (12/11/2024) | 0.43 (3/15/2016) | (0.561 - 0.43)/(48 - 13) | 0.00374286 |
| 0.501 (2/18/2025) | 0.43 (3/15/2016) | (0.501 - 0.43)/(49 - 13) | 0.00197222 |
| | | | |
| 0.55 (8/9/2016) | 0.46 (6/29/2016) | (0.55 - 0.46)/(15 - 14) | 0.09 |
| 0.25 (12/7/2016) | 0.46 (6/29/2016) | (0.25 - 0.46)/(16 - 14) | -0.105 |

| | | | |
|---|---|---|---|
| 0.61 (3/2/2017) | 0.46 (6/29/2016) | (0.61 - 0.46)/(17 - 14) | 0.05 |
| 0.36 (7/5/2017) | 0.46 (6/29/2016) | (0.36 - 0.46)/(18 - 14) | -0.025 |
| 0.4 (8/16/2017) | 0.46 (6/29/2016) | (0.4 - 0.46)/(19 - 14) | -0.012 |
| 0.47 (10/25/2017) | 0.46 (6/29/2016) | (0.47 - 0.46)/(20 - 14) | 0.00166667 |
| ND<0.25 U (3/28/2018) | 0.46 (6/29/2016) | (0.25 - 0.46)/(21 - 14) | -0.03 |
| 0.722 (6/29/2018) | 0.46 (6/29/2016) | (0.722 - 0.46)/(22 - 14) | 0.03275 |
| 0.848 (8/2/2018) | 0.46 (6/29/2016) | (0.848 - 0.46)/(23 - 14) | 0.0431111 |
| 1.4 (12/10/2018) | 0.46 (6/29/2016) | (1.4 - 0.46)/(24 - 14) | 0.094 |
| 0.403 (4/15/2019) | 0.46 (6/29/2016) | (0.403 - 0.46)/(25 - 14) | -0.00518182 |
| 0.25 (6/12/2019) | 0.46 (6/29/2016) | (0.25 - 0.46)/(26 - 14) | -0.0175 |
| 0.391 (8/27/2019) | 0.46 (6/29/2016) | (0.391 - 0.46)/(27 - 14) | -0.00530769 |
| 0.478 (10/29/2019) | 0.46 (6/29/2016) | (0.478 - 0.46)/(28 - 14) | 0.00128571 |
| 0.451 (3/30/2020) | 0.46 (6/29/2016) | (0.451 - 0.46)/(29 - 14) | -0.0006 |
| 0.56 (6/16/2020) | 0.46 (6/29/2016) | (0.56 - 0.46)/(30 - 14) | 0.00625 |
| 0.307 (9/21/2020) | 0.46 (6/29/2016) | (0.307 - 0.46)/(31 - 14) | -0.009 |
| 0.497 (12/17/2020) | 0.46 (6/29/2016) | (0.497 - 0.46)/(32 - 14) | 0.00205556 |
| 0.779 (3/18/2021) | 0.46 (6/29/2016) | (0.779 - 0.46)/(33 - 14) | 0.0167895 |
| 0.566 (5/5/2021) | 0.46 (6/29/2016) | (0.566 - 0.46)/(34 - 14) | 0.0053 |
| 0.35 (9/2/2021) | 0.46 (6/29/2016) | (0.35 - 0.46)/(35 - 14) | -0.0052381 |
| ND<0.25 U (11/23/2021) | 0.46 (6/29/2016) | (0.25 - 0.46)/(36 - 14) | -0.00954545 |
| 1.5 (1/11/2022) | 0.46 (6/29/2016) | (1.5 - 0.46)/(37 - 14) | 0.0452174 |
| 0.548 (4/7/2022) | 0.46 (6/29/2016) | (0.548 - 0.46)/(38 - 14) | 0.00366667 |
| 0.332 (8/2/2022) | 0.46 (6/29/2016) | (0.332 - 0.46)/(39 - 14) | -0.00512 |
| ND<0.25 U (11/16/2022) | 0.46 (6/29/2016) | (0.25 - 0.46)/(40 - 14) | -0.00807692 |
| 0.423 (2/14/2023) | 0.46 (6/29/2016) | (0.423 - 0.46)/(41 - 14) | -0.00137037 |
| 0.945 (5/25/2023) | 0.46 (6/29/2016) | (0.945 - 0.46)/(42 - 14) | 0.0173214 |
| 0.604 (8/7/2023) | 0.46 (6/29/2016) | (0.604 - 0.46)/(43 - 14) | 0.00496552 |
| 0.451 (12/12/2023) | 0.46 (6/29/2016) | (0.451 - 0.46)/(44 - 14) | -0.0003 |
| 0.785 (1/10/2024) | 0.46 (6/29/2016) | (0.785 - 0.46)/(45 - 14) | 0.0104839 |
| 0.667 (5/21/2024) | 0.46 (6/29/2016) | (0.667 - 0.46)/(46 - 14) | 0.00646875 |
| 0.738 (9/16/2024) | 0.46 (6/29/2016) | (0.738 - 0.46)/(47 - 14) | 0.00842424 |
| 0.561 (12/11/2024) | 0.46 (6/29/2016) | (0.561 - 0.46)/(48 - 14) | 0.00297059 |
| 0.501 (2/18/2025) | 0.46 (6/29/2016) | (0.501 - 0.46)/(49 - 14) | 0.00117143 |

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|---|---|---|---|
| 0.25 (12/7/2016) | 0.55 (8/9/2016) | (0.25 - 0.55)/(16 - 15) | -0.3 |
| 0.61 (3/2/2017) | 0.55 (8/9/2016) | (0.61 - 0.55)/(17 - 15) | 0.03 |
| 0.36 (7/5/2017) | 0.55 (8/9/2016) | (0.36 - 0.55)/(18 - 15) | -0.0633333 |
| 0.4 (8/16/2017) | 0.55 (8/9/2016) | (0.4 - 0.55)/(19 - 15) | -0.0375 |
| 0.47 (10/25/2017) | 0.55 (8/9/2016) | (0.47 - 0.55)/(20 - 15) | -0.016 |
| ND<0.25 U (3/28/2018) | 0.55 (8/9/2016) | (0.25 - 0.55)/(21 - 15) | -0.05 |
| 0.722 (6/29/2018) | 0.55 (8/9/2016) | (0.722 - 0.55)/(22 - 15) | 0.0245714 |
| 0.848 (8/2/2018) | 0.55 (8/9/2016) | (0.848 - 0.55)/(23 - 15) | 0.03725 |
| 1.4 (12/10/2018) | 0.55 (8/9/2016) | (1.4 - 0.55)/(24 - 15) | 0.0944444 |
| 0.403 (4/15/2019) | 0.55 (8/9/2016) | (0.403 - 0.55)/(25 - 15) | -0.0147 |
| 0.25 (6/12/2019) | 0.55 (8/9/2016) | (0.25 - 0.55)/(26 - 15) | -0.0272727 |
| 0.391 (8/27/2019) | 0.55 (8/9/2016) | (0.391 - 0.55)/(27 - 15) | -0.01325 |
| 0.478 (10/29/2019) | 0.55 (8/9/2016) | (0.478 - 0.55)/(28 - 15) | -0.00553846 |
| 0.451 (3/30/2020) | 0.55 (8/9/2016) | (0.451 - 0.55)/(29 - 15) | -0.00707143 |
| 0.56 (6/16/2020) | 0.55 (8/9/2016) | (0.56 - 0.55)/(30 - 15) | 0.000666667 |
| 0.307 (9/21/2020) | 0.55 (8/9/2016) | (0.307 - 0.55)/(31 - 15) | -0.0151875 |
| 0.497 (12/17/2020) | 0.55 (8/9/2016) | (0.497 - 0.55)/(32 - 15) | -0.00311765 |
| 0.779 (3/18/2021) | 0.55 (8/9/2016) | (0.779 - 0.55)/(33 - 15) | 0.0127222 |
| 0.566 (5/5/2021) | 0.55 (8/9/2016) | (0.566 - 0.55)/(34 - 15) | 0.000842105 |
| 0.35 (9/2/2021) | 0.55 (8/9/2016) | (0.35 - 0.55)/(35 - 15) | -0.01 |
| ND<0.25 U (11/23/2021) | 0.55 (8/9/2016) | (0.25 - 0.55)/(36 - 15) | -0.0142857 |
| 1.5 (1/11/2022) | 0.55 (8/9/2016) | (1.5 - 0.55)/(37 - 15) | 0.0431818 |
| 0.548 (4/7/2022) | 0.55 (8/9/2016) | (0.548 - 0.55)/(38 - 15) | -8.69565e-05 |

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|---|---|---|---|
| 0.332 (8/2/2022) | 0.55 (8/9/2016) | (0.332 - 0.55)/(39 - 15) | -0.00908333 |
| ND<0.25 U (11/16/2022) | 0.55 (8/9/2016) | (0.25 - 0.55)/(40 - 15) | -0.012 |
| 0.423 (2/14/2023) | 0.55 (8/9/2016) | (0.423 - 0.55)/(41 - 15) | -0.00488462 |
| 0.945 (5/25/2023) | 0.55 (8/9/2016) | (0.945 - 0.55)/(42 - 15) | 0.0146296 |
| 0.604 (8/7/2023) | 0.55 (8/9/2016) | (0.604 - 0.55)/(43 - 15) | 0.00192857 |
| 0.451 (12/12/2023) | 0.55 (8/9/2016) | (0.451 - 0.55)/(44 - 15) | -0.00341379 |
| 0.785 (1/10/2024) | 0.55 (8/9/2016) | (0.785 - 0.55)/(45 - 15) | 0.00783333 |
| 0.667 (5/21/2024) | 0.55 (8/9/2016) | (0.667 - 0.55)/(46 - 15) | 0.00377419 |
| 0.738 (9/16/2024) | 0.55 (8/9/2016) | (0.738 - 0.55)/(47 - 15) | 0.005875 |
| 0.561 (12/11/2024) | 0.55 (8/9/2016) | (0.561 - 0.55)/(48 - 15) | 0.000333333 |
| 0.501 (2/18/2025) | 0.55 (8/9/2016) | (0.501 - 0.55)/(49 - 15) | -0.00144118 |
| | | | |
| 0.61 (3/2/2017) | 0.25 (12/7/2016) | (0.61 - 0.25)/(17 - 16) | 0.36 |
| 0.36 (7/5/2017) | 0.25 (12/7/2016) | (0.36 - 0.25)/(18 - 16) | 0.055 |
| 0.4 (8/16/2017) | 0.25 (12/7/2016) | (0.4 - 0.25)/(19 - 16) | 0.05 |
| 0.47 (10/25/2017) | 0.25 (12/7/2016) | (0.47 - 0.25)/(20 - 16) | 0.055 |
| ND<0.25 U (3/28/2018) | 0.25 (12/7/2016) | (0.25 - 0.25)/(21 - 16) | 0 |
| 0.722 (6/29/2018) | 0.25 (12/7/2016) | (0.722 - 0.25)/(22 - 16) | 0.0786667 |
| 0.848 (8/2/2018) | 0.25 (12/7/2016) | (0.848 - 0.25)/(23 - 16) | 0.0854286 |
| 1.4 (12/10/2018) | 0.25 (12/7/2016) | (1.4 - 0.25)/(24 - 16) | 0.14375 |
| 0.403 (4/15/2019) | 0.25 (12/7/2016) | (0.403 - 0.25)/(25 - 16) | 0.017 |
| 0.25 (6/12/2019) | 0.25 (12/7/2016) | (0.25 - 0.25)/(26 - 16) | 0 |
| 0.391 (8/27/2019) | 0.25 (12/7/2016) | (0.391 - 0.25)/(27 - 16) | 0.0128182 |
| 0.478 (10/29/2019) | 0.25 (12/7/2016) | (0.478 - 0.25)/(28 - 16) | 0.019 |
| 0.451 (3/30/2020) | 0.25 (12/7/2016) | (0.451 - 0.25)/(29 - 16) | 0.0154615 |
| 0.56 (6/16/2020) | 0.25 (12/7/2016) | (0.56 - 0.25)/(30 - 16) | 0.0221429 |
| 0.307 (9/21/2020) | 0.25 (12/7/2016) | (0.307 - 0.25)/(31 - 16) | 0.0038 |
| 0.497 (12/17/2020) | 0.25 (12/7/2016) | (0.497 - 0.25)/(32 - 16) | 0.0154375 |
| 0.779 (3/18/2021) | 0.25 (12/7/2016) | (0.779 - 0.25)/(33 - 16) | 0.0311176 |
| 0.566 (5/5/2021) | 0.25 (12/7/2016) | (0.566 - 0.25)/(34 - 16) | 0.0175556 |
| 0.35 (9/2/2021) | 0.25 (12/7/2016) | (0.35 - 0.25)/(35 - 16) | 0.00526316 |
| ND<0.25 U (11/23/2021) | 0.25 (12/7/2016) | (0.25 - 0.25)/(36 - 16) | 0 |
| 1.5 (1/11/2022) | 0.25 (12/7/2016) | (1.5 - 0.25)/(37 - 16) | 0.0595238 |
| 0.548 (4/7/2022) | 0.25 (12/7/2016) | (0.548 - 0.25)/(38 - 16) | 0.0135455 |
| 0.332 (8/2/2022) | 0.25 (12/7/2016) | (0.332 - 0.25)/(39 - 16) | 0.00356522 |
| ND<0.25 U (11/16/2022) | 0.25 (12/7/2016) | (0.25 - 0.25)/(40 - 16) | 0 |
| 0.423 (2/14/2023) | 0.25 (12/7/2016) | (0.423 - 0.25)/(41 - 16) | 0.00692 |
| 0.945 (5/25/2023) | 0.25 (12/7/2016) | (0.945 - 0.25)/(42 - 16) | 0.0267308 |
| 0.604 (8/7/2023) | 0.25 (12/7/2016) | (0.604 - 0.25)/(43 - 16) | 0.0131111 |
| 0.451 (12/12/2023) | 0.25 (12/7/2016) | (0.451 - 0.25)/(44 - 16) | 0.00717857 |
| 0.785 (1/10/2024) | 0.25 (12/7/2016) | (0.785 - 0.25)/(45 - 16) | 0.0184483 |
| 0.667 (5/21/2024) | 0.25 (12/7/2016) | (0.667 - 0.25)/(46 - 16) | 0.0139 |
| 0.738 (9/16/2024) | 0.25 (12/7/2016) | (0.738 - 0.25)/(47 - 16) | 0.0157419 |
| 0.561 (12/11/2024) | 0.25 (12/7/2016) | (0.561 - 0.25)/(48 - 16) | 0.00971875 |
| 0.501 (2/18/2025) | 0.25 (12/7/2016) | (0.501 - 0.25)/(49 - 16) | 0.00760606 |
| | | | |
| 0.36 (7/5/2017) | 0.61 (3/2/2017) | (0.36 - 0.61)/(18 - 17) | -0.25 |
| 0.4 (8/16/2017) | 0.61 (3/2/2017) | (0.4 - 0.61)/(19 - 17) | -0.105 |
| 0.47 (10/25/2017) | 0.61 (3/2/2017) | (0.47 - 0.61)/(20 - 17) | -0.0466667 |
| ND<0.25 U (3/28/2018) | 0.61 (3/2/2017) | (0.25 - 0.61)/(21 - 17) | -0.09 |
| 0.722 (6/29/2018) | 0.61 (3/2/2017) | (0.722 - 0.61)/(22 - 17) | 0.0224 |
| 0.848 (8/2/2018) | 0.61 (3/2/2017) | (0.848 - 0.61)/(23 - 17) | 0.0396667 |
| 1.4 (12/10/2018) | 0.61 (3/2/2017) | (1.4 - 0.61)/(24 - 17) | 0.112857 |
| 0.403 (4/15/2019) | 0.61 (3/2/2017) | (0.403 - 0.61)/(25 - 17) | -0.025875 |
| 0.25 (6/12/2019) | 0.61 (3/2/2017) | (0.25 - 0.61)/(26 - 17) | -0.04 |
| 0.391 (8/27/2019) | 0.61 (3/2/2017) | (0.391 - 0.61)/(27 - 17) | -0.0219 |
| 0.478 (10/29/2019) | 0.61 (3/2/2017) | (0.478 - 0.61)/(28 - 17) | -0.012 |

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|---|---|---|---|
| 0.451 (3/30/2020) | 0.61 (3/2/2017) | (0.451 - 0.61)/(29 - 17) | -0.01325 |
| 0.56 (6/16/2020) | 0.61 (3/2/2017) | (0.56 - 0.61)/(30 - 17) | -0.00384615 |
| 0.307 (9/21/2020) | 0.61 (3/2/2017) | (0.307 - 0.61)/(31 - 17) | -0.0216429 |
| 0.497 (12/17/2020) | 0.61 (3/2/2017) | (0.497 - 0.61)/(32 - 17) | -0.00753333 |
| 0.779 (3/18/2021) | 0.61 (3/2/2017) | (0.779 - 0.61)/(33 - 17) | 0.0105625 |
| 0.566 (5/5/2021) | 0.61 (3/2/2017) | (0.566 - 0.61)/(34 - 17) | -0.00258824 |
| 0.35 (9/2/2021) | 0.61 (3/2/2017) | (0.35 - 0.61)/(35 - 17) | -0.0144444 |
| ND<0.25 U (11/23/2021) | 0.61 (3/2/2017) | (0.25 - 0.61)/(36 - 17) | -0.0189474 |
| 1.5 (1/11/2022) | 0.61 (3/2/2017) | (1.5 - 0.61)/(37 - 17) | 0.0445 |
| 0.548 (4/7/2022) | 0.61 (3/2/2017) | (0.548 - 0.61)/(38 - 17) | -0.00295238 |
| 0.332 (8/2/2022) | 0.61 (3/2/2017) | (0.332 - 0.61)/(39 - 17) | -0.0126364 |
| ND<0.25 U (11/16/2022) | 0.61 (3/2/2017) | (0.25 - 0.61)/(40 - 17) | -0.0156522 |
| 0.423 (2/14/2023) | 0.61 (3/2/2017) | (0.423 - 0.61)/(41 - 17) | -0.00779167 |
| 0.945 (5/25/2023) | 0.61 (3/2/2017) | (0.945 - 0.61)/(42 - 17) | 0.0134 |
| 0.604 (8/7/2023) | 0.61 (3/2/2017) | (0.604 - 0.61)/(43 - 17) | -0.000230769 |
| 0.451 (12/12/2023) | 0.61 (3/2/2017) | (0.451 - 0.61)/(44 - 17) | -0.00588889 |
| 0.785 (1/10/2024) | 0.61 (3/2/2017) | (0.785 - 0.61)/(45 - 17) | 0.00625 |
| 0.667 (5/21/2024) | 0.61 (3/2/2017) | (0.667 - 0.61)/(46 - 17) | 0.00196552 |
| 0.738 (9/16/2024) | 0.61 (3/2/2017) | (0.738 - 0.61)/(47 - 17) | 0.00426667 |
| 0.561 (12/11/2024) | 0.61 (3/2/2017) | (0.561 - 0.61)/(48 - 17) | -0.00158065 |
| 0.501 (2/18/2025) | 0.61 (3/2/2017) | (0.501 - 0.61)/(49 - 17) | -0.00340625 |
| | | | |
| 0.4 (8/16/2017) | 0.36 (7/5/2017) | (0.4 - 0.36)/(19 - 18) | 0.04 |
| 0.47 (10/25/2017) | 0.36 (7/5/2017) | (0.47 - 0.36)/(20 - 18) | 0.055 |
| ND<0.25 U (3/28/2018) | 0.36 (7/5/2017) | (0.25 - 0.36)/(21 - 18) | -0.0366667 |
| 0.722 (6/29/2018) | 0.36 (7/5/2017) | (0.722 - 0.36)/(22 - 18) | 0.0905 |
| 0.848 (8/2/2018) | 0.36 (7/5/2017) | (0.848 - 0.36)/(23 - 18) | 0.0976 |
| 1.4 (12/10/2018) | 0.36 (7/5/2017) | (1.4 - 0.36)/(24 - 18) | 0.173333 |
| 0.403 (4/15/2019) | 0.36 (7/5/2017) | (0.403 - 0.36)/(25 - 18) | 0.00614286 |
| 0.25 (6/12/2019) | 0.36 (7/5/2017) | (0.25 - 0.36)/(26 - 18) | -0.01375 |
| 0.391 (8/27/2019) | 0.36 (7/5/2017) | (0.391 - 0.36)/(27 - 18) | 0.00344444 |
| 0.478 (10/29/2019) | 0.36 (7/5/2017) | (0.478 - 0.36)/(28 - 18) | 0.0118 |
| 0.451 (3/30/2020) | 0.36 (7/5/2017) | (0.451 - 0.36)/(29 - 18) | 0.00827273 |
| 0.56 (6/16/2020) | 0.36 (7/5/2017) | (0.56 - 0.36)/(30 - 18) | 0.0166667 |
| 0.307 (9/21/2020) | 0.36 (7/5/2017) | (0.307 - 0.36)/(31 - 18) | -0.00407692 |
| 0.497 (12/17/2020) | 0.36 (7/5/2017) | (0.497 - 0.36)/(32 - 18) | 0.00978571 |
| 0.779 (3/18/2021) | 0.36 (7/5/2017) | (0.779 - 0.36)/(33 - 18) | 0.0279333 |
| 0.566 (5/5/2021) | 0.36 (7/5/2017) | (0.566 - 0.36)/(34 - 18) | 0.012875 |
| 0.35 (9/2/2021) | 0.36 (7/5/2017) | (0.35 - 0.36)/(35 - 18) | -0.000588235 |
| ND<0.25 U (11/23/2021) | 0.36 (7/5/2017) | (0.25 - 0.36)/(36 - 18) | -0.00611111 |
| 1.5 (1/11/2022) | 0.36 (7/5/2017) | (1.5 - 0.36)/(37 - 18) | 0.06 |
| 0.548 (4/7/2022) | 0.36 (7/5/2017) | (0.548 - 0.36)/(38 - 18) | 0.0094 |
| 0.332 (8/2/2022) | 0.36 (7/5/2017) | (0.332 - 0.36)/(39 - 18) | -0.00133333 |
| ND<0.25 U (11/16/2022) | 0.36 (7/5/2017) | (0.25 - 0.36)/(40 - 18) | -0.005 |
| 0.423 (2/14/2023) | 0.36 (7/5/2017) | (0.423 - 0.36)/(41 - 18) | 0.00273913 |
| 0.945 (5/25/2023) | 0.36 (7/5/2017) | (0.945 - 0.36)/(42 - 18) | 0.024375 |
| 0.604 (8/7/2023) | 0.36 (7/5/2017) | (0.604 - 0.36)/(43 - 18) | 0.00976 |
| 0.451 (12/12/2023) | 0.36 (7/5/2017) | (0.451 - 0.36)/(44 - 18) | 0.0035 |
| 0.785 (1/10/2024) | 0.36 (7/5/2017) | (0.785 - 0.36)/(45 - 18) | 0.0157407 |
| 0.667 (5/21/2024) | 0.36 (7/5/2017) | (0.667 - 0.36)/(46 - 18) | 0.0109643 |
| 0.738 (9/16/2024) | 0.36 (7/5/2017) | (0.738 - 0.36)/(47 - 18) | 0.0130345 |
| 0.561 (12/11/2024) | 0.36 (7/5/2017) | (0.561 - 0.36)/(48 - 18) | 0.0067 |
| 0.501 (2/18/2025) | 0.36 (7/5/2017) | (0.501 - 0.36)/(49 - 18) | 0.00454839 |
| | | | |
| 0.47 (10/25/2017) | 0.4 (8/16/2017) | (0.47 - 0.4)/(20 - 19) | 0.07 |
| ND<0.25 U (3/28/2018) | 0.4 (8/16/2017) | (0.25 - 0.4)/(21 - 19) | -0.075 |
| 0.722 (6/29/2018) | 0.4 (8/16/2017) | (0.722 - 0.4)/(22 - 19) | 0.107333 |

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|---|---|---|---|
| 0.848 (8/2/2018) | 0.4 (8/16/2017) | (0.848 - 0.4)/(23 - 19) | 0.112 |
| 1.4 (12/10/2018) | 0.4 (8/16/2017) | (1.4 - 0.4)/(24 - 19) | 0.2 |
| 0.403 (4/15/2019) | 0.4 (8/16/2017) | (0.403 - 0.4)/(25 - 19) | 0.0005 |
| 0.25 (6/12/2019) | 0.4 (8/16/2017) | (0.25 - 0.4)/(26 - 19) | -0.0214286 |
| 0.391 (8/27/2019) | 0.4 (8/16/2017) | (0.391 - 0.4)/(27 - 19) | -0.001125 |
| 0.478 (10/29/2019) | 0.4 (8/16/2017) | (0.478 - 0.4)/(28 - 19) | 0.00866667 |
| 0.451 (3/30/2020) | 0.4 (8/16/2017) | (0.451 - 0.4)/(29 - 19) | 0.0051 |
| 0.56 (6/16/2020) | 0.4 (8/16/2017) | (0.56 - 0.4)/(30 - 19) | 0.0145455 |
| 0.307 (9/21/2020) | 0.4 (8/16/2017) | (0.307 - 0.4)/(31 - 19) | -0.00775 |
| 0.497 (12/17/2020) | 0.4 (8/16/2017) | (0.497 - 0.4)/(32 - 19) | 0.00746154 |
| 0.779 (3/18/2021) | 0.4 (8/16/2017) | (0.779 - 0.4)/(33 - 19) | 0.0270714 |
| 0.566 (5/5/2021) | 0.4 (8/16/2017) | (0.566 - 0.4)/(34 - 19) | 0.0110667 |
| 0.35 (9/2/2021) | 0.4 (8/16/2017) | (0.35 - 0.4)/(35 - 19) | -0.003125 |
| ND<0.25 U (11/23/2021) | 0.4 (8/16/2017) | (0.25 - 0.4)/(36 - 19) | -0.00882353 |
| 1.5 (1/11/2022) | 0.4 (8/16/2017) | (1.5 - 0.4)/(37 - 19) | 0.0611111 |
| 0.548 (4/7/2022) | 0.4 (8/16/2017) | (0.548 - 0.4)/(38 - 19) | 0.00778947 |
| 0.332 (8/2/2022) | 0.4 (8/16/2017) | (0.332 - 0.4)/(39 - 19) | -0.0034 |
| ND<0.25 U (11/16/2022) | 0.4 (8/16/2017) | (0.25 - 0.4)/(40 - 19) | -0.00714286 |
| 0.423 (2/14/2023) | 0.4 (8/16/2017) | (0.423 - 0.4)/(41 - 19) | 0.00104545 |
| 0.945 (5/25/2023) | 0.4 (8/16/2017) | (0.945 - 0.4)/(42 - 19) | 0.0236957 |
| 0.604 (8/7/2023) | 0.4 (8/16/2017) | (0.604 - 0.4)/(43 - 19) | 0.0085 |
| 0.451 (12/12/2023) | 0.4 (8/16/2017) | (0.451 - 0.4)/(44 - 19) | 0.00204 |
| 0.785 (1/10/2024) | 0.4 (8/16/2017) | (0.785 - 0.4)/(45 - 19) | 0.0148077 |
| 0.667 (5/21/2024) | 0.4 (8/16/2017) | (0.667 - 0.4)/(46 - 19) | 0.00988889 |
| 0.738 (9/16/2024) | 0.4 (8/16/2017) | (0.738 - 0.4)/(47 - 19) | 0.0120714 |
| 0.561 (12/11/2024) | 0.4 (8/16/2017) | (0.561 - 0.4)/(48 - 19) | 0.00555172 |
| 0.501 (2/18/2025) | 0.4 (8/16/2017) | (0.501 - 0.4)/(49 - 19) | 0.00336667 |

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|---|---|---|---|
| ND<0.25 U (3/28/2018) | 0.47 (10/25/2017) | (0.25 - 0.47)/(21 - 20) | -0.22 |
| 0.722 (6/29/2018) | 0.47 (10/25/2017) | (0.722 - 0.47)/(22 - 20) | 0.126 |
| 0.848 (8/2/2018) | 0.47 (10/25/2017) | (0.848 - 0.47)/(23 - 20) | 0.126 |
| 1.4 (12/10/2018) | 0.47 (10/25/2017) | (1.4 - 0.47)/(24 - 20) | 0.2325 |
| 0.403 (4/15/2019) | 0.47 (10/25/2017) | (0.403 - 0.47)/(25 - 20) | -0.0134 |
| 0.25 (6/12/2019) | 0.47 (10/25/2017) | (0.25 - 0.47)/(26 - 20) | -0.0366667 |
| 0.391 (8/27/2019) | 0.47 (10/25/2017) | (0.391 - 0.47)/(27 - 20) | -0.0112857 |
| 0.478 (10/29/2019) | 0.47 (10/25/2017) | (0.478 - 0.47)/(28 - 20) | 0.001 |
| 0.451 (3/30/2020) | 0.47 (10/25/2017) | (0.451 - 0.47)/(29 - 20) | -0.00211111 |
| 0.56 (6/16/2020) | 0.47 (10/25/2017) | (0.56 - 0.47)/(30 - 20) | 0.009 |
| 0.307 (9/21/2020) | 0.47 (10/25/2017) | (0.307 - 0.47)/(31 - 20) | -0.0148182 |
| 0.497 (12/17/2020) | 0.47 (10/25/2017) | (0.497 - 0.47)/(32 - 20) | 0.00225 |
| 0.779 (3/18/2021) | 0.47 (10/25/2017) | (0.779 - 0.47)/(33 - 20) | 0.0237692 |
| 0.566 (5/5/2021) | 0.47 (10/25/2017) | (0.566 - 0.47)/(34 - 20) | 0.00685714 |
| 0.35 (9/2/2021) | 0.47 (10/25/2017) | (0.35 - 0.47)/(35 - 20) | -0.008 |
| ND<0.25 U (11/23/2021) | 0.47 (10/25/2017) | (0.25 - 0.47)/(36 - 20) | -0.01375 |
| 1.5 (1/11/2022) | 0.47 (10/25/2017) | (1.5 - 0.47)/(37 - 20) | 0.0605882 |
| 0.548 (4/7/2022) | 0.47 (10/25/2017) | (0.548 - 0.47)/(38 - 20) | 0.00433333 |
| 0.332 (8/2/2022) | 0.47 (10/25/2017) | (0.332 - 0.47)/(39 - 20) | -0.00726316 |
| ND<0.25 U (11/16/2022) | 0.47 (10/25/2017) | (0.25 - 0.47)/(40 - 20) | -0.011 |
| 0.423 (2/14/2023) | 0.47 (10/25/2017) | (0.423 - 0.47)/(41 - 20) | -0.0022381 |
| 0.945 (5/25/2023) | 0.47 (10/25/2017) | (0.945 - 0.47)/(42 - 20) | 0.0215909 |
| 0.604 (8/7/2023) | 0.47 (10/25/2017) | (0.604 - 0.47)/(43 - 20) | 0.00582609 |
| 0.451 (12/12/2023) | 0.47 (10/25/2017) | (0.451 - 0.47)/(44 - 20) | -0.000791667 |
| 0.785 (1/10/2024) | 0.47 (10/25/2017) | (0.785 - 0.47)/(45 - 20) | 0.0126 |
| 0.667 (5/21/2024) | 0.47 (10/25/2017) | (0.667 - 0.47)/(46 - 20) | 0.00757692 |
| 0.738 (9/16/2024) | 0.47 (10/25/2017) | (0.738 - 0.47)/(47 - 20) | 0.00992593 |
| 0.561 (12/11/2024) | 0.47 (10/25/2017) | (0.561 - 0.47)/(48 - 20) | 0.00325 |
| 0.501 (2/18/2025) | 0.47 (10/25/2017) | (0.501 - 0.47)/(49 - 20) | 0.00106897 |

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|---|---|---|---|
| 0.722 (6/29/2018) | ND<0.25 U (3/28/2018) | (0.722 - 0.25)/(22 - 21) | 0.472 |
| 0.848 (8/2/2018) | ND<0.25 U (3/28/2018) | (0.848 - 0.25)/(23 - 21) | 0.299 |
| 1.4 (12/10/2018) | ND<0.25 U (3/28/2018) | (1.4 - 0.25)/(24 - 21) | 0.383333 |
| 0.403 (4/15/2019) | ND<0.25 U (3/28/2018) | (0.403 - 0.25)/(25 - 21) | 0.03825 |
| 0.25 (6/12/2019) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(26 - 21) | 0 |
| 0.391 (8/27/2019) | ND<0.25 U (3/28/2018) | (0.391 - 0.25)/(27 - 21) | 0.0235 |
| 0.478 (10/29/2019) | ND<0.25 U (3/28/2018) | (0.478 - 0.25)/(28 - 21) | 0.0325714 |
| 0.451 (3/30/2020) | ND<0.25 U (3/28/2018) | (0.451 - 0.25)/(29 - 21) | 0.025125 |
| 0.56 (6/16/2020) | ND<0.25 U (3/28/2018) | (0.56 - 0.25)/(30 - 21) | 0.0344444 |
| 0.307 (9/21/2020) | ND<0.25 U (3/28/2018) | (0.307 - 0.25)/(31 - 21) | 0.0057 |
| 0.497 (12/17/2020) | ND<0.25 U (3/28/2018) | (0.497 - 0.25)/(32 - 21) | 0.0224545 |
| 0.779 (3/18/2021) | ND<0.25 U (3/28/2018) | (0.779 - 0.25)/(33 - 21) | 0.0440833 |
| 0.566 (5/5/2021) | ND<0.25 U (3/28/2018) | (0.566 - 0.25)/(34 - 21) | 0.0243077 |
| 0.35 (9/2/2021) | ND<0.25 U (3/28/2018) | (0.35 - 0.25)/(35 - 21) | 0.00714286 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(36 - 21) | 0 |
| 1.5 (1/11/2022) | ND<0.25 U (3/28/2018) | (1.5 - 0.25)/(37 - 21) | 0.078125 |
| 0.548 (4/7/2022) | ND<0.25 U (3/28/2018) | (0.548 - 0.25)/(38 - 21) | 0.0175294 |
| 0.332 (8/2/2022) | ND<0.25 U (3/28/2018) | (0.332 - 0.25)/(39 - 21) | 0.00455556 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(40 - 21) | 0 |
| 0.423 (2/14/2023) | ND<0.25 U (3/28/2018) | (0.423 - 0.25)/(41 - 21) | 0.00865 |
| 0.945 (5/25/2023) | ND<0.25 U (3/28/2018) | (0.945 - 0.25)/(42 - 21) | 0.0330952 |
| 0.604 (8/7/2023) | ND<0.25 U (3/28/2018) | (0.604 - 0.25)/(43 - 21) | 0.0160909 |
| 0.451 (12/12/2023) | ND<0.25 U (3/28/2018) | (0.451 - 0.25)/(44 - 21) | 0.00873913 |
| 0.785 (1/10/2024) | ND<0.25 U (3/28/2018) | (0.785 - 0.25)/(45 - 21) | 0.0222917 |
| 0.667 (5/21/2024) | ND<0.25 U (3/28/2018) | (0.667 - 0.25)/(46 - 21) | 0.01668 |
| 0.738 (9/16/2024) | ND<0.25 U (3/28/2018) | (0.738 - 0.25)/(47 - 21) | 0.0187692 |
| 0.561 (12/11/2024) | ND<0.25 U (3/28/2018) | (0.561 - 0.25)/(48 - 21) | 0.0115185 |
| 0.501 (2/18/2025) | ND<0.25 U (3/28/2018) | (0.501 - 0.25)/(49 - 21) | 0.00896429 |

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|---|---|---|---|
| 0.848 (8/2/2018) | 0.722 (6/29/2018) | (0.848 - 0.722)/(23 - 22) | 0.126 |
| 1.4 (12/10/2018) | 0.722 (6/29/2018) | (1.4 - 0.722)/(24 - 22) | 0.339 |
| 0.403 (4/15/2019) | 0.722 (6/29/2018) | (0.403 - 0.722)/(25 - 22) | -0.106333 |
| 0.25 (6/12/2019) | 0.722 (6/29/2018) | (0.25 - 0.722)/(26 - 22) | -0.118 |
| 0.391 (8/27/2019) | 0.722 (6/29/2018) | (0.391 - 0.722)/(27 - 22) | -0.0662 |
| 0.478 (10/29/2019) | 0.722 (6/29/2018) | (0.478 - 0.722)/(28 - 22) | -0.0406667 |
| 0.451 (3/30/2020) | 0.722 (6/29/2018) | (0.451 - 0.722)/(29 - 22) | -0.0387143 |
| 0.56 (6/16/2020) | 0.722 (6/29/2018) | (0.56 - 0.722)/(30 - 22) | -0.02025 |
| 0.307 (9/21/2020) | 0.722 (6/29/2018) | (0.307 - 0.722)/(31 - 22) | -0.0461111 |
| 0.497 (12/17/2020) | 0.722 (6/29/2018) | (0.497 - 0.722)/(32 - 22) | -0.0225 |
| 0.779 (3/18/2021) | 0.722 (6/29/2018) | (0.779 - 0.722)/(33 - 22) | 0.00518182 |
| 0.566 (5/5/2021) | 0.722 (6/29/2018) | (0.566 - 0.722)/(34 - 22) | -0.013 |
| 0.35 (9/2/2021) | 0.722 (6/29/2018) | (0.35 - 0.722)/(35 - 22) | -0.0286154 |
| ND<0.25 U (11/23/2021) | 0.722 (6/29/2018) | (0.25 - 0.722)/(36 - 22) | -0.0337143 |
| 1.5 (1/11/2022) | 0.722 (6/29/2018) | (1.5 - 0.722)/(37 - 22) | 0.0518667 |
| 0.548 (4/7/2022) | 0.722 (6/29/2018) | (0.548 - 0.722)/(38 - 22) | -0.010875 |
| 0.332 (8/2/2022) | 0.722 (6/29/2018) | (0.332 - 0.722)/(39 - 22) | -0.0229412 |
| ND<0.25 U (11/16/2022) | 0.722 (6/29/2018) | (0.25 - 0.722)/(40 - 22) | -0.0262222 |
| 0.423 (2/14/2023) | 0.722 (6/29/2018) | (0.423 - 0.722)/(41 - 22) | -0.0157368 |
| 0.945 (5/25/2023) | 0.722 (6/29/2018) | (0.945 - 0.722)/(42 - 22) | 0.01115 |
| 0.604 (8/7/2023) | 0.722 (6/29/2018) | (0.604 - 0.722)/(43 - 22) | -0.00561905 |
| 0.451 (12/12/2023) | 0.722 (6/29/2018) | (0.451 - 0.722)/(44 - 22) | -0.0123182 |
| 0.785 (1/10/2024) | 0.722 (6/29/2018) | (0.785 - 0.722)/(45 - 22) | 0.00273913 |
| 0.667 (5/21/2024) | 0.722 (6/29/2018) | (0.667 - 0.722)/(46 - 22) | -0.00229167 |
| 0.738 (9/16/2024) | 0.722 (6/29/2018) | (0.738 - 0.722)/(47 - 22) | 0.00064 |
| 0.561 (12/11/2024) | 0.722 (6/29/2018) | (0.561 - 0.722)/(48 - 22) | -0.00619231 |
| 0.501 (2/18/2025) | 0.722 (6/29/2018) | (0.501 - 0.722)/(49 - 22) | -0.00818519 |

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|---|---|---|---|
| 1.4 (12/10/2018) | 0.848 (8/2/2018) | (1.4 - 0.848)/(24 - 23) | 0.552 |
| 0.403 (4/15/2019) | 0.848 (8/2/2018) | (0.403 - 0.848)/(25 - 23) | -0.2225 |
| 0.25 (6/12/2019) | 0.848 (8/2/2018) | (0.25 - 0.848)/(26 - 23) | -0.199333 |
| 0.391 (8/27/2019) | 0.848 (8/2/2018) | (0.391 - 0.848)/(27 - 23) | -0.11425 |
| 0.478 (10/29/2019) | 0.848 (8/2/2018) | (0.478 - 0.848)/(28 - 23) | -0.074 |
| 0.451 (3/30/2020) | 0.848 (8/2/2018) | (0.451 - 0.848)/(29 - 23) | -0.0661667 |
| 0.56 (6/16/2020) | 0.848 (8/2/2018) | (0.56 - 0.848)/(30 - 23) | -0.0411429 |
| 0.307 (9/21/2020) | 0.848 (8/2/2018) | (0.307 - 0.848)/(31 - 23) | -0.067625 |
| 0.497 (12/17/2020) | 0.848 (8/2/2018) | (0.497 - 0.848)/(32 - 23) | -0.039 |
| 0.779 (3/18/2021) | 0.848 (8/2/2018) | (0.779 - 0.848)/(33 - 23) | -0.0069 |
| 0.566 (5/5/2021) | 0.848 (8/2/2018) | (0.566 - 0.848)/(34 - 23) | -0.0256364 |
| 0.35 (9/2/2021) | 0.848 (8/2/2018) | (0.35 - 0.848)/(35 - 23) | -0.0415 |
| ND<0.25 U (11/23/2021) | 0.848 (8/2/2018) | (0.25 - 0.848)/(36 - 23) | -0.046 |
| 1.5 (1/11/2022) | 0.848 (8/2/2018) | (1.5 - 0.848)/(37 - 23) | 0.0465714 |
| 0.548 (4/7/2022) | 0.848 (8/2/2018) | (0.548 - 0.848)/(38 - 23) | -0.02 |
| 0.332 (8/2/2022) | 0.848 (8/2/2018) | (0.332 - 0.848)/(39 - 23) | -0.03225 |
| ND<0.25 U (11/16/2022) | 0.848 (8/2/2018) | (0.25 - 0.848)/(40 - 23) | -0.0351765 |
| 0.423 (2/14/2023) | 0.848 (8/2/2018) | (0.423 - 0.848)/(41 - 23) | -0.0236111 |
| 0.945 (5/25/2023) | 0.848 (8/2/2018) | (0.945 - 0.848)/(42 - 23) | 0.00510526 |
| 0.604 (8/7/2023) | 0.848 (8/2/2018) | (0.604 - 0.848)/(43 - 23) | -0.0122 |
| 0.451 (12/12/2023) | 0.848 (8/2/2018) | (0.451 - 0.848)/(44 - 23) | -0.0189048 |
| 0.785 (1/10/2024) | 0.848 (8/2/2018) | (0.785 - 0.848)/(45 - 23) | -0.00286364 |
| 0.667 (5/21/2024) | 0.848 (8/2/2018) | (0.667 - 0.848)/(46 - 23) | -0.00786957 |
| 0.738 (9/16/2024) | 0.848 (8/2/2018) | (0.738 - 0.848)/(47 - 23) | -0.00458333 |
| 0.561 (12/11/2024) | 0.848 (8/2/2018) | (0.561 - 0.848)/(48 - 23) | -0.01148 |
| 0.501 (2/18/2025) | 0.848 (8/2/2018) | (0.501 - 0.848)/(49 - 23) | -0.0133462 |
| | | | |
| 0.403 (4/15/2019) | 1.4 (12/10/2018) | (0.403 - 1.4)/(25 - 24) | -0.997 |
| 0.25 (6/12/2019) | 1.4 (12/10/2018) | (0.25 - 1.4)/(26 - 24) | -0.575 |
| 0.391 (8/27/2019) | 1.4 (12/10/2018) | (0.391 - 1.4)/(27 - 24) | -0.336333 |
| 0.478 (10/29/2019) | 1.4 (12/10/2018) | (0.478 - 1.4)/(28 - 24) | -0.2305 |
| 0.451 (3/30/2020) | 1.4 (12/10/2018) | (0.451 - 1.4)/(29 - 24) | -0.1898 |
| 0.56 (6/16/2020) | 1.4 (12/10/2018) | (0.56 - 1.4)/(30 - 24) | -0.14 |
| 0.307 (9/21/2020) | 1.4 (12/10/2018) | (0.307 - 1.4)/(31 - 24) | -0.156143 |
| 0.497 (12/17/2020) | 1.4 (12/10/2018) | (0.497 - 1.4)/(32 - 24) | -0.112875 |
| 0.779 (3/18/2021) | 1.4 (12/10/2018) | (0.779 - 1.4)/(33 - 24) | -0.069 |
| 0.566 (5/5/2021) | 1.4 (12/10/2018) | (0.566 - 1.4)/(34 - 24) | -0.0834 |
| 0.35 (9/2/2021) | 1.4 (12/10/2018) | (0.35 - 1.4)/(35 - 24) | -0.0954545 |
| ND<0.25 U (11/23/2021) | 1.4 (12/10/2018) | (0.25 - 1.4)/(36 - 24) | -0.0958333 |
| 1.5 (1/11/2022) | 1.4 (12/10/2018) | (1.5 - 1.4)/(37 - 24) | 0.00769231 |
| 0.548 (4/7/2022) | 1.4 (12/10/2018) | (0.548 - 1.4)/(38 - 24) | -0.0608571 |
| 0.332 (8/2/2022) | 1.4 (12/10/2018) | (0.332 - 1.4)/(39 - 24) | -0.0712 |
| ND<0.25 U (11/16/2022) | 1.4 (12/10/2018) | (0.25 - 1.4)/(40 - 24) | -0.071875 |
| 0.423 (2/14/2023) | 1.4 (12/10/2018) | (0.423 - 1.4)/(41 - 24) | -0.0574706 |
| 0.945 (5/25/2023) | 1.4 (12/10/2018) | (0.945 - 1.4)/(42 - 24) | -0.0252778 |
| 0.604 (8/7/2023) | 1.4 (12/10/2018) | (0.604 - 1.4)/(43 - 24) | -0.0418947 |
| 0.451 (12/12/2023) | 1.4 (12/10/2018) | (0.451 - 1.4)/(44 - 24) | -0.04745 |
| 0.785 (1/10/2024) | 1.4 (12/10/2018) | (0.785 - 1.4)/(45 - 24) | -0.0292857 |
| 0.667 (5/21/2024) | 1.4 (12/10/2018) | (0.667 - 1.4)/(46 - 24) | -0.0333182 |
| 0.738 (9/16/2024) | 1.4 (12/10/2018) | (0.738 - 1.4)/(47 - 24) | -0.0287826 |
| 0.561 (12/11/2024) | 1.4 (12/10/2018) | (0.561 - 1.4)/(48 - 24) | -0.0349583 |
| 0.501 (2/18/2025) | 1.4 (12/10/2018) | (0.501 - 1.4)/(49 - 24) | -0.03596 |
| | | | |
| 0.25 (6/12/2019) | 0.403 (4/15/2019) | (0.25 - 0.403)/(26 - 25) | -0.153 |
| 0.391 (8/27/2019) | 0.403 (4/15/2019) | (0.391 - 0.403)/(27 - 25) | -0.006 |
| 0.478 (10/29/2019) | 0.403 (4/15/2019) | (0.478 - 0.403)/(28 - 25) | 0.025 |

| | | | |
|---|---|---|---|
| 0.451 (3/30/2020) | 0.403 (4/15/2019) | (0.451 - 0.403)/(29 - 25) | 0.012 |
| 0.56 (6/16/2020) | 0.403 (4/15/2019) | (0.56 - 0.403)/(30 - 25) | 0.0314 |
| 0.307 (9/21/2020) | 0.403 (4/15/2019) | (0.307 - 0.403)/(31 - 25) | -0.016 |
| 0.497 (12/17/2020) | 0.403 (4/15/2019) | (0.497 - 0.403)/(32 - 25) | 0.0134286 |
| 0.779 (3/18/2021) | 0.403 (4/15/2019) | (0.779 - 0.403)/(33 - 25) | 0.047 |
| 0.566 (5/5/2021) | 0.403 (4/15/2019) | (0.566 - 0.403)/(34 - 25) | 0.0181111 |
| 0.35 (9/2/2021) | 0.403 (4/15/2019) | (0.35 - 0.403)/(35 - 25) | -0.0053 |
| ND<0.25 U (11/23/2021) | 0.403 (4/15/2019) | (0.25 - 0.403)/(36 - 25) | -0.0139091 |
| 1.5 (1/11/2022) | 0.403 (4/15/2019) | (1.5 - 0.403)/(37 - 25) | 0.0914167 |
| 0.548 (4/7/2022) | 0.403 (4/15/2019) | (0.548 - 0.403)/(38 - 25) | 0.0111538 |
| 0.332 (8/2/2022) | 0.403 (4/15/2019) | (0.332 - 0.403)/(39 - 25) | -0.00507143 |
| ND<0.25 U (11/16/2022) | 0.403 (4/15/2019) | (0.25 - 0.403)/(40 - 25) | -0.0102 |
| 0.423 (2/14/2023) | 0.403 (4/15/2019) | (0.423 - 0.403)/(41 - 25) | 0.00125 |
| 0.945 (5/25/2023) | 0.403 (4/15/2019) | (0.945 - 0.403)/(42 - 25) | 0.0318824 |
| 0.604 (8/7/2023) | 0.403 (4/15/2019) | (0.604 - 0.403)/(43 - 25) | 0.0111667 |
| 0.451 (12/12/2023) | 0.403 (4/15/2019) | (0.451 - 0.403)/(44 - 25) | 0.00252632 |
| 0.785 (1/10/2024) | 0.403 (4/15/2019) | (0.785 - 0.403)/(45 - 25) | 0.0191 |
| 0.667 (5/21/2024) | 0.403 (4/15/2019) | (0.667 - 0.403)/(46 - 25) | 0.0125714 |
| 0.738 (9/16/2024) | 0.403 (4/15/2019) | (0.738 - 0.403)/(47 - 25) | 0.0152273 |
| 0.561 (12/11/2024) | 0.403 (4/15/2019) | (0.561 - 0.403)/(48 - 25) | 0.00686957 |
| 0.501 (2/18/2025) | 0.403 (4/15/2019) | (0.501 - 0.403)/(49 - 25) | 0.00408333 |
| | | | |
| 0.391 (8/27/2019) | 0.25 (6/12/2019) | (0.391 - 0.25)/(27 - 26) | 0.141 |
| 0.478 (10/29/2019) | 0.25 (6/12/2019) | (0.478 - 0.25)/(28 - 26) | 0.114 |
| 0.451 (3/30/2020) | 0.25 (6/12/2019) | (0.451 - 0.25)/(29 - 26) | 0.067 |
| 0.56 (6/16/2020) | 0.25 (6/12/2019) | (0.56 - 0.25)/(30 - 26) | 0.0775 |
| 0.307 (9/21/2020) | 0.25 (6/12/2019) | (0.307 - 0.25)/(31 - 26) | 0.0114 |
| 0.497 (12/17/2020) | 0.25 (6/12/2019) | (0.497 - 0.25)/(32 - 26) | 0.0411667 |
| 0.779 (3/18/2021) | 0.25 (6/12/2019) | (0.779 - 0.25)/(33 - 26) | 0.0755714 |
| 0.566 (5/5/2021) | 0.25 (6/12/2019) | (0.566 - 0.25)/(34 - 26) | 0.0395 |
| 0.35 (9/2/2021) | 0.25 (6/12/2019) | (0.35 - 0.25)/(35 - 26) | 0.0111111 |
| ND<0.25 U (11/23/2021) | 0.25 (6/12/2019) | (0.25 - 0.25)/(36 - 26) | 0 |
| 1.5 (1/11/2022) | 0.25 (6/12/2019) | (1.5 - 0.25)/(37 - 26) | 0.113636 |
| 0.548 (4/7/2022) | 0.25 (6/12/2019) | (0.548 - 0.25)/(38 - 26) | 0.0248333 |
| 0.332 (8/2/2022) | 0.25 (6/12/2019) | (0.332 - 0.25)/(39 - 26) | 0.00630769 |
| ND<0.25 U (11/16/2022) | 0.25 (6/12/2019) | (0.25 - 0.25)/(40 - 26) | 0 |
| 0.423 (2/14/2023) | 0.25 (6/12/2019) | (0.423 - 0.25)/(41 - 26) | 0.0115333 |
| 0.945 (5/25/2023) | 0.25 (6/12/2019) | (0.945 - 0.25)/(42 - 26) | 0.0434375 |
| 0.604 (8/7/2023) | 0.25 (6/12/2019) | (0.604 - 0.25)/(43 - 26) | 0.0208235 |
| 0.451 (12/12/2023) | 0.25 (6/12/2019) | (0.451 - 0.25)/(44 - 26) | 0.0111667 |
| 0.785 (1/10/2024) | 0.25 (6/12/2019) | (0.785 - 0.25)/(45 - 26) | 0.0281579 |
| 0.667 (5/21/2024) | 0.25 (6/12/2019) | (0.667 - 0.25)/(46 - 26) | 0.02085 |
| 0.738 (9/16/2024) | 0.25 (6/12/2019) | (0.738 - 0.25)/(47 - 26) | 0.0232381 |
| 0.561 (12/11/2024) | 0.25 (6/12/2019) | (0.561 - 0.25)/(48 - 26) | 0.0141364 |
| 0.501 (2/18/2025) | 0.25 (6/12/2019) | (0.501 - 0.25)/(49 - 26) | 0.010913 |
| | | | |
| 0.478 (10/29/2019) | 0.391 (8/27/2019) | (0.478 - 0.391)/(28 - 27) | 0.087 |
| 0.451 (3/30/2020) | 0.391 (8/27/2019) | (0.451 - 0.391)/(29 - 27) | 0.03 |
| 0.56 (6/16/2020) | 0.391 (8/27/2019) | (0.56 - 0.391)/(30 - 27) | 0.0563333 |
| 0.307 (9/21/2020) | 0.391 (8/27/2019) | (0.307 - 0.391)/(31 - 27) | -0.021 |
| 0.497 (12/17/2020) | 0.391 (8/27/2019) | (0.497 - 0.391)/(32 - 27) | 0.0212 |
| 0.779 (3/18/2021) | 0.391 (8/27/2019) | (0.779 - 0.391)/(33 - 27) | 0.0646667 |
| 0.566 (5/5/2021) | 0.391 (8/27/2019) | (0.566 - 0.391)/(34 - 27) | 0.025 |
| 0.35 (9/2/2021) | 0.391 (8/27/2019) | (0.35 - 0.391)/(35 - 27) | -0.005125 |
| ND<0.25 U (11/23/2021) | 0.391 (8/27/2019) | (0.25 - 0.391)/(36 - 27) | -0.0156667 |
| 1.5 (1/11/2022) | 0.391 (8/27/2019) | (1.5 - 0.391)/(37 - 27) | 0.1109 |
| 0.548 (4/7/2022) | 0.391 (8/27/2019) | (0.548 - 0.391)/(38 - 27) | 0.0142727 |

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|---|---|---|---|
| 0.332 (8/2/2022) | 0.391 (8/27/2019) | (0.332 - 0.391)/(39 - 27) | -0.00491667 |
| ND<0.25 U (11/16/2022) | 0.391 (8/27/2019) | (0.25 - 0.391)/(40 - 27) | -0.0108462 |
| 0.423 (2/14/2023) | 0.391 (8/27/2019) | (0.423 - 0.391)/(41 - 27) | 0.00228571 |
| 0.945 (5/25/2023) | 0.391 (8/27/2019) | (0.945 - 0.391)/(42 - 27) | 0.0369333 |
| 0.604 (8/7/2023) | 0.391 (8/27/2019) | (0.604 - 0.391)/(43 - 27) | 0.0133125 |
| 0.451 (12/12/2023) | 0.391 (8/27/2019) | (0.451 - 0.391)/(44 - 27) | 0.00352941 |
| 0.785 (1/10/2024) | 0.391 (8/27/2019) | (0.785 - 0.391)/(45 - 27) | 0.0218889 |
| 0.667 (5/21/2024) | 0.391 (8/27/2019) | (0.667 - 0.391)/(46 - 27) | 0.0145263 |
| 0.738 (9/16/2024) | 0.391 (8/27/2019) | (0.738 - 0.391)/(47 - 27) | 0.01735 |
| 0.561 (12/11/2024) | 0.391 (8/27/2019) | (0.561 - 0.391)/(48 - 27) | 0.00809524 |
| 0.501 (2/18/2025) | 0.391 (8/27/2019) | (0.501 - 0.391)/(49 - 27) | 0.005 |
| | | | |
| 0.451 (3/30/2020) | 0.478 (10/29/2019) | (0.451 - 0.478)/(29 - 28) | -0.027 |
| 0.56 (6/16/2020) | 0.478 (10/29/2019) | (0.56 - 0.478)/(30 - 28) | 0.041 |
| 0.307 (9/21/2020) | 0.478 (10/29/2019) | (0.307 - 0.478)/(31 - 28) | -0.057 |
| 0.497 (12/17/2020) | 0.478 (10/29/2019) | (0.497 - 0.478)/(32 - 28) | 0.00475 |
| 0.779 (3/18/2021) | 0.478 (10/29/2019) | (0.779 - 0.478)/(33 - 28) | 0.0602 |
| 0.566 (5/5/2021) | 0.478 (10/29/2019) | (0.566 - 0.478)/(34 - 28) | 0.0146667 |
| 0.35 (9/2/2021) | 0.478 (10/29/2019) | (0.35 - 0.478)/(35 - 28) | -0.0182857 |
| ND<0.25 U (11/23/2021) | 0.478 (10/29/2019) | (0.25 - 0.478)/(36 - 28) | -0.0285 |
| 1.5 (1/11/2022) | 0.478 (10/29/2019) | (1.5 - 0.478)/(37 - 28) | 0.113556 |
| 0.548 (4/7/2022) | 0.478 (10/29/2019) | (0.548 - 0.478)/(38 - 28) | 0.007 |
| 0.332 (8/2/2022) | 0.478 (10/29/2019) | (0.332 - 0.478)/(39 - 28) | -0.0132727 |
| ND<0.25 U (11/16/2022) | 0.478 (10/29/2019) | (0.25 - 0.478)/(40 - 28) | -0.019 |
| 0.423 (2/14/2023) | 0.478 (10/29/2019) | (0.423 - 0.478)/(41 - 28) | -0.00423077 |
| 0.945 (5/25/2023) | 0.478 (10/29/2019) | (0.945 - 0.478)/(42 - 28) | 0.0333571 |
| 0.604 (8/7/2023) | 0.478 (10/29/2019) | (0.604 - 0.478)/(43 - 28) | 0.0084 |
| 0.451 (12/12/2023) | 0.478 (10/29/2019) | (0.451 - 0.478)/(44 - 28) | -0.0016875 |
| 0.785 (1/10/2024) | 0.478 (10/29/2019) | (0.785 - 0.478)/(45 - 28) | 0.0180588 |
| 0.667 (5/21/2024) | 0.478 (10/29/2019) | (0.667 - 0.478)/(46 - 28) | 0.0105 |
| 0.738 (9/16/2024) | 0.478 (10/29/2019) | (0.738 - 0.478)/(47 - 28) | 0.0136842 |
| 0.561 (12/11/2024) | 0.478 (10/29/2019) | (0.561 - 0.478)/(48 - 28) | 0.00415 |
| 0.501 (2/18/2025) | 0.478 (10/29/2019) | (0.501 - 0.478)/(49 - 28) | 0.00109524 |
| | | | |
| 0.56 (6/16/2020) | 0.451 (3/30/2020) | (0.56 - 0.451)/(30 - 29) | 0.109 |
| 0.307 (9/21/2020) | 0.451 (3/30/2020) | (0.307 - 0.451)/(31 - 29) | -0.072 |
| 0.497 (12/17/2020) | 0.451 (3/30/2020) | (0.497 - 0.451)/(32 - 29) | 0.0153333 |
| 0.779 (3/18/2021) | 0.451 (3/30/2020) | (0.779 - 0.451)/(33 - 29) | 0.082 |
| 0.566 (5/5/2021) | 0.451 (3/30/2020) | (0.566 - 0.451)/(34 - 29) | 0.023 |
| 0.35 (9/2/2021) | 0.451 (3/30/2020) | (0.35 - 0.451)/(35 - 29) | -0.0168333 |
| ND<0.25 U (11/23/2021) | 0.451 (3/30/2020) | (0.25 - 0.451)/(36 - 29) | -0.0287143 |
| 1.5 (1/11/2022) | 0.451 (3/30/2020) | (1.5 - 0.451)/(37 - 29) | 0.131125 |
| 0.548 (4/7/2022) | 0.451 (3/30/2020) | (0.548 - 0.451)/(38 - 29) | 0.0107778 |
| 0.332 (8/2/2022) | 0.451 (3/30/2020) | (0.332 - 0.451)/(39 - 29) | -0.0119 |
| ND<0.25 U (11/16/2022) | 0.451 (3/30/2020) | (0.25 - 0.451)/(40 - 29) | -0.0182727 |
| 0.423 (2/14/2023) | 0.451 (3/30/2020) | (0.423 - 0.451)/(41 - 29) | -0.00233333 |
| 0.945 (5/25/2023) | 0.451 (3/30/2020) | (0.945 - 0.451)/(42 - 29) | 0.038 |
| 0.604 (8/7/2023) | 0.451 (3/30/2020) | (0.604 - 0.451)/(43 - 29) | 0.0109286 |
| 0.451 (12/12/2023) | 0.451 (3/30/2020) | (0.451 - 0.451)/(44 - 29) | 0 |
| 0.785 (1/10/2024) | 0.451 (3/30/2020) | (0.785 - 0.451)/(45 - 29) | 0.020875 |
| 0.667 (5/21/2024) | 0.451 (3/30/2020) | (0.667 - 0.451)/(46 - 29) | 0.0127059 |
| 0.738 (9/16/2024) | 0.451 (3/30/2020) | (0.738 - 0.451)/(47 - 29) | 0.0159444 |
| 0.561 (12/11/2024) | 0.451 (3/30/2020) | (0.561 - 0.451)/(48 - 29) | 0.00578947 |
| 0.501 (2/18/2025) | 0.451 (3/30/2020) | (0.501 - 0.451)/(49 - 29) | 0.0025 |
| | | | |
| 0.307 (9/21/2020) | 0.56 (6/16/2020) | (0.307 - 0.56)/(31 - 30) | -0.253 |
| 0.497 (12/17/2020) | 0.56 (6/16/2020) | (0.497 - 0.56)/(32 - 30) | -0.0315 |

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|---|---|---|---|
| 0.779 (3/18/2021) | 0.56 (6/16/2020) | (0.779 - 0.56)/(33 - 30) | 0.073 |
| 0.566 (5/5/2021) | 0.56 (6/16/2020) | (0.566 - 0.56)/(34 - 30) | 0.0015 |
| 0.35 (9/2/2021) | 0.56 (6/16/2020) | (0.35 - 0.56)/(35 - 30) | -0.042 |
| ND<0.25 U (11/23/2021) | 0.56 (6/16/2020) | (0.25 - 0.56)/(36 - 30) | -0.0516667 |
| 1.5 (1/11/2022) | 0.56 (6/16/2020) | (1.5 - 0.56)/(37 - 30) | 0.134286 |
| 0.548 (4/7/2022) | 0.56 (6/16/2020) | (0.548 - 0.56)/(38 - 30) | -0.0015 |
| 0.332 (8/2/2022) | 0.56 (6/16/2020) | (0.332 - 0.56)/(39 - 30) | -0.0253333 |
| ND<0.25 U (11/16/2022) | 0.56 (6/16/2020) | (0.25 - 0.56)/(40 - 30) | -0.031 |
| 0.423 (2/14/2023) | 0.56 (6/16/2020) | (0.423 - 0.56)/(41 - 30) | -0.0124545 |
| 0.945 (5/25/2023) | 0.56 (6/16/2020) | (0.945 - 0.56)/(42 - 30) | 0.0320833 |
| 0.604 (8/7/2023) | 0.56 (6/16/2020) | (0.604 - 0.56)/(43 - 30) | 0.00338462 |
| 0.451 (12/12/2023) | 0.56 (6/16/2020) | (0.451 - 0.56)/(44 - 30) | -0.00778571 |
| 0.785 (1/10/2024) | 0.56 (6/16/2020) | (0.785 - 0.56)/(45 - 30) | 0.015 |
| 0.667 (5/21/2024) | 0.56 (6/16/2020) | (0.667 - 0.56)/(46 - 30) | 0.0066875 |
| 0.738 (9/16/2024) | 0.56 (6/16/2020) | (0.738 - 0.56)/(47 - 30) | 0.0104706 |
| 0.561 (12/11/2024) | 0.56 (6/16/2020) | (0.561 - 0.56)/(48 - 30) | 5.55556e-05 |
| 0.501 (2/18/2025) | 0.56 (6/16/2020) | (0.501 - 0.56)/(49 - 30) | -0.00310526 |
| | | | |
| 0.497 (12/17/2020) | 0.307 (9/21/2020) | (0.497 - 0.307)/(32 - 31) | 0.19 |
| 0.779 (3/18/2021) | 0.307 (9/21/2020) | (0.779 - 0.307)/(33 - 31) | 0.236 |
| 0.566 (5/5/2021) | 0.307 (9/21/2020) | (0.566 - 0.307)/(34 - 31) | 0.0863333 |
| 0.35 (9/2/2021) | 0.307 (9/21/2020) | (0.35 - 0.307)/(35 - 31) | 0.01075 |
| ND<0.25 U (11/23/2021) | 0.307 (9/21/2020) | (0.25 - 0.307)/(36 - 31) | -0.0114 |
| 1.5 (1/11/2022) | 0.307 (9/21/2020) | (1.5 - 0.307)/(37 - 31) | 0.198833 |
| 0.548 (4/7/2022) | 0.307 (9/21/2020) | (0.548 - 0.307)/(38 - 31) | 0.0344286 |
| 0.332 (8/2/2022) | 0.307 (9/21/2020) | (0.332 - 0.307)/(39 - 31) | 0.003125 |
| ND<0.25 U (11/16/2022) | 0.307 (9/21/2020) | (0.25 - 0.307)/(40 - 31) | -0.00633333 |
| 0.423 (2/14/2023) | 0.307 (9/21/2020) | (0.423 - 0.307)/(41 - 31) | 0.0116 |
| 0.945 (5/25/2023) | 0.307 (9/21/2020) | (0.945 - 0.307)/(42 - 31) | 0.058 |
| 0.604 (8/7/2023) | 0.307 (9/21/2020) | (0.604 - 0.307)/(43 - 31) | 0.02475 |
| 0.451 (12/12/2023) | 0.307 (9/21/2020) | (0.451 - 0.307)/(44 - 31) | 0.0110769 |
| 0.785 (1/10/2024) | 0.307 (9/21/2020) | (0.785 - 0.307)/(45 - 31) | 0.0341429 |
| 0.667 (5/21/2024) | 0.307 (9/21/2020) | (0.667 - 0.307)/(46 - 31) | 0.024 |
| 0.738 (9/16/2024) | 0.307 (9/21/2020) | (0.738 - 0.307)/(47 - 31) | 0.0269375 |
| 0.561 (12/11/2024) | 0.307 (9/21/2020) | (0.561 - 0.307)/(48 - 31) | 0.0149412 |
| 0.501 (2/18/2025) | 0.307 (9/21/2020) | (0.501 - 0.307)/(49 - 31) | 0.0107778 |
| | | | |
| 0.779 (3/18/2021) | 0.497 (12/17/2020) | (0.779 - 0.497)/(33 - 32) | 0.282 |
| 0.566 (5/5/2021) | 0.497 (12/17/2020) | (0.566 - 0.497)/(34 - 32) | 0.0345 |
| 0.35 (9/2/2021) | 0.497 (12/17/2020) | (0.35 - 0.497)/(35 - 32) | -0.049 |
| ND<0.25 U (11/23/2021) | 0.497 (12/17/2020) | (0.25 - 0.497)/(36 - 32) | -0.06175 |
| 1.5 (1/11/2022) | 0.497 (12/17/2020) | (1.5 - 0.497)/(37 - 32) | 0.2006 |
| 0.548 (4/7/2022) | 0.497 (12/17/2020) | (0.548 - 0.497)/(38 - 32) | 0.0085 |
| 0.332 (8/2/2022) | 0.497 (12/17/2020) | (0.332 - 0.497)/(39 - 32) | -0.0235714 |
| ND<0.25 U (11/16/2022) | 0.497 (12/17/2020) | (0.25 - 0.497)/(40 - 32) | -0.030875 |
| 0.423 (2/14/2023) | 0.497 (12/17/2020) | (0.423 - 0.497)/(41 - 32) | -0.00822222 |
| 0.945 (5/25/2023) | 0.497 (12/17/2020) | (0.945 - 0.497)/(42 - 32) | 0.0448 |
| 0.604 (8/7/2023) | 0.497 (12/17/2020) | (0.604 - 0.497)/(43 - 32) | 0.00972727 |
| 0.451 (12/12/2023) | 0.497 (12/17/2020) | (0.451 - 0.497)/(44 - 32) | -0.00383333 |
| 0.785 (1/10/2024) | 0.497 (12/17/2020) | (0.785 - 0.497)/(45 - 32) | 0.0221538 |
| 0.667 (5/21/2024) | 0.497 (12/17/2020) | (0.667 - 0.497)/(46 - 32) | 0.0121429 |
| 0.738 (9/16/2024) | 0.497 (12/17/2020) | (0.738 - 0.497)/(47 - 32) | 0.0160667 |
| 0.561 (12/11/2024) | 0.497 (12/17/2020) | (0.561 - 0.497)/(48 - 32) | 0.004 |
| 0.501 (2/18/2025) | 0.497 (12/17/2020) | (0.501 - 0.497)/(49 - 32) | 0.000235294 |
| | | | |
| 0.566 (5/5/2021) | 0.779 (3/18/2021) | (0.566 - 0.779)/(34 - 33) | -0.213 |
| 0.35 (9/2/2021) | 0.779 (3/18/2021) | (0.35 - 0.779)/(35 - 33) | -0.2145 |

| | | | |
|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.779 (3/18/2021) | (0.25 - 0.779)/(36 - 33) | -0.176333 |
| 1.5 (1/11/2022) | 0.779 (3/18/2021) | (1.5 - 0.779)/(37 - 33) | 0.18025 |
| 0.548 (4/7/2022) | 0.779 (3/18/2021) | (0.548 - 0.779)/(38 - 33) | -0.0462 |
| 0.332 (8/2/2022) | 0.779 (3/18/2021) | (0.332 - 0.779)/(39 - 33) | -0.0745 |
| ND<0.25 U (11/16/2022) | 0.779 (3/18/2021) | (0.25 - 0.779)/(40 - 33) | -0.0755714 |
| 0.423 (2/14/2023) | 0.779 (3/18/2021) | (0.423 - 0.779)/(41 - 33) | -0.0445 |
| 0.945 (5/25/2023) | 0.779 (3/18/2021) | (0.945 - 0.779)/(42 - 33) | 0.0184444 |
| 0.604 (8/7/2023) | 0.779 (3/18/2021) | (0.604 - 0.779)/(43 - 33) | -0.0175 |
| 0.451 (12/12/2023) | 0.779 (3/18/2021) | (0.451 - 0.779)/(44 - 33) | -0.0298182 |
| 0.785 (1/10/2024) | 0.779 (3/18/2021) | (0.785 - 0.779)/(45 - 33) | 0.0005 |
| 0.667 (5/21/2024) | 0.779 (3/18/2021) | (0.667 - 0.779)/(46 - 33) | -0.00861538 |
| 0.738 (9/16/2024) | 0.779 (3/18/2021) | (0.738 - 0.779)/(47 - 33) | -0.00292857 |
| 0.561 (12/11/2024) | 0.779 (3/18/2021) | (0.561 - 0.779)/(48 - 33) | -0.0145333 |
| 0.501 (2/18/2025) | 0.779 (3/18/2021) | (0.501 - 0.779)/(49 - 33) | -0.017375 |
| | | | |
| 0.35 (9/2/2021) | 0.566 (5/5/2021) | (0.35 - 0.566)/(35 - 34) | -0.216 |
| ND<0.25 U (11/23/2021) | 0.566 (5/5/2021) | (0.25 - 0.566)/(36 - 34) | -0.158 |
| 1.5 (1/11/2022) | 0.566 (5/5/2021) | (1.5 - 0.566)/(37 - 34) | 0.311333 |
| 0.548 (4/7/2022) | 0.566 (5/5/2021) | (0.548 - 0.566)/(38 - 34) | -0.0045 |
| 0.332 (8/2/2022) | 0.566 (5/5/2021) | (0.332 - 0.566)/(39 - 34) | -0.0468 |
| ND<0.25 U (11/16/2022) | 0.566 (5/5/2021) | (0.25 - 0.566)/(40 - 34) | -0.0526667 |
| 0.423 (2/14/2023) | 0.566 (5/5/2021) | (0.423 - 0.566)/(41 - 34) | -0.0204286 |
| 0.945 (5/25/2023) | 0.566 (5/5/2021) | (0.945 - 0.566)/(42 - 34) | 0.047375 |
| 0.604 (8/7/2023) | 0.566 (5/5/2021) | (0.604 - 0.566)/(43 - 34) | 0.00422222 |
| 0.451 (12/12/2023) | 0.566 (5/5/2021) | (0.451 - 0.566)/(44 - 34) | -0.0115 |
| 0.785 (1/10/2024) | 0.566 (5/5/2021) | (0.785 - 0.566)/(45 - 34) | 0.0199091 |
| 0.667 (5/21/2024) | 0.566 (5/5/2021) | (0.667 - 0.566)/(46 - 34) | 0.00841667 |
| 0.738 (9/16/2024) | 0.566 (5/5/2021) | (0.738 - 0.566)/(47 - 34) | 0.0132308 |
| 0.561 (12/11/2024) | 0.566 (5/5/2021) | (0.561 - 0.566)/(48 - 34) | -0.000357143 |
| 0.501 (2/18/2025) | 0.566 (5/5/2021) | (0.501 - 0.566)/(49 - 34) | -0.00433333 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.35 (9/2/2021) | (0.25 - 0.35)/(36 - 35) | -0.1 |
| 1.5 (1/11/2022) | 0.35 (9/2/2021) | (1.5 - 0.35)/(37 - 35) | 0.575 |
| 0.548 (4/7/2022) | 0.35 (9/2/2021) | (0.548 - 0.35)/(38 - 35) | 0.066 |
| 0.332 (8/2/2022) | 0.35 (9/2/2021) | (0.332 - 0.35)/(39 - 35) | -0.0045 |
| ND<0.25 U (11/16/2022) | 0.35 (9/2/2021) | (0.25 - 0.35)/(40 - 35) | -0.02 |
| 0.423 (2/14/2023) | 0.35 (9/2/2021) | (0.423 - 0.35)/(41 - 35) | 0.0121667 |
| 0.945 (5/25/2023) | 0.35 (9/2/2021) | (0.945 - 0.35)/(42 - 35) | 0.085 |
| 0.604 (8/7/2023) | 0.35 (9/2/2021) | (0.604 - 0.35)/(43 - 35) | 0.03175 |
| 0.451 (12/12/2023) | 0.35 (9/2/2021) | (0.451 - 0.35)/(44 - 35) | 0.0112222 |
| 0.785 (1/10/2024) | 0.35 (9/2/2021) | (0.785 - 0.35)/(45 - 35) | 0.0435 |
| 0.667 (5/21/2024) | 0.35 (9/2/2021) | (0.667 - 0.35)/(46 - 35) | 0.0288182 |
| 0.738 (9/16/2024) | 0.35 (9/2/2021) | (0.738 - 0.35)/(47 - 35) | 0.0323333 |
| 0.561 (12/11/2024) | 0.35 (9/2/2021) | (0.561 - 0.35)/(48 - 35) | 0.0162308 |
| 0.501 (2/18/2025) | 0.35 (9/2/2021) | (0.501 - 0.35)/(49 - 35) | 0.0107857 |
| | | | |
| 1.5 (1/11/2022) | ND<0.25 U (11/23/2021) | (1.5 - 0.25)/(37 - 36) | 1.25 |
| 0.548 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.548 - 0.25)/(38 - 36) | 0.149 |
| 0.332 (8/2/2022) | ND<0.25 U (11/23/2021) | (0.332 - 0.25)/(39 - 36) | 0.0273333 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (11/23/2021) | (0.25 - 0.25)/(40 - 36) | 0 |
| 0.423 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.423 - 0.25)/(41 - 36) | 0.0346 |
| 0.945 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.945 - 0.25)/(42 - 36) | 0.115833 |
| 0.604 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.604 - 0.25)/(43 - 36) | 0.0505714 |
| 0.451 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.451 - 0.25)/(44 - 36) | 0.025125 |
| 0.785 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.785 - 0.25)/(45 - 36) | 0.0594444 |
| 0.667 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.667 - 0.25)/(46 - 36) | 0.0417 |
| 0.738 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.738 - 0.25)/(47 - 36) | 0.0443636 |

| | | | |
|---|---|---|---|
| 0.561 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.561 - 0.25)/(48 - 36) | 0.0259167 |
| 0.501 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.501 - 0.25)/(49 - 36) | 0.0193077 |
| | | | |
| 0.548 (4/7/2022) | 1.5 (1/11/2022) | (0.548 - 1.5)/(38 - 37) | -0.952 |
| 0.332 (8/2/2022) | 1.5 (1/11/2022) | (0.332 - 1.5)/(39 - 37) | -0.584 |
| ND<0.25 U (11/16/2022) | 1.5 (1/11/2022) | (0.25 - 1.5)/(40 - 37) | -0.416667 |
| 0.423 (2/14/2023) | 1.5 (1/11/2022) | (0.423 - 1.5)/(41 - 37) | -0.26925 |
| 0.945 (5/25/2023) | 1.5 (1/11/2022) | (0.945 - 1.5)/(42 - 37) | -0.111 |
| 0.604 (8/7/2023) | 1.5 (1/11/2022) | (0.604 - 1.5)/(43 - 37) | -0.149333 |
| 0.451 (12/12/2023) | 1.5 (1/11/2022) | (0.451 - 1.5)/(44 - 37) | -0.149857 |
| 0.785 (1/10/2024) | 1.5 (1/11/2022) | (0.785 - 1.5)/(45 - 37) | -0.089375 |
| 0.667 (5/21/2024) | 1.5 (1/11/2022) | (0.667 - 1.5)/(46 - 37) | -0.0925556 |
| 0.738 (9/16/2024) | 1.5 (1/11/2022) | (0.738 - 1.5)/(47 - 37) | -0.0762 |
| 0.561 (12/11/2024) | 1.5 (1/11/2022) | (0.561 - 1.5)/(48 - 37) | -0.0853636 |
| 0.501 (2/18/2025) | 1.5 (1/11/2022) | (0.501 - 1.5)/(49 - 37) | -0.08325 |
| | | | |
| 0.332 (8/2/2022) | 0.548 (4/7/2022) | (0.332 - 0.548)/(39 - 38) | -0.216 |
| ND<0.25 U (11/16/2022) | 0.548 (4/7/2022) | (0.25 - 0.548)/(40 - 38) | -0.149 |
| 0.423 (2/14/2023) | 0.548 (4/7/2022) | (0.423 - 0.548)/(41 - 38) | -0.0416667 |
| 0.945 (5/25/2023) | 0.548 (4/7/2022) | (0.945 - 0.548)/(42 - 38) | 0.09925 |
| 0.604 (8/7/2023) | 0.548 (4/7/2022) | (0.604 - 0.548)/(43 - 38) | 0.0112 |
| 0.451 (12/12/2023) | 0.548 (4/7/2022) | (0.451 - 0.548)/(44 - 38) | -0.0161667 |
| 0.785 (1/10/2024) | 0.548 (4/7/2022) | (0.785 - 0.548)/(45 - 38) | 0.0338571 |
| 0.667 (5/21/2024) | 0.548 (4/7/2022) | (0.667 - 0.548)/(46 - 38) | 0.014875 |
| 0.738 (9/16/2024) | 0.548 (4/7/2022) | (0.738 - 0.548)/(47 - 38) | 0.0211111 |
| 0.561 (12/11/2024) | 0.548 (4/7/2022) | (0.561 - 0.548)/(48 - 38) | 0.0013 |
| 0.501 (2/18/2025) | 0.548 (4/7/2022) | (0.501 - 0.548)/(49 - 38) | -0.00427273 |
| | | | |
| ND<0.25 U (11/16/2022) | 0.332 (8/2/2022) | (0.25 - 0.332)/(40 - 39) | -0.082 |
| 0.423 (2/14/2023) | 0.332 (8/2/2022) | (0.423 - 0.332)/(41 - 39) | 0.0455 |
| 0.945 (5/25/2023) | 0.332 (8/2/2022) | (0.945 - 0.332)/(42 - 39) | 0.204333 |
| 0.604 (8/7/2023) | 0.332 (8/2/2022) | (0.604 - 0.332)/(43 - 39) | 0.068 |
| 0.451 (12/12/2023) | 0.332 (8/2/2022) | (0.451 - 0.332)/(44 - 39) | 0.0238 |
| 0.785 (1/10/2024) | 0.332 (8/2/2022) | (0.785 - 0.332)/(45 - 39) | 0.0755 |
| 0.667 (5/21/2024) | 0.332 (8/2/2022) | (0.667 - 0.332)/(46 - 39) | 0.0478571 |
| 0.738 (9/16/2024) | 0.332 (8/2/2022) | (0.738 - 0.332)/(47 - 39) | 0.05075 |
| 0.561 (12/11/2024) | 0.332 (8/2/2022) | (0.561 - 0.332)/(48 - 39) | 0.0254444 |
| 0.501 (2/18/2025) | 0.332 (8/2/2022) | (0.501 - 0.332)/(49 - 39) | 0.0169 |
| | | | |
| 0.423 (2/14/2023) | ND<0.25 U (11/16/2022) | (0.423 - 0.25)/(41 - 40) | 0.173 |
| 0.945 (5/25/2023) | ND<0.25 U (11/16/2022) | (0.945 - 0.25)/(42 - 40) | 0.3475 |
| 0.604 (8/7/2023) | ND<0.25 U (11/16/2022) | (0.604 - 0.25)/(43 - 40) | 0.118 |
| 0.451 (12/12/2023) | ND<0.25 U (11/16/2022) | (0.451 - 0.25)/(44 - 40) | 0.05025 |
| 0.785 (1/10/2024) | ND<0.25 U (11/16/2022) | (0.785 - 0.25)/(45 - 40) | 0.107 |
| 0.667 (5/21/2024) | ND<0.25 U (11/16/2022) | (0.667 - 0.25)/(46 - 40) | 0.0695 |
| 0.738 (9/16/2024) | ND<0.25 U (11/16/2022) | (0.738 - 0.25)/(47 - 40) | 0.0697143 |
| 0.561 (12/11/2024) | ND<0.25 U (11/16/2022) | (0.561 - 0.25)/(48 - 40) | 0.038875 |
| 0.501 (2/18/2025) | ND<0.25 U (11/16/2022) | (0.501 - 0.25)/(49 - 40) | 0.0278889 |
| | | | |
| 0.945 (5/25/2023) | 0.423 (2/14/2023) | (0.945 - 0.423)/(42 - 41) | 0.522 |
| 0.604 (8/7/2023) | 0.423 (2/14/2023) | (0.604 - 0.423)/(43 - 41) | 0.0905 |
| 0.451 (12/12/2023) | 0.423 (2/14/2023) | (0.451 - 0.423)/(44 - 41) | 0.00933333 |
| 0.785 (1/10/2024) | 0.423 (2/14/2023) | (0.785 - 0.423)/(45 - 41) | 0.0905 |
| 0.667 (5/21/2024) | 0.423 (2/14/2023) | (0.667 - 0.423)/(46 - 41) | 0.0488 |
| 0.738 (9/16/2024) | 0.423 (2/14/2023) | (0.738 - 0.423)/(47 - 41) | 0.0525 |
| 0.561 (12/11/2024) | 0.423 (2/14/2023) | (0.561 - 0.423)/(48 - 41) | 0.0197143 |
| 0.501 (2/18/2025) | 0.423 (2/14/2023) | (0.501 - 0.423)/(49 - 41) | 0.00975 |

| | | | |
|---|---|---|---|
| 0.604 (8/7/2023) | 0.945 (5/25/2023) | (0.604 - 0.945)/(43 - 42) | -0.341 |
| 0.451 (12/12/2023) | 0.945 (5/25/2023) | (0.451 - 0.945)/(44 - 42) | -0.247 |
| 0.785 (1/10/2024) | 0.945 (5/25/2023) | (0.785 - 0.945)/(45 - 42) | -0.0533333 |
| 0.667 (5/21/2024) | 0.945 (5/25/2023) | (0.667 - 0.945)/(46 - 42) | -0.0695 |
| 0.738 (9/16/2024) | 0.945 (5/25/2023) | (0.738 - 0.945)/(47 - 42) | -0.0414 |
| 0.561 (12/11/2024) | 0.945 (5/25/2023) | (0.561 - 0.945)/(48 - 42) | -0.064 |
| 0.501 (2/18/2025) | 0.945 (5/25/2023) | (0.501 - 0.945)/(49 - 42) | -0.0634286 |
| | | | |
| 0.451 (12/12/2023) | 0.604 (8/7/2023) | (0.451 - 0.604)/(44 - 43) | -0.153 |
| 0.785 (1/10/2024) | 0.604 (8/7/2023) | (0.785 - 0.604)/(45 - 43) | 0.0905 |
| 0.667 (5/21/2024) | 0.604 (8/7/2023) | (0.667 - 0.604)/(46 - 43) | 0.021 |
| 0.738 (9/16/2024) | 0.604 (8/7/2023) | (0.738 - 0.604)/(47 - 43) | 0.0335 |
| 0.561 (12/11/2024) | 0.604 (8/7/2023) | (0.561 - 0.604)/(48 - 43) | -0.0086 |
| 0.501 (2/18/2025) | 0.604 (8/7/2023) | (0.501 - 0.604)/(49 - 43) | -0.0171667 |
| | | | |
| 0.785 (1/10/2024) | 0.451 (12/12/2023) | (0.785 - 0.451)/(45 - 44) | 0.334 |
| 0.667 (5/21/2024) | 0.451 (12/12/2023) | (0.667 - 0.451)/(46 - 44) | 0.108 |
| 0.738 (9/16/2024) | 0.451 (12/12/2023) | (0.738 - 0.451)/(47 - 44) | 0.0956667 |
| 0.561 (12/11/2024) | 0.451 (12/12/2023) | (0.561 - 0.451)/(48 - 44) | 0.0275 |
| 0.501 (2/18/2025) | 0.451 (12/12/2023) | (0.501 - 0.451)/(49 - 44) | 0.01 |
| | | | |
| 0.667 (5/21/2024) | 0.785 (1/10/2024) | (0.667 - 0.785)/(46 - 45) | -0.118 |
| 0.738 (9/16/2024) | 0.785 (1/10/2024) | (0.738 - 0.785)/(47 - 45) | -0.0235 |
| 0.561 (12/11/2024) | 0.785 (1/10/2024) | (0.561 - 0.785)/(48 - 45) | -0.0746667 |
| 0.501 (2/18/2025) | 0.785 (1/10/2024) | (0.501 - 0.785)/(49 - 45) | -0.071 |
| | | | |
| 0.738 (9/16/2024) | 0.667 (5/21/2024) | (0.738 - 0.667)/(47 - 46) | 0.071 |
| 0.561 (12/11/2024) | 0.667 (5/21/2024) | (0.561 - 0.667)/(48 - 46) | -0.053 |
| 0.501 (2/18/2025) | 0.667 (5/21/2024) | (0.501 - 0.667)/(49 - 46) | -0.0553333 |
| | | | |
| 0.561 (12/11/2024) | 0.738 (9/16/2024) | (0.561 - 0.738)/(48 - 47) | -0.177 |
| 0.501 (2/18/2025) | 0.738 (9/16/2024) | (0.501 - 0.738)/(49 - 47) | -0.1185 |
| | | | |
| 0.501 (2/18/2025) | 0.561 (12/11/2024) | (0.501 - 0.561)/(49 - 48) | -0.06 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.997 |
| 2 | -0.952 |
| 3 | -0.7 |
| 4 | -0.584 |
| 5 | -0.575 |
| 6 | -0.416667 |
| 7 | -0.341 |
| 8 | -0.336333 |
| 9 | -0.325 |
| 10 | -0.31 |
| 11 | -0.3 |
| 12 | -0.26925 |
| 13 | -0.253 |
| 14 | -0.25 |
| 15 | -0.247 |
| 16 | -0.2305 |

| | |
|---|---|
| 17 | -0.2225 |
| 18 | -0.22 |
| 19 | -0.216 |
| 20 | -0.216 |
| 21 | -0.2145 |
| 22 | -0.213 |
| 23 | -0.2 |
| 24 | -0.199333 |
| 25 | -0.1898 |
| 26 | -0.177 |
| 27 | -0.176333 |
| 28 | -0.1675 |
| 29 | -0.158 |
| 30 | -0.156667 |
| 31 | -0.156143 |
| 32 | -0.153 |
| 33 | -0.153 |
| 34 | -0.15 |
| 35 | -0.149857 |
| 36 | -0.149333 |
| 37 | -0.149 |
| 38 | -0.14 |
| 39 | -0.128 |
| 40 | -0.121429 |
| 41 | -0.12 |
| 42 | -0.1185 |
| 43 | -0.118 |
| 44 | -0.118 |
| 45 | -0.11425 |
| 46 | -0.112875 |
| 47 | -0.111 |
| 48 | -0.106333 |
| 49 | -0.105 |
| 50 | -0.105 |
| 51 | -0.1 |
| 52 | -0.1 |
| 53 | -0.0958333 |
| 54 | -0.0954545 |
| 55 | -0.095 |
| 56 | -0.0925556 |
| 57 | -0.0916667 |
| 58 | -0.09 |
| 59 | -0.09 |
| 60 | -0.089375 |
| 61 | -0.0853636 |
| 62 | -0.085 |
| 63 | -0.0834 |
| 64 | -0.08325 |
| 65 | -0.0822222 |
| 66 | -0.082 |
| 67 | -0.0762 |
| 68 | -0.0755714 |
| 69 | -0.075 |
| 70 | -0.0746667 |
| 71 | -0.0745 |
| 72 | -0.074 |
| 73 | -0.0725 |

| | |
|---|---|
| 74 | -0.072 |
| 75 | -0.071875 |
| 76 | -0.0712 |
| 77 | -0.071 |
| 78 | -0.0708333 |
| 79 | -0.07 |
| 80 | -0.0695 |
| 81 | -0.069 |
| 82 | -0.067625 |
| 83 | -0.0662 |
| 84 | -0.0661667 |
| 85 | -0.064 |
| 86 | -0.0634286 |
| 87 | -0.0633333 |
| 88 | -0.0633333 |
| 89 | -0.06175 |
| 90 | -0.06125 |
| 91 | -0.0608571 |
| 92 | -0.06 |
| 93 | -0.06 |
| 94 | -0.06 |
| 95 | -0.06 |
| 96 | -0.0574706 |
| 97 | -0.0572727 |
| 98 | -0.057 |
| 99 | -0.0566667 |
| 100 | -0.0553333 |
| 101 | -0.0533333 |
| 102 | -0.053 |
| 103 | -0.0526667 |
| 104 | -0.0516667 |
| 105 | -0.05 |
| 106 | -0.05 |
| 107 | -0.05 |
| 108 | -0.049 |
| 109 | -0.0483333 |
| 110 | -0.04745 |
| 111 | -0.0468 |
| 112 | -0.0466667 |
| 113 | -0.0462 |
| 114 | -0.0461111 |
| 115 | -0.046 |
| 116 | -0.045 |
| 117 | -0.0445 |
| 118 | -0.044 |
| 119 | -0.0435625 |
| 120 | -0.0422222 |
| 121 | -0.042 |
| 122 | -0.0418947 |
| 123 | -0.0416667 |
| 124 | -0.0416667 |
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| 826 | 0.0104054 |
| 827 | 0.0104706 |
| 828 | 0.0104839 |
| 829 | 0.0105 |
| 830 | 0.0105 |
| 831 | 0.0105625 |
| 832 | 0.01075 |
| 833 | 0.0107778 |
| 834 | 0.0107778 |
| 835 | 0.0107857 |
| 836 | 0.0108182 |
| 837 | 0.010913 |
| 838 | 0.0109286 |
| 839 | 0.0109643 |
| 840 | 0.011 |
| 841 | 0.0110667 |
| 842 | 0.0110769 |
| 843 | 0.0110938 |
| 844 | 0.0111111 |
| 845 | 0.01115 |
| 846 | 0.0111538 |
| 847 | 0.0111667 |
| 848 | 0.0111667 |
| 849 | 0.0112 |
| 850 | 0.0112222 |
| 851 | 0.0114 |
| 852 | 0.0115185 |
| 853 | 0.0115333 |
| 854 | 0.0116 |
| 855 | 0.0118 |
| 856 | 0.012 |
| 857 | 0.012 |
| 858 | 0.0120714 |
| 859 | 0.0121429 |
| 860 | 0.0121429 |
| 861 | 0.0121667 |
| 862 | 0.0125714 |
| 863 | 0.0126 |
| 864 | 0.0127059 |
| 865 | 0.0127222 |
| 866 | 0.0128182 |
| 867 | 0.012875 |
| 868 | 0.0130345 |
| 869 | 0.0131111 |
| 870 | 0.0132308 |
| 871 | 0.0133125 |

| | |
|---|---|
| 872 | 0.0134 |
| 873 | 0.0134 |
| 874 | 0.0134286 |
| 875 | 0.0134667 |
| 876 | 0.0135455 |
| 877 | 0.0136842 |
| 878 | 0.0139 |
| 879 | 0.0141364 |
| 880 | 0.0142727 |
| 881 | 0.0142857 |
| 882 | 0.0144074 |
| 883 | 0.0145263 |
| 884 | 0.0145455 |
| 885 | 0.0146296 |
| 886 | 0.0146667 |
| 887 | 0.0148077 |
| 888 | 0.014875 |
| 889 | 0.0149412 |
| 890 | 0.0149545 |
| 891 | 0.015 |
| 892 | 0.015 |
| 893 | 0.01516 |
| 894 | 0.0152273 |
| 895 | 0.0153333 |
| 896 | 0.0154167 |
| 897 | 0.0154375 |
| 898 | 0.0154615 |
| 899 | 0.0157407 |
| 900 | 0.0157419 |
| 901 | 0.0159444 |
| 902 | 0.0159677 |
| 903 | 0.0160294 |
| 904 | 0.0160667 |
| 905 | 0.0160909 |
| 906 | 0.0162308 |
| 907 | 0.0164783 |
| 908 | 0.0166667 |
| 909 | 0.0166667 |
| 910 | 0.01668 |
| 911 | 0.0167895 |
| 912 | 0.0169 |
| 913 | 0.017 |
| 914 | 0.0170312 |
| 915 | 0.0173214 |
| 916 | 0.01735 |
| 917 | 0.01745 |
| 918 | 0.0175294 |
| 919 | 0.0175556 |
| 920 | 0.0177586 |
| 921 | 0.0177778 |
| 922 | 0.0180588 |
| 923 | 0.0181111 |
| 924 | 0.0184444 |
| 925 | 0.0184483 |
| 926 | 0.0187692 |
| 927 | 0.019 |
| 928 | 0.0191 |

| | |
|---|---|
| 929 | 0.0193077 |
| 930 | 0.0197143 |
| 931 | 0.0198182 |
| 932 | 0.0199091 |
| 933 | 0.02 |
| 934 | 0.02 |
| 935 | 0.02 |
| 936 | 0.0205 |
| 937 | 0.02075 |
| 938 | 0.0208235 |
| 939 | 0.02085 |
| 940 | 0.020875 |
| 941 | 0.021 |
| 942 | 0.0211111 |
| 943 | 0.0212 |
| 944 | 0.0214286 |
| 945 | 0.0215909 |
| 946 | 0.0218889 |
| 947 | 0.022 |
| 948 | 0.0221429 |
| 949 | 0.0221538 |
| 950 | 0.0222917 |
| 951 | 0.0224 |
| 952 | 0.0224545 |
| 953 | 0.0225 |
| 954 | 0.023 |
| 955 | 0.023 |
| 956 | 0.0232381 |
| 957 | 0.0233333 |
| 958 | 0.0233333 |
| 959 | 0.0235 |
| 960 | 0.0236957 |
| 961 | 0.0237692 |
| 962 | 0.0238 |
| 963 | 0.024 |
| 964 | 0.0243077 |
| 965 | 0.024375 |
| 966 | 0.0245455 |
| 967 | 0.0245714 |
| 968 | 0.0247222 |
| 969 | 0.0247273 |
| 970 | 0.02475 |
| 971 | 0.0248333 |
| 972 | 0.0248571 |
| 973 | 0.025 |
| 974 | 0.025 |
| 975 | 0.025 |
| 976 | 0.025 |
| 977 | 0.025125 |
| 978 | 0.025125 |
| 979 | 0.0254444 |
| 980 | 0.0259167 |
| 981 | 0.0266667 |
| 982 | 0.0266667 |
| 983 | 0.0267308 |
| 984 | 0.0268333 |
| 985 | 0.0269375 |

| | |
|---|---|
| 986 | 0.0269412 |
| 987 | 0.0270588 |
| 988 | 0.0270714 |
| 989 | 0.0273333 |
| 990 | 0.0275 |
| 991 | 0.0278889 |
| 992 | 0.0279333 |
| 993 | 0.0281579 |
| 994 | 0.0288182 |
| 995 | 0.0298667 |
| 996 | 0.03 |
| 997 | 0.03 |
| 998 | 0.03 |
| 999 | 0.03 |
| 1000 | 0.03 |
| 1001 | 0.03 |
| 1002 | 0.0311176 |
| 1003 | 0.0314 |
| 1004 | 0.03175 |
| 1005 | 0.0318824 |
| 1006 | 0.0320833 |
| 1007 | 0.0323333 |
| 1008 | 0.0324444 |
| 1009 | 0.0325714 |
| 1010 | 0.0326667 |
| 1011 | 0.03275 |
| 1012 | 0.0330952 |
| 1013 | 0.0331667 |
| 1014 | 0.0333571 |
| 1015 | 0.0335 |
| 1016 | 0.0338571 |
| 1017 | 0.0341429 |
| 1018 | 0.0343478 |
| 1019 | 0.0344286 |
| 1020 | 0.0344444 |
| 1021 | 0.0344615 |
| 1022 | 0.0345 |
| 1023 | 0.0346 |
| 1024 | 0.0348 |
| 1025 | 0.035 |
| 1026 | 0.0355 |
| 1027 | 0.0358065 |
| 1028 | 0.0368421 |
| 1029 | 0.0369333 |
| 1030 | 0.03725 |
| 1031 | 0.037931 |
| 1032 | 0.038 |
| 1033 | 0.03825 |
| 1034 | 0.038875 |
| 1035 | 0.0390476 |
| 1036 | 0.0395 |
| 1037 | 0.0396667 |
| 1038 | 0.04 |
| 1039 | 0.04 |
| 1040 | 0.0403846 |
| 1041 | 0.0407407 |
| 1042 | 0.041 |

| | |
|---|---|
| 1043 | 0.0411667 |
| 1044 | 0.0417 |
| 1045 | 0.0418 |
| 1046 | 0.0431111 |
| 1047 | 0.0431818 |
| 1048 | 0.0434375 |
| 1049 | 0.0435 |
| 1050 | 0.0440833 |
| 1051 | 0.0443636 |
| 1052 | 0.0445 |
| 1053 | 0.0445833 |
| 1054 | 0.0448 |
| 1055 | 0.045 |
| 1056 | 0.0452174 |
| 1057 | 0.0455 |
| 1058 | 0.0465714 |
| 1059 | 0.047 |
| 1060 | 0.047375 |
| 1061 | 0.0478571 |
| 1062 | 0.0488 |
| 1063 | 0.05 |
| 1064 | 0.05 |
| 1065 | 0.05 |
| 1066 | 0.05025 |
| 1067 | 0.0505714 |
| 1068 | 0.05075 |
| 1069 | 0.0517647 |
| 1070 | 0.0518667 |
| 1071 | 0.0525 |
| 1072 | 0.055 |
| 1073 | 0.055 |
| 1074 | 0.055 |
| 1075 | 0.0561111 |
| 1076 | 0.0563333 |
| 1077 | 0.0575 |
| 1078 | 0.058 |
| 1079 | 0.0594444 |
| 1080 | 0.0595238 |
| 1081 | 0.06 |
| 1082 | 0.06 |
| 1083 | 0.06 |
| 1084 | 0.0602 |
| 1085 | 0.0605882 |
| 1086 | 0.0611111 |
| 1087 | 0.06125 |
| 1088 | 0.0625 |
| 1089 | 0.0641667 |
| 1090 | 0.0646667 |
| 1091 | 0.066 |
| 1092 | 0.067 |
| 1093 | 0.0671429 |
| 1094 | 0.068 |
| 1095 | 0.0695 |
| 1096 | 0.0697143 |
| 1097 | 0.07 |
| 1098 | 0.071 |
| 1099 | 0.0714286 |

| | |
|---|---|
| 1100 | 0.073 |
| 1101 | 0.0730769 |
| 1102 | 0.0755 |
| 1103 | 0.0755714 |
| 1104 | 0.0775 |
| 1105 | 0.078125 |
| 1106 | 0.0786667 |
| 1107 | 0.082 |
| 1108 | 0.082 |
| 1109 | 0.085 |
| 1110 | 0.0854286 |
| 1111 | 0.0863333 |
| 1112 | 0.0866667 |
| 1113 | 0.087 |
| 1114 | 0.0881818 |
| 1115 | 0.09 |
| 1116 | 0.0905 |
| 1117 | 0.0905 |
| 1118 | 0.0905 |
| 1119 | 0.0905 |
| 1120 | 0.0914167 |
| 1121 | 0.094 |
| 1122 | 0.0944444 |
| 1123 | 0.0956667 |
| 1124 | 0.0976 |
| 1125 | 0.09925 |
| 1126 | 0.1 |
| 1127 | 0.107 |
| 1128 | 0.107333 |
| 1129 | 0.108 |
| 1130 | 0.109 |
| 1131 | 0.11 |
| 1132 | 0.1109 |
| 1133 | 0.112 |
| 1134 | 0.112857 |
| 1135 | 0.113556 |
| 1136 | 0.113636 |
| 1137 | 0.114 |
| 1138 | 0.115 |
| 1139 | 0.115833 |
| 1140 | 0.118 |
| 1141 | 0.126 |
| 1142 | 0.126 |
| 1143 | 0.126 |
| 1144 | 0.13 |
| 1145 | 0.131125 |
| 1146 | 0.134286 |
| 1147 | 0.141 |
| 1148 | 0.14375 |
| 1149 | 0.149 |
| 1150 | 0.173 |
| 1151 | 0.173333 |
| 1152 | 0.18 |
| 1153 | 0.18025 |
| 1154 | 0.19 |
| 1155 | 0.198833 |
| 1156 | 0.2 |

| | |
|---|---|
| 1157 | 0.2006 |
| 1158 | 0.204333 |
| 1159 | 0.2325 |
| 1160 | 0.236 |
| 1161 | 0.236667 |
| 1162 | 0.282 |
| 1163 | 0.29 |
| 1164 | 0.299 |
| 1165 | 0.311333 |
| 1166 | 0.334 |
| 1167 | 0.339 |
| 1168 | 0.3475 |
| 1169 | 0.36 |
| 1170 | 0.383333 |
| 1171 | 0.472 |
| 1172 | 0.522 |
| 1173 | 0.552 |
| 1174 | 0.575 |
| 1175 | 0.7 |
| 1176 | 1.25 |

Sen's Estimator (Median Q) is 1.51515e-05

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.61 | 2 |
| 2 | 0.63 | 2 |
| 3 | 0.4 | 3 |
| 4 | 0.25 | 5 |
| 5 | 0.451 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/19/2014 | 1 |
| 9/30/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |

| | |
|---|---|
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 420
B = 0
C = 66
D = 0
E = 32
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13435.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.656
M1 = (1176 - 190.656)/2.0 = 492.672
M2 = (1176 + 190.656)/2.0 + 1 = 684.328
Lower limit is -0.00341379 = Q(493)
Upper limit is 0.00374286 = Q(684)
-0.00341379 < 0 < 0.00374286 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: RC 2
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.55 (5/8/2013) | 0.75 (3/12/2013) | (0.55 - 0.75)/(2 - 1) | -0.2 |
| 0.43 (9/23/2013) | 0.75 (3/12/2013) | (0.43 - 0.75)/(3 - 1) | -0.16 |
| 0.54 (12/10/2013) | 0.75 (3/12/2013) | (0.54 - 0.75)/(4 - 1) | -0.07 |
| 0.43 (2/6/2014) | 0.75 (3/12/2013) | (0.43 - 0.75)/(5 - 1) | -0.08 |
| 0.44 (6/26/2014) | 0.75 (3/12/2013) | (0.44 - 0.75)/(6 - 1) | -0.062 |
| 0.4 (9/30/2014) | 0.75 (3/12/2013) | (0.4 - 0.75)/(7 - 1) | -0.0583333 |
| 0.43 (11/19/2014) | 0.75 (3/12/2013) | (0.43 - 0.75)/(8 - 1) | -0.0457143 |
| 0.81 (3/23/2015) | 0.75 (3/12/2013) | (0.81 - 0.75)/(9 - 1) | 0.0075 |
| ND<0.25 U (4/22/2015) | 0.75 (3/12/2013) | (0.25 - 0.75)/(10 - 1) | -0.0555556 |
| ND<0.25 U (9/30/2015) | 0.75 (3/12/2013) | (0.25 - 0.75)/(11 - 1) | -0.05 |
| 0.75 (11/19/2015) | 0.75 (3/12/2013) | (0.75 - 0.75)/(12 - 1) | 0 |
| 0.43 (3/15/2016) | 0.75 (3/12/2013) | (0.43 - 0.75)/(13 - 1) | -0.0266667 |
| 0.35 (6/29/2016) | 0.75 (3/12/2013) | (0.35 - 0.75)/(14 - 1) | -0.0307692 |
| 0.45 (8/9/2016) | 0.75 (3/12/2013) | (0.45 - 0.75)/(15 - 1) | -0.0214286 |
| 0.53 (12/7/2016) | 0.75 (3/12/2013) | (0.53 - 0.75)/(16 - 1) | -0.0146667 |
| 0.45 (3/2/2017) | 0.75 (3/12/2013) | (0.45 - 0.75)/(17 - 1) | -0.01875 |
| 0.51 (6/21/2017) | 0.75 (3/12/2013) | (0.51 - 0.75)/(18 - 1) | -0.0141176 |
| 0.72 (8/17/2017) | 0.75 (3/12/2013) | (0.72 - 0.75)/(19 - 1) | -0.00166667 |
| 0.27 (10/26/2017) | 0.75 (3/12/2013) | (0.27 - 0.75)/(20 - 1) | -0.0252632 |
| ND<0.25 U (3/27/2018) | 0.75 (3/12/2013) | (0.25 - 0.75)/(21 - 1) | -0.025 |
| 0.802 (6/26/2018) | 0.75 (3/12/2013) | (0.802 - 0.75)/(22 - 1) | 0.00247619 |
| 0.506 (8/1/2018) | 0.75 (3/12/2013) | (0.506 - 0.75)/(23 - 1) | -0.0110909 |
| 0.479 (12/11/2018) | 0.75 (3/12/2013) | (0.479 - 0.75)/(24 - 1) | -0.0117826 |
| 0.288 (4/17/2019) | 0.75 (3/12/2013) | (0.288 - 0.75)/(25 - 1) | -0.01925 |
| 0.52 (6/11/2019) | 0.75 (3/12/2013) | (0.52 - 0.75)/(26 - 1) | -0.0092 |
| 0.748 (8/28/2019) | 0.75 (3/12/2013) | (0.748 - 0.75)/(27 - 1) | -7.69231e-05 |
| ND<0.25 U (10/28/2019) | 0.75 (3/12/2013) | (0.25 - 0.75)/(28 - 1) | -0.0185185 |
| 0.574 (3/31/2020) | 0.75 (3/12/2013) | (0.574 - 0.75)/(29 - 1) | -0.00628571 |
| 0.33 (6/10/2020) | 0.75 (3/12/2013) | (0.33 - 0.75)/(30 - 1) | -0.0144828 |
| ND<0.25 U (9/21/2020) | 0.75 (3/12/2013) | (0.25 - 0.75)/(31 - 1) | -0.0166667 |
| 0.396 (12/17/2020) | 0.75 (3/12/2013) | (0.396 - 0.75)/(32 - 1) | -0.0114194 |
| 0.611 (3/18/2021) | 0.75 (3/12/2013) | (0.611 - 0.75)/(33 - 1) | -0.00434375 |
| 0.892 (5/5/2021) | 0.75 (3/12/2013) | (0.892 - 0.75)/(34 - 1) | 0.00430303 |
| 0.802 (9/2/2021) | 0.75 (3/12/2013) | (0.802 - 0.75)/(35 - 1) | 0.00152941 |
| 0.34 (11/23/2021) | 0.75 (3/12/2013) | (0.34 - 0.75)/(36 - 1) | -0.0117143 |
| 0.501 (1/10/2022) | 0.75 (3/12/2013) | (0.501 - 0.75)/(37 - 1) | -0.00691667 |
| 0.386 (4/7/2022) | 0.75 (3/12/2013) | (0.386 - 0.75)/(38 - 1) | -0.00983784 |
| 0.352 (8/3/2022) | 0.75 (3/12/2013) | (0.352 - 0.75)/(39 - 1) | -0.0104737 |
| 0.434 (11/16/2022) | 0.75 (3/12/2013) | (0.434 - 0.75)/(40 - 1) | -0.00810256 |
| 0.636 (2/13/2023) | 0.75 (3/12/2013) | (0.636 - 0.75)/(41 - 1) | -0.00285 |
| 22.8 (5/24/2023) | 0.75 (3/12/2013) | (22.8 - 0.75)/(42 - 1) | 0.537805 |
| 0.676 (8/7/2023) | 0.75 (3/12/2013) | (0.676 - 0.75)/(43 - 1) | -0.0017619 |
| 0.634 (12/12/2023) | 0.75 (3/12/2013) | (0.634 - 0.75)/(44 - 1) | -0.00269767 |
| 0.816 (1/10/2024) | 0.75 (3/12/2013) | (0.816 - 0.75)/(45 - 1) | 0.0015 |
| 0.424 (5/20/2024) | 0.75 (3/12/2013) | (0.424 - 0.75)/(46 - 1) | -0.00724444 |
| 0.502 (9/16/2024) | 0.75 (3/12/2013) | (0.502 - 0.75)/(47 - 1) | -0.0053913 |
| 0.559 (12/11/2024) | 0.75 (3/12/2013) | (0.559 - 0.75)/(48 - 1) | -0.00406383 |
| 0.519 (2/18/2025) | 0.75 (3/12/2013) | (0.519 - 0.75)/(49 - 1) | -0.0048125 |

| | | | |
|---|---|---|---|
| 0.43 (9/23/2013) | 0.55 (5/8/2013) | (0.43 - 0.55)/(3 - 2) | -0.12 |
| 0.54 (12/10/2013) | 0.55 (5/8/2013) | (0.54 - 0.55)/(4 - 2) | -0.005 |
| 0.43 (2/6/2014) | 0.55 (5/8/2013) | (0.43 - 0.55)/(5 - 2) | -0.04 |
| 0.44 (6/26/2014) | 0.55 (5/8/2013) | (0.44 - 0.55)/(6 - 2) | -0.0275 |
| 0.4 (9/30/2014) | 0.55 (5/8/2013) | (0.4 - 0.55)/(7 - 2) | -0.03 |
| 0.43 (11/19/2014) | 0.55 (5/8/2013) | (0.43 - 0.55)/(8 - 2) | -0.02 |
| 0.81 (3/23/2015) | 0.55 (5/8/2013) | (0.81 - 0.55)/(9 - 2) | 0.0371429 |
| ND<0.25 U (4/22/2015) | 0.55 (5/8/2013) | (0.25 - 0.55)/(10 - 2) | -0.0375 |
| ND<0.25 U (9/30/2015) | 0.55 (5/8/2013) | (0.25 - 0.55)/(11 - 2) | -0.0333333 |
| 0.75 (11/19/2015) | 0.55 (5/8/2013) | (0.75 - 0.55)/(12 - 2) | 0.02 |
| 0.43 (3/15/2016) | 0.55 (5/8/2013) | (0.43 - 0.55)/(13 - 2) | -0.0109091 |
| 0.35 (6/29/2016) | 0.55 (5/8/2013) | (0.35 - 0.55)/(14 - 2) | -0.0166667 |
| 0.45 (8/9/2016) | 0.55 (5/8/2013) | (0.45 - 0.55)/(15 - 2) | -0.00769231 |
| 0.53 (12/7/2016) | 0.55 (5/8/2013) | (0.53 - 0.55)/(16 - 2) | -0.00142857 |
| 0.45 (3/2/2017) | 0.55 (5/8/2013) | (0.45 - 0.55)/(17 - 2) | -0.00666667 |
| 0.51 (6/21/2017) | 0.55 (5/8/2013) | (0.51 - 0.55)/(18 - 2) | -0.0025 |
| 0.72 (8/17/2017) | 0.55 (5/8/2013) | (0.72 - 0.55)/(19 - 2) | 0.01 |
| 0.27 (10/26/2017) | 0.55 (5/8/2013) | (0.27 - 0.55)/(20 - 2) | -0.0155556 |
| ND<0.25 U (3/27/2018) | 0.55 (5/8/2013) | (0.25 - 0.55)/(21 - 2) | -0.0157895 |
| 0.802 (6/26/2018) | 0.55 (5/8/2013) | (0.802 - 0.55)/(22 - 2) | 0.0126 |
| 0.506 (8/1/2018) | 0.55 (5/8/2013) | (0.506 - 0.55)/(23 - 2) | -0.00209524 |
| 0.479 (12/11/2018) | 0.55 (5/8/2013) | (0.479 - 0.55)/(24 - 2) | -0.00322727 |
| 0.288 (4/17/2019) | 0.55 (5/8/2013) | (0.288 - 0.55)/(25 - 2) | -0.0113913 |
| 0.52 (6/11/2019) | 0.55 (5/8/2013) | (0.52 - 0.55)/(26 - 2) | -0.00125 |
| 0.748 (8/28/2019) | 0.55 (5/8/2013) | (0.748 - 0.55)/(27 - 2) | 0.00792 |
| ND<0.25 U (10/28/2019) | 0.55 (5/8/2013) | (0.25 - 0.55)/(28 - 2) | -0.0115385 |
| 0.574 (3/31/2020) | 0.55 (5/8/2013) | (0.574 - 0.55)/(29 - 2) | 0.000888889 |
| 0.33 (6/10/2020) | 0.55 (5/8/2013) | (0.33 - 0.55)/(30 - 2) | -0.00785714 |
| ND<0.25 U (9/21/2020) | 0.55 (5/8/2013) | (0.25 - 0.55)/(31 - 2) | -0.0103448 |
| 0.396 (12/17/2020) | 0.55 (5/8/2013) | (0.396 - 0.55)/(32 - 2) | -0.00513333 |
| 0.611 (3/18/2021) | 0.55 (5/8/2013) | (0.611 - 0.55)/(33 - 2) | 0.00196774 |
| 0.892 (5/5/2021) | 0.55 (5/8/2013) | (0.892 - 0.55)/(34 - 2) | 0.0106875 |
| 0.802 (9/2/2021) | 0.55 (5/8/2013) | (0.802 - 0.55)/(35 - 2) | 0.00763636 |
| 0.34 (11/23/2021) | 0.55 (5/8/2013) | (0.34 - 0.55)/(36 - 2) | -0.00617647 |
| 0.501 (1/10/2022) | 0.55 (5/8/2013) | (0.501 - 0.55)/(37 - 2) | -0.0014 |
| 0.386 (4/7/2022) | 0.55 (5/8/2013) | (0.386 - 0.55)/(38 - 2) | -0.00455556 |
| 0.352 (8/3/2022) | 0.55 (5/8/2013) | (0.352 - 0.55)/(39 - 2) | -0.00535135 |
| 0.434 (11/16/2022) | 0.55 (5/8/2013) | (0.434 - 0.55)/(40 - 2) | -0.00305263 |
| 0.636 (2/13/2023) | 0.55 (5/8/2013) | (0.636 - 0.55)/(41 - 2) | 0.00220513 |
| 22.8 (5/24/2023) | 0.55 (5/8/2013) | (22.8 - 0.55)/(42 - 2) | 0.55625 |
| 0.676 (8/7/2023) | 0.55 (5/8/2013) | (0.676 - 0.55)/(43 - 2) | 0.00307317 |
| 0.634 (12/12/2023) | 0.55 (5/8/2013) | (0.634 - 0.55)/(44 - 2) | 0.002 |
| 0.816 (1/10/2024) | 0.55 (5/8/2013) | (0.816 - 0.55)/(45 - 2) | 0.00618605 |
| 0.424 (5/20/2024) | 0.55 (5/8/2013) | (0.424 - 0.55)/(46 - 2) | -0.00286364 |
| 0.502 (9/16/2024) | 0.55 (5/8/2013) | (0.502 - 0.55)/(47 - 2) | -0.00106667 |
| 0.559 (12/11/2024) | 0.55 (5/8/2013) | (0.559 - 0.55)/(48 - 2) | 0.000195652 |
| 0.519 (2/18/2025) | 0.55 (5/8/2013) | (0.519 - 0.55)/(49 - 2) | -0.000659574 |
| | | | |
| 0.54 (12/10/2013) | 0.43 (9/23/2013) | (0.54 - 0.43)/(4 - 3) | 0.11 |
| 0.43 (2/6/2014) | 0.43 (9/23/2013) | (0.43 - 0.43)/(5 - 3) | 0 |
| 0.44 (6/26/2014) | 0.43 (9/23/2013) | (0.44 - 0.43)/(6 - 3) | 0.00333333 |
| 0.4 (9/30/2014) | 0.43 (9/23/2013) | (0.4 - 0.43)/(7 - 3) | -0.0075 |
| 0.43 (11/19/2014) | 0.43 (9/23/2013) | (0.43 - 0.43)/(8 - 3) | 0 |
| 0.81 (3/23/2015) | 0.43 (9/23/2013) | (0.81 - 0.43)/(9 - 3) | 0.0633333 |
| ND<0.25 U (4/22/2015) | 0.43 (9/23/2013) | (0.25 - 0.43)/(10 - 3) | -0.0257143 |
| ND<0.25 U (9/30/2015) | 0.43 (9/23/2013) | (0.25 - 0.43)/(11 - 3) | -0.0225 |

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|---|---|---|---|
| 0.75 (11/19/2015) | 0.43 (9/23/2013) | (0.75 - 0.43)/(12 - 3) | 0.0355556 |
| 0.43 (3/15/2016) | 0.43 (9/23/2013) | (0.43 - 0.43)/(13 - 3) | 0 |
| 0.35 (6/29/2016) | 0.43 (9/23/2013) | (0.35 - 0.43)/(14 - 3) | -0.00727273 |
| 0.45 (8/9/2016) | 0.43 (9/23/2013) | (0.45 - 0.43)/(15 - 3) | 0.00166667 |
| 0.53 (12/7/2016) | 0.43 (9/23/2013) | (0.53 - 0.43)/(16 - 3) | 0.00769231 |
| 0.45 (3/2/2017) | 0.43 (9/23/2013) | (0.45 - 0.43)/(17 - 3) | 0.00142857 |
| 0.51 (6/21/2017) | 0.43 (9/23/2013) | (0.51 - 0.43)/(18 - 3) | 0.00533333 |
| 0.72 (8/17/2017) | 0.43 (9/23/2013) | (0.72 - 0.43)/(19 - 3) | 0.018125 |
| 0.27 (10/26/2017) | 0.43 (9/23/2013) | (0.27 - 0.43)/(20 - 3) | -0.00941176 |
| ND<0.25 U (3/27/2018) | 0.43 (9/23/2013) | (0.25 - 0.43)/(21 - 3) | -0.01 |
| 0.802 (6/26/2018) | 0.43 (9/23/2013) | (0.802 - 0.43)/(22 - 3) | 0.0195789 |
| 0.506 (8/1/2018) | 0.43 (9/23/2013) | (0.506 - 0.43)/(23 - 3) | 0.0038 |
| 0.479 (12/11/2018) | 0.43 (9/23/2013) | (0.479 - 0.43)/(24 - 3) | 0.00233333 |
| 0.288 (4/17/2019) | 0.43 (9/23/2013) | (0.288 - 0.43)/(25 - 3) | -0.00645455 |
| 0.52 (6/11/2019) | 0.43 (9/23/2013) | (0.52 - 0.43)/(26 - 3) | 0.00391304 |
| 0.748 (8/28/2019) | 0.43 (9/23/2013) | (0.748 - 0.43)/(27 - 3) | 0.01325 |
| ND<0.25 U (10/28/2019) | 0.43 (9/23/2013) | (0.25 - 0.43)/(28 - 3) | -0.0072 |
| 0.574 (3/31/2020) | 0.43 (9/23/2013) | (0.574 - 0.43)/(29 - 3) | 0.00553846 |
| 0.33 (6/10/2020) | 0.43 (9/23/2013) | (0.33 - 0.43)/(30 - 3) | -0.0037037 |
| ND<0.25 U (9/21/2020) | 0.43 (9/23/2013) | (0.25 - 0.43)/(31 - 3) | -0.00642857 |
| 0.396 (12/17/2020) | 0.43 (9/23/2013) | (0.396 - 0.43)/(32 - 3) | -0.00117241 |
| 0.611 (3/18/2021) | 0.43 (9/23/2013) | (0.611 - 0.43)/(33 - 3) | 0.00603333 |
| 0.892 (5/5/2021) | 0.43 (9/23/2013) | (0.892 - 0.43)/(34 - 3) | 0.0149032 |
| 0.802 (9/2/2021) | 0.43 (9/23/2013) | (0.802 - 0.43)/(35 - 3) | 0.011625 |
| 0.34 (11/23/2021) | 0.43 (9/23/2013) | (0.34 - 0.43)/(36 - 3) | -0.00272727 |
| 0.501 (1/10/2022) | 0.43 (9/23/2013) | (0.501 - 0.43)/(37 - 3) | 0.00208824 |
| 0.386 (4/7/2022) | 0.43 (9/23/2013) | (0.386 - 0.43)/(38 - 3) | -0.00125714 |
| 0.352 (8/3/2022) | 0.43 (9/23/2013) | (0.352 - 0.43)/(39 - 3) | -0.00216667 |
| 0.434 (11/16/2022) | 0.43 (9/23/2013) | (0.434 - 0.43)/(40 - 3) | 0.000108108 |
| 0.636 (2/13/2023) | 0.43 (9/23/2013) | (0.636 - 0.43)/(41 - 3) | 0.00542105 |
| 22.8 (5/24/2023) | 0.43 (9/23/2013) | (22.8 - 0.43)/(42 - 3) | 0.57359 |
| 0.676 (8/7/2023) | 0.43 (9/23/2013) | (0.676 - 0.43)/(43 - 3) | 0.00615 |
| 0.634 (12/12/2023) | 0.43 (9/23/2013) | (0.634 - 0.43)/(44 - 3) | 0.00497561 |
| 0.816 (1/10/2024) | 0.43 (9/23/2013) | (0.816 - 0.43)/(45 - 3) | 0.00919048 |
| 0.424 (5/20/2024) | 0.43 (9/23/2013) | (0.424 - 0.43)/(46 - 3) | -0.000139535 |
| 0.502 (9/16/2024) | 0.43 (9/23/2013) | (0.502 - 0.43)/(47 - 3) | 0.00163636 |
| 0.559 (12/11/2024) | 0.43 (9/23/2013) | (0.559 - 0.43)/(48 - 3) | 0.00286667 |
| 0.519 (2/18/2025) | 0.43 (9/23/2013) | (0.519 - 0.43)/(49 - 3) | 0.00193478 |

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|---|---|---|---|
| 0.43 (2/6/2014) | 0.54 (12/10/2013) | (0.43 - 0.54)/(5 - 4) | -0.11 |
| 0.44 (6/26/2014) | 0.54 (12/10/2013) | (0.44 - 0.54)/(6 - 4) | -0.05 |
| 0.4 (9/30/2014) | 0.54 (12/10/2013) | (0.4 - 0.54)/(7 - 4) | -0.0466667 |
| 0.43 (11/19/2014) | 0.54 (12/10/2013) | (0.43 - 0.54)/(8 - 4) | -0.0275 |
| 0.81 (3/23/2015) | 0.54 (12/10/2013) | (0.81 - 0.54)/(9 - 4) | 0.054 |
| ND<0.25 U (4/22/2015) | 0.54 (12/10/2013) | (0.25 - 0.54)/(10 - 4) | -0.0483333 |
| ND<0.25 U (9/30/2015) | 0.54 (12/10/2013) | (0.25 - 0.54)/(11 - 4) | -0.0414286 |
| 0.75 (11/19/2015) | 0.54 (12/10/2013) | (0.75 - 0.54)/(12 - 4) | 0.02625 |
| 0.43 (3/15/2016) | 0.54 (12/10/2013) | (0.43 - 0.54)/(13 - 4) | -0.0122222 |
| 0.35 (6/29/2016) | 0.54 (12/10/2013) | (0.35 - 0.54)/(14 - 4) | -0.019 |
| 0.45 (8/9/2016) | 0.54 (12/10/2013) | (0.45 - 0.54)/(15 - 4) | -0.00818182 |
| 0.53 (12/7/2016) | 0.54 (12/10/2013) | (0.53 - 0.54)/(16 - 4) | -0.000833333 |
| 0.45 (3/2/2017) | 0.54 (12/10/2013) | (0.45 - 0.54)/(17 - 4) | -0.00692308 |
| 0.51 (6/21/2017) | 0.54 (12/10/2013) | (0.51 - 0.54)/(18 - 4) | -0.00214286 |
| 0.72 (8/17/2017) | 0.54 (12/10/2013) | (0.72 - 0.54)/(19 - 4) | 0.012 |
| 0.27 (10/26/2017) | 0.54 (12/10/2013) | (0.27 - 0.54)/(20 - 4) | -0.016875 |
| ND<0.25 U (3/27/2018) | 0.54 (12/10/2013) | (0.25 - 0.54)/(21 - 4) | -0.0170588 |
| 0.802 (6/26/2018) | 0.54 (12/10/2013) | (0.802 - 0.54)/(22 - 4) | 0.0145556 |

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|---|---|---|---|
| 0.506 (8/1/2018) | 0.54 (12/10/2013) | (0.506 - 0.54)/(23 - 4) | -0.00178947 |
| 0.479 (12/11/2018) | 0.54 (12/10/2013) | (0.479 - 0.54)/(24 - 4) | -0.00305 |
| 0.288 (4/17/2019) | 0.54 (12/10/2013) | (0.288 - 0.54)/(25 - 4) | -0.012 |
| 0.52 (6/11/2019) | 0.54 (12/10/2013) | (0.52 - 0.54)/(26 - 4) | -0.000909091 |
| 0.748 (8/28/2019) | 0.54 (12/10/2013) | (0.748 - 0.54)/(27 - 4) | 0.00904348 |
| ND<0.25 U (10/28/2019) | 0.54 (12/10/2013) | (0.25 - 0.54)/(28 - 4) | -0.0120833 |
| 0.574 (3/31/2020) | 0.54 (12/10/2013) | (0.574 - 0.54)/(29 - 4) | 0.00136 |
| 0.33 (6/10/2020) | 0.54 (12/10/2013) | (0.33 - 0.54)/(30 - 4) | -0.00807692 |
| ND<0.25 U (9/21/2020) | 0.54 (12/10/2013) | (0.25 - 0.54)/(31 - 4) | -0.0107407 |
| 0.396 (12/17/2020) | 0.54 (12/10/2013) | (0.396 - 0.54)/(32 - 4) | -0.00514286 |
| 0.611 (3/18/2021) | 0.54 (12/10/2013) | (0.611 - 0.54)/(33 - 4) | 0.00244828 |
| 0.892 (5/5/2021) | 0.54 (12/10/2013) | (0.892 - 0.54)/(34 - 4) | 0.0117333 |
| 0.802 (9/2/2021) | 0.54 (12/10/2013) | (0.802 - 0.54)/(35 - 4) | 0.00845161 |
| 0.34 (11/23/2021) | 0.54 (12/10/2013) | (0.34 - 0.54)/(36 - 4) | -0.00625 |
| 0.501 (1/10/2022) | 0.54 (12/10/2013) | (0.501 - 0.54)/(37 - 4) | -0.00118182 |
| 0.386 (4/7/2022) | 0.54 (12/10/2013) | (0.386 - 0.54)/(38 - 4) | -0.00452941 |
| 0.352 (8/3/2022) | 0.54 (12/10/2013) | (0.352 - 0.54)/(39 - 4) | -0.00537143 |
| 0.434 (11/16/2022) | 0.54 (12/10/2013) | (0.434 - 0.54)/(40 - 4) | -0.00294444 |
| 0.636 (2/13/2023) | 0.54 (12/10/2013) | (0.636 - 0.54)/(41 - 4) | 0.00259459 |
| 22.8 (5/24/2023) | 0.54 (12/10/2013) | (22.8 - 0.54)/(42 - 4) | 0.585789 |
| 0.676 (8/7/2023) | 0.54 (12/10/2013) | (0.676 - 0.54)/(43 - 4) | 0.00348718 |
| 0.634 (12/12/2023) | 0.54 (12/10/2013) | (0.634 - 0.54)/(44 - 4) | 0.00235 |
| 0.816 (1/10/2024) | 0.54 (12/10/2013) | (0.816 - 0.54)/(45 - 4) | 0.00673171 |
| 0.424 (5/20/2024) | 0.54 (12/10/2013) | (0.424 - 0.54)/(46 - 4) | -0.0027619 |
| 0.502 (9/16/2024) | 0.54 (12/10/2013) | (0.502 - 0.54)/(47 - 4) | -0.000883721 |
| 0.559 (12/11/2024) | 0.54 (12/10/2013) | (0.559 - 0.54)/(48 - 4) | 0.000431818 |
| 0.519 (2/18/2025) | 0.54 (12/10/2013) | (0.519 - 0.54)/(49 - 4) | -0.000466667 |

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|---|---|---|---|
| 0.44 (6/26/2014) | 0.43 (2/6/2014) | (0.44 - 0.43)/(6 - 5) | 0.01 |
| 0.4 (9/30/2014) | 0.43 (2/6/2014) | (0.4 - 0.43)/(7 - 5) | -0.015 |
| 0.43 (11/19/2014) | 0.43 (2/6/2014) | (0.43 - 0.43)/(8 - 5) | 0 |
| 0.81 (3/23/2015) | 0.43 (2/6/2014) | (0.81 - 0.43)/(9 - 5) | 0.095 |
| ND<0.25 U (4/22/2015) | 0.43 (2/6/2014) | (0.25 - 0.43)/(10 - 5) | -0.036 |
| ND<0.25 U (9/30/2015) | 0.43 (2/6/2014) | (0.25 - 0.43)/(11 - 5) | -0.03 |
| 0.75 (11/19/2015) | 0.43 (2/6/2014) | (0.75 - 0.43)/(12 - 5) | 0.0457143 |
| 0.43 (3/15/2016) | 0.43 (2/6/2014) | (0.43 - 0.43)/(13 - 5) | 0 |
| 0.35 (6/29/2016) | 0.43 (2/6/2014) | (0.35 - 0.43)/(14 - 5) | -0.00888889 |
| 0.45 (8/9/2016) | 0.43 (2/6/2014) | (0.45 - 0.43)/(15 - 5) | 0.002 |
| 0.53 (12/7/2016) | 0.43 (2/6/2014) | (0.53 - 0.43)/(16 - 5) | 0.00909091 |
| 0.45 (3/2/2017) | 0.43 (2/6/2014) | (0.45 - 0.43)/(17 - 5) | 0.00166667 |
| 0.51 (6/21/2017) | 0.43 (2/6/2014) | (0.51 - 0.43)/(18 - 5) | 0.00615385 |
| 0.72 (8/17/2017) | 0.43 (2/6/2014) | (0.72 - 0.43)/(19 - 5) | 0.0207143 |
| 0.27 (10/26/2017) | 0.43 (2/6/2014) | (0.27 - 0.43)/(20 - 5) | -0.0106667 |
| ND<0.25 U (3/27/2018) | 0.43 (2/6/2014) | (0.25 - 0.43)/(21 - 5) | -0.01125 |
| 0.802 (6/26/2018) | 0.43 (2/6/2014) | (0.802 - 0.43)/(22 - 5) | 0.0218824 |
| 0.506 (8/1/2018) | 0.43 (2/6/2014) | (0.506 - 0.43)/(23 - 5) | 0.00422222 |
| 0.479 (12/11/2018) | 0.43 (2/6/2014) | (0.479 - 0.43)/(24 - 5) | 0.00257895 |
| 0.288 (4/17/2019) | 0.43 (2/6/2014) | (0.288 - 0.43)/(25 - 5) | -0.0071 |
| 0.52 (6/11/2019) | 0.43 (2/6/2014) | (0.52 - 0.43)/(26 - 5) | 0.00428571 |
| 0.748 (8/28/2019) | 0.43 (2/6/2014) | (0.748 - 0.43)/(27 - 5) | 0.0144545 |
| ND<0.25 U (10/28/2019) | 0.43 (2/6/2014) | (0.25 - 0.43)/(28 - 5) | -0.00782609 |
| 0.574 (3/31/2020) | 0.43 (2/6/2014) | (0.574 - 0.43)/(29 - 5) | 0.006 |
| 0.33 (6/10/2020) | 0.43 (2/6/2014) | (0.33 - 0.43)/(30 - 5) | -0.004 |
| ND<0.25 U (9/21/2020) | 0.43 (2/6/2014) | (0.25 - 0.43)/(31 - 5) | -0.00692308 |
| 0.396 (12/17/2020) | 0.43 (2/6/2014) | (0.396 - 0.43)/(32 - 5) | -0.00125926 |
| 0.611 (3/18/2021) | 0.43 (2/6/2014) | (0.611 - 0.43)/(33 - 5) | 0.00646429 |
| 0.892 (5/5/2021) | 0.43 (2/6/2014) | (0.892 - 0.43)/(34 - 5) | 0.015931 |

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|---|---|---|---|
| 0.802 (9/2/2021) | 0.43 (2/6/2014) | (0.802 - 0.43)/(35 - 5) | 0.0124 |
| 0.34 (11/23/2021) | 0.43 (2/6/2014) | (0.34 - 0.43)/(36 - 5) | -0.00290323 |
| 0.501 (1/10/2022) | 0.43 (2/6/2014) | (0.501 - 0.43)/(37 - 5) | 0.00221875 |
| 0.386 (4/7/2022) | 0.43 (2/6/2014) | (0.386 - 0.43)/(38 - 5) | -0.00133333 |
| 0.352 (8/3/2022) | 0.43 (2/6/2014) | (0.352 - 0.43)/(39 - 5) | -0.00229412 |
| 0.434 (11/16/2022) | 0.43 (2/6/2014) | (0.434 - 0.43)/(40 - 5) | 0.000114286 |
| 0.636 (2/13/2023) | 0.43 (2/6/2014) | (0.636 - 0.43)/(41 - 5) | 0.00572222 |
| 22.8 (5/24/2023) | 0.43 (2/6/2014) | (22.8 - 0.43)/(42 - 5) | 0.604595 |
| 0.676 (8/7/2023) | 0.43 (2/6/2014) | (0.676 - 0.43)/(43 - 5) | 0.00647368 |
| 0.634 (12/12/2023) | 0.43 (2/6/2014) | (0.634 - 0.43)/(44 - 5) | 0.00523077 |
| 0.816 (1/10/2024) | 0.43 (2/6/2014) | (0.816 - 0.43)/(45 - 5) | 0.00965 |
| 0.424 (5/20/2024) | 0.43 (2/6/2014) | (0.424 - 0.43)/(46 - 5) | -0.000146341 |
| 0.502 (9/16/2024) | 0.43 (2/6/2014) | (0.502 - 0.43)/(47 - 5) | 0.00171429 |
| 0.559 (12/11/2024) | 0.43 (2/6/2014) | (0.559 - 0.43)/(48 - 5) | 0.003 |
| 0.519 (2/18/2025) | 0.43 (2/6/2014) | (0.519 - 0.43)/(49 - 5) | 0.00202273 |
| | | | |
| 0.4 (9/30/2014) | 0.44 (6/26/2014) | (0.4 - 0.44)/(7 - 6) | -0.04 |
| 0.43 (11/19/2014) | 0.44 (6/26/2014) | (0.43 - 0.44)/(8 - 6) | -0.005 |
| 0.81 (3/23/2015) | 0.44 (6/26/2014) | (0.81 - 0.44)/(9 - 6) | 0.123333 |
| ND<0.25 U (4/22/2015) | 0.44 (6/26/2014) | (0.25 - 0.44)/(10 - 6) | -0.0475 |
| ND<0.25 U (9/30/2015) | 0.44 (6/26/2014) | (0.25 - 0.44)/(11 - 6) | -0.038 |
| 0.75 (11/19/2015) | 0.44 (6/26/2014) | (0.75 - 0.44)/(12 - 6) | 0.0516667 |
| 0.43 (3/15/2016) | 0.44 (6/26/2014) | (0.43 - 0.44)/(13 - 6) | -0.00142857 |
| 0.35 (6/29/2016) | 0.44 (6/26/2014) | (0.35 - 0.44)/(14 - 6) | -0.01125 |
| 0.45 (8/9/2016) | 0.44 (6/26/2014) | (0.45 - 0.44)/(15 - 6) | 0.00111111 |
| 0.53 (12/7/2016) | 0.44 (6/26/2014) | (0.53 - 0.44)/(16 - 6) | 0.009 |
| 0.45 (3/2/2017) | 0.44 (6/26/2014) | (0.45 - 0.44)/(17 - 6) | 0.000909091 |
| 0.51 (6/21/2017) | 0.44 (6/26/2014) | (0.51 - 0.44)/(18 - 6) | 0.00583333 |
| 0.72 (8/17/2017) | 0.44 (6/26/2014) | (0.72 - 0.44)/(19 - 6) | 0.0215385 |
| 0.27 (10/26/2017) | 0.44 (6/26/2014) | (0.27 - 0.44)/(20 - 6) | -0.0121429 |
| ND<0.25 U (3/27/2018) | 0.44 (6/26/2014) | (0.25 - 0.44)/(21 - 6) | -0.0126667 |
| 0.802 (6/26/2018) | 0.44 (6/26/2014) | (0.802 - 0.44)/(22 - 6) | 0.022625 |
| 0.506 (8/1/2018) | 0.44 (6/26/2014) | (0.506 - 0.44)/(23 - 6) | 0.00388235 |
| 0.479 (12/11/2018) | 0.44 (6/26/2014) | (0.479 - 0.44)/(24 - 6) | 0.00216667 |
| 0.288 (4/17/2019) | 0.44 (6/26/2014) | (0.288 - 0.44)/(25 - 6) | -0.008 |
| 0.52 (6/11/2019) | 0.44 (6/26/2014) | (0.52 - 0.44)/(26 - 6) | 0.004 |
| 0.748 (8/28/2019) | 0.44 (6/26/2014) | (0.748 - 0.44)/(27 - 6) | 0.0146667 |
| ND<0.25 U (10/28/2019) | 0.44 (6/26/2014) | (0.25 - 0.44)/(28 - 6) | -0.00863636 |
| 0.574 (3/31/2020) | 0.44 (6/26/2014) | (0.574 - 0.44)/(29 - 6) | 0.00582609 |
| 0.33 (6/10/2020) | 0.44 (6/26/2014) | (0.33 - 0.44)/(30 - 6) | -0.00458333 |
| ND<0.25 U (9/21/2020) | 0.44 (6/26/2014) | (0.25 - 0.44)/(31 - 6) | -0.0076 |
| 0.396 (12/17/2020) | 0.44 (6/26/2014) | (0.396 - 0.44)/(32 - 6) | -0.00169231 |
| 0.611 (3/18/2021) | 0.44 (6/26/2014) | (0.611 - 0.44)/(33 - 6) | 0.00633333 |
| 0.892 (5/5/2021) | 0.44 (6/26/2014) | (0.892 - 0.44)/(34 - 6) | 0.0161429 |
| 0.802 (9/2/2021) | 0.44 (6/26/2014) | (0.802 - 0.44)/(35 - 6) | 0.0124828 |
| 0.34 (11/23/2021) | 0.44 (6/26/2014) | (0.34 - 0.44)/(36 - 6) | -0.00333333 |
| 0.501 (1/10/2022) | 0.44 (6/26/2014) | (0.501 - 0.44)/(37 - 6) | 0.00196774 |
| 0.386 (4/7/2022) | 0.44 (6/26/2014) | (0.386 - 0.44)/(38 - 6) | -0.0016875 |
| 0.352 (8/3/2022) | 0.44 (6/26/2014) | (0.352 - 0.44)/(39 - 6) | -0.00266667 |
| 0.434 (11/16/2022) | 0.44 (6/26/2014) | (0.434 - 0.44)/(40 - 6) | -0.000176471 |
| 0.636 (2/13/2023) | 0.44 (6/26/2014) | (0.636 - 0.44)/(41 - 6) | 0.0056 |
| 22.8 (5/24/2023) | 0.44 (6/26/2014) | (22.8 - 0.44)/(42 - 6) | 0.621111 |
| 0.676 (8/7/2023) | 0.44 (6/26/2014) | (0.676 - 0.44)/(43 - 6) | 0.00637838 |
| 0.634 (12/12/2023) | 0.44 (6/26/2014) | (0.634 - 0.44)/(44 - 6) | 0.00510526 |
| 0.816 (1/10/2024) | 0.44 (6/26/2014) | (0.816 - 0.44)/(45 - 6) | 0.00964103 |
| 0.424 (5/20/2024) | 0.44 (6/26/2014) | (0.424 - 0.44)/(46 - 6) | -0.0004 |
| 0.502 (9/16/2024) | 0.44 (6/26/2014) | (0.502 - 0.44)/(47 - 6) | 0.0015122 |

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|---|---|---|---|
| 0.559 (12/11/2024) | 0.44 (6/26/2014) | (0.559 - 0.44)/(48 - 6) | 0.00283333 |
| 0.519 (2/18/2025) | 0.44 (6/26/2014) | (0.519 - 0.44)/(49 - 6) | 0.00183721 |
| | | | |
| 0.43 (11/19/2014) | 0.4 (9/30/2014) | (0.43 - 0.4)/(8 - 7) | 0.03 |
| 0.81 (3/23/2015) | 0.4 (9/30/2014) | (0.81 - 0.4)/(9 - 7) | 0.205 |
| ND<0.25 U (4/22/2015) | 0.4 (9/30/2014) | (0.25 - 0.4)/(10 - 7) | -0.05 |
| ND<0.25 U (9/30/2015) | 0.4 (9/30/2014) | (0.25 - 0.4)/(11 - 7) | -0.0375 |
| 0.75 (11/19/2015) | 0.4 (9/30/2014) | (0.75 - 0.4)/(12 - 7) | 0.07 |
| 0.43 (3/15/2016) | 0.4 (9/30/2014) | (0.43 - 0.4)/(13 - 7) | 0.005 |
| 0.35 (6/29/2016) | 0.4 (9/30/2014) | (0.35 - 0.4)/(14 - 7) | -0.00714286 |
| 0.45 (8/9/2016) | 0.4 (9/30/2014) | (0.45 - 0.4)/(15 - 7) | 0.00625 |
| 0.53 (12/7/2016) | 0.4 (9/30/2014) | (0.53 - 0.4)/(16 - 7) | 0.0144444 |
| 0.45 (3/2/2017) | 0.4 (9/30/2014) | (0.45 - 0.4)/(17 - 7) | 0.005 |
| 0.51 (6/21/2017) | 0.4 (9/30/2014) | (0.51 - 0.4)/(18 - 7) | 0.01 |
| 0.72 (8/17/2017) | 0.4 (9/30/2014) | (0.72 - 0.4)/(19 - 7) | 0.0266667 |
| 0.27 (10/26/2017) | 0.4 (9/30/2014) | (0.27 - 0.4)/(20 - 7) | -0.01 |
| ND<0.25 U (3/27/2018) | 0.4 (9/30/2014) | (0.25 - 0.4)/(21 - 7) | -0.0107143 |
| 0.802 (6/26/2018) | 0.4 (9/30/2014) | (0.802 - 0.4)/(22 - 7) | 0.0268 |
| 0.506 (8/1/2018) | 0.4 (9/30/2014) | (0.506 - 0.4)/(23 - 7) | 0.006625 |
| 0.479 (12/11/2018) | 0.4 (9/30/2014) | (0.479 - 0.4)/(24 - 7) | 0.00464706 |
| 0.288 (4/17/2019) | 0.4 (9/30/2014) | (0.288 - 0.4)/(25 - 7) | -0.00622222 |
| 0.52 (6/11/2019) | 0.4 (9/30/2014) | (0.52 - 0.4)/(26 - 7) | 0.00631579 |
| 0.748 (8/28/2019) | 0.4 (9/30/2014) | (0.748 - 0.4)/(27 - 7) | 0.0174 |
| ND<0.25 U (10/28/2019) | 0.4 (9/30/2014) | (0.25 - 0.4)/(28 - 7) | -0.00714286 |
| 0.574 (3/31/2020) | 0.4 (9/30/2014) | (0.574 - 0.4)/(29 - 7) | 0.00790909 |
| 0.33 (6/10/2020) | 0.4 (9/30/2014) | (0.33 - 0.4)/(30 - 7) | -0.00304348 |
| ND<0.25 U (9/21/2020) | 0.4 (9/30/2014) | (0.25 - 0.4)/(31 - 7) | -0.00625 |
| 0.396 (12/17/2020) | 0.4 (9/30/2014) | (0.396 - 0.4)/(32 - 7) | -0.00016 |
| 0.611 (3/18/2021) | 0.4 (9/30/2014) | (0.611 - 0.4)/(33 - 7) | 0.00811538 |
| 0.892 (5/5/2021) | 0.4 (9/30/2014) | (0.892 - 0.4)/(34 - 7) | 0.0182222 |
| 0.802 (9/2/2021) | 0.4 (9/30/2014) | (0.802 - 0.4)/(35 - 7) | 0.0143571 |
| 0.34 (11/23/2021) | 0.4 (9/30/2014) | (0.34 - 0.4)/(36 - 7) | -0.00206897 |
| 0.501 (1/10/2022) | 0.4 (9/30/2014) | (0.501 - 0.4)/(37 - 7) | 0.00336667 |
| 0.386 (4/7/2022) | 0.4 (9/30/2014) | (0.386 - 0.4)/(38 - 7) | -0.000451613 |
| 0.352 (8/3/2022) | 0.4 (9/30/2014) | (0.352 - 0.4)/(39 - 7) | -0.0015 |
| 0.434 (11/16/2022) | 0.4 (9/30/2014) | (0.434 - 0.4)/(40 - 7) | 0.0010303 |
| 0.636 (2/13/2023) | 0.4 (9/30/2014) | (0.636 - 0.4)/(41 - 7) | 0.00694118 |
| 22.8 (5/24/2023) | 0.4 (9/30/2014) | (22.8 - 0.4)/(42 - 7) | 0.64 |
| 0.676 (8/7/2023) | 0.4 (9/30/2014) | (0.676 - 0.4)/(43 - 7) | 0.00766667 |
| 0.634 (12/12/2023) | 0.4 (9/30/2014) | (0.634 - 0.4)/(44 - 7) | 0.00632432 |
| 0.816 (1/10/2024) | 0.4 (9/30/2014) | (0.816 - 0.4)/(45 - 7) | 0.0109474 |
| 0.424 (5/20/2024) | 0.4 (9/30/2014) | (0.424 - 0.4)/(46 - 7) | 0.000615385 |
| 0.502 (9/16/2024) | 0.4 (9/30/2014) | (0.502 - 0.4)/(47 - 7) | 0.00255 |
| 0.559 (12/11/2024) | 0.4 (9/30/2014) | (0.559 - 0.4)/(48 - 7) | 0.00387805 |
| 0.519 (2/18/2025) | 0.4 (9/30/2014) | (0.519 - 0.4)/(49 - 7) | 0.00283333 |
| | | | |
| 0.81 (3/23/2015) | 0.43 (11/19/2014) | (0.81 - 0.43)/(9 - 8) | 0.38 |
| ND<0.25 U (4/22/2015) | 0.43 (11/19/2014) | (0.25 - 0.43)/(10 - 8) | -0.09 |
| ND<0.25 U (9/30/2015) | 0.43 (11/19/2014) | (0.25 - 0.43)/(11 - 8) | -0.06 |
| 0.75 (11/19/2015) | 0.43 (11/19/2014) | (0.75 - 0.43)/(12 - 8) | 0.08 |
| 0.43 (3/15/2016) | 0.43 (11/19/2014) | (0.43 - 0.43)/(13 - 8) | 0 |
| 0.35 (6/29/2016) | 0.43 (11/19/2014) | (0.35 - 0.43)/(14 - 8) | -0.0133333 |
| 0.45 (8/9/2016) | 0.43 (11/19/2014) | (0.45 - 0.43)/(15 - 8) | 0.00285714 |
| 0.53 (12/7/2016) | 0.43 (11/19/2014) | (0.53 - 0.43)/(16 - 8) | 0.0125 |
| 0.45 (3/2/2017) | 0.43 (11/19/2014) | (0.45 - 0.43)/(17 - 8) | 0.00222222 |
| 0.51 (6/21/2017) | 0.43 (11/19/2014) | (0.51 - 0.43)/(18 - 8) | 0.008 |
| 0.72 (8/17/2017) | 0.43 (11/19/2014) | (0.72 - 0.43)/(19 - 8) | 0.0263636 |

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|---|---|---|---|
| 0.27 (10/26/2017) | 0.43 (11/19/2014) | (0.27 - 0.43)/(20 - 8) | -0.0133333 |
| ND<0.25 U (3/27/2018) | 0.43 (11/19/2014) | (0.25 - 0.43)/(21 - 8) | -0.0138462 |
| 0.802 (6/26/2018) | 0.43 (11/19/2014) | (0.802 - 0.43)/(22 - 8) | 0.0265714 |
| 0.506 (8/1/2018) | 0.43 (11/19/2014) | (0.506 - 0.43)/(23 - 8) | 0.00506667 |
| 0.479 (12/11/2018) | 0.43 (11/19/2014) | (0.479 - 0.43)/(24 - 8) | 0.0030625 |
| 0.288 (4/17/2019) | 0.43 (11/19/2014) | (0.288 - 0.43)/(25 - 8) | -0.00835294 |
| 0.52 (6/11/2019) | 0.43 (11/19/2014) | (0.52 - 0.43)/(26 - 8) | 0.005 |
| 0.748 (8/28/2019) | 0.43 (11/19/2014) | (0.748 - 0.43)/(27 - 8) | 0.0167368 |
| ND<0.25 U (10/28/2019) | 0.43 (11/19/2014) | (0.25 - 0.43)/(28 - 8) | -0.009 |
| 0.574 (3/31/2020) | 0.43 (11/19/2014) | (0.574 - 0.43)/(29 - 8) | 0.00685714 |
| 0.33 (6/10/2020) | 0.43 (11/19/2014) | (0.33 - 0.43)/(30 - 8) | -0.00454545 |
| ND<0.25 U (9/21/2020) | 0.43 (11/19/2014) | (0.25 - 0.43)/(31 - 8) | -0.00782609 |
| 0.396 (12/17/2020) | 0.43 (11/19/2014) | (0.396 - 0.43)/(32 - 8) | -0.00141667 |
| 0.611 (3/18/2021) | 0.43 (11/19/2014) | (0.611 - 0.43)/(33 - 8) | 0.00724 |
| 0.892 (5/5/2021) | 0.43 (11/19/2014) | (0.892 - 0.43)/(34 - 8) | 0.0177692 |
| 0.802 (9/2/2021) | 0.43 (11/19/2014) | (0.802 - 0.43)/(35 - 8) | 0.0137778 |
| 0.34 (11/23/2021) | 0.43 (11/19/2014) | (0.34 - 0.43)/(36 - 8) | -0.00321429 |
| 0.501 (1/10/2022) | 0.43 (11/19/2014) | (0.501 - 0.43)/(37 - 8) | 0.00244828 |
| 0.386 (4/7/2022) | 0.43 (11/19/2014) | (0.386 - 0.43)/(38 - 8) | -0.00146667 |
| 0.352 (8/3/2022) | 0.43 (11/19/2014) | (0.352 - 0.43)/(39 - 8) | -0.00251613 |
| 0.434 (11/16/2022) | 0.43 (11/19/2014) | (0.434 - 0.43)/(40 - 8) | 0.000125 |
| 0.636 (2/13/2023) | 0.43 (11/19/2014) | (0.636 - 0.43)/(41 - 8) | 0.00624242 |
| 22.8 (5/24/2023) | 0.43 (11/19/2014) | (22.8 - 0.43)/(42 - 8) | 0.657941 |
| 0.676 (8/7/2023) | 0.43 (11/19/2014) | (0.676 - 0.43)/(43 - 8) | 0.00702857 |
| 0.634 (12/12/2023) | 0.43 (11/19/2014) | (0.634 - 0.43)/(44 - 8) | 0.00566667 |
| 0.816 (1/10/2024) | 0.43 (11/19/2014) | (0.816 - 0.43)/(45 - 8) | 0.0104324 |
| 0.424 (5/20/2024) | 0.43 (11/19/2014) | (0.424 - 0.43)/(46 - 8) | -0.000157895 |
| 0.502 (9/16/2024) | 0.43 (11/19/2014) | (0.502 - 0.43)/(47 - 8) | 0.00184615 |
| 0.559 (12/11/2024) | 0.43 (11/19/2014) | (0.559 - 0.43)/(48 - 8) | 0.003225 |
| 0.519 (2/18/2025) | 0.43 (11/19/2014) | (0.519 - 0.43)/(49 - 8) | 0.00217073 |

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|---|---|---|---|
| ND<0.25 U (4/22/2015) | 0.81 (3/23/2015) | (0.25 - 0.81)/(10 - 9) | -0.56 |
| ND<0.25 U (9/30/2015) | 0.81 (3/23/2015) | (0.25 - 0.81)/(11 - 9) | -0.28 |
| 0.75 (11/19/2015) | 0.81 (3/23/2015) | (0.75 - 0.81)/(12 - 9) | -0.02 |
| 0.43 (3/15/2016) | 0.81 (3/23/2015) | (0.43 - 0.81)/(13 - 9) | -0.095 |
| 0.35 (6/29/2016) | 0.81 (3/23/2015) | (0.35 - 0.81)/(14 - 9) | -0.092 |
| 0.45 (8/9/2016) | 0.81 (3/23/2015) | (0.45 - 0.81)/(15 - 9) | -0.06 |
| 0.53 (12/7/2016) | 0.81 (3/23/2015) | (0.53 - 0.81)/(16 - 9) | -0.04 |
| 0.45 (3/2/2017) | 0.81 (3/23/2015) | (0.45 - 0.81)/(17 - 9) | -0.045 |
| 0.51 (6/21/2017) | 0.81 (3/23/2015) | (0.51 - 0.81)/(18 - 9) | -0.0333333 |
| 0.72 (8/17/2017) | 0.81 (3/23/2015) | (0.72 - 0.81)/(19 - 9) | -0.009 |
| 0.27 (10/26/2017) | 0.81 (3/23/2015) | (0.27 - 0.81)/(20 - 9) | -0.0490909 |
| ND<0.25 U (3/27/2018) | 0.81 (3/23/2015) | (0.25 - 0.81)/(21 - 9) | -0.0466667 |
| 0.802 (6/26/2018) | 0.81 (3/23/2015) | (0.802 - 0.81)/(22 - 9) | -0.000615385 |
| 0.506 (8/1/2018) | 0.81 (3/23/2015) | (0.506 - 0.81)/(23 - 9) | -0.0217143 |
| 0.479 (12/11/2018) | 0.81 (3/23/2015) | (0.479 - 0.81)/(24 - 9) | -0.0220667 |
| 0.288 (4/17/2019) | 0.81 (3/23/2015) | (0.288 - 0.81)/(25 - 9) | -0.032625 |
| 0.52 (6/11/2019) | 0.81 (3/23/2015) | (0.52 - 0.81)/(26 - 9) | -0.0170588 |
| 0.748 (8/28/2019) | 0.81 (3/23/2015) | (0.748 - 0.81)/(27 - 9) | -0.00344444 |
| ND<0.25 U (10/28/2019) | 0.81 (3/23/2015) | (0.25 - 0.81)/(28 - 9) | -0.0294737 |
| 0.574 (3/31/2020) | 0.81 (3/23/2015) | (0.574 - 0.81)/(29 - 9) | -0.0118 |
| 0.33 (6/10/2020) | 0.81 (3/23/2015) | (0.33 - 0.81)/(30 - 9) | -0.0228571 |
| ND<0.25 U (9/21/2020) | 0.81 (3/23/2015) | (0.25 - 0.81)/(31 - 9) | -0.0254545 |
| 0.396 (12/17/2020) | 0.81 (3/23/2015) | (0.396 - 0.81)/(32 - 9) | -0.018 |
| 0.611 (3/18/2021) | 0.81 (3/23/2015) | (0.611 - 0.81)/(33 - 9) | -0.00829167 |
| 0.892 (5/5/2021) | 0.81 (3/23/2015) | (0.892 - 0.81)/(34 - 9) | 0.00328 |
| 0.802 (9/2/2021) | 0.81 (3/23/2015) | (0.802 - 0.81)/(35 - 9) | -0.000307692 |

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|---|---|---|---|
| 0.34 (11/23/2021) | 0.81 (3/23/2015) | (0.34 - 0.81)/(36 - 9) | -0.0174074 |
| 0.501 (1/10/2022) | 0.81 (3/23/2015) | (0.501 - 0.81)/(37 - 9) | -0.0110357 |
| 0.386 (4/7/2022) | 0.81 (3/23/2015) | (0.386 - 0.81)/(38 - 9) | -0.0146207 |
| 0.352 (8/3/2022) | 0.81 (3/23/2015) | (0.352 - 0.81)/(39 - 9) | -0.0152667 |
| 0.434 (11/16/2022) | 0.81 (3/23/2015) | (0.434 - 0.81)/(40 - 9) | -0.012129 |
| 0.636 (2/13/2023) | 0.81 (3/23/2015) | (0.636 - 0.81)/(41 - 9) | -0.0054375 |
| 22.8 (5/24/2023) | 0.81 (3/23/2015) | (22.8 - 0.81)/(42 - 9) | 0.666364 |
| 0.676 (8/7/2023) | 0.81 (3/23/2015) | (0.676 - 0.81)/(43 - 9) | -0.00394118 |
| 0.634 (12/12/2023) | 0.81 (3/23/2015) | (0.634 - 0.81)/(44 - 9) | -0.00502857 |
| 0.816 (1/10/2024) | 0.81 (3/23/2015) | (0.816 - 0.81)/(45 - 9) | 0.000166667 |
| 0.424 (5/20/2024) | 0.81 (3/23/2015) | (0.424 - 0.81)/(46 - 9) | -0.0104324 |
| 0.502 (9/16/2024) | 0.81 (3/23/2015) | (0.502 - 0.81)/(47 - 9) | -0.00810526 |
| 0.559 (12/11/2024) | 0.81 (3/23/2015) | (0.559 - 0.81)/(48 - 9) | -0.0064359 |
| 0.519 (2/18/2025) | 0.81 (3/23/2015) | (0.519 - 0.81)/(49 - 9) | -0.007275 |
| | | | |
| ND<0.25 U (9/30/2015) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(11 - 10) | 0 |
| 0.75 (11/19/2015) | ND<0.25 U (4/22/2015) | (0.75 - 0.25)/(12 - 10) | 0.25 |
| 0.43 (3/15/2016) | ND<0.25 U (4/22/2015) | (0.43 - 0.25)/(13 - 10) | 0.06 |
| 0.35 (6/29/2016) | ND<0.25 U (4/22/2015) | (0.35 - 0.25)/(14 - 10) | 0.025 |
| 0.45 (8/9/2016) | ND<0.25 U (4/22/2015) | (0.45 - 0.25)/(15 - 10) | 0.04 |
| 0.53 (12/7/2016) | ND<0.25 U (4/22/2015) | (0.53 - 0.25)/(16 - 10) | 0.0466667 |
| 0.45 (3/2/2017) | ND<0.25 U (4/22/2015) | (0.45 - 0.25)/(17 - 10) | 0.0285714 |
| 0.51 (6/21/2017) | ND<0.25 U (4/22/2015) | (0.51 - 0.25)/(18 - 10) | 0.0325 |
| 0.72 (8/17/2017) | ND<0.25 U (4/22/2015) | (0.72 - 0.25)/(19 - 10) | 0.0522222 |
| 0.27 (10/26/2017) | ND<0.25 U (4/22/2015) | (0.27 - 0.25)/(20 - 10) | 0.002 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(21 - 10) | 0 |
| 0.802 (6/26/2018) | ND<0.25 U (4/22/2015) | (0.802 - 0.25)/(22 - 10) | 0.046 |
| 0.506 (8/1/2018) | ND<0.25 U (4/22/2015) | (0.506 - 0.25)/(23 - 10) | 0.0196923 |
| 0.479 (12/11/2018) | ND<0.25 U (4/22/2015) | (0.479 - 0.25)/(24 - 10) | 0.0163571 |
| 0.288 (4/17/2019) | ND<0.25 U (4/22/2015) | (0.288 - 0.25)/(25 - 10) | 0.00253333 |
| 0.52 (6/11/2019) | ND<0.25 U (4/22/2015) | (0.52 - 0.25)/(26 - 10) | 0.016875 |
| 0.748 (8/28/2019) | ND<0.25 U (4/22/2015) | (0.748 - 0.25)/(27 - 10) | 0.0292941 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(28 - 10) | 0 |
| 0.574 (3/31/2020) | ND<0.25 U (4/22/2015) | (0.574 - 0.25)/(29 - 10) | 0.0170526 |
| 0.33 (6/10/2020) | ND<0.25 U (4/22/2015) | (0.33 - 0.25)/(30 - 10) | 0.004 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (4/22/2015) | (0.25 - 0.25)/(31 - 10) | 0 |
| 0.396 (12/17/2020) | ND<0.25 U (4/22/2015) | (0.396 - 0.25)/(32 - 10) | 0.00663636 |
| 0.611 (3/18/2021) | ND<0.25 U (4/22/2015) | (0.611 - 0.25)/(33 - 10) | 0.0156957 |
| 0.892 (5/5/2021) | ND<0.25 U (4/22/2015) | (0.892 - 0.25)/(34 - 10) | 0.02675 |
| 0.802 (9/2/2021) | ND<0.25 U (4/22/2015) | (0.802 - 0.25)/(35 - 10) | 0.02208 |
| 0.34 (11/23/2021) | ND<0.25 U (4/22/2015) | (0.34 - 0.25)/(36 - 10) | 0.00346154 |
| 0.501 (1/10/2022) | ND<0.25 U (4/22/2015) | (0.501 - 0.25)/(37 - 10) | 0.0092963 |
| 0.386 (4/7/2022) | ND<0.25 U (4/22/2015) | (0.386 - 0.25)/(38 - 10) | 0.00485714 |
| 0.352 (8/3/2022) | ND<0.25 U (4/22/2015) | (0.352 - 0.25)/(39 - 10) | 0.00351724 |
| 0.434 (11/16/2022) | ND<0.25 U (4/22/2015) | (0.434 - 0.25)/(40 - 10) | 0.00613333 |
| 0.636 (2/13/2023) | ND<0.25 U (4/22/2015) | (0.636 - 0.25)/(41 - 10) | 0.0124516 |
| 22.8 (5/24/2023) | ND<0.25 U (4/22/2015) | (22.8 - 0.25)/(42 - 10) | 0.704688 |
| 0.676 (8/7/2023) | ND<0.25 U (4/22/2015) | (0.676 - 0.25)/(43 - 10) | 0.0129091 |
| 0.634 (12/12/2023) | ND<0.25 U (4/22/2015) | (0.634 - 0.25)/(44 - 10) | 0.0112941 |
| 0.816 (1/10/2024) | ND<0.25 U (4/22/2015) | (0.816 - 0.25)/(45 - 10) | 0.0161714 |
| 0.424 (5/20/2024) | ND<0.25 U (4/22/2015) | (0.424 - 0.25)/(46 - 10) | 0.00483333 |
| 0.502 (9/16/2024) | ND<0.25 U (4/22/2015) | (0.502 - 0.25)/(47 - 10) | 0.00681081 |
| 0.559 (12/11/2024) | ND<0.25 U (4/22/2015) | (0.559 - 0.25)/(48 - 10) | 0.00813158 |
| 0.519 (2/18/2025) | ND<0.25 U (4/22/2015) | (0.519 - 0.25)/(49 - 10) | 0.00689744 |
| | | | |
| 0.75 (11/19/2015) | ND<0.25 U (9/30/2015) | (0.75 - 0.25)/(12 - 11) | 0.5 |
| 0.43 (3/15/2016) | ND<0.25 U (9/30/2015) | (0.43 - 0.25)/(13 - 11) | 0.09 |

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|---|---|---|---|
| 0.35 (6/29/2016) | ND<0.25 U (9/30/2015) | (0.35 - 0.25)/(14 - 11) | 0.0333333 |
| 0.45 (8/9/2016) | ND<0.25 U (9/30/2015) | (0.45 - 0.25)/(15 - 11) | 0.05 |
| 0.53 (12/7/2016) | ND<0.25 U (9/30/2015) | (0.53 - 0.25)/(16 - 11) | 0.056 |
| 0.45 (3/2/2017) | ND<0.25 U (9/30/2015) | (0.45 - 0.25)/(17 - 11) | 0.0333333 |
| 0.51 (6/21/2017) | ND<0.25 U (9/30/2015) | (0.51 - 0.25)/(18 - 11) | 0.0371429 |
| 0.72 (8/17/2017) | ND<0.25 U (9/30/2015) | (0.72 - 0.25)/(19 - 11) | 0.05875 |
| 0.27 (10/26/2017) | ND<0.25 U (9/30/2015) | (0.27 - 0.25)/(20 - 11) | 0.00222222 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(21 - 11) | 0 |
| 0.802 (6/26/2018) | ND<0.25 U (9/30/2015) | (0.802 - 0.25)/(22 - 11) | 0.0501818 |
| 0.506 (8/1/2018) | ND<0.25 U (9/30/2015) | (0.506 - 0.25)/(23 - 11) | 0.0213333 |
| 0.479 (12/11/2018) | ND<0.25 U (9/30/2015) | (0.479 - 0.25)/(24 - 11) | 0.0176154 |
| 0.288 (4/17/2019) | ND<0.25 U (9/30/2015) | (0.288 - 0.25)/(25 - 11) | 0.00271429 |
| 0.52 (6/11/2019) | ND<0.25 U (9/30/2015) | (0.52 - 0.25)/(26 - 11) | 0.018 |
| 0.748 (8/28/2019) | ND<0.25 U (9/30/2015) | (0.748 - 0.25)/(27 - 11) | 0.031125 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(28 - 11) | 0 |
| 0.574 (3/31/2020) | ND<0.25 U (9/30/2015) | (0.574 - 0.25)/(29 - 11) | 0.018 |
| 0.33 (6/10/2020) | ND<0.25 U (9/30/2015) | (0.33 - 0.25)/(30 - 11) | 0.00421053 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (9/30/2015) | (0.25 - 0.25)/(31 - 11) | 0 |
| 0.396 (12/17/2020) | ND<0.25 U (9/30/2015) | (0.396 - 0.25)/(32 - 11) | 0.00695238 |
| 0.611 (3/18/2021) | ND<0.25 U (9/30/2015) | (0.611 - 0.25)/(33 - 11) | 0.0164091 |
| 0.892 (5/5/2021) | ND<0.25 U (9/30/2015) | (0.892 - 0.25)/(34 - 11) | 0.027913 |
| 0.802 (9/2/2021) | ND<0.25 U (9/30/2015) | (0.802 - 0.25)/(35 - 11) | 0.023 |
| 0.34 (11/23/2021) | ND<0.25 U (9/30/2015) | (0.34 - 0.25)/(36 - 11) | 0.0036 |
| 0.501 (1/10/2022) | ND<0.25 U (9/30/2015) | (0.501 - 0.25)/(37 - 11) | 0.00965385 |
| 0.386 (4/7/2022) | ND<0.25 U (9/30/2015) | (0.386 - 0.25)/(38 - 11) | 0.00503704 |
| 0.352 (8/3/2022) | ND<0.25 U (9/30/2015) | (0.352 - 0.25)/(39 - 11) | 0.00364286 |
| 0.434 (11/16/2022) | ND<0.25 U (9/30/2015) | (0.434 - 0.25)/(40 - 11) | 0.00634483 |
| 0.636 (2/13/2023) | ND<0.25 U (9/30/2015) | (0.636 - 0.25)/(41 - 11) | 0.0128667 |
| 22.8 (5/24/2023) | ND<0.25 U (9/30/2015) | (22.8 - 0.25)/(42 - 11) | 0.727419 |
| 0.676 (8/7/2023) | ND<0.25 U (9/30/2015) | (0.676 - 0.25)/(43 - 11) | 0.0133125 |
| 0.634 (12/12/2023) | ND<0.25 U (9/30/2015) | (0.634 - 0.25)/(44 - 11) | 0.0116364 |
| 0.816 (1/10/2024) | ND<0.25 U (9/30/2015) | (0.816 - 0.25)/(45 - 11) | 0.0166471 |
| 0.424 (5/20/2024) | ND<0.25 U (9/30/2015) | (0.424 - 0.25)/(46 - 11) | 0.00497143 |
| 0.502 (9/16/2024) | ND<0.25 U (9/30/2015) | (0.502 - 0.25)/(47 - 11) | 0.007 |
| 0.559 (12/11/2024) | ND<0.25 U (9/30/2015) | (0.559 - 0.25)/(48 - 11) | 0.00835135 |
| 0.519 (2/18/2025) | ND<0.25 U (9/30/2015) | (0.519 - 0.25)/(49 - 11) | 0.00707895 |

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|---|---|---|---|
| 0.43 (3/15/2016) | 0.75 (11/19/2015) | (0.43 - 0.75)/(13 - 12) | -0.32 |
| 0.35 (6/29/2016) | 0.75 (11/19/2015) | (0.35 - 0.75)/(14 - 12) | -0.2 |
| 0.45 (8/9/2016) | 0.75 (11/19/2015) | (0.45 - 0.75)/(15 - 12) | -0.1 |
| 0.53 (12/7/2016) | 0.75 (11/19/2015) | (0.53 - 0.75)/(16 - 12) | -0.055 |
| 0.45 (3/2/2017) | 0.75 (11/19/2015) | (0.45 - 0.75)/(17 - 12) | -0.06 |
| 0.51 (6/21/2017) | 0.75 (11/19/2015) | (0.51 - 0.75)/(18 - 12) | -0.04 |
| 0.72 (8/17/2017) | 0.75 (11/19/2015) | (0.72 - 0.75)/(19 - 12) | -0.00428571 |
| 0.27 (10/26/2017) | 0.75 (11/19/2015) | (0.27 - 0.75)/(20 - 12) | -0.06 |
| ND<0.25 U (3/27/2018) | 0.75 (11/19/2015) | (0.25 - 0.75)/(21 - 12) | -0.0555556 |
| 0.802 (6/26/2018) | 0.75 (11/19/2015) | (0.802 - 0.75)/(22 - 12) | 0.0052 |
| 0.506 (8/1/2018) | 0.75 (11/19/2015) | (0.506 - 0.75)/(23 - 12) | -0.0221818 |
| 0.479 (12/11/2018) | 0.75 (11/19/2015) | (0.479 - 0.75)/(24 - 12) | -0.0225833 |
| 0.288 (4/17/2019) | 0.75 (11/19/2015) | (0.288 - 0.75)/(25 - 12) | -0.0355385 |
| 0.52 (6/11/2019) | 0.75 (11/19/2015) | (0.52 - 0.75)/(26 - 12) | -0.0164286 |
| 0.748 (8/28/2019) | 0.75 (11/19/2015) | (0.748 - 0.75)/(27 - 12) | -0.000133333 |
| ND<0.25 U (10/28/2019) | 0.75 (11/19/2015) | (0.25 - 0.75)/(28 - 12) | -0.03125 |
| 0.574 (3/31/2020) | 0.75 (11/19/2015) | (0.574 - 0.75)/(29 - 12) | -0.0103529 |
| 0.33 (6/10/2020) | 0.75 (11/19/2015) | (0.33 - 0.75)/(30 - 12) | -0.0233333 |
| ND<0.25 U (9/21/2020) | 0.75 (11/19/2015) | (0.25 - 0.75)/(31 - 12) | -0.0263158 |
| 0.396 (12/17/2020) | 0.75 (11/19/2015) | (0.396 - 0.75)/(32 - 12) | -0.0177 |

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|---|---|---|---|
| 0.611 (3/18/2021) | 0.75 (11/19/2015) | (0.611 - 0.75)/(33 - 12) | -0.00661905 |
| 0.892 (5/5/2021) | 0.75 (11/19/2015) | (0.892 - 0.75)/(34 - 12) | 0.00645455 |
| 0.802 (9/2/2021) | 0.75 (11/19/2015) | (0.802 - 0.75)/(35 - 12) | 0.00226087 |
| 0.34 (11/23/2021) | 0.75 (11/19/2015) | (0.34 - 0.75)/(36 - 12) | -0.0170833 |
| 0.501 (1/10/2022) | 0.75 (11/19/2015) | (0.501 - 0.75)/(37 - 12) | -0.00996 |
| 0.386 (4/7/2022) | 0.75 (11/19/2015) | (0.386 - 0.75)/(38 - 12) | -0.014 |
| 0.352 (8/3/2022) | 0.75 (11/19/2015) | (0.352 - 0.75)/(39 - 12) | -0.0147407 |
| 0.434 (11/16/2022) | 0.75 (11/19/2015) | (0.434 - 0.75)/(40 - 12) | -0.0112857 |
| 0.636 (2/13/2023) | 0.75 (11/19/2015) | (0.636 - 0.75)/(41 - 12) | -0.00393103 |
| 22.8 (5/24/2023) | 0.75 (11/19/2015) | (22.8 - 0.75)/(42 - 12) | 0.735 |
| 0.676 (8/7/2023) | 0.75 (11/19/2015) | (0.676 - 0.75)/(43 - 12) | -0.0023871 |
| 0.634 (12/12/2023) | 0.75 (11/19/2015) | (0.634 - 0.75)/(44 - 12) | -0.003625 |
| 0.816 (1/10/2024) | 0.75 (11/19/2015) | (0.816 - 0.75)/(45 - 12) | 0.002 |
| 0.424 (5/20/2024) | 0.75 (11/19/2015) | (0.424 - 0.75)/(46 - 12) | -0.00958824 |
| 0.502 (9/16/2024) | 0.75 (11/19/2015) | (0.502 - 0.75)/(47 - 12) | -0.00708571 |
| 0.559 (12/11/2024) | 0.75 (11/19/2015) | (0.559 - 0.75)/(48 - 12) | -0.00530556 |
| 0.519 (2/18/2025) | 0.75 (11/19/2015) | (0.519 - 0.75)/(49 - 12) | -0.00624324 |
| | | | |
| 0.35 (6/29/2016) | 0.43 (3/15/2016) | (0.35 - 0.43)/(14 - 13) | -0.08 |
| 0.45 (8/9/2016) | 0.43 (3/15/2016) | (0.45 - 0.43)/(15 - 13) | 0.01 |
| 0.53 (12/7/2016) | 0.43 (3/15/2016) | (0.53 - 0.43)/(16 - 13) | 0.0333333 |
| 0.45 (3/2/2017) | 0.43 (3/15/2016) | (0.45 - 0.43)/(17 - 13) | 0.005 |
| 0.51 (6/21/2017) | 0.43 (3/15/2016) | (0.51 - 0.43)/(18 - 13) | 0.016 |
| 0.72 (8/17/2017) | 0.43 (3/15/2016) | (0.72 - 0.43)/(19 - 13) | 0.0483333 |
| 0.27 (10/26/2017) | 0.43 (3/15/2016) | (0.27 - 0.43)/(20 - 13) | -0.0228571 |
| ND<0.25 U (3/27/2018) | 0.43 (3/15/2016) | (0.25 - 0.43)/(21 - 13) | -0.0225 |
| 0.802 (6/26/2018) | 0.43 (3/15/2016) | (0.802 - 0.43)/(22 - 13) | 0.0413333 |
| 0.506 (8/1/2018) | 0.43 (3/15/2016) | (0.506 - 0.43)/(23 - 13) | 0.0076 |
| 0.479 (12/11/2018) | 0.43 (3/15/2016) | (0.479 - 0.43)/(24 - 13) | 0.00445455 |
| 0.288 (4/17/2019) | 0.43 (3/15/2016) | (0.288 - 0.43)/(25 - 13) | -0.0118333 |
| 0.52 (6/11/2019) | 0.43 (3/15/2016) | (0.52 - 0.43)/(26 - 13) | 0.00692308 |
| 0.748 (8/28/2019) | 0.43 (3/15/2016) | (0.748 - 0.43)/(27 - 13) | 0.0227143 |
| ND<0.25 U (10/28/2019) | 0.43 (3/15/2016) | (0.25 - 0.43)/(28 - 13) | -0.012 |
| 0.574 (3/31/2020) | 0.43 (3/15/2016) | (0.574 - 0.43)/(29 - 13) | 0.009 |
| 0.33 (6/10/2020) | 0.43 (3/15/2016) | (0.33 - 0.43)/(30 - 13) | -0.00588235 |
| ND<0.25 U (9/21/2020) | 0.43 (3/15/2016) | (0.25 - 0.43)/(31 - 13) | -0.01 |
| 0.396 (12/17/2020) | 0.43 (3/15/2016) | (0.396 - 0.43)/(32 - 13) | -0.00178947 |
| 0.611 (3/18/2021) | 0.43 (3/15/2016) | (0.611 - 0.43)/(33 - 13) | 0.00905 |
| 0.892 (5/5/2021) | 0.43 (3/15/2016) | (0.892 - 0.43)/(34 - 13) | 0.022 |
| 0.802 (9/2/2021) | 0.43 (3/15/2016) | (0.802 - 0.43)/(35 - 13) | 0.0169091 |
| 0.34 (11/23/2021) | 0.43 (3/15/2016) | (0.34 - 0.43)/(36 - 13) | -0.00391304 |
| 0.501 (1/10/2022) | 0.43 (3/15/2016) | (0.501 - 0.43)/(37 - 13) | 0.00295833 |
| 0.386 (4/7/2022) | 0.43 (3/15/2016) | (0.386 - 0.43)/(38 - 13) | -0.00176 |
| 0.352 (8/3/2022) | 0.43 (3/15/2016) | (0.352 - 0.43)/(39 - 13) | -0.003 |
| 0.434 (11/16/2022) | 0.43 (3/15/2016) | (0.434 - 0.43)/(40 - 13) | 0.000148148 |
| 0.636 (2/13/2023) | 0.43 (3/15/2016) | (0.636 - 0.43)/(41 - 13) | 0.00735714 |
| 22.8 (5/24/2023) | 0.43 (3/15/2016) | (22.8 - 0.43)/(42 - 13) | 0.771379 |
| 0.676 (8/7/2023) | 0.43 (3/15/2016) | (0.676 - 0.43)/(43 - 13) | 0.0082 |
| 0.634 (12/12/2023) | 0.43 (3/15/2016) | (0.634 - 0.43)/(44 - 13) | 0.00658065 |
| 0.816 (1/10/2024) | 0.43 (3/15/2016) | (0.816 - 0.43)/(45 - 13) | 0.0120625 |
| 0.424 (5/20/2024) | 0.43 (3/15/2016) | (0.424 - 0.43)/(46 - 13) | -0.000181818 |
| 0.502 (9/16/2024) | 0.43 (3/15/2016) | (0.502 - 0.43)/(47 - 13) | 0.00211765 |
| 0.559 (12/11/2024) | 0.43 (3/15/2016) | (0.559 - 0.43)/(48 - 13) | 0.00368571 |
| 0.519 (2/18/2025) | 0.43 (3/15/2016) | (0.519 - 0.43)/(49 - 13) | 0.00247222 |
| | | | |
| 0.45 (8/9/2016) | 0.35 (6/29/2016) | (0.45 - 0.35)/(15 - 14) | 0.1 |
| 0.53 (12/7/2016) | 0.35 (6/29/2016) | (0.53 - 0.35)/(16 - 14) | 0.09 |

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|---|---|---|---|
| 0.45 (3/2/2017) | 0.35 (6/29/2016) | (0.45 - 0.35)/(17 - 14) | 0.0333333 |
| 0.51 (6/21/2017) | 0.35 (6/29/2016) | (0.51 - 0.35)/(18 - 14) | 0.04 |
| 0.72 (8/17/2017) | 0.35 (6/29/2016) | (0.72 - 0.35)/(19 - 14) | 0.074 |
| 0.27 (10/26/2017) | 0.35 (6/29/2016) | (0.27 - 0.35)/(20 - 14) | -0.0133333 |
| ND<0.25 U (3/27/2018) | 0.35 (6/29/2016) | (0.25 - 0.35)/(21 - 14) | -0.0142857 |
| 0.802 (6/26/2018) | 0.35 (6/29/2016) | (0.802 - 0.35)/(22 - 14) | 0.0565 |
| 0.506 (8/1/2018) | 0.35 (6/29/2016) | (0.506 - 0.35)/(23 - 14) | 0.0173333 |
| 0.479 (12/11/2018) | 0.35 (6/29/2016) | (0.479 - 0.35)/(24 - 14) | 0.0129 |
| 0.288 (4/17/2019) | 0.35 (6/29/2016) | (0.288 - 0.35)/(25 - 14) | -0.00563636 |
| 0.52 (6/11/2019) | 0.35 (6/29/2016) | (0.52 - 0.35)/(26 - 14) | 0.0141667 |
| 0.748 (8/28/2019) | 0.35 (6/29/2016) | (0.748 - 0.35)/(27 - 14) | 0.0306154 |
| ND<0.25 U (10/28/2019) | 0.35 (6/29/2016) | (0.25 - 0.35)/(28 - 14) | -0.00714286 |
| 0.574 (3/31/2020) | 0.35 (6/29/2016) | (0.574 - 0.35)/(29 - 14) | 0.0149333 |
| 0.33 (6/10/2020) | 0.35 (6/29/2016) | (0.33 - 0.35)/(30 - 14) | -0.00125 |
| ND<0.25 U (9/21/2020) | 0.35 (6/29/2016) | (0.25 - 0.35)/(31 - 14) | -0.00588235 |
| 0.396 (12/17/2020) | 0.35 (6/29/2016) | (0.396 - 0.35)/(32 - 14) | 0.00255556 |
| 0.611 (3/18/2021) | 0.35 (6/29/2016) | (0.611 - 0.35)/(33 - 14) | 0.0137368 |
| 0.892 (5/5/2021) | 0.35 (6/29/2016) | (0.892 - 0.35)/(34 - 14) | 0.0271 |
| 0.802 (9/2/2021) | 0.35 (6/29/2016) | (0.802 - 0.35)/(35 - 14) | 0.0215238 |
| 0.34 (11/23/2021) | 0.35 (6/29/2016) | (0.34 - 0.35)/(36 - 14) | -0.000454545 |
| 0.501 (1/10/2022) | 0.35 (6/29/2016) | (0.501 - 0.35)/(37 - 14) | 0.00656522 |
| 0.386 (4/7/2022) | 0.35 (6/29/2016) | (0.386 - 0.35)/(38 - 14) | 0.0015 |
| 0.352 (8/3/2022) | 0.35 (6/29/2016) | (0.352 - 0.35)/(39 - 14) | 8e-05 |
| 0.434 (11/16/2022) | 0.35 (6/29/2016) | (0.434 - 0.35)/(40 - 14) | 0.00323077 |
| 0.636 (2/13/2023) | 0.35 (6/29/2016) | (0.636 - 0.35)/(41 - 14) | 0.0105926 |
| 22.8 (5/24/2023) | 0.35 (6/29/2016) | (22.8 - 0.35)/(42 - 14) | 0.801786 |
| 0.676 (8/7/2023) | 0.35 (6/29/2016) | (0.676 - 0.35)/(43 - 14) | 0.0112414 |
| 0.634 (12/12/2023) | 0.35 (6/29/2016) | (0.634 - 0.35)/(44 - 14) | 0.00946667 |
| 0.816 (1/10/2024) | 0.35 (6/29/2016) | (0.816 - 0.35)/(45 - 14) | 0.0150323 |
| 0.424 (5/20/2024) | 0.35 (6/29/2016) | (0.424 - 0.35)/(46 - 14) | 0.0023125 |
| 0.502 (9/16/2024) | 0.35 (6/29/2016) | (0.502 - 0.35)/(47 - 14) | 0.00460606 |
| 0.559 (12/11/2024) | 0.35 (6/29/2016) | (0.559 - 0.35)/(48 - 14) | 0.00614706 |
| 0.519 (2/18/2025) | 0.35 (6/29/2016) | (0.519 - 0.35)/(49 - 14) | 0.00482857 |
| | | | |
| 0.53 (12/7/2016) | 0.45 (8/9/2016) | (0.53 - 0.45)/(16 - 15) | 0.08 |
| 0.45 (3/2/2017) | 0.45 (8/9/2016) | (0.45 - 0.45)/(17 - 15) | 0 |
| 0.51 (6/21/2017) | 0.45 (8/9/2016) | (0.51 - 0.45)/(18 - 15) | 0.02 |
| 0.72 (8/17/2017) | 0.45 (8/9/2016) | (0.72 - 0.45)/(19 - 15) | 0.0675 |
| 0.27 (10/26/2017) | 0.45 (8/9/2016) | (0.27 - 0.45)/(20 - 15) | -0.036 |
| ND<0.25 U (3/27/2018) | 0.45 (8/9/2016) | (0.25 - 0.45)/(21 - 15) | -0.0333333 |
| 0.802 (6/26/2018) | 0.45 (8/9/2016) | (0.802 - 0.45)/(22 - 15) | 0.0502857 |
| 0.506 (8/1/2018) | 0.45 (8/9/2016) | (0.506 - 0.45)/(23 - 15) | 0.007 |
| 0.479 (12/11/2018) | 0.45 (8/9/2016) | (0.479 - 0.45)/(24 - 15) | 0.00322222 |
| 0.288 (4/17/2019) | 0.45 (8/9/2016) | (0.288 - 0.45)/(25 - 15) | -0.0162 |
| 0.52 (6/11/2019) | 0.45 (8/9/2016) | (0.52 - 0.45)/(26 - 15) | 0.00636364 |
| 0.748 (8/28/2019) | 0.45 (8/9/2016) | (0.748 - 0.45)/(27 - 15) | 0.0248333 |
| ND<0.25 U (10/28/2019) | 0.45 (8/9/2016) | (0.25 - 0.45)/(28 - 15) | -0.0153846 |
| 0.574 (3/31/2020) | 0.45 (8/9/2016) | (0.574 - 0.45)/(29 - 15) | 0.00885714 |
| 0.33 (6/10/2020) | 0.45 (8/9/2016) | (0.33 - 0.45)/(30 - 15) | -0.008 |
| ND<0.25 U (9/21/2020) | 0.45 (8/9/2016) | (0.25 - 0.45)/(31 - 15) | -0.0125 |
| 0.396 (12/17/2020) | 0.45 (8/9/2016) | (0.396 - 0.45)/(32 - 15) | -0.00317647 |
| 0.611 (3/18/2021) | 0.45 (8/9/2016) | (0.611 - 0.45)/(33 - 15) | 0.00894444 |
| 0.892 (5/5/2021) | 0.45 (8/9/2016) | (0.892 - 0.45)/(34 - 15) | 0.0232632 |
| 0.802 (9/2/2021) | 0.45 (8/9/2016) | (0.802 - 0.45)/(35 - 15) | 0.0176 |
| 0.34 (11/23/2021) | 0.45 (8/9/2016) | (0.34 - 0.45)/(36 - 15) | -0.0052381 |
| 0.501 (1/10/2022) | 0.45 (8/9/2016) | (0.501 - 0.45)/(37 - 15) | 0.00231818 |
| 0.386 (4/7/2022) | 0.45 (8/9/2016) | (0.386 - 0.45)/(38 - 15) | -0.00278261 |

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|---|---|---|---|
| 0.352 (8/3/2022) | 0.45 (8/9/2016) | (0.352 - 0.45)/(39 - 15) | -0.00408333 |
| 0.434 (11/16/2022) | 0.45 (8/9/2016) | (0.434 - 0.45)/(40 - 15) | -0.00064 |
| 0.636 (2/13/2023) | 0.45 (8/9/2016) | (0.636 - 0.45)/(41 - 15) | 0.00715385 |
| 22.8 (5/24/2023) | 0.45 (8/9/2016) | (22.8 - 0.45)/(42 - 15) | 0.827778 |
| 0.676 (8/7/2023) | 0.45 (8/9/2016) | (0.676 - 0.45)/(43 - 15) | 0.00807143 |
| 0.634 (12/12/2023) | 0.45 (8/9/2016) | (0.634 - 0.45)/(44 - 15) | 0.00634483 |
| 0.816 (1/10/2024) | 0.45 (8/9/2016) | (0.816 - 0.45)/(45 - 15) | 0.0122 |
| 0.424 (5/20/2024) | 0.45 (8/9/2016) | (0.424 - 0.45)/(46 - 15) | -0.00083871 |
| 0.502 (9/16/2024) | 0.45 (8/9/2016) | (0.502 - 0.45)/(47 - 15) | 0.001625 |
| 0.559 (12/11/2024) | 0.45 (8/9/2016) | (0.559 - 0.45)/(48 - 15) | 0.00330303 |
| 0.519 (2/18/2025) | 0.45 (8/9/2016) | (0.519 - 0.45)/(49 - 15) | 0.00202941 |
| | | | |
| 0.45 (3/2/2017) | 0.53 (12/7/2016) | (0.45 - 0.53)/(17 - 16) | -0.08 |
| 0.51 (6/21/2017) | 0.53 (12/7/2016) | (0.51 - 0.53)/(18 - 16) | -0.01 |
| 0.72 (8/17/2017) | 0.53 (12/7/2016) | (0.72 - 0.53)/(19 - 16) | 0.0633333 |
| 0.27 (10/26/2017) | 0.53 (12/7/2016) | (0.27 - 0.53)/(20 - 16) | -0.065 |
| ND<0.25 U (3/27/2018) | 0.53 (12/7/2016) | (0.25 - 0.53)/(21 - 16) | -0.056 |
| 0.802 (6/26/2018) | 0.53 (12/7/2016) | (0.802 - 0.53)/(22 - 16) | 0.0453333 |
| 0.506 (8/1/2018) | 0.53 (12/7/2016) | (0.506 - 0.53)/(23 - 16) | -0.00342857 |
| 0.479 (12/11/2018) | 0.53 (12/7/2016) | (0.479 - 0.53)/(24 - 16) | -0.006375 |
| 0.288 (4/17/2019) | 0.53 (12/7/2016) | (0.288 - 0.53)/(25 - 16) | -0.0268889 |
| 0.52 (6/11/2019) | 0.53 (12/7/2016) | (0.52 - 0.53)/(26 - 16) | -0.001 |
| 0.748 (8/28/2019) | 0.53 (12/7/2016) | (0.748 - 0.53)/(27 - 16) | 0.0198182 |
| ND<0.25 U (10/28/2019) | 0.53 (12/7/2016) | (0.25 - 0.53)/(28 - 16) | -0.0233333 |
| 0.574 (3/31/2020) | 0.53 (12/7/2016) | (0.574 - 0.53)/(29 - 16) | 0.00338462 |
| 0.33 (6/10/2020) | 0.53 (12/7/2016) | (0.33 - 0.53)/(30 - 16) | -0.0142857 |
| ND<0.25 U (9/21/2020) | 0.53 (12/7/2016) | (0.25 - 0.53)/(31 - 16) | -0.0186667 |
| 0.396 (12/17/2020) | 0.53 (12/7/2016) | (0.396 - 0.53)/(32 - 16) | -0.008375 |
| 0.611 (3/18/2021) | 0.53 (12/7/2016) | (0.611 - 0.53)/(33 - 16) | 0.00476471 |
| 0.892 (5/5/2021) | 0.53 (12/7/2016) | (0.892 - 0.53)/(34 - 16) | 0.0201111 |
| 0.802 (9/2/2021) | 0.53 (12/7/2016) | (0.802 - 0.53)/(35 - 16) | 0.0143158 |
| 0.34 (11/23/2021) | 0.53 (12/7/2016) | (0.34 - 0.53)/(36 - 16) | -0.0095 |
| 0.501 (1/10/2022) | 0.53 (12/7/2016) | (0.501 - 0.53)/(37 - 16) | -0.00138095 |
| 0.386 (4/7/2022) | 0.53 (12/7/2016) | (0.386 - 0.53)/(38 - 16) | -0.00654545 |
| 0.352 (8/3/2022) | 0.53 (12/7/2016) | (0.352 - 0.53)/(39 - 16) | -0.00773913 |
| 0.434 (11/16/2022) | 0.53 (12/7/2016) | (0.434 - 0.53)/(40 - 16) | -0.004 |
| 0.636 (2/13/2023) | 0.53 (12/7/2016) | (0.636 - 0.53)/(41 - 16) | 0.00424 |
| 22.8 (5/24/2023) | 0.53 (12/7/2016) | (22.8 - 0.53)/(42 - 16) | 0.856538 |
| 0.676 (8/7/2023) | 0.53 (12/7/2016) | (0.676 - 0.53)/(43 - 16) | 0.00540741 |
| 0.634 (12/12/2023) | 0.53 (12/7/2016) | (0.634 - 0.53)/(44 - 16) | 0.00371429 |
| 0.816 (1/10/2024) | 0.53 (12/7/2016) | (0.816 - 0.53)/(45 - 16) | 0.00986207 |
| 0.424 (5/20/2024) | 0.53 (12/7/2016) | (0.424 - 0.53)/(46 - 16) | -0.00353333 |
| 0.502 (9/16/2024) | 0.53 (12/7/2016) | (0.502 - 0.53)/(47 - 16) | -0.000903226 |
| 0.559 (12/11/2024) | 0.53 (12/7/2016) | (0.559 - 0.53)/(48 - 16) | 0.00090625 |
| 0.519 (2/18/2025) | 0.53 (12/7/2016) | (0.519 - 0.53)/(49 - 16) | -0.000333333 |
| | | | |
| 0.51 (6/21/2017) | 0.45 (3/2/2017) | (0.51 - 0.45)/(18 - 17) | 0.06 |
| 0.72 (8/17/2017) | 0.45 (3/2/2017) | (0.72 - 0.45)/(19 - 17) | 0.135 |
| 0.27 (10/26/2017) | 0.45 (3/2/2017) | (0.27 - 0.45)/(20 - 17) | -0.06 |
| ND<0.25 U (3/27/2018) | 0.45 (3/2/2017) | (0.25 - 0.45)/(21 - 17) | -0.05 |
| 0.802 (6/26/2018) | 0.45 (3/2/2017) | (0.802 - 0.45)/(22 - 17) | 0.0704 |
| 0.506 (8/1/2018) | 0.45 (3/2/2017) | (0.506 - 0.45)/(23 - 17) | 0.00933333 |
| 0.479 (12/11/2018) | 0.45 (3/2/2017) | (0.479 - 0.45)/(24 - 17) | 0.00414286 |
| 0.288 (4/17/2019) | 0.45 (3/2/2017) | (0.288 - 0.45)/(25 - 17) | -0.02025 |
| 0.52 (6/11/2019) | 0.45 (3/2/2017) | (0.52 - 0.45)/(26 - 17) | 0.00777778 |
| 0.748 (8/28/2019) | 0.45 (3/2/2017) | (0.748 - 0.45)/(27 - 17) | 0.0298 |
| ND<0.25 U (10/28/2019) | 0.45 (3/2/2017) | (0.25 - 0.45)/(28 - 17) | -0.0181818 |

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|---|---|---|---|
| 0.574 (3/31/2020) | 0.45 (3/2/2017) | (0.574 - 0.45)/(29 - 17) | 0.0103333 |
| 0.33 (6/10/2020) | 0.45 (3/2/2017) | (0.33 - 0.45)/(30 - 17) | -0.00923077 |
| ND<0.25 U (9/21/2020) | 0.45 (3/2/2017) | (0.25 - 0.45)/(31 - 17) | -0.0142857 |
| 0.396 (12/17/2020) | 0.45 (3/2/2017) | (0.396 - 0.45)/(32 - 17) | -0.0036 |
| 0.611 (3/18/2021) | 0.45 (3/2/2017) | (0.611 - 0.45)/(33 - 17) | 0.0100625 |
| 0.892 (5/5/2021) | 0.45 (3/2/2017) | (0.892 - 0.45)/(34 - 17) | 0.026 |
| 0.802 (9/2/2021) | 0.45 (3/2/2017) | (0.802 - 0.45)/(35 - 17) | 0.0195556 |
| 0.34 (11/23/2021) | 0.45 (3/2/2017) | (0.34 - 0.45)/(36 - 17) | -0.00578947 |
| 0.501 (1/10/2022) | 0.45 (3/2/2017) | (0.501 - 0.45)/(37 - 17) | 0.00255 |
| 0.386 (4/7/2022) | 0.45 (3/2/2017) | (0.386 - 0.45)/(38 - 17) | -0.00304762 |
| 0.352 (8/3/2022) | 0.45 (3/2/2017) | (0.352 - 0.45)/(39 - 17) | -0.00445455 |
| 0.434 (11/16/2022) | 0.45 (3/2/2017) | (0.434 - 0.45)/(40 - 17) | -0.000695652 |
| 0.636 (2/13/2023) | 0.45 (3/2/2017) | (0.636 - 0.45)/(41 - 17) | 0.00775 |
| 22.8 (5/24/2023) | 0.45 (3/2/2017) | (22.8 - 0.45)/(42 - 17) | 0.894 |
| 0.676 (8/7/2023) | 0.45 (3/2/2017) | (0.676 - 0.45)/(43 - 17) | 0.00869231 |
| 0.634 (12/12/2023) | 0.45 (3/2/2017) | (0.634 - 0.45)/(44 - 17) | 0.00681481 |
| 0.816 (1/10/2024) | 0.45 (3/2/2017) | (0.816 - 0.45)/(45 - 17) | 0.0130714 |
| 0.424 (5/20/2024) | 0.45 (3/2/2017) | (0.424 - 0.45)/(46 - 17) | -0.000896552 |
| 0.502 (9/16/2024) | 0.45 (3/2/2017) | (0.502 - 0.45)/(47 - 17) | 0.00173333 |
| 0.559 (12/11/2024) | 0.45 (3/2/2017) | (0.559 - 0.45)/(48 - 17) | 0.00351613 |
| 0.519 (2/18/2025) | 0.45 (3/2/2017) | (0.519 - 0.45)/(49 - 17) | 0.00215625 |
| | | | |
| 0.72 (8/17/2017) | 0.51 (6/21/2017) | (0.72 - 0.51)/(19 - 18) | 0.21 |
| 0.27 (10/26/2017) | 0.51 (6/21/2017) | (0.27 - 0.51)/(20 - 18) | -0.12 |
| ND<0.25 U (3/27/2018) | 0.51 (6/21/2017) | (0.25 - 0.51)/(21 - 18) | -0.0866667 |
| 0.802 (6/26/2018) | 0.51 (6/21/2017) | (0.802 - 0.51)/(22 - 18) | 0.073 |
| 0.506 (8/1/2018) | 0.51 (6/21/2017) | (0.506 - 0.51)/(23 - 18) | -0.0008 |
| 0.479 (12/11/2018) | 0.51 (6/21/2017) | (0.479 - 0.51)/(24 - 18) | -0.00516667 |
| 0.288 (4/17/2019) | 0.51 (6/21/2017) | (0.288 - 0.51)/(25 - 18) | -0.0317143 |
| 0.52 (6/11/2019) | 0.51 (6/21/2017) | (0.52 - 0.51)/(26 - 18) | 0.00125 |
| 0.748 (8/28/2019) | 0.51 (6/21/2017) | (0.748 - 0.51)/(27 - 18) | 0.0264444 |
| ND<0.25 U (10/28/2019) | 0.51 (6/21/2017) | (0.25 - 0.51)/(28 - 18) | -0.026 |
| 0.574 (3/31/2020) | 0.51 (6/21/2017) | (0.574 - 0.51)/(29 - 18) | 0.00581818 |
| 0.33 (6/10/2020) | 0.51 (6/21/2017) | (0.33 - 0.51)/(30 - 18) | -0.015 |
| ND<0.25 U (9/21/2020) | 0.51 (6/21/2017) | (0.25 - 0.51)/(31 - 18) | -0.02 |
| 0.396 (12/17/2020) | 0.51 (6/21/2017) | (0.396 - 0.51)/(32 - 18) | -0.00814286 |
| 0.611 (3/18/2021) | 0.51 (6/21/2017) | (0.611 - 0.51)/(33 - 18) | 0.00673333 |
| 0.892 (5/5/2021) | 0.51 (6/21/2017) | (0.892 - 0.51)/(34 - 18) | 0.023875 |
| 0.802 (9/2/2021) | 0.51 (6/21/2017) | (0.802 - 0.51)/(35 - 18) | 0.0171765 |
| 0.34 (11/23/2021) | 0.51 (6/21/2017) | (0.34 - 0.51)/(36 - 18) | -0.00944444 |
| 0.501 (1/10/2022) | 0.51 (6/21/2017) | (0.501 - 0.51)/(37 - 18) | -0.000473684 |
| 0.386 (4/7/2022) | 0.51 (6/21/2017) | (0.386 - 0.51)/(38 - 18) | -0.0062 |
| 0.352 (8/3/2022) | 0.51 (6/21/2017) | (0.352 - 0.51)/(39 - 18) | -0.00752381 |
| 0.434 (11/16/2022) | 0.51 (6/21/2017) | (0.434 - 0.51)/(40 - 18) | -0.00345455 |
| 0.636 (2/13/2023) | 0.51 (6/21/2017) | (0.636 - 0.51)/(41 - 18) | 0.00547826 |
| 22.8 (5/24/2023) | 0.51 (6/21/2017) | (22.8 - 0.51)/(42 - 18) | 0.92875 |
| 0.676 (8/7/2023) | 0.51 (6/21/2017) | (0.676 - 0.51)/(43 - 18) | 0.00664 |
| 0.634 (12/12/2023) | 0.51 (6/21/2017) | (0.634 - 0.51)/(44 - 18) | 0.00476923 |
| 0.816 (1/10/2024) | 0.51 (6/21/2017) | (0.816 - 0.51)/(45 - 18) | 0.0113333 |
| 0.424 (5/20/2024) | 0.51 (6/21/2017) | (0.424 - 0.51)/(46 - 18) | -0.00307143 |
| 0.502 (9/16/2024) | 0.51 (6/21/2017) | (0.502 - 0.51)/(47 - 18) | -0.000275862 |
| 0.559 (12/11/2024) | 0.51 (6/21/2017) | (0.559 - 0.51)/(48 - 18) | 0.00163333 |
| 0.519 (2/18/2025) | 0.51 (6/21/2017) | (0.519 - 0.51)/(49 - 18) | 0.000290323 |
| | | | |
| 0.27 (10/26/2017) | 0.72 (8/17/2017) | (0.27 - 0.72)/(20 - 19) | -0.45 |
| ND<0.25 U (3/27/2018) | 0.72 (8/17/2017) | (0.25 - 0.72)/(21 - 19) | -0.235 |
| 0.802 (6/26/2018) | 0.72 (8/17/2017) | (0.802 - 0.72)/(22 - 19) | 0.0273333 |

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|---|---|---|---|
| 0.506 (8/1/2018) | 0.72 (8/17/2017) | (0.506 - 0.72)/(23 - 19) | -0.0535 |
| 0.479 (12/11/2018) | 0.72 (8/17/2017) | (0.479 - 0.72)/(24 - 19) | -0.0482 |
| 0.288 (4/17/2019) | 0.72 (8/17/2017) | (0.288 - 0.72)/(25 - 19) | -0.072 |
| 0.52 (6/11/2019) | 0.72 (8/17/2017) | (0.52 - 0.72)/(26 - 19) | -0.0285714 |
| 0.748 (8/28/2019) | 0.72 (8/17/2017) | (0.748 - 0.72)/(27 - 19) | 0.0035 |
| ND<0.25 U (10/28/2019) | 0.72 (8/17/2017) | (0.25 - 0.72)/(28 - 19) | -0.0522222 |
| 0.574 (3/31/2020) | 0.72 (8/17/2017) | (0.574 - 0.72)/(29 - 19) | -0.0146 |
| 0.33 (6/10/2020) | 0.72 (8/17/2017) | (0.33 - 0.72)/(30 - 19) | -0.0354545 |
| ND<0.25 U (9/21/2020) | 0.72 (8/17/2017) | (0.25 - 0.72)/(31 - 19) | -0.0391667 |
| 0.396 (12/17/2020) | 0.72 (8/17/2017) | (0.396 - 0.72)/(32 - 19) | -0.0249231 |
| 0.611 (3/18/2021) | 0.72 (8/17/2017) | (0.611 - 0.72)/(33 - 19) | -0.00778571 |
| 0.892 (5/5/2021) | 0.72 (8/17/2017) | (0.892 - 0.72)/(34 - 19) | 0.0114667 |
| 0.802 (9/2/2021) | 0.72 (8/17/2017) | (0.802 - 0.72)/(35 - 19) | 0.005125 |
| 0.34 (11/23/2021) | 0.72 (8/17/2017) | (0.34 - 0.72)/(36 - 19) | -0.0223529 |
| 0.501 (1/10/2022) | 0.72 (8/17/2017) | (0.501 - 0.72)/(37 - 19) | -0.0121667 |
| 0.386 (4/7/2022) | 0.72 (8/17/2017) | (0.386 - 0.72)/(38 - 19) | -0.0175789 |
| 0.352 (8/3/2022) | 0.72 (8/17/2017) | (0.352 - 0.72)/(39 - 19) | -0.0184 |
| 0.434 (11/16/2022) | 0.72 (8/17/2017) | (0.434 - 0.72)/(40 - 19) | -0.013619 |
| 0.636 (2/13/2023) | 0.72 (8/17/2017) | (0.636 - 0.72)/(41 - 19) | -0.00381818 |
| 22.8 (5/24/2023) | 0.72 (8/17/2017) | (22.8 - 0.72)/(42 - 19) | 0.96 |
| 0.676 (8/7/2023) | 0.72 (8/17/2017) | (0.676 - 0.72)/(43 - 19) | -0.00183333 |
| 0.634 (12/12/2023) | 0.72 (8/17/2017) | (0.634 - 0.72)/(44 - 19) | -0.00344 |
| 0.816 (1/10/2024) | 0.72 (8/17/2017) | (0.816 - 0.72)/(45 - 19) | 0.00369231 |
| 0.424 (5/20/2024) | 0.72 (8/17/2017) | (0.424 - 0.72)/(46 - 19) | -0.010963 |
| 0.502 (9/16/2024) | 0.72 (8/17/2017) | (0.502 - 0.72)/(47 - 19) | -0.00778571 |
| 0.559 (12/11/2024) | 0.72 (8/17/2017) | (0.559 - 0.72)/(48 - 19) | -0.00555172 |
| 0.519 (2/18/2025) | 0.72 (8/17/2017) | (0.519 - 0.72)/(49 - 19) | -0.0067 |

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|---|---|---|---|
| ND<0.25 U (3/27/2018) | 0.27 (10/26/2017) | (0.25 - 0.27)/(21 - 20) | -0.02 |
| 0.802 (6/26/2018) | 0.27 (10/26/2017) | (0.802 - 0.27)/(22 - 20) | 0.266 |
| 0.506 (8/1/2018) | 0.27 (10/26/2017) | (0.506 - 0.27)/(23 - 20) | 0.0786667 |
| 0.479 (12/11/2018) | 0.27 (10/26/2017) | (0.479 - 0.27)/(24 - 20) | 0.05225 |
| 0.288 (4/17/2019) | 0.27 (10/26/2017) | (0.288 - 0.27)/(25 - 20) | 0.0036 |
| 0.52 (6/11/2019) | 0.27 (10/26/2017) | (0.52 - 0.27)/(26 - 20) | 0.0416667 |
| 0.748 (8/28/2019) | 0.27 (10/26/2017) | (0.748 - 0.27)/(27 - 20) | 0.0682857 |
| ND<0.25 U (10/28/2019) | 0.27 (10/26/2017) | (0.25 - 0.27)/(28 - 20) | -0.0025 |
| 0.574 (3/31/2020) | 0.27 (10/26/2017) | (0.574 - 0.27)/(29 - 20) | 0.0337778 |
| 0.33 (6/10/2020) | 0.27 (10/26/2017) | (0.33 - 0.27)/(30 - 20) | 0.006 |
| ND<0.25 U (9/21/2020) | 0.27 (10/26/2017) | (0.25 - 0.27)/(31 - 20) | -0.00181818 |
| 0.396 (12/17/2020) | 0.27 (10/26/2017) | (0.396 - 0.27)/(32 - 20) | 0.0105 |
| 0.611 (3/18/2021) | 0.27 (10/26/2017) | (0.611 - 0.27)/(33 - 20) | 0.0262308 |
| 0.892 (5/5/2021) | 0.27 (10/26/2017) | (0.892 - 0.27)/(34 - 20) | 0.0444286 |
| 0.802 (9/2/2021) | 0.27 (10/26/2017) | (0.802 - 0.27)/(35 - 20) | 0.0354667 |
| 0.34 (11/23/2021) | 0.27 (10/26/2017) | (0.34 - 0.27)/(36 - 20) | 0.004375 |
| 0.501 (1/10/2022) | 0.27 (10/26/2017) | (0.501 - 0.27)/(37 - 20) | 0.0135882 |
| 0.386 (4/7/2022) | 0.27 (10/26/2017) | (0.386 - 0.27)/(38 - 20) | 0.00644444 |
| 0.352 (8/3/2022) | 0.27 (10/26/2017) | (0.352 - 0.27)/(39 - 20) | 0.00431579 |
| 0.434 (11/16/2022) | 0.27 (10/26/2017) | (0.434 - 0.27)/(40 - 20) | 0.0082 |
| 0.636 (2/13/2023) | 0.27 (10/26/2017) | (0.636 - 0.27)/(41 - 20) | 0.0174286 |
| 22.8 (5/24/2023) | 0.27 (10/26/2017) | (22.8 - 0.27)/(42 - 20) | 1.02409 |
| 0.676 (8/7/2023) | 0.27 (10/26/2017) | (0.676 - 0.27)/(43 - 20) | 0.0176522 |
| 0.634 (12/12/2023) | 0.27 (10/26/2017) | (0.634 - 0.27)/(44 - 20) | 0.0151667 |
| 0.816 (1/10/2024) | 0.27 (10/26/2017) | (0.816 - 0.27)/(45 - 20) | 0.02184 |
| 0.424 (5/20/2024) | 0.27 (10/26/2017) | (0.424 - 0.27)/(46 - 20) | 0.00592308 |
| 0.502 (9/16/2024) | 0.27 (10/26/2017) | (0.502 - 0.27)/(47 - 20) | 0.00859259 |
| 0.559 (12/11/2024) | 0.27 (10/26/2017) | (0.559 - 0.27)/(48 - 20) | 0.0103214 |
| 0.519 (2/18/2025) | 0.27 (10/26/2017) | (0.519 - 0.27)/(49 - 20) | 0.00858621 |

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|---|---|---|---|
| 0.802 (6/26/2018) | ND<0.25 U (3/27/2018) | (0.802 - 0.25)/(22 - 21) | 0.552 |
| 0.506 (8/1/2018) | ND<0.25 U (3/27/2018) | (0.506 - 0.25)/(23 - 21) | 0.128 |
| 0.479 (12/11/2018) | ND<0.25 U (3/27/2018) | (0.479 - 0.25)/(24 - 21) | 0.0763333 |
| 0.288 (4/17/2019) | ND<0.25 U (3/27/2018) | (0.288 - 0.25)/(25 - 21) | 0.0095 |
| 0.52 (6/11/2019) | ND<0.25 U (3/27/2018) | (0.52 - 0.25)/(26 - 21) | 0.054 |
| 0.748 (8/28/2019) | ND<0.25 U (3/27/2018) | (0.748 - 0.25)/(27 - 21) | 0.083 |
| ND<0.25 U (10/28/2019) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(28 - 21) | 0 |
| 0.574 (3/31/2020) | ND<0.25 U (3/27/2018) | (0.574 - 0.25)/(29 - 21) | 0.0405 |
| 0.33 (6/10/2020) | ND<0.25 U (3/27/2018) | (0.33 - 0.25)/(30 - 21) | 0.00888889 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(31 - 21) | 0 |
| 0.396 (12/17/2020) | ND<0.25 U (3/27/2018) | (0.396 - 0.25)/(32 - 21) | 0.0132727 |
| 0.611 (3/18/2021) | ND<0.25 U (3/27/2018) | (0.611 - 0.25)/(33 - 21) | 0.0300833 |
| 0.892 (5/5/2021) | ND<0.25 U (3/27/2018) | (0.892 - 0.25)/(34 - 21) | 0.0493846 |
| 0.802 (9/2/2021) | ND<0.25 U (3/27/2018) | (0.802 - 0.25)/(35 - 21) | 0.0394286 |
| 0.34 (11/23/2021) | ND<0.25 U (3/27/2018) | (0.34 - 0.25)/(36 - 21) | 0.006 |
| 0.501 (1/10/2022) | ND<0.25 U (3/27/2018) | (0.501 - 0.25)/(37 - 21) | 0.0156875 |
| 0.386 (4/7/2022) | ND<0.25 U (3/27/2018) | (0.386 - 0.25)/(38 - 21) | 0.008 |
| 0.352 (8/3/2022) | ND<0.25 U (3/27/2018) | (0.352 - 0.25)/(39 - 21) | 0.00566667 |
| 0.434 (11/16/2022) | ND<0.25 U (3/27/2018) | (0.434 - 0.25)/(40 - 21) | 0.00968421 |
| 0.636 (2/13/2023) | ND<0.25 U (3/27/2018) | (0.636 - 0.25)/(41 - 21) | 0.0193 |
| 22.8 (5/24/2023) | ND<0.25 U (3/27/2018) | (22.8 - 0.25)/(42 - 21) | 1.07381 |
| 0.676 (8/7/2023) | ND<0.25 U (3/27/2018) | (0.676 - 0.25)/(43 - 21) | 0.0193636 |
| 0.634 (12/12/2023) | ND<0.25 U (3/27/2018) | (0.634 - 0.25)/(44 - 21) | 0.0166957 |
| 0.816 (1/10/2024) | ND<0.25 U (3/27/2018) | (0.816 - 0.25)/(45 - 21) | 0.0235833 |
| 0.424 (5/20/2024) | ND<0.25 U (3/27/2018) | (0.424 - 0.25)/(46 - 21) | 0.00696 |
| 0.502 (9/16/2024) | ND<0.25 U (3/27/2018) | (0.502 - 0.25)/(47 - 21) | 0.00969231 |
| 0.559 (12/11/2024) | ND<0.25 U (3/27/2018) | (0.559 - 0.25)/(48 - 21) | 0.0114444 |
| 0.519 (2/18/2025) | ND<0.25 U (3/27/2018) | (0.519 - 0.25)/(49 - 21) | 0.00960714 |

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|---|---|---|---|
| 0.506 (8/1/2018) | 0.802 (6/26/2018) | (0.506 - 0.802)/(23 - 22) | -0.296 |
| 0.479 (12/11/2018) | 0.802 (6/26/2018) | (0.479 - 0.802)/(24 - 22) | -0.1615 |
| 0.288 (4/17/2019) | 0.802 (6/26/2018) | (0.288 - 0.802)/(25 - 22) | -0.171333 |
| 0.52 (6/11/2019) | 0.802 (6/26/2018) | (0.52 - 0.802)/(26 - 22) | -0.0705 |
| 0.748 (8/28/2019) | 0.802 (6/26/2018) | (0.748 - 0.802)/(27 - 22) | -0.0108 |
| ND<0.25 U (10/28/2019) | 0.802 (6/26/2018) | (0.25 - 0.802)/(28 - 22) | -0.092 |
| 0.574 (3/31/2020) | 0.802 (6/26/2018) | (0.574 - 0.802)/(29 - 22) | -0.0325714 |
| 0.33 (6/10/2020) | 0.802 (6/26/2018) | (0.33 - 0.802)/(30 - 22) | -0.059 |
| ND<0.25 U (9/21/2020) | 0.802 (6/26/2018) | (0.25 - 0.802)/(31 - 22) | -0.0613333 |
| 0.396 (12/17/2020) | 0.802 (6/26/2018) | (0.396 - 0.802)/(32 - 22) | -0.0406 |
| 0.611 (3/18/2021) | 0.802 (6/26/2018) | (0.611 - 0.802)/(33 - 22) | -0.0173636 |
| 0.892 (5/5/2021) | 0.802 (6/26/2018) | (0.892 - 0.802)/(34 - 22) | 0.0075 |
| 0.802 (9/2/2021) | 0.802 (6/26/2018) | (0.802 - 0.802)/(35 - 22) | 0 |
| 0.34 (11/23/2021) | 0.802 (6/26/2018) | (0.34 - 0.802)/(36 - 22) | -0.033 |
| 0.501 (1/10/2022) | 0.802 (6/26/2018) | (0.501 - 0.802)/(37 - 22) | -0.0200667 |
| 0.386 (4/7/2022) | 0.802 (6/26/2018) | (0.386 - 0.802)/(38 - 22) | -0.026 |
| 0.352 (8/3/2022) | 0.802 (6/26/2018) | (0.352 - 0.802)/(39 - 22) | -0.0264706 |
| 0.434 (11/16/2022) | 0.802 (6/26/2018) | (0.434 - 0.802)/(40 - 22) | -0.0204444 |
| 0.636 (2/13/2023) | 0.802 (6/26/2018) | (0.636 - 0.802)/(41 - 22) | -0.00873684 |
| 22.8 (5/24/2023) | 0.802 (6/26/2018) | (22.8 - 0.802)/(42 - 22) | 1.0999 |
| 0.676 (8/7/2023) | 0.802 (6/26/2018) | (0.676 - 0.802)/(43 - 22) | -0.006 |
| 0.634 (12/12/2023) | 0.802 (6/26/2018) | (0.634 - 0.802)/(44 - 22) | -0.00763636 |
| 0.816 (1/10/2024) | 0.802 (6/26/2018) | (0.816 - 0.802)/(45 - 22) | 0.000608696 |
| 0.424 (5/20/2024) | 0.802 (6/26/2018) | (0.424 - 0.802)/(46 - 22) | -0.01575 |
| 0.502 (9/16/2024) | 0.802 (6/26/2018) | (0.502 - 0.802)/(47 - 22) | -0.012 |
| 0.559 (12/11/2024) | 0.802 (6/26/2018) | (0.559 - 0.802)/(48 - 22) | -0.00934615 |
| 0.519 (2/18/2025) | 0.802 (6/26/2018) | (0.519 - 0.802)/(49 - 22) | -0.0104815 |

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|---|---|---|---|
| 0.479 (12/11/2018) | 0.506 (8/1/2018) | (0.479 - 0.506)/(24 - 23) | -0.027 |
| 0.288 (4/17/2019) | 0.506 (8/1/2018) | (0.288 - 0.506)/(25 - 23) | -0.109 |
| 0.52 (6/11/2019) | 0.506 (8/1/2018) | (0.52 - 0.506)/(26 - 23) | 0.00466667 |
| 0.748 (8/28/2019) | 0.506 (8/1/2018) | (0.748 - 0.506)/(27 - 23) | 0.0605 |
| ND<0.25 U (10/28/2019) | 0.506 (8/1/2018) | (0.25 - 0.506)/(28 - 23) | -0.0512 |
| 0.574 (3/31/2020) | 0.506 (8/1/2018) | (0.574 - 0.506)/(29 - 23) | 0.0113333 |
| 0.33 (6/10/2020) | 0.506 (8/1/2018) | (0.33 - 0.506)/(30 - 23) | -0.0251429 |
| ND<0.25 U (9/21/2020) | 0.506 (8/1/2018) | (0.25 - 0.506)/(31 - 23) | -0.032 |
| 0.396 (12/17/2020) | 0.506 (8/1/2018) | (0.396 - 0.506)/(32 - 23) | -0.0122222 |
| 0.611 (3/18/2021) | 0.506 (8/1/2018) | (0.611 - 0.506)/(33 - 23) | 0.0105 |
| 0.892 (5/5/2021) | 0.506 (8/1/2018) | (0.892 - 0.506)/(34 - 23) | 0.0350909 |
| 0.802 (9/2/2021) | 0.506 (8/1/2018) | (0.802 - 0.506)/(35 - 23) | 0.0246667 |
| 0.34 (11/23/2021) | 0.506 (8/1/2018) | (0.34 - 0.506)/(36 - 23) | -0.0127692 |
| 0.501 (1/10/2022) | 0.506 (8/1/2018) | (0.501 - 0.506)/(37 - 23) | -0.000357143 |
| 0.386 (4/7/2022) | 0.506 (8/1/2018) | (0.386 - 0.506)/(38 - 23) | -0.008 |
| 0.352 (8/3/2022) | 0.506 (8/1/2018) | (0.352 - 0.506)/(39 - 23) | -0.009625 |
| 0.434 (11/16/2022) | 0.506 (8/1/2018) | (0.434 - 0.506)/(40 - 23) | -0.00423529 |
| 0.636 (2/13/2023) | 0.506 (8/1/2018) | (0.636 - 0.506)/(41 - 23) | 0.00722222 |
| 22.8 (5/24/2023) | 0.506 (8/1/2018) | (22.8 - 0.506)/(42 - 23) | 1.17337 |
| 0.676 (8/7/2023) | 0.506 (8/1/2018) | (0.676 - 0.506)/(43 - 23) | 0.0085 |
| 0.634 (12/12/2023) | 0.506 (8/1/2018) | (0.634 - 0.506)/(44 - 23) | 0.00609524 |
| 0.816 (1/10/2024) | 0.506 (8/1/2018) | (0.816 - 0.506)/(45 - 23) | 0.0140909 |
| 0.424 (5/20/2024) | 0.506 (8/1/2018) | (0.424 - 0.506)/(46 - 23) | -0.00356522 |
| 0.502 (9/16/2024) | 0.506 (8/1/2018) | (0.502 - 0.506)/(47 - 23) | -0.000166667 |
| 0.559 (12/11/2024) | 0.506 (8/1/2018) | (0.559 - 0.506)/(48 - 23) | 0.00212 |
| 0.519 (2/18/2025) | 0.506 (8/1/2018) | (0.519 - 0.506)/(49 - 23) | 0.0005 |
| | | | |
| 0.288 (4/17/2019) | 0.479 (12/11/2018) | (0.288 - 0.479)/(25 - 24) | -0.191 |
| 0.52 (6/11/2019) | 0.479 (12/11/2018) | (0.52 - 0.479)/(26 - 24) | 0.0205 |
| 0.748 (8/28/2019) | 0.479 (12/11/2018) | (0.748 - 0.479)/(27 - 24) | 0.0896667 |
| ND<0.25 U (10/28/2019) | 0.479 (12/11/2018) | (0.25 - 0.479)/(28 - 24) | -0.05725 |
| 0.574 (3/31/2020) | 0.479 (12/11/2018) | (0.574 - 0.479)/(29 - 24) | 0.019 |
| 0.33 (6/10/2020) | 0.479 (12/11/2018) | (0.33 - 0.479)/(30 - 24) | -0.0248333 |
| ND<0.25 U (9/21/2020) | 0.479 (12/11/2018) | (0.25 - 0.479)/(31 - 24) | -0.0327143 |
| 0.396 (12/17/2020) | 0.479 (12/11/2018) | (0.396 - 0.479)/(32 - 24) | -0.010375 |
| 0.611 (3/18/2021) | 0.479 (12/11/2018) | (0.611 - 0.479)/(33 - 24) | 0.0146667 |
| 0.892 (5/5/2021) | 0.479 (12/11/2018) | (0.892 - 0.479)/(34 - 24) | 0.0413 |
| 0.802 (9/2/2021) | 0.479 (12/11/2018) | (0.802 - 0.479)/(35 - 24) | 0.0293636 |
| 0.34 (11/23/2021) | 0.479 (12/11/2018) | (0.34 - 0.479)/(36 - 24) | -0.0115833 |
| 0.501 (1/10/2022) | 0.479 (12/11/2018) | (0.501 - 0.479)/(37 - 24) | 0.00169231 |
| 0.386 (4/7/2022) | 0.479 (12/11/2018) | (0.386 - 0.479)/(38 - 24) | -0.00664286 |
| 0.352 (8/3/2022) | 0.479 (12/11/2018) | (0.352 - 0.479)/(39 - 24) | -0.00846667 |
| 0.434 (11/16/2022) | 0.479 (12/11/2018) | (0.434 - 0.479)/(40 - 24) | -0.0028125 |
| 0.636 (2/13/2023) | 0.479 (12/11/2018) | (0.636 - 0.479)/(41 - 24) | 0.00923529 |
| 22.8 (5/24/2023) | 0.479 (12/11/2018) | (22.8 - 0.479)/(42 - 24) | 1.24006 |
| 0.676 (8/7/2023) | 0.479 (12/11/2018) | (0.676 - 0.479)/(43 - 24) | 0.0103684 |
| 0.634 (12/12/2023) | 0.479 (12/11/2018) | (0.634 - 0.479)/(44 - 24) | 0.00775 |
| 0.816 (1/10/2024) | 0.479 (12/11/2018) | (0.816 - 0.479)/(45 - 24) | 0.0160476 |
| 0.424 (5/20/2024) | 0.479 (12/11/2018) | (0.424 - 0.479)/(46 - 24) | -0.0025 |
| 0.502 (9/16/2024) | 0.479 (12/11/2018) | (0.502 - 0.479)/(47 - 24) | 0.001 |
| 0.559 (12/11/2024) | 0.479 (12/11/2018) | (0.559 - 0.479)/(48 - 24) | 0.00333333 |
| 0.519 (2/18/2025) | 0.479 (12/11/2018) | (0.519 - 0.479)/(49 - 24) | 0.0016 |
| | | | |
| 0.52 (6/11/2019) | 0.288 (4/17/2019) | (0.52 - 0.288)/(26 - 25) | 0.232 |
| 0.748 (8/28/2019) | 0.288 (4/17/2019) | (0.748 - 0.288)/(27 - 25) | 0.23 |
| ND<0.25 U (10/28/2019) | 0.288 (4/17/2019) | (0.25 - 0.288)/(28 - 25) | -0.0126667 |

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|---|---|---|---|
| 0.574 (3/31/2020) | 0.288 (4/17/2019) | (0.574 - 0.288)/(29 - 25) | 0.0715 |
| 0.33 (6/10/2020) | 0.288 (4/17/2019) | (0.33 - 0.288)/(30 - 25) | 0.0084 |
| ND<0.25 U (9/21/2020) | 0.288 (4/17/2019) | (0.25 - 0.288)/(31 - 25) | -0.00633333 |
| 0.396 (12/17/2020) | 0.288 (4/17/2019) | (0.396 - 0.288)/(32 - 25) | 0.0154286 |
| 0.611 (3/18/2021) | 0.288 (4/17/2019) | (0.611 - 0.288)/(33 - 25) | 0.040375 |
| 0.892 (5/5/2021) | 0.288 (4/17/2019) | (0.892 - 0.288)/(34 - 25) | 0.0671111 |
| 0.802 (9/2/2021) | 0.288 (4/17/2019) | (0.802 - 0.288)/(35 - 25) | 0.0514 |
| 0.34 (11/23/2021) | 0.288 (4/17/2019) | (0.34 - 0.288)/(36 - 25) | 0.00472727 |
| 0.501 (1/10/2022) | 0.288 (4/17/2019) | (0.501 - 0.288)/(37 - 25) | 0.01775 |
| 0.386 (4/7/2022) | 0.288 (4/17/2019) | (0.386 - 0.288)/(38 - 25) | 0.00753846 |
| 0.352 (8/3/2022) | 0.288 (4/17/2019) | (0.352 - 0.288)/(39 - 25) | 0.00457143 |
| 0.434 (11/16/2022) | 0.288 (4/17/2019) | (0.434 - 0.288)/(40 - 25) | 0.00973333 |
| 0.636 (2/13/2023) | 0.288 (4/17/2019) | (0.636 - 0.288)/(41 - 25) | 0.02175 |
| 22.8 (5/24/2023) | 0.288 (4/17/2019) | (22.8 - 0.288)/(42 - 25) | 1.32424 |
| 0.676 (8/7/2023) | 0.288 (4/17/2019) | (0.676 - 0.288)/(43 - 25) | 0.0215556 |
| 0.634 (12/12/2023) | 0.288 (4/17/2019) | (0.634 - 0.288)/(44 - 25) | 0.0182105 |
| 0.816 (1/10/2024) | 0.288 (4/17/2019) | (0.816 - 0.288)/(45 - 25) | 0.0264 |
| 0.424 (5/20/2024) | 0.288 (4/17/2019) | (0.424 - 0.288)/(46 - 25) | 0.00647619 |
| 0.502 (9/16/2024) | 0.288 (4/17/2019) | (0.502 - 0.288)/(47 - 25) | 0.00972727 |
| 0.559 (12/11/2024) | 0.288 (4/17/2019) | (0.559 - 0.288)/(48 - 25) | 0.0117826 |
| 0.519 (2/18/2025) | 0.288 (4/17/2019) | (0.519 - 0.288)/(49 - 25) | 0.009625 |
| | | | |
| 0.748 (8/28/2019) | 0.52 (6/11/2019) | (0.748 - 0.52)/(27 - 26) | 0.228 |
| ND<0.25 U (10/28/2019) | 0.52 (6/11/2019) | (0.25 - 0.52)/(28 - 26) | -0.135 |
| 0.574 (3/31/2020) | 0.52 (6/11/2019) | (0.574 - 0.52)/(29 - 26) | 0.018 |
| 0.33 (6/10/2020) | 0.52 (6/11/2019) | (0.33 - 0.52)/(30 - 26) | -0.0475 |
| ND<0.25 U (9/21/2020) | 0.52 (6/11/2019) | (0.25 - 0.52)/(31 - 26) | -0.054 |
| 0.396 (12/17/2020) | 0.52 (6/11/2019) | (0.396 - 0.52)/(32 - 26) | -0.0206667 |
| 0.611 (3/18/2021) | 0.52 (6/11/2019) | (0.611 - 0.52)/(33 - 26) | 0.013 |
| 0.892 (5/5/2021) | 0.52 (6/11/2019) | (0.892 - 0.52)/(34 - 26) | 0.0465 |
| 0.802 (9/2/2021) | 0.52 (6/11/2019) | (0.802 - 0.52)/(35 - 26) | 0.0313333 |
| 0.34 (11/23/2021) | 0.52 (6/11/2019) | (0.34 - 0.52)/(36 - 26) | -0.018 |
| 0.501 (1/10/2022) | 0.52 (6/11/2019) | (0.501 - 0.52)/(37 - 26) | -0.00172727 |
| 0.386 (4/7/2022) | 0.52 (6/11/2019) | (0.386 - 0.52)/(38 - 26) | -0.0111667 |
| 0.352 (8/3/2022) | 0.52 (6/11/2019) | (0.352 - 0.52)/(39 - 26) | -0.0129231 |
| 0.434 (11/16/2022) | 0.52 (6/11/2019) | (0.434 - 0.52)/(40 - 26) | -0.00614286 |
| 0.636 (2/13/2023) | 0.52 (6/11/2019) | (0.636 - 0.52)/(41 - 26) | 0.00773333 |
| 22.8 (5/24/2023) | 0.52 (6/11/2019) | (22.8 - 0.52)/(42 - 26) | 1.3925 |
| 0.676 (8/7/2023) | 0.52 (6/11/2019) | (0.676 - 0.52)/(43 - 26) | 0.00917647 |
| 0.634 (12/12/2023) | 0.52 (6/11/2019) | (0.634 - 0.52)/(44 - 26) | 0.00633333 |
| 0.816 (1/10/2024) | 0.52 (6/11/2019) | (0.816 - 0.52)/(45 - 26) | 0.0155789 |
| 0.424 (5/20/2024) | 0.52 (6/11/2019) | (0.424 - 0.52)/(46 - 26) | -0.0048 |
| 0.502 (9/16/2024) | 0.52 (6/11/2019) | (0.502 - 0.52)/(47 - 26) | -0.000857143 |
| 0.559 (12/11/2024) | 0.52 (6/11/2019) | (0.559 - 0.52)/(48 - 26) | 0.00177273 |
| 0.519 (2/18/2025) | 0.52 (6/11/2019) | (0.519 - 0.52)/(49 - 26) | -4.34783e-05 |
| | | | |
| ND<0.25 U (10/28/2019) | 0.748 (8/28/2019) | (0.25 - 0.748)/(28 - 27) | -0.498 |
| 0.574 (3/31/2020) | 0.748 (8/28/2019) | (0.574 - 0.748)/(29 - 27) | -0.087 |
| 0.33 (6/10/2020) | 0.748 (8/28/2019) | (0.33 - 0.748)/(30 - 27) | -0.139333 |
| ND<0.25 U (9/21/2020) | 0.748 (8/28/2019) | (0.25 - 0.748)/(31 - 27) | -0.1245 |
| 0.396 (12/17/2020) | 0.748 (8/28/2019) | (0.396 - 0.748)/(32 - 27) | -0.0704 |
| 0.611 (3/18/2021) | 0.748 (8/28/2019) | (0.611 - 0.748)/(33 - 27) | -0.0228333 |
| 0.892 (5/5/2021) | 0.748 (8/28/2019) | (0.892 - 0.748)/(34 - 27) | 0.0205714 |
| 0.802 (9/2/2021) | 0.748 (8/28/2019) | (0.802 - 0.748)/(35 - 27) | 0.00675 |
| 0.34 (11/23/2021) | 0.748 (8/28/2019) | (0.34 - 0.748)/(36 - 27) | -0.0453333 |
| 0.501 (1/10/2022) | 0.748 (8/28/2019) | (0.501 - 0.748)/(37 - 27) | -0.0247 |
| 0.386 (4/7/2022) | 0.748 (8/28/2019) | (0.386 - 0.748)/(38 - 27) | -0.0329091 |

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|---|---|---|---|
| 0.352 (8/3/2022) | 0.748 (8/28/2019) | (0.352 - 0.748)/(39 - 27) | -0.033 |
| 0.434 (11/16/2022) | 0.748 (8/28/2019) | (0.434 - 0.748)/(40 - 27) | -0.0241538 |
| 0.636 (2/13/2023) | 0.748 (8/28/2019) | (0.636 - 0.748)/(41 - 27) | -0.008 |
| 22.8 (5/24/2023) | 0.748 (8/28/2019) | (22.8 - 0.748)/(42 - 27) | 1.47013 |
| 0.676 (8/7/2023) | 0.748 (8/28/2019) | (0.676 - 0.748)/(43 - 27) | -0.0045 |
| 0.634 (12/12/2023) | 0.748 (8/28/2019) | (0.634 - 0.748)/(44 - 27) | -0.00670588 |
| 0.816 (1/10/2024) | 0.748 (8/28/2019) | (0.816 - 0.748)/(45 - 27) | 0.00377778 |
| 0.424 (5/20/2024) | 0.748 (8/28/2019) | (0.424 - 0.748)/(46 - 27) | -0.0170526 |
| 0.502 (9/16/2024) | 0.748 (8/28/2019) | (0.502 - 0.748)/(47 - 27) | -0.0123 |
| 0.559 (12/11/2024) | 0.748 (8/28/2019) | (0.559 - 0.748)/(48 - 27) | -0.009 |
| 0.519 (2/18/2025) | 0.748 (8/28/2019) | (0.519 - 0.748)/(49 - 27) | -0.0104091 |
| | | | |
| 0.574 (3/31/2020) | ND<0.25 U (10/28/2019) | (0.574 - 0.25)/(29 - 28) | 0.324 |
| 0.33 (6/10/2020) | ND<0.25 U (10/28/2019) | (0.33 - 0.25)/(30 - 28) | 0.04 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (10/28/2019) | (0.25 - 0.25)/(31 - 28) | 0 |
| 0.396 (12/17/2020) | ND<0.25 U (10/28/2019) | (0.396 - 0.25)/(32 - 28) | 0.0365 |
| 0.611 (3/18/2021) | ND<0.25 U (10/28/2019) | (0.611 - 0.25)/(33 - 28) | 0.0722 |
| 0.892 (5/5/2021) | ND<0.25 U (10/28/2019) | (0.892 - 0.25)/(34 - 28) | 0.107 |
| 0.802 (9/2/2021) | ND<0.25 U (10/28/2019) | (0.802 - 0.25)/(35 - 28) | 0.0788571 |
| 0.34 (11/23/2021) | ND<0.25 U (10/28/2019) | (0.34 - 0.25)/(36 - 28) | 0.01125 |
| 0.501 (1/10/2022) | ND<0.25 U (10/28/2019) | (0.501 - 0.25)/(37 - 28) | 0.0278889 |
| 0.386 (4/7/2022) | ND<0.25 U (10/28/2019) | (0.386 - 0.25)/(38 - 28) | 0.0136 |
| 0.352 (8/3/2022) | ND<0.25 U (10/28/2019) | (0.352 - 0.25)/(39 - 28) | 0.00927273 |
| 0.434 (11/16/2022) | ND<0.25 U (10/28/2019) | (0.434 - 0.25)/(40 - 28) | 0.0153333 |
| 0.636 (2/13/2023) | ND<0.25 U (10/28/2019) | (0.636 - 0.25)/(41 - 28) | 0.0296923 |
| 22.8 (5/24/2023) | ND<0.25 U (10/28/2019) | (22.8 - 0.25)/(42 - 28) | 1.61071 |
| 0.676 (8/7/2023) | ND<0.25 U (10/28/2019) | (0.676 - 0.25)/(43 - 28) | 0.0284 |
| 0.634 (12/12/2023) | ND<0.25 U (10/28/2019) | (0.634 - 0.25)/(44 - 28) | 0.024 |
| 0.816 (1/10/2024) | ND<0.25 U (10/28/2019) | (0.816 - 0.25)/(45 - 28) | 0.0332941 |
| 0.424 (5/20/2024) | ND<0.25 U (10/28/2019) | (0.424 - 0.25)/(46 - 28) | 0.00966667 |
| 0.502 (9/16/2024) | ND<0.25 U (10/28/2019) | (0.502 - 0.25)/(47 - 28) | 0.0132632 |
| 0.559 (12/11/2024) | ND<0.25 U (10/28/2019) | (0.559 - 0.25)/(48 - 28) | 0.01545 |
| 0.519 (2/18/2025) | ND<0.25 U (10/28/2019) | (0.519 - 0.25)/(49 - 28) | 0.0128095 |
| | | | |
| 0.33 (6/10/2020) | 0.574 (3/31/2020) | (0.33 - 0.574)/(30 - 29) | -0.244 |
| ND<0.25 U (9/21/2020) | 0.574 (3/31/2020) | (0.25 - 0.574)/(31 - 29) | -0.162 |
| 0.396 (12/17/2020) | 0.574 (3/31/2020) | (0.396 - 0.574)/(32 - 29) | -0.0593333 |
| 0.611 (3/18/2021) | 0.574 (3/31/2020) | (0.611 - 0.574)/(33 - 29) | 0.00925 |
| 0.892 (5/5/2021) | 0.574 (3/31/2020) | (0.892 - 0.574)/(34 - 29) | 0.0636 |
| 0.802 (9/2/2021) | 0.574 (3/31/2020) | (0.802 - 0.574)/(35 - 29) | 0.038 |
| 0.34 (11/23/2021) | 0.574 (3/31/2020) | (0.34 - 0.574)/(36 - 29) | -0.0334286 |
| 0.501 (1/10/2022) | 0.574 (3/31/2020) | (0.501 - 0.574)/(37 - 29) | -0.009125 |
| 0.386 (4/7/2022) | 0.574 (3/31/2020) | (0.386 - 0.574)/(38 - 29) | -0.0208889 |
| 0.352 (8/3/2022) | 0.574 (3/31/2020) | (0.352 - 0.574)/(39 - 29) | -0.0222 |
| 0.434 (11/16/2022) | 0.574 (3/31/2020) | (0.434 - 0.574)/(40 - 29) | -0.0127273 |
| 0.636 (2/13/2023) | 0.574 (3/31/2020) | (0.636 - 0.574)/(41 - 29) | 0.00516667 |
| 22.8 (5/24/2023) | 0.574 (3/31/2020) | (22.8 - 0.574)/(42 - 29) | 1.70969 |
| 0.676 (8/7/2023) | 0.574 (3/31/2020) | (0.676 - 0.574)/(43 - 29) | 0.00728571 |
| 0.634 (12/12/2023) | 0.574 (3/31/2020) | (0.634 - 0.574)/(44 - 29) | 0.004 |
| 0.816 (1/10/2024) | 0.574 (3/31/2020) | (0.816 - 0.574)/(45 - 29) | 0.015125 |
| 0.424 (5/20/2024) | 0.574 (3/31/2020) | (0.424 - 0.574)/(46 - 29) | -0.00882353 |
| 0.502 (9/16/2024) | 0.574 (3/31/2020) | (0.502 - 0.574)/(47 - 29) | -0.004 |
| 0.559 (12/11/2024) | 0.574 (3/31/2020) | (0.559 - 0.574)/(48 - 29) | -0.000789474 |
| 0.519 (2/18/2025) | 0.574 (3/31/2020) | (0.519 - 0.574)/(49 - 29) | -0.00275 |
| | | | |
| ND<0.25 U (9/21/2020) | 0.33 (6/10/2020) | (0.25 - 0.33)/(31 - 30) | -0.08 |
| 0.396 (12/17/2020) | 0.33 (6/10/2020) | (0.396 - 0.33)/(32 - 30) | 0.033 |

| | | | |
|---|---|---|---|
| 0.611 (3/18/2021) | 0.33 (6/10/2020) | (0.611 - 0.33)/(33 - 30) | 0.0936667 |
| 0.892 (5/5/2021) | 0.33 (6/10/2020) | (0.892 - 0.33)/(34 - 30) | 0.1405 |
| 0.802 (9/2/2021) | 0.33 (6/10/2020) | (0.802 - 0.33)/(35 - 30) | 0.0944 |
| 0.34 (11/23/2021) | 0.33 (6/10/2020) | (0.34 - 0.33)/(36 - 30) | 0.00166667 |
| 0.501 (1/10/2022) | 0.33 (6/10/2020) | (0.501 - 0.33)/(37 - 30) | 0.0244286 |
| 0.386 (4/7/2022) | 0.33 (6/10/2020) | (0.386 - 0.33)/(38 - 30) | 0.007 |
| 0.352 (8/3/2022) | 0.33 (6/10/2020) | (0.352 - 0.33)/(39 - 30) | 0.00244444 |
| 0.434 (11/16/2022) | 0.33 (6/10/2020) | (0.434 - 0.33)/(40 - 30) | 0.0104 |
| 0.636 (2/13/2023) | 0.33 (6/10/2020) | (0.636 - 0.33)/(41 - 30) | 0.0278182 |
| 22.8 (5/24/2023) | 0.33 (6/10/2020) | (22.8 - 0.33)/(42 - 30) | 1.8725 |
| 0.676 (8/7/2023) | 0.33 (6/10/2020) | (0.676 - 0.33)/(43 - 30) | 0.0266154 |
| 0.634 (12/12/2023) | 0.33 (6/10/2020) | (0.634 - 0.33)/(44 - 30) | 0.0217143 |
| 0.816 (1/10/2024) | 0.33 (6/10/2020) | (0.816 - 0.33)/(45 - 30) | 0.0324 |
| 0.424 (5/20/2024) | 0.33 (6/10/2020) | (0.424 - 0.33)/(46 - 30) | 0.005875 |
| 0.502 (9/16/2024) | 0.33 (6/10/2020) | (0.502 - 0.33)/(47 - 30) | 0.0101176 |
| 0.559 (12/11/2024) | 0.33 (6/10/2020) | (0.559 - 0.33)/(48 - 30) | 0.0127222 |
| 0.519 (2/18/2025) | 0.33 (6/10/2020) | (0.519 - 0.33)/(49 - 30) | 0.00994737 |
| | | | |
| 0.396 (12/17/2020) | ND<0.25 U (9/21/2020) | (0.396 - 0.25)/(32 - 31) | 0.146 |
| 0.611 (3/18/2021) | ND<0.25 U (9/21/2020) | (0.611 - 0.25)/(33 - 31) | 0.1805 |
| 0.892 (5/5/2021) | ND<0.25 U (9/21/2020) | (0.892 - 0.25)/(34 - 31) | 0.214 |
| 0.802 (9/2/2021) | ND<0.25 U (9/21/2020) | (0.802 - 0.25)/(35 - 31) | 0.138 |
| 0.34 (11/23/2021) | ND<0.25 U (9/21/2020) | (0.34 - 0.25)/(36 - 31) | 0.018 |
| 0.501 (1/10/2022) | ND<0.25 U (9/21/2020) | (0.501 - 0.25)/(37 - 31) | 0.0418333 |
| 0.386 (4/7/2022) | ND<0.25 U (9/21/2020) | (0.386 - 0.25)/(38 - 31) | 0.0194286 |
| 0.352 (8/3/2022) | ND<0.25 U (9/21/2020) | (0.352 - 0.25)/(39 - 31) | 0.01275 |
| 0.434 (11/16/2022) | ND<0.25 U (9/21/2020) | (0.434 - 0.25)/(40 - 31) | 0.0204444 |
| 0.636 (2/13/2023) | ND<0.25 U (9/21/2020) | (0.636 - 0.25)/(41 - 31) | 0.0386 |
| 22.8 (5/24/2023) | ND<0.25 U (9/21/2020) | (22.8 - 0.25)/(42 - 31) | 2.05 |
| 0.676 (8/7/2023) | ND<0.25 U (9/21/2020) | (0.676 - 0.25)/(43 - 31) | 0.0355 |
| 0.634 (12/12/2023) | ND<0.25 U (9/21/2020) | (0.634 - 0.25)/(44 - 31) | 0.0295385 |
| 0.816 (1/10/2024) | ND<0.25 U (9/21/2020) | (0.816 - 0.25)/(45 - 31) | 0.0404286 |
| 0.424 (5/20/2024) | ND<0.25 U (9/21/2020) | (0.424 - 0.25)/(46 - 31) | 0.0116 |
| 0.502 (9/16/2024) | ND<0.25 U (9/21/2020) | (0.502 - 0.25)/(47 - 31) | 0.01575 |
| 0.559 (12/11/2024) | ND<0.25 U (9/21/2020) | (0.559 - 0.25)/(48 - 31) | 0.0181765 |
| 0.519 (2/18/2025) | ND<0.25 U (9/21/2020) | (0.519 - 0.25)/(49 - 31) | 0.0149444 |
| | | | |
| 0.611 (3/18/2021) | 0.396 (12/17/2020) | (0.611 - 0.396)/(33 - 32) | 0.215 |
| 0.892 (5/5/2021) | 0.396 (12/17/2020) | (0.892 - 0.396)/(34 - 32) | 0.248 |
| 0.802 (9/2/2021) | 0.396 (12/17/2020) | (0.802 - 0.396)/(35 - 32) | 0.135333 |
| 0.34 (11/23/2021) | 0.396 (12/17/2020) | (0.34 - 0.396)/(36 - 32) | -0.014 |
| 0.501 (1/10/2022) | 0.396 (12/17/2020) | (0.501 - 0.396)/(37 - 32) | 0.021 |
| 0.386 (4/7/2022) | 0.396 (12/17/2020) | (0.386 - 0.396)/(38 - 32) | -0.00166667 |
| 0.352 (8/3/2022) | 0.396 (12/17/2020) | (0.352 - 0.396)/(39 - 32) | -0.00628571 |
| 0.434 (11/16/2022) | 0.396 (12/17/2020) | (0.434 - 0.396)/(40 - 32) | 0.00475 |
| 0.636 (2/13/2023) | 0.396 (12/17/2020) | (0.636 - 0.396)/(41 - 32) | 0.0266667 |
| 22.8 (5/24/2023) | 0.396 (12/17/2020) | (22.8 - 0.396)/(42 - 32) | 2.2404 |
| 0.676 (8/7/2023) | 0.396 (12/17/2020) | (0.676 - 0.396)/(43 - 32) | 0.0254545 |
| 0.634 (12/12/2023) | 0.396 (12/17/2020) | (0.634 - 0.396)/(44 - 32) | 0.0198333 |
| 0.816 (1/10/2024) | 0.396 (12/17/2020) | (0.816 - 0.396)/(45 - 32) | 0.0323077 |
| 0.424 (5/20/2024) | 0.396 (12/17/2020) | (0.424 - 0.396)/(46 - 32) | 0.002 |
| 0.502 (9/16/2024) | 0.396 (12/17/2020) | (0.502 - 0.396)/(47 - 32) | 0.00706667 |
| 0.559 (12/11/2024) | 0.396 (12/17/2020) | (0.559 - 0.396)/(48 - 32) | 0.0101875 |
| 0.519 (2/18/2025) | 0.396 (12/17/2020) | (0.519 - 0.396)/(49 - 32) | 0.00723529 |
| | | | |
| 0.892 (5/5/2021) | 0.611 (3/18/2021) | (0.892 - 0.611)/(34 - 33) | 0.281 |
| 0.802 (9/2/2021) | 0.611 (3/18/2021) | (0.802 - 0.611)/(35 - 33) | 0.0955 |

| | | | |
|---|---|---|---|
| 0.34 (11/23/2021) | 0.611 (3/18/2021) | (0.34 - 0.611)/(36 - 33) | -0.0903333 |
| 0.501 (1/10/2022) | 0.611 (3/18/2021) | (0.501 - 0.611)/(37 - 33) | -0.0275 |
| 0.386 (4/7/2022) | 0.611 (3/18/2021) | (0.386 - 0.611)/(38 - 33) | -0.045 |
| 0.352 (8/3/2022) | 0.611 (3/18/2021) | (0.352 - 0.611)/(39 - 33) | -0.0431667 |
| 0.434 (11/16/2022) | 0.611 (3/18/2021) | (0.434 - 0.611)/(40 - 33) | -0.0252857 |
| 0.636 (2/13/2023) | 0.611 (3/18/2021) | (0.636 - 0.611)/(41 - 33) | 0.003125 |
| 22.8 (5/24/2023) | 0.611 (3/18/2021) | (22.8 - 0.611)/(42 - 33) | 2.46544 |
| 0.676 (8/7/2023) | 0.611 (3/18/2021) | (0.676 - 0.611)/(43 - 33) | 0.0065 |
| 0.634 (12/12/2023) | 0.611 (3/18/2021) | (0.634 - 0.611)/(44 - 33) | 0.00209091 |
| 0.816 (1/10/2024) | 0.611 (3/18/2021) | (0.816 - 0.611)/(45 - 33) | 0.0170833 |
| 0.424 (5/20/2024) | 0.611 (3/18/2021) | (0.424 - 0.611)/(46 - 33) | -0.0143846 |
| 0.502 (9/16/2024) | 0.611 (3/18/2021) | (0.502 - 0.611)/(47 - 33) | -0.00778571 |
| 0.559 (12/11/2024) | 0.611 (3/18/2021) | (0.559 - 0.611)/(48 - 33) | -0.00346667 |
| 0.519 (2/18/2025) | 0.611 (3/18/2021) | (0.519 - 0.611)/(49 - 33) | -0.00575 |
| | | | |
| 0.802 (9/2/2021) | 0.892 (5/5/2021) | (0.802 - 0.892)/(35 - 34) | -0.09 |
| 0.34 (11/23/2021) | 0.892 (5/5/2021) | (0.34 - 0.892)/(36 - 34) | -0.276 |
| 0.501 (1/10/2022) | 0.892 (5/5/2021) | (0.501 - 0.892)/(37 - 34) | -0.130333 |
| 0.386 (4/7/2022) | 0.892 (5/5/2021) | (0.386 - 0.892)/(38 - 34) | -0.1265 |
| 0.352 (8/3/2022) | 0.892 (5/5/2021) | (0.352 - 0.892)/(39 - 34) | -0.108 |
| 0.434 (11/16/2022) | 0.892 (5/5/2021) | (0.434 - 0.892)/(40 - 34) | -0.0763333 |
| 0.636 (2/13/2023) | 0.892 (5/5/2021) | (0.636 - 0.892)/(41 - 34) | -0.0365714 |
| 22.8 (5/24/2023) | 0.892 (5/5/2021) | (22.8 - 0.892)/(42 - 34) | 2.7385 |
| 0.676 (8/7/2023) | 0.892 (5/5/2021) | (0.676 - 0.892)/(43 - 34) | -0.024 |
| 0.634 (12/12/2023) | 0.892 (5/5/2021) | (0.634 - 0.892)/(44 - 34) | -0.0258 |
| 0.816 (1/10/2024) | 0.892 (5/5/2021) | (0.816 - 0.892)/(45 - 34) | -0.00690909 |
| 0.424 (5/20/2024) | 0.892 (5/5/2021) | (0.424 - 0.892)/(46 - 34) | -0.039 |
| 0.502 (9/16/2024) | 0.892 (5/5/2021) | (0.502 - 0.892)/(47 - 34) | -0.03 |
| 0.559 (12/11/2024) | 0.892 (5/5/2021) | (0.559 - 0.892)/(48 - 34) | -0.0237857 |
| 0.519 (2/18/2025) | 0.892 (5/5/2021) | (0.519 - 0.892)/(49 - 34) | -0.0248667 |
| | | | |
| 0.34 (11/23/2021) | 0.802 (9/2/2021) | (0.34 - 0.802)/(36 - 35) | -0.462 |
| 0.501 (1/10/2022) | 0.802 (9/2/2021) | (0.501 - 0.802)/(37 - 35) | -0.1505 |
| 0.386 (4/7/2022) | 0.802 (9/2/2021) | (0.386 - 0.802)/(38 - 35) | -0.138667 |
| 0.352 (8/3/2022) | 0.802 (9/2/2021) | (0.352 - 0.802)/(39 - 35) | -0.1125 |
| 0.434 (11/16/2022) | 0.802 (9/2/2021) | (0.434 - 0.802)/(40 - 35) | -0.0736 |
| 0.636 (2/13/2023) | 0.802 (9/2/2021) | (0.636 - 0.802)/(41 - 35) | -0.0276667 |
| 22.8 (5/24/2023) | 0.802 (9/2/2021) | (22.8 - 0.802)/(42 - 35) | 3.14257 |
| 0.676 (8/7/2023) | 0.802 (9/2/2021) | (0.676 - 0.802)/(43 - 35) | -0.01575 |
| 0.634 (12/12/2023) | 0.802 (9/2/2021) | (0.634 - 0.802)/(44 - 35) | -0.0186667 |
| 0.816 (1/10/2024) | 0.802 (9/2/2021) | (0.816 - 0.802)/(45 - 35) | 0.0014 |
| 0.424 (5/20/2024) | 0.802 (9/2/2021) | (0.424 - 0.802)/(46 - 35) | -0.0343636 |
| 0.502 (9/16/2024) | 0.802 (9/2/2021) | (0.502 - 0.802)/(47 - 35) | -0.025 |
| 0.559 (12/11/2024) | 0.802 (9/2/2021) | (0.559 - 0.802)/(48 - 35) | -0.0186923 |
| 0.519 (2/18/2025) | 0.802 (9/2/2021) | (0.519 - 0.802)/(49 - 35) | -0.0202143 |
| | | | |
| 0.501 (1/10/2022) | 0.34 (11/23/2021) | (0.501 - 0.34)/(37 - 36) | 0.161 |
| 0.386 (4/7/2022) | 0.34 (11/23/2021) | (0.386 - 0.34)/(38 - 36) | 0.023 |
| 0.352 (8/3/2022) | 0.34 (11/23/2021) | (0.352 - 0.34)/(39 - 36) | 0.004 |
| 0.434 (11/16/2022) | 0.34 (11/23/2021) | (0.434 - 0.34)/(40 - 36) | 0.0235 |
| 0.636 (2/13/2023) | 0.34 (11/23/2021) | (0.636 - 0.34)/(41 - 36) | 0.0592 |
| 22.8 (5/24/2023) | 0.34 (11/23/2021) | (22.8 - 0.34)/(42 - 36) | 3.74333 |
| 0.676 (8/7/2023) | 0.34 (11/23/2021) | (0.676 - 0.34)/(43 - 36) | 0.048 |
| 0.634 (12/12/2023) | 0.34 (11/23/2021) | (0.634 - 0.34)/(44 - 36) | 0.03675 |
| 0.816 (1/10/2024) | 0.34 (11/23/2021) | (0.816 - 0.34)/(45 - 36) | 0.0528889 |
| 0.424 (5/20/2024) | 0.34 (11/23/2021) | (0.424 - 0.34)/(46 - 36) | 0.0084 |
| 0.502 (9/16/2024) | 0.34 (11/23/2021) | (0.502 - 0.34)/(47 - 36) | 0.0147273 |

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|---|---|---|---|
| 0.559 (12/11/2024) | 0.34 (11/23/2021) | (0.559 - 0.34)/(48 - 36) | 0.01825 |
| 0.519 (2/18/2025) | 0.34 (11/23/2021) | (0.519 - 0.34)/(49 - 36) | 0.0137692 |
| | | | |
| 0.386 (4/7/2022) | 0.501 (1/10/2022) | (0.386 - 0.501)/(38 - 37) | -0.115 |
| 0.352 (8/3/2022) | 0.501 (1/10/2022) | (0.352 - 0.501)/(39 - 37) | -0.0745 |
| 0.434 (11/16/2022) | 0.501 (1/10/2022) | (0.434 - 0.501)/(40 - 37) | -0.0223333 |
| 0.636 (2/13/2023) | 0.501 (1/10/2022) | (0.636 - 0.501)/(41 - 37) | 0.03375 |
| 22.8 (5/24/2023) | 0.501 (1/10/2022) | (22.8 - 0.501)/(42 - 37) | 4.4598 |
| 0.676 (8/7/2023) | 0.501 (1/10/2022) | (0.676 - 0.501)/(43 - 37) | 0.0291667 |
| 0.634 (12/12/2023) | 0.501 (1/10/2022) | (0.634 - 0.501)/(44 - 37) | 0.019 |
| 0.816 (1/10/2024) | 0.501 (1/10/2022) | (0.816 - 0.501)/(45 - 37) | 0.039375 |
| 0.424 (5/20/2024) | 0.501 (1/10/2022) | (0.424 - 0.501)/(46 - 37) | -0.00855556 |
| 0.502 (9/16/2024) | 0.501 (1/10/2022) | (0.502 - 0.501)/(47 - 37) | 0.0001 |
| 0.559 (12/11/2024) | 0.501 (1/10/2022) | (0.559 - 0.501)/(48 - 37) | 0.00527273 |
| 0.519 (2/18/2025) | 0.501 (1/10/2022) | (0.519 - 0.501)/(49 - 37) | 0.0015 |
| | | | |
| 0.352 (8/3/2022) | 0.386 (4/7/2022) | (0.352 - 0.386)/(39 - 38) | -0.034 |
| 0.434 (11/16/2022) | 0.386 (4/7/2022) | (0.434 - 0.386)/(40 - 38) | 0.024 |
| 0.636 (2/13/2023) | 0.386 (4/7/2022) | (0.636 - 0.386)/(41 - 38) | 0.0833333 |
| 22.8 (5/24/2023) | 0.386 (4/7/2022) | (22.8 - 0.386)/(42 - 38) | 5.6035 |
| 0.676 (8/7/2023) | 0.386 (4/7/2022) | (0.676 - 0.386)/(43 - 38) | 0.058 |
| 0.634 (12/12/2023) | 0.386 (4/7/2022) | (0.634 - 0.386)/(44 - 38) | 0.0413333 |
| 0.816 (1/10/2024) | 0.386 (4/7/2022) | (0.816 - 0.386)/(45 - 38) | 0.0614286 |
| 0.424 (5/20/2024) | 0.386 (4/7/2022) | (0.424 - 0.386)/(46 - 38) | 0.00475 |
| 0.502 (9/16/2024) | 0.386 (4/7/2022) | (0.502 - 0.386)/(47 - 38) | 0.0128889 |
| 0.559 (12/11/2024) | 0.386 (4/7/2022) | (0.559 - 0.386)/(48 - 38) | 0.0173 |
| 0.519 (2/18/2025) | 0.386 (4/7/2022) | (0.519 - 0.386)/(49 - 38) | 0.0120909 |
| | | | |
| 0.434 (11/16/2022) | 0.352 (8/3/2022) | (0.434 - 0.352)/(40 - 39) | 0.082 |
| 0.636 (2/13/2023) | 0.352 (8/3/2022) | (0.636 - 0.352)/(41 - 39) | 0.142 |
| 22.8 (5/24/2023) | 0.352 (8/3/2022) | (22.8 - 0.352)/(42 - 39) | 7.48267 |
| 0.676 (8/7/2023) | 0.352 (8/3/2022) | (0.676 - 0.352)/(43 - 39) | 0.081 |
| 0.634 (12/12/2023) | 0.352 (8/3/2022) | (0.634 - 0.352)/(44 - 39) | 0.0564 |
| 0.816 (1/10/2024) | 0.352 (8/3/2022) | (0.816 - 0.352)/(45 - 39) | 0.0773333 |
| 0.424 (5/20/2024) | 0.352 (8/3/2022) | (0.424 - 0.352)/(46 - 39) | 0.0102857 |
| 0.502 (9/16/2024) | 0.352 (8/3/2022) | (0.502 - 0.352)/(47 - 39) | 0.01875 |
| 0.559 (12/11/2024) | 0.352 (8/3/2022) | (0.559 - 0.352)/(48 - 39) | 0.023 |
| 0.519 (2/18/2025) | 0.352 (8/3/2022) | (0.519 - 0.352)/(49 - 39) | 0.0167 |
| | | | |
| 0.636 (2/13/2023) | 0.434 (11/16/2022) | (0.636 - 0.434)/(41 - 40) | 0.202 |
| 22.8 (5/24/2023) | 0.434 (11/16/2022) | (22.8 - 0.434)/(42 - 40) | 11.183 |
| 0.676 (8/7/2023) | 0.434 (11/16/2022) | (0.676 - 0.434)/(43 - 40) | 0.0806667 |
| 0.634 (12/12/2023) | 0.434 (11/16/2022) | (0.634 - 0.434)/(44 - 40) | 0.05 |
| 0.816 (1/10/2024) | 0.434 (11/16/2022) | (0.816 - 0.434)/(45 - 40) | 0.0764 |
| 0.424 (5/20/2024) | 0.434 (11/16/2022) | (0.424 - 0.434)/(46 - 40) | -0.00166667 |
| 0.502 (9/16/2024) | 0.434 (11/16/2022) | (0.502 - 0.434)/(47 - 40) | 0.00971429 |
| 0.559 (12/11/2024) | 0.434 (11/16/2022) | (0.559 - 0.434)/(48 - 40) | 0.015625 |
| 0.519 (2/18/2025) | 0.434 (11/16/2022) | (0.519 - 0.434)/(49 - 40) | 0.00944444 |
| | | | |
| 22.8 (5/24/2023) | 0.636 (2/13/2023) | (22.8 - 0.636)/(42 - 41) | 22.164 |
| 0.676 (8/7/2023) | 0.636 (2/13/2023) | (0.676 - 0.636)/(43 - 41) | 0.02 |
| 0.634 (12/12/2023) | 0.636 (2/13/2023) | (0.634 - 0.636)/(44 - 41) | -0.000666667 |
| 0.816 (1/10/2024) | 0.636 (2/13/2023) | (0.816 - 0.636)/(45 - 41) | 0.045 |
| 0.424 (5/20/2024) | 0.636 (2/13/2023) | (0.424 - 0.636)/(46 - 41) | -0.0424 |
| 0.502 (9/16/2024) | 0.636 (2/13/2023) | (0.502 - 0.636)/(47 - 41) | -0.0223333 |
| 0.559 (12/11/2024) | 0.636 (2/13/2023) | (0.559 - 0.636)/(48 - 41) | -0.011 |
| 0.519 (2/18/2025) | 0.636 (2/13/2023) | (0.519 - 0.636)/(49 - 41) | -0.014625 |

| | | | |
|---|---|---|---|
| 0.676 (8/7/2023) | 22.8 (5/24/2023) | (0.676 - 22.8)/(43 - 42) | -22.124 |
| 0.634 (12/12/2023) | 22.8 (5/24/2023) | (0.634 - 22.8)/(44 - 42) | -11.083 |
| 0.816 (1/10/2024) | 22.8 (5/24/2023) | (0.816 - 22.8)/(45 - 42) | -7.328 |
| 0.424 (5/20/2024) | 22.8 (5/24/2023) | (0.424 - 22.8)/(46 - 42) | -5.594 |
| 0.502 (9/16/2024) | 22.8 (5/24/2023) | (0.502 - 22.8)/(47 - 42) | -4.4596 |
| 0.559 (12/11/2024) | 22.8 (5/24/2023) | (0.559 - 22.8)/(48 - 42) | -3.70683 |
| 0.519 (2/18/2025) | 22.8 (5/24/2023) | (0.519 - 22.8)/(49 - 42) | -3.183 |
| | | | |
| 0.634 (12/12/2023) | 0.676 (8/7/2023) | (0.634 - 0.676)/(44 - 43) | -0.042 |
| 0.816 (1/10/2024) | 0.676 (8/7/2023) | (0.816 - 0.676)/(45 - 43) | 0.07 |
| 0.424 (5/20/2024) | 0.676 (8/7/2023) | (0.424 - 0.676)/(46 - 43) | -0.084 |
| 0.502 (9/16/2024) | 0.676 (8/7/2023) | (0.502 - 0.676)/(47 - 43) | -0.0435 |
| 0.559 (12/11/2024) | 0.676 (8/7/2023) | (0.559 - 0.676)/(48 - 43) | -0.0234 |
| 0.519 (2/18/2025) | 0.676 (8/7/2023) | (0.519 - 0.676)/(49 - 43) | -0.0261667 |
| | | | |
| 0.816 (1/10/2024) | 0.634 (12/12/2023) | (0.816 - 0.634)/(45 - 44) | 0.182 |
| 0.424 (5/20/2024) | 0.634 (12/12/2023) | (0.424 - 0.634)/(46 - 44) | -0.105 |
| 0.502 (9/16/2024) | 0.634 (12/12/2023) | (0.502 - 0.634)/(47 - 44) | -0.044 |
| 0.559 (12/11/2024) | 0.634 (12/12/2023) | (0.559 - 0.634)/(48 - 44) | -0.01875 |
| 0.519 (2/18/2025) | 0.634 (12/12/2023) | (0.519 - 0.634)/(49 - 44) | -0.023 |
| | | | |
| 0.424 (5/20/2024) | 0.816 (1/10/2024) | (0.424 - 0.816)/(46 - 45) | -0.392 |
| 0.502 (9/16/2024) | 0.816 (1/10/2024) | (0.502 - 0.816)/(47 - 45) | -0.157 |
| 0.559 (12/11/2024) | 0.816 (1/10/2024) | (0.559 - 0.816)/(48 - 45) | -0.0856667 |
| 0.519 (2/18/2025) | 0.816 (1/10/2024) | (0.519 - 0.816)/(49 - 45) | -0.07425 |
| | | | |
| 0.502 (9/16/2024) | 0.424 (5/20/2024) | (0.502 - 0.424)/(47 - 46) | 0.078 |
| 0.559 (12/11/2024) | 0.424 (5/20/2024) | (0.559 - 0.424)/(48 - 46) | 0.0675 |
| 0.519 (2/18/2025) | 0.424 (5/20/2024) | (0.519 - 0.424)/(49 - 46) | 0.0316667 |
| | | | |
| 0.559 (12/11/2024) | 0.502 (9/16/2024) | (0.559 - 0.502)/(48 - 47) | 0.057 |
| 0.519 (2/18/2025) | 0.502 (9/16/2024) | (0.519 - 0.502)/(49 - 47) | 0.0085 |
| | | | |
| 0.519 (2/18/2025) | 0.559 (12/11/2024) | (0.519 - 0.559)/(49 - 48) | -0.04 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -22.124 |
| 2 | -11.083 |
| 3 | -7.328 |
| 4 | -5.594 |
| 5 | -4.4596 |
| 6 | -3.70683 |
| 7 | -3.183 |
| 8 | -0.56 |
| 9 | -0.498 |
| 10 | -0.462 |
| 11 | -0.45 |
| 12 | -0.392 |
| 13 | -0.32 |
| 14 | -0.296 |
| 15 | -0.28 |
| 16 | -0.276 |

| | |
|---|---|
| 17 | -0.244 |
| 18 | -0.235 |
| 19 | -0.2 |
| 20 | -0.2 |
| 21 | -0.191 |
| 22 | -0.171333 |
| 23 | -0.162 |
| 24 | -0.1615 |
| 25 | -0.16 |
| 26 | -0.157 |
| 27 | -0.1505 |
| 28 | -0.139333 |
| 29 | -0.138667 |
| 30 | -0.135 |
| 31 | -0.130333 |
| 32 | -0.1265 |
| 33 | -0.1245 |
| 34 | -0.12 |
| 35 | -0.12 |
| 36 | -0.115 |
| 37 | -0.1125 |
| 38 | -0.11 |
| 39 | -0.109 |
| 40 | -0.108 |
| 41 | -0.105 |
| 42 | -0.1 |
| 43 | -0.095 |
| 44 | -0.092 |
| 45 | -0.092 |
| 46 | -0.0903333 |
| 47 | -0.09 |
| 48 | -0.09 |
| 49 | -0.087 |
| 50 | -0.0866667 |
| 51 | -0.0856667 |
| 52 | -0.084 |
| 53 | -0.08 |
| 54 | -0.08 |
| 55 | -0.08 |
| 56 | -0.08 |
| 57 | -0.0763333 |
| 58 | -0.0745 |
| 59 | -0.07425 |
| 60 | -0.0736 |
| 61 | -0.072 |
| 62 | -0.0705 |
| 63 | -0.0704 |
| 64 | -0.07 |
| 65 | -0.065 |
| 66 | -0.062 |
| 67 | -0.0613333 |
| 68 | -0.06 |
| 69 | -0.06 |
| 70 | -0.06 |
| 71 | -0.06 |
| 72 | -0.06 |
| 73 | -0.0593333 |

| | |
|---|---|
| 74 | -0.059 |
| 75 | -0.0583333 |
| 76 | -0.05725 |
| 77 | -0.056 |
| 78 | -0.0555556 |
| 79 | -0.0555556 |
| 80 | -0.055 |
| 81 | -0.054 |
| 82 | -0.0535 |
| 83 | -0.0522222 |
| 84 | -0.0512 |
| 85 | -0.05 |
| 86 | -0.05 |
| 87 | -0.05 |
| 88 | -0.05 |
| 89 | -0.0490909 |
| 90 | -0.0483333 |
| 91 | -0.0482 |
| 92 | -0.0475 |
| 93 | -0.0475 |
| 94 | -0.0466667 |
| 95 | -0.0466667 |
| 96 | -0.0457143 |
| 97 | -0.0453333 |
| 98 | -0.045 |
| 99 | -0.045 |
| 100 | -0.044 |
| 101 | -0.0435 |
| 102 | -0.0431667 |
| 103 | -0.0424 |
| 104 | -0.042 |
| 105 | -0.0414286 |
| 106 | -0.0406 |
| 107 | -0.04 |
| 108 | -0.04 |
| 109 | -0.04 |
| 110 | -0.04 |
| 111 | -0.04 |
| 112 | -0.0391667 |
| 113 | -0.039 |
| 114 | -0.038 |
| 115 | -0.0375 |
| 116 | -0.0375 |
| 117 | -0.0365714 |
| 118 | -0.036 |
| 119 | -0.036 |
| 120 | -0.0355385 |
| 121 | -0.0354545 |
| 122 | -0.0343636 |
| 123 | -0.034 |
| 124 | -0.0334286 |
| 125 | -0.0333333 |
| 126 | -0.0333333 |
| 127 | -0.0333333 |
| 128 | -0.033 |
| 129 | -0.033 |
| 130 | -0.0329091 |

| | |
|---|---|
| 131 | -0.0327143 |
| 132 | -0.032625 |
| 133 | -0.0325714 |
| 134 | -0.032 |
| 135 | -0.0317143 |
| 136 | -0.03125 |
| 137 | -0.0307692 |
| 138 | -0.03 |
| 139 | -0.03 |
| 140 | -0.03 |
| 141 | -0.0294737 |
| 142 | -0.0285714 |
| 143 | -0.0276667 |
| 144 | -0.0275 |
| 145 | -0.0275 |
| 146 | -0.0275 |
| 147 | -0.027 |
| 148 | -0.0268889 |
| 149 | -0.0266667 |
| 150 | -0.0264706 |
| 151 | -0.0263158 |
| 152 | -0.0261667 |
| 153 | -0.026 |
| 154 | -0.026 |
| 155 | -0.0258 |
| 156 | -0.0257143 |
| 157 | -0.0254545 |
| 158 | -0.0252857 |
| 159 | -0.0252632 |
| 160 | -0.0251429 |
| 161 | -0.025 |
| 162 | -0.025 |
| 163 | -0.0249231 |
| 164 | -0.0248667 |
| 165 | -0.0248333 |
| 166 | -0.0247 |
| 167 | -0.0241538 |
| 168 | -0.024 |
| 169 | -0.0237857 |
| 170 | -0.0234 |
| 171 | -0.0233333 |
| 172 | -0.0233333 |
| 173 | -0.023 |
| 174 | -0.0228571 |
| 175 | -0.0228571 |
| 176 | -0.0228333 |
| 177 | -0.0225833 |
| 178 | -0.0225 |
| 179 | -0.0225 |
| 180 | -0.0223529 |
| 181 | -0.0223333 |
| 182 | -0.0223333 |
| 183 | -0.0222 |
| 184 | -0.0221818 |
| 185 | -0.0220667 |
| 186 | -0.0217143 |
| 187 | -0.0214286 |

| | |
|---|---|
| 188 | -0.0208889 |
| 189 | -0.0206667 |
| 190 | -0.0204444 |
| 191 | -0.02025 |
| 192 | -0.0202143 |
| 193 | -0.0200667 |
| 194 | -0.02 |
| 195 | -0.02 |
| 196 | -0.02 |
| 197 | -0.02 |
| 198 | -0.01925 |
| 199 | -0.019 |
| 200 | -0.01875 |
| 201 | -0.01875 |
| 202 | -0.0186923 |
| 203 | -0.0186667 |
| 204 | -0.0186667 |
| 205 | -0.0185185 |
| 206 | -0.0184 |
| 207 | -0.0181818 |
| 208 | -0.018 |
| 209 | -0.018 |
| 210 | -0.0177 |
| 211 | -0.0175789 |
| 212 | -0.0174074 |
| 213 | -0.0173636 |
| 214 | -0.0170833 |
| 215 | -0.0170588 |
| 216 | -0.0170588 |
| 217 | -0.0170526 |
| 218 | -0.016875 |
| 219 | -0.0166667 |
| 220 | -0.0166667 |
| 221 | -0.0164286 |
| 222 | -0.0162 |
| 223 | -0.0157895 |
| 224 | -0.01575 |
| 225 | -0.01575 |
| 226 | -0.0155556 |
| 227 | -0.0153846 |
| 228 | -0.0152667 |
| 229 | -0.015 |
| 230 | -0.015 |
| 231 | -0.0147407 |
| 232 | -0.0146667 |
| 233 | -0.014625 |
| 234 | -0.0146207 |
| 235 | -0.0146 |
| 236 | -0.0144828 |
| 237 | -0.0143846 |
| 238 | -0.0142857 |
| 239 | -0.0142857 |
| 240 | -0.0142857 |
| 241 | -0.0141176 |
| 242 | -0.014 |
| 243 | -0.014 |
| 244 | -0.0138462 |

| | |
|---|---|
| 245 | -0.013619 |
| 246 | -0.0133333 |
| 247 | -0.0133333 |
| 248 | -0.0133333 |
| 249 | -0.0129231 |
| 250 | -0.0127692 |
| 251 | -0.0127273 |
| 252 | -0.0126667 |
| 253 | -0.0126667 |
| 254 | -0.0125 |
| 255 | -0.0123 |
| 256 | -0.0122222 |
| 257 | -0.0122222 |
| 258 | -0.0121667 |
| 259 | -0.0121429 |
| 260 | -0.012129 |
| 261 | -0.0120833 |
| 262 | -0.012 |
| 263 | -0.012 |
| 264 | -0.012 |
| 265 | -0.0118333 |
| 266 | -0.0118 |
| 267 | -0.0117826 |
| 268 | -0.0117143 |
| 269 | -0.0115833 |
| 270 | -0.0115385 |
| 271 | -0.0114194 |
| 272 | -0.0113913 |
| 273 | -0.0112857 |
| 274 | -0.01125 |
| 275 | -0.01125 |
| 276 | -0.0111667 |
| 277 | -0.0110909 |
| 278 | -0.0110357 |
| 279 | -0.011 |
| 280 | -0.010963 |
| 281 | -0.0109091 |
| 282 | -0.0108 |
| 283 | -0.0107407 |
| 284 | -0.0107143 |
| 285 | -0.0106667 |
| 286 | -0.0104815 |
| 287 | -0.0104737 |
| 288 | -0.0104324 |
| 289 | -0.0104091 |
| 290 | -0.010375 |
| 291 | -0.0103529 |
| 292 | -0.0103448 |
| 293 | -0.01 |
| 294 | -0.01 |
| 295 | -0.01 |
| 296 | -0.01 |
| 297 | -0.00996 |
| 298 | -0.00983784 |
| 299 | -0.009625 |
| 300 | -0.00958824 |
| 301 | -0.0095 |

| | |
|---|---|
| 302 | -0.00944444 |
| 303 | -0.00941176 |
| 304 | -0.00934615 |
| 305 | -0.00923077 |
| 306 | -0.0092 |
| 307 | -0.009125 |
| 308 | -0.009 |
| 309 | -0.009 |
| 310 | -0.009 |
| 311 | -0.00888889 |
| 312 | -0.00882353 |
| 313 | -0.00873684 |
| 314 | -0.00863636 |
| 315 | -0.00855556 |
| 316 | -0.00846667 |
| 317 | -0.008375 |
| 318 | -0.00835294 |
| 319 | -0.00829167 |
| 320 | -0.00818182 |
| 321 | -0.00814286 |
| 322 | -0.00810526 |
| 323 | -0.00810256 |
| 324 | -0.00807692 |
| 325 | -0.008 |
| 326 | -0.008 |
| 327 | -0.008 |
| 328 | -0.008 |
| 329 | -0.00785714 |
| 330 | -0.00782609 |
| 331 | -0.00782609 |
| 332 | -0.00778571 |
| 333 | -0.00778571 |
| 334 | -0.00778571 |
| 335 | -0.00773913 |
| 336 | -0.00769231 |
| 337 | -0.00763636 |
| 338 | -0.0076 |
| 339 | -0.00752381 |
| 340 | -0.0075 |
| 341 | -0.007275 |
| 342 | -0.00727273 |
| 343 | -0.00724444 |
| 344 | -0.0072 |
| 345 | -0.00714286 |
| 346 | -0.00714286 |
| 347 | -0.00714286 |
| 348 | -0.0071 |
| 349 | -0.00708571 |
| 350 | -0.00692308 |
| 351 | -0.00692308 |
| 352 | -0.00691667 |
| 353 | -0.00690909 |
| 354 | -0.00670588 |
| 355 | -0.0067 |
| 356 | -0.00666667 |
| 357 | -0.00664286 |
| 358 | -0.00661905 |

| | |
|---|---|
| 359 | -0.00654545 |
| 360 | -0.00645455 |
| 361 | -0.0064359 |
| 362 | -0.00642857 |
| 363 | -0.006375 |
| 364 | -0.00633333 |
| 365 | -0.00628571 |
| 366 | -0.00628571 |
| 367 | -0.00625 |
| 368 | -0.00625 |
| 369 | -0.00624324 |
| 370 | -0.00622222 |
| 371 | -0.0062 |
| 372 | -0.00617647 |
| 373 | -0.00614286 |
| 374 | -0.006 |
| 375 | -0.00588235 |
| 376 | -0.00588235 |
| 377 | -0.00578947 |
| 378 | -0.00575 |
| 379 | -0.00563636 |
| 380 | -0.00555172 |
| 381 | -0.0054375 |
| 382 | -0.0053913 |
| 383 | -0.00537143 |
| 384 | -0.00535135 |
| 385 | -0.00530556 |
| 386 | -0.0052381 |
| 387 | -0.00516667 |
| 388 | -0.00514286 |
| 389 | -0.00513333 |
| 390 | -0.00502857 |
| 391 | -0.005 |
| 392 | -0.005 |
| 393 | -0.0048125 |
| 394 | -0.0048 |
| 395 | -0.00458333 |
| 396 | -0.00455556 |
| 397 | -0.00454545 |
| 398 | -0.00452941 |
| 399 | -0.0045 |
| 400 | -0.00445455 |
| 401 | -0.00434375 |
| 402 | -0.00428571 |
| 403 | -0.00423529 |
| 404 | -0.00408333 |
| 405 | -0.00406383 |
| 406 | -0.004 |
| 407 | -0.004 |
| 408 | -0.004 |
| 409 | -0.00394118 |
| 410 | -0.00393103 |
| 411 | -0.00391304 |
| 412 | -0.00381818 |
| 413 | -0.0037037 |
| 414 | -0.003625 |
| 415 | -0.0036 |

| | |
|---|---|
| 416 | -0.00356522 |
| 417 | -0.00353333 |
| 418 | -0.00346667 |
| 419 | -0.00345455 |
| 420 | -0.00344444 |
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| 1139 | 0.585789 |
| 1140 | 0.604595 |
| 1141 | 0.621111 |
| 1142 | 0.64 |
| 1143 | 0.657941 |
| 1144 | 0.666364 |
| 1145 | 0.704688 |
| 1146 | 0.727419 |
| 1147 | 0.735 |
| 1148 | 0.771379 |
| 1149 | 0.801786 |
| 1150 | 0.827778 |
| 1151 | 0.856538 |
| 1152 | 0.894 |
| 1153 | 0.92875 |
| 1154 | 0.96 |
| 1155 | 1.02409 |
| 1156 | 1.07381 |

| | |
|---|---|
| 1157 | 1.0999 |
| 1158 | 1.17337 |
| 1159 | 1.24006 |
| 1160 | 1.32424 |
| 1161 | 1.3925 |
| 1162 | 1.47013 |
| 1163 | 1.61071 |
| 1164 | 1.70969 |
| 1165 | 1.8725 |
| 1166 | 2.05 |
| 1167 | 2.2404 |
| 1168 | 2.46544 |
| 1169 | 2.7385 |
| 1170 | 3.14257 |
| 1171 | 3.74333 |
| 1172 | 4.4598 |
| 1173 | 5.6035 |
| 1174 | 7.48267 |
| 1175 | 11.183 |
| 1176 | 22.164 |

Sen's Estimator (Median Q) is 0.00213813

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.75 | 2 |
| 2 | 0.43 | 4 |
| 3 | 0.25 | 5 |
| 4 | 0.45 | 2 |
| 5 | 0.802 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |

| | |
|---|---|
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 510
B = 0
C = 84
D = 0
E = 38
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13430.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.621
M1 = (1176 - 190.621)/2.0 = 492.69
M2 = (1176 + 190.621)/2.0 + 1 = 684.31
Lower limit is -0.000659574 = Q(493)
Upper limit is 0.00523077 = Q(684)
-0.000659574 < 0 < 0.00523077 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 1
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.42 (5/8/2013) | 0.34 (3/12/2013) | (0.42 - 0.34)/(2 - 1) | 0.08 |
| 0.8 (9/23/2013) | 0.34 (3/12/2013) | (0.8 - 0.34)/(3 - 1) | 0.23 |
| 0.47 (12/10/2013) | 0.34 (3/12/2013) | (0.47 - 0.34)/(4 - 1) | 0.0433333 |
| 0.5 (2/6/2014) | 0.34 (3/12/2013) | (0.5 - 0.34)/(5 - 1) | 0.04 |
| 0.31 (6/26/2014) | 0.34 (3/12/2013) | (0.31 - 0.34)/(6 - 1) | -0.006 |
| 0.61 (9/30/2014) | 0.34 (3/12/2013) | (0.61 - 0.34)/(7 - 1) | 0.045 |
| 0.55 (11/19/2014) | 0.34 (3/12/2013) | (0.55 - 0.34)/(8 - 1) | 0.03 |
| ND<0.25 U (3/23/2015) | 0.34 (3/12/2013) | (0.25 - 0.34)/(9 - 1) | -0.01125 |
| 0.38 (4/22/2015) | 0.34 (3/12/2013) | (0.38 - 0.34)/(10 - 1) | 0.00444444 |
| 0.81 (9/30/2015) | 0.34 (3/12/2013) | (0.81 - 0.34)/(11 - 1) | 0.047 |
| ND<0.25 U (11/19/2015) | 0.34 (3/12/2013) | (0.25 - 0.34)/(12 - 1) | -0.00818182 |
| ND<0.25 U (3/15/2016) | 0.34 (3/12/2013) | (0.25 - 0.34)/(13 - 1) | -0.0075 |
| 0.62 (6/29/2016) | 0.34 (3/12/2013) | (0.62 - 0.34)/(14 - 1) | 0.0215385 |
| 0.55 (8/9/2016) | 0.34 (3/12/2013) | (0.55 - 0.34)/(15 - 1) | 0.015 |
| 0.38 (12/7/2016) | 0.34 (3/12/2013) | (0.38 - 0.34)/(16 - 1) | 0.00266667 |
| 0.35 (3/2/2017) | 0.34 (3/12/2013) | (0.35 - 0.34)/(17 - 1) | 0.000625 |
| 0.53 (6/29/2017) | 0.34 (3/12/2013) | (0.53 - 0.34)/(18 - 1) | 0.0111765 |
| 0.52 (8/16/2017) | 0.34 (3/12/2013) | (0.52 - 0.34)/(19 - 1) | 0.01 |
| 0.29 (10/25/2017) | 0.34 (3/12/2013) | (0.29 - 0.34)/(20 - 1) | -0.00263158 |
| ND<0.25 U (3/28/2018) | 0.34 (3/12/2013) | (0.25 - 0.34)/(21 - 1) | -0.0045 |
| 0.67 (6/29/2018) | 0.34 (3/12/2013) | (0.67 - 0.34)/(22 - 1) | 0.0157143 |
| 0.495 (8/2/2018) | 0.34 (3/12/2013) | (0.495 - 0.34)/(23 - 1) | 0.00704545 |
| 0.336 (12/10/2018) | 0.34 (3/12/2013) | (0.336 - 0.34)/(24 - 1) | -0.000173913 |
| 0.36 (4/15/2019) | 0.34 (3/12/2013) | (0.36 - 0.34)/(25 - 1) | 0.000833333 |
| ND<0.25 U (6/12/2019) | 0.34 (3/12/2013) | (0.25 - 0.34)/(26 - 1) | -0.0036 |
| 0.356 (8/27/2019) | 0.34 (3/12/2013) | (0.356 - 0.34)/(27 - 1) | 0.000615385 |
| 0.272 (10/29/2019) | 0.34 (3/12/2013) | (0.272 - 0.34)/(28 - 1) | -0.00251852 |
| ND<0.25 U (3/30/2020) | 0.34 (3/12/2013) | (0.25 - 0.34)/(29 - 1) | -0.00321429 |
| 0.485 (6/16/2020) | 0.34 (3/12/2013) | (0.485 - 0.34)/(30 - 1) | 0.005 |
| ND<0.25 U (9/21/2020) | 0.34 (3/12/2013) | (0.25 - 0.34)/(31 - 1) | -0.003 |
| 0.3 (12/17/2020) | 0.34 (3/12/2013) | (0.3 - 0.34)/(32 - 1) | -0.00129032 |
| 0.58 (3/18/2021) | 0.34 (3/12/2013) | (0.58 - 0.34)/(33 - 1) | 0.0075 |
| 0.402 (5/5/2021) | 0.34 (3/12/2013) | (0.402 - 0.34)/(34 - 1) | 0.00187879 |
| 0.353 (9/2/2021) | 0.34 (3/12/2013) | (0.353 - 0.34)/(35 - 1) | 0.000382353 |
| ND<0.25 U (11/23/2021) | 0.34 (3/12/2013) | (0.25 - 0.34)/(36 - 1) | -0.00257143 |
| 1.8 (1/11/2022) | 0.34 (3/12/2013) | (1.8 - 0.34)/(37 - 1) | 0.0405556 |
| 0.544 (4/7/2022) | 0.34 (3/12/2013) | (0.544 - 0.34)/(38 - 1) | 0.00551351 |
| 0.281 (8/2/2022) | 0.34 (3/12/2013) | (0.281 - 0.34)/(39 - 1) | -0.00155263 |
| 0.306 (11/16/2022) | 0.34 (3/12/2013) | (0.306 - 0.34)/(40 - 1) | -0.000871795 |
| 0.281 (2/14/2023) | 0.34 (3/12/2013) | (0.281 - 0.34)/(41 - 1) | -0.001475 |
| 0.694 (5/25/2023) | 0.34 (3/12/2013) | (0.694 - 0.34)/(42 - 1) | 0.00863415 |
| 0.552 (8/7/2023) | 0.34 (3/12/2013) | (0.552 - 0.34)/(43 - 1) | 0.00504762 |
| 0.434 (12/12/2023) | 0.34 (3/12/2013) | (0.434 - 0.34)/(44 - 1) | 0.00218605 |
| 0.542 (1/10/2024) | 0.34 (3/12/2013) | (0.542 - 0.34)/(45 - 1) | 0.00459091 |
| 0.597 (5/21/2024) | 0.34 (3/12/2013) | (0.597 - 0.34)/(46 - 1) | 0.00571111 |
| 0.699 (9/16/2024) | 0.34 (3/12/2013) | (0.699 - 0.34)/(47 - 1) | 0.00780435 |
| 0.334 (12/11/2024) | 0.34 (3/12/2013) | (0.334 - 0.34)/(48 - 1) | -0.00012766 |
| 0.416 (2/18/2025) | 0.34 (3/12/2013) | (0.416 - 0.34)/(49 - 1) | 0.00158333 |

| | | | |
|---|---|---|---|
| 0.8 (9/23/2013) | 0.42 (5/8/2013) | (0.8 - 0.42)/(3 - 2) | 0.38 |
| 0.47 (12/10/2013) | 0.42 (5/8/2013) | (0.47 - 0.42)/(4 - 2) | 0.025 |
| 0.5 (2/6/2014) | 0.42 (5/8/2013) | (0.5 - 0.42)/(5 - 2) | 0.0266667 |
| 0.31 (6/26/2014) | 0.42 (5/8/2013) | (0.31 - 0.42)/(6 - 2) | -0.0275 |
| 0.61 (9/30/2014) | 0.42 (5/8/2013) | (0.61 - 0.42)/(7 - 2) | 0.038 |
| 0.55 (11/19/2014) | 0.42 (5/8/2013) | (0.55 - 0.42)/(8 - 2) | 0.0216667 |
| ND<0.25 U (3/23/2015) | 0.42 (5/8/2013) | (0.25 - 0.42)/(9 - 2) | -0.0242857 |
| 0.38 (4/22/2015) | 0.42 (5/8/2013) | (0.38 - 0.42)/(10 - 2) | -0.005 |
| 0.81 (9/30/2015) | 0.42 (5/8/2013) | (0.81 - 0.42)/(11 - 2) | 0.0433333 |
| ND<0.25 U (11/19/2015) | 0.42 (5/8/2013) | (0.25 - 0.42)/(12 - 2) | -0.017 |
| ND<0.25 U (3/15/2016) | 0.42 (5/8/2013) | (0.25 - 0.42)/(13 - 2) | -0.0154545 |
| 0.62 (6/29/2016) | 0.42 (5/8/2013) | (0.62 - 0.42)/(14 - 2) | 0.0166667 |
| 0.55 (8/9/2016) | 0.42 (5/8/2013) | (0.55 - 0.42)/(15 - 2) | 0.01 |
| 0.38 (12/7/2016) | 0.42 (5/8/2013) | (0.38 - 0.42)/(16 - 2) | -0.00285714 |
| 0.35 (3/2/2017) | 0.42 (5/8/2013) | (0.35 - 0.42)/(17 - 2) | -0.00466667 |
| 0.53 (6/29/2017) | 0.42 (5/8/2013) | (0.53 - 0.42)/(18 - 2) | 0.006875 |
| 0.52 (8/16/2017) | 0.42 (5/8/2013) | (0.52 - 0.42)/(19 - 2) | 0.00588235 |
| 0.29 (10/25/2017) | 0.42 (5/8/2013) | (0.29 - 0.42)/(20 - 2) | -0.00722222 |
| ND<0.25 U (3/28/2018) | 0.42 (5/8/2013) | (0.25 - 0.42)/(21 - 2) | -0.00894737 |
| 0.67 (6/29/2018) | 0.42 (5/8/2013) | (0.67 - 0.42)/(22 - 2) | 0.0125 |
| 0.495 (8/2/2018) | 0.42 (5/8/2013) | (0.495 - 0.42)/(23 - 2) | 0.00357143 |
| 0.336 (12/10/2018) | 0.42 (5/8/2013) | (0.336 - 0.42)/(24 - 2) | -0.00381818 |
| 0.36 (4/15/2019) | 0.42 (5/8/2013) | (0.36 - 0.42)/(25 - 2) | -0.0026087 |
| ND<0.25 U (6/12/2019) | 0.42 (5/8/2013) | (0.25 - 0.42)/(26 - 2) | -0.00708333 |
| 0.356 (8/27/2019) | 0.42 (5/8/2013) | (0.356 - 0.42)/(27 - 2) | -0.00256 |
| 0.272 (10/29/2019) | 0.42 (5/8/2013) | (0.272 - 0.42)/(28 - 2) | -0.00569231 |
| ND<0.25 U (3/30/2020) | 0.42 (5/8/2013) | (0.25 - 0.42)/(29 - 2) | -0.0062963 |
| 0.485 (6/16/2020) | 0.42 (5/8/2013) | (0.485 - 0.42)/(30 - 2) | 0.00232143 |
| ND<0.25 U (9/21/2020) | 0.42 (5/8/2013) | (0.25 - 0.42)/(31 - 2) | -0.00586207 |
| 0.3 (12/17/2020) | 0.42 (5/8/2013) | (0.3 - 0.42)/(32 - 2) | -0.004 |
| 0.58 (3/18/2021) | 0.42 (5/8/2013) | (0.58 - 0.42)/(33 - 2) | 0.00516129 |
| 0.402 (5/5/2021) | 0.42 (5/8/2013) | (0.402 - 0.42)/(34 - 2) | -0.0005625 |
| 0.353 (9/2/2021) | 0.42 (5/8/2013) | (0.353 - 0.42)/(35 - 2) | -0.0020303 |
| ND<0.25 U (11/23/2021) | 0.42 (5/8/2013) | (0.25 - 0.42)/(36 - 2) | -0.005 |
| 1.8 (1/11/2022) | 0.42 (5/8/2013) | (1.8 - 0.42)/(37 - 2) | 0.0394286 |
| 0.544 (4/7/2022) | 0.42 (5/8/2013) | (0.544 - 0.42)/(38 - 2) | 0.00344444 |
| 0.281 (8/2/2022) | 0.42 (5/8/2013) | (0.281 - 0.42)/(39 - 2) | -0.00375676 |
| 0.306 (11/16/2022) | 0.42 (5/8/2013) | (0.306 - 0.42)/(40 - 2) | -0.003 |
| 0.281 (2/14/2023) | 0.42 (5/8/2013) | (0.281 - 0.42)/(41 - 2) | -0.0035641 |
| 0.694 (5/25/2023) | 0.42 (5/8/2013) | (0.694 - 0.42)/(42 - 2) | 0.00685 |
| 0.552 (8/7/2023) | 0.42 (5/8/2013) | (0.552 - 0.42)/(43 - 2) | 0.00321951 |
| 0.434 (12/12/2023) | 0.42 (5/8/2013) | (0.434 - 0.42)/(44 - 2) | 0.000333333 |
| 0.542 (1/10/2024) | 0.42 (5/8/2013) | (0.542 - 0.42)/(45 - 2) | 0.00283721 |
| 0.597 (5/21/2024) | 0.42 (5/8/2013) | (0.597 - 0.42)/(46 - 2) | 0.00402273 |
| 0.699 (9/16/2024) | 0.42 (5/8/2013) | (0.699 - 0.42)/(47 - 2) | 0.0062 |
| 0.334 (12/11/2024) | 0.42 (5/8/2013) | (0.334 - 0.42)/(48 - 2) | -0.00186957 |
| 0.416 (2/18/2025) | 0.42 (5/8/2013) | (0.416 - 0.42)/(49 - 2) | -8.51064e-05 |
| | | | |
| 0.47 (12/10/2013) | 0.8 (9/23/2013) | (0.47 - 0.8)/(4 - 3) | -0.33 |
| 0.5 (2/6/2014) | 0.8 (9/23/2013) | (0.5 - 0.8)/(5 - 3) | -0.15 |
| 0.31 (6/26/2014) | 0.8 (9/23/2013) | (0.31 - 0.8)/(6 - 3) | -0.163333 |
| 0.61 (9/30/2014) | 0.8 (9/23/2013) | (0.61 - 0.8)/(7 - 3) | -0.0475 |
| 0.55 (11/19/2014) | 0.8 (9/23/2013) | (0.55 - 0.8)/(8 - 3) | -0.05 |
| ND<0.25 U (3/23/2015) | 0.8 (9/23/2013) | (0.25 - 0.8)/(9 - 3) | -0.0916667 |
| 0.38 (4/22/2015) | 0.8 (9/23/2013) | (0.38 - 0.8)/(10 - 3) | -0.06 |
| 0.81 (9/30/2015) | 0.8 (9/23/2013) | (0.81 - 0.8)/(11 - 3) | 0.00125 |

| | | | |
|---|---|---|---|
| ND<0.25 U (11/19/2015) | 0.8 (9/23/2013) | (0.25 - 0.8)/(12 - 3) | -0.0611111 |
| ND<0.25 U (3/15/2016) | 0.8 (9/23/2013) | (0.25 - 0.8)/(13 - 3) | -0.055 |
| 0.62 (6/29/2016) | 0.8 (9/23/2013) | (0.62 - 0.8)/(14 - 3) | -0.0163636 |
| 0.55 (8/9/2016) | 0.8 (9/23/2013) | (0.55 - 0.8)/(15 - 3) | -0.0208333 |
| 0.38 (12/7/2016) | 0.8 (9/23/2013) | (0.38 - 0.8)/(16 - 3) | -0.0323077 |
| 0.35 (3/2/2017) | 0.8 (9/23/2013) | (0.35 - 0.8)/(17 - 3) | -0.0321429 |
| 0.53 (6/29/2017) | 0.8 (9/23/2013) | (0.53 - 0.8)/(18 - 3) | -0.018 |
| 0.52 (8/16/2017) | 0.8 (9/23/2013) | (0.52 - 0.8)/(19 - 3) | -0.0175 |
| 0.29 (10/25/2017) | 0.8 (9/23/2013) | (0.29 - 0.8)/(20 - 3) | -0.03 |
| ND<0.25 U (3/28/2018) | 0.8 (9/23/2013) | (0.25 - 0.8)/(21 - 3) | -0.0305556 |
| 0.67 (6/29/2018) | 0.8 (9/23/2013) | (0.67 - 0.8)/(22 - 3) | -0.00684211 |
| 0.495 (8/2/2018) | 0.8 (9/23/2013) | (0.495 - 0.8)/(23 - 3) | -0.01525 |
| 0.336 (12/10/2018) | 0.8 (9/23/2013) | (0.336 - 0.8)/(24 - 3) | -0.0220952 |
| 0.36 (4/15/2019) | 0.8 (9/23/2013) | (0.36 - 0.8)/(25 - 3) | -0.02 |
| ND<0.25 U (6/12/2019) | 0.8 (9/23/2013) | (0.25 - 0.8)/(26 - 3) | -0.023913 |
| 0.356 (8/27/2019) | 0.8 (9/23/2013) | (0.356 - 0.8)/(27 - 3) | -0.0185 |
| 0.272 (10/29/2019) | 0.8 (9/23/2013) | (0.272 - 0.8)/(28 - 3) | -0.02112 |
| ND<0.25 U (3/30/2020) | 0.8 (9/23/2013) | (0.25 - 0.8)/(29 - 3) | -0.0211538 |
| 0.485 (6/16/2020) | 0.8 (9/23/2013) | (0.485 - 0.8)/(30 - 3) | -0.0116667 |
| ND<0.25 U (9/21/2020) | 0.8 (9/23/2013) | (0.25 - 0.8)/(31 - 3) | -0.0196429 |
| 0.3 (12/17/2020) | 0.8 (9/23/2013) | (0.3 - 0.8)/(32 - 3) | -0.0172414 |
| 0.58 (3/18/2021) | 0.8 (9/23/2013) | (0.58 - 0.8)/(33 - 3) | -0.00733333 |
| 0.402 (5/5/2021) | 0.8 (9/23/2013) | (0.402 - 0.8)/(34 - 3) | -0.0128387 |
| 0.353 (9/2/2021) | 0.8 (9/23/2013) | (0.353 - 0.8)/(35 - 3) | -0.0139688 |
| ND<0.25 U (11/23/2021) | 0.8 (9/23/2013) | (0.25 - 0.8)/(36 - 3) | -0.0166667 |
| 1.8 (1/11/2022) | 0.8 (9/23/2013) | (1.8 - 0.8)/(37 - 3) | 0.0294118 |
| 0.544 (4/7/2022) | 0.8 (9/23/2013) | (0.544 - 0.8)/(38 - 3) | -0.00731429 |
| 0.281 (8/2/2022) | 0.8 (9/23/2013) | (0.281 - 0.8)/(39 - 3) | -0.0144167 |
| 0.306 (11/16/2022) | 0.8 (9/23/2013) | (0.306 - 0.8)/(40 - 3) | -0.0133514 |
| 0.281 (2/14/2023) | 0.8 (9/23/2013) | (0.281 - 0.8)/(41 - 3) | -0.0136579 |
| 0.694 (5/25/2023) | 0.8 (9/23/2013) | (0.694 - 0.8)/(42 - 3) | -0.00271795 |
| 0.552 (8/7/2023) | 0.8 (9/23/2013) | (0.552 - 0.8)/(43 - 3) | -0.0062 |
| 0.434 (12/12/2023) | 0.8 (9/23/2013) | (0.434 - 0.8)/(44 - 3) | -0.00892683 |
| 0.542 (1/10/2024) | 0.8 (9/23/2013) | (0.542 - 0.8)/(45 - 3) | -0.00614286 |
| 0.597 (5/21/2024) | 0.8 (9/23/2013) | (0.597 - 0.8)/(46 - 3) | -0.00472093 |
| 0.699 (9/16/2024) | 0.8 (9/23/2013) | (0.699 - 0.8)/(47 - 3) | -0.00229545 |
| 0.334 (12/11/2024) | 0.8 (9/23/2013) | (0.334 - 0.8)/(48 - 3) | -0.0103556 |
| 0.416 (2/18/2025) | 0.8 (9/23/2013) | (0.416 - 0.8)/(49 - 3) | -0.00834783 |
| | | | |
| 0.5 (2/6/2014) | 0.47 (12/10/2013) | (0.5 - 0.47)/(5 - 4) | 0.03 |
| 0.31 (6/26/2014) | 0.47 (12/10/2013) | (0.31 - 0.47)/(6 - 4) | -0.08 |
| 0.61 (9/30/2014) | 0.47 (12/10/2013) | (0.61 - 0.47)/(7 - 4) | 0.0466667 |
| 0.55 (11/19/2014) | 0.47 (12/10/2013) | (0.55 - 0.47)/(8 - 4) | 0.02 |
| ND<0.25 U (3/23/2015) | 0.47 (12/10/2013) | (0.25 - 0.47)/(9 - 4) | -0.044 |
| 0.38 (4/22/2015) | 0.47 (12/10/2013) | (0.38 - 0.47)/(10 - 4) | -0.015 |
| 0.81 (9/30/2015) | 0.47 (12/10/2013) | (0.81 - 0.47)/(11 - 4) | 0.0485714 |
| ND<0.25 U (11/19/2015) | 0.47 (12/10/2013) | (0.25 - 0.47)/(12 - 4) | -0.0275 |
| ND<0.25 U (3/15/2016) | 0.47 (12/10/2013) | (0.25 - 0.47)/(13 - 4) | -0.0244444 |
| 0.62 (6/29/2016) | 0.47 (12/10/2013) | (0.62 - 0.47)/(14 - 4) | 0.015 |
| 0.55 (8/9/2016) | 0.47 (12/10/2013) | (0.55 - 0.47)/(15 - 4) | 0.00727273 |
| 0.38 (12/7/2016) | 0.47 (12/10/2013) | (0.38 - 0.47)/(16 - 4) | -0.0075 |
| 0.35 (3/2/2017) | 0.47 (12/10/2013) | (0.35 - 0.47)/(17 - 4) | -0.00923077 |
| 0.53 (6/29/2017) | 0.47 (12/10/2013) | (0.53 - 0.47)/(18 - 4) | 0.00428571 |
| 0.52 (8/16/2017) | 0.47 (12/10/2013) | (0.52 - 0.47)/(19 - 4) | 0.00333333 |
| 0.29 (10/25/2017) | 0.47 (12/10/2013) | (0.29 - 0.47)/(20 - 4) | -0.01125 |
| ND<0.25 U (3/28/2018) | 0.47 (12/10/2013) | (0.25 - 0.47)/(21 - 4) | -0.0129412 |
| 0.67 (6/29/2018) | 0.47 (12/10/2013) | (0.67 - 0.47)/(22 - 4) | 0.0111111 |

| | | | |
|---|---|---|---|
| 0.495 (8/2/2018) | 0.47 (12/10/2013) | (0.495 - 0.47)/(23 - 4) | 0.00131579 |
| 0.336 (12/10/2018) | 0.47 (12/10/2013) | (0.336 - 0.47)/(24 - 4) | -0.0067 |
| 0.36 (4/15/2019) | 0.47 (12/10/2013) | (0.36 - 0.47)/(25 - 4) | -0.0052381 |
| ND<0.25 U (6/12/2019) | 0.47 (12/10/2013) | (0.25 - 0.47)/(26 - 4) | -0.01 |
| 0.356 (8/27/2019) | 0.47 (12/10/2013) | (0.356 - 0.47)/(27 - 4) | -0.00495652 |
| 0.272 (10/29/2019) | 0.47 (12/10/2013) | (0.272 - 0.47)/(28 - 4) | -0.00825 |
| ND<0.25 U (3/30/2020) | 0.47 (12/10/2013) | (0.25 - 0.47)/(29 - 4) | -0.0088 |
| 0.485 (6/16/2020) | 0.47 (12/10/2013) | (0.485 - 0.47)/(30 - 4) | 0.000576923 |
| ND<0.25 U (9/21/2020) | 0.47 (12/10/2013) | (0.25 - 0.47)/(31 - 4) | -0.00814815 |
| 0.3 (12/17/2020) | 0.47 (12/10/2013) | (0.3 - 0.47)/(32 - 4) | -0.00607143 |
| 0.58 (3/18/2021) | 0.47 (12/10/2013) | (0.58 - 0.47)/(33 - 4) | 0.0037931 |
| 0.402 (5/5/2021) | 0.47 (12/10/2013) | (0.402 - 0.47)/(34 - 4) | -0.00226667 |
| 0.353 (9/2/2021) | 0.47 (12/10/2013) | (0.353 - 0.47)/(35 - 4) | -0.00377419 |
| ND<0.25 U (11/23/2021) | 0.47 (12/10/2013) | (0.25 - 0.47)/(36 - 4) | -0.006875 |
| 1.8 (1/11/2022) | 0.47 (12/10/2013) | (1.8 - 0.47)/(37 - 4) | 0.040303 |
| 0.544 (4/7/2022) | 0.47 (12/10/2013) | (0.544 - 0.47)/(38 - 4) | 0.00217647 |
| 0.281 (8/2/2022) | 0.47 (12/10/2013) | (0.281 - 0.47)/(39 - 4) | -0.0054 |
| 0.306 (11/16/2022) | 0.47 (12/10/2013) | (0.306 - 0.47)/(40 - 4) | -0.00455556 |
| 0.281 (2/14/2023) | 0.47 (12/10/2013) | (0.281 - 0.47)/(41 - 4) | -0.00510811 |
| 0.694 (5/25/2023) | 0.47 (12/10/2013) | (0.694 - 0.47)/(42 - 4) | 0.00589474 |
| 0.552 (8/7/2023) | 0.47 (12/10/2013) | (0.552 - 0.47)/(43 - 4) | 0.00210256 |
| 0.434 (12/12/2023) | 0.47 (12/10/2013) | (0.434 - 0.47)/(44 - 4) | -0.0009 |
| 0.542 (1/10/2024) | 0.47 (12/10/2013) | (0.542 - 0.47)/(45 - 4) | 0.0017561 |
| 0.597 (5/21/2024) | 0.47 (12/10/2013) | (0.597 - 0.47)/(46 - 4) | 0.00302381 |
| 0.699 (9/16/2024) | 0.47 (12/10/2013) | (0.699 - 0.47)/(47 - 4) | 0.00532558 |
| 0.334 (12/11/2024) | 0.47 (12/10/2013) | (0.334 - 0.47)/(48 - 4) | -0.00309091 |
| 0.416 (2/18/2025) | 0.47 (12/10/2013) | (0.416 - 0.47)/(49 - 4) | -0.0012 |

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|---|---|---|---|
| 0.31 (6/26/2014) | 0.5 (2/6/2014) | (0.31 - 0.5)/(6 - 5) | -0.19 |
| 0.61 (9/30/2014) | 0.5 (2/6/2014) | (0.61 - 0.5)/(7 - 5) | 0.055 |
| 0.55 (11/19/2014) | 0.5 (2/6/2014) | (0.55 - 0.5)/(8 - 5) | 0.0166667 |
| ND<0.25 U (3/23/2015) | 0.5 (2/6/2014) | (0.25 - 0.5)/(9 - 5) | -0.0625 |
| 0.38 (4/22/2015) | 0.5 (2/6/2014) | (0.38 - 0.5)/(10 - 5) | -0.024 |
| 0.81 (9/30/2015) | 0.5 (2/6/2014) | (0.81 - 0.5)/(11 - 5) | 0.0516667 |
| ND<0.25 U (11/19/2015) | 0.5 (2/6/2014) | (0.25 - 0.5)/(12 - 5) | -0.0357143 |
| ND<0.25 U (3/15/2016) | 0.5 (2/6/2014) | (0.25 - 0.5)/(13 - 5) | -0.03125 |
| 0.62 (6/29/2016) | 0.5 (2/6/2014) | (0.62 - 0.5)/(14 - 5) | 0.0133333 |
| 0.55 (8/9/2016) | 0.5 (2/6/2014) | (0.55 - 0.5)/(15 - 5) | 0.005 |
| 0.38 (12/7/2016) | 0.5 (2/6/2014) | (0.38 - 0.5)/(16 - 5) | -0.0109091 |
| 0.35 (3/2/2017) | 0.5 (2/6/2014) | (0.35 - 0.5)/(17 - 5) | -0.0125 |
| 0.53 (6/29/2017) | 0.5 (2/6/2014) | (0.53 - 0.5)/(18 - 5) | 0.00230769 |
| 0.52 (8/16/2017) | 0.5 (2/6/2014) | (0.52 - 0.5)/(19 - 5) | 0.00142857 |
| 0.29 (10/25/2017) | 0.5 (2/6/2014) | (0.29 - 0.5)/(20 - 5) | -0.014 |
| ND<0.25 U (3/28/2018) | 0.5 (2/6/2014) | (0.25 - 0.5)/(21 - 5) | -0.015625 |
| 0.67 (6/29/2018) | 0.5 (2/6/2014) | (0.67 - 0.5)/(22 - 5) | 0.01 |
| 0.495 (8/2/2018) | 0.5 (2/6/2014) | (0.495 - 0.5)/(23 - 5) | -0.000277778 |
| 0.336 (12/10/2018) | 0.5 (2/6/2014) | (0.336 - 0.5)/(24 - 5) | -0.00863158 |
| 0.36 (4/15/2019) | 0.5 (2/6/2014) | (0.36 - 0.5)/(25 - 5) | -0.007 |
| ND<0.25 U (6/12/2019) | 0.5 (2/6/2014) | (0.25 - 0.5)/(26 - 5) | -0.0119048 |
| 0.356 (8/27/2019) | 0.5 (2/6/2014) | (0.356 - 0.5)/(27 - 5) | -0.00654545 |
| 0.272 (10/29/2019) | 0.5 (2/6/2014) | (0.272 - 0.5)/(28 - 5) | -0.00991304 |
| ND<0.25 U (3/30/2020) | 0.5 (2/6/2014) | (0.25 - 0.5)/(29 - 5) | -0.0104167 |
| 0.485 (6/16/2020) | 0.5 (2/6/2014) | (0.485 - 0.5)/(30 - 5) | -0.0006 |
| ND<0.25 U (9/21/2020) | 0.5 (2/6/2014) | (0.25 - 0.5)/(31 - 5) | -0.00961538 |
| 0.3 (12/17/2020) | 0.5 (2/6/2014) | (0.3 - 0.5)/(32 - 5) | -0.00740741 |
| 0.58 (3/18/2021) | 0.5 (2/6/2014) | (0.58 - 0.5)/(33 - 5) | 0.00285714 |
| 0.402 (5/5/2021) | 0.5 (2/6/2014) | (0.402 - 0.5)/(34 - 5) | -0.00337931 |

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|---|---|---|---|
| 0.353 (9/2/2021) | 0.5 (2/6/2014) | (0.353 - 0.5)/(35 - 5) | -0.0049 |
| ND<0.25 U (11/23/2021) | 0.5 (2/6/2014) | (0.25 - 0.5)/(36 - 5) | -0.00806452 |
| 1.8 (1/11/2022) | 0.5 (2/6/2014) | (1.8 - 0.5)/(37 - 5) | 0.040625 |
| 0.544 (4/7/2022) | 0.5 (2/6/2014) | (0.544 - 0.5)/(38 - 5) | 0.00133333 |
| 0.281 (8/2/2022) | 0.5 (2/6/2014) | (0.281 - 0.5)/(39 - 5) | -0.00644118 |
| 0.306 (11/16/2022) | 0.5 (2/6/2014) | (0.306 - 0.5)/(40 - 5) | -0.00554286 |
| 0.281 (2/14/2023) | 0.5 (2/6/2014) | (0.281 - 0.5)/(41 - 5) | -0.00608333 |
| 0.694 (5/25/2023) | 0.5 (2/6/2014) | (0.694 - 0.5)/(42 - 5) | 0.00524324 |
| 0.552 (8/7/2023) | 0.5 (2/6/2014) | (0.552 - 0.5)/(43 - 5) | 0.00136842 |
| 0.434 (12/12/2023) | 0.5 (2/6/2014) | (0.434 - 0.5)/(44 - 5) | -0.00169231 |
| 0.542 (1/10/2024) | 0.5 (2/6/2014) | (0.542 - 0.5)/(45 - 5) | 0.00105 |
| 0.597 (5/21/2024) | 0.5 (2/6/2014) | (0.597 - 0.5)/(46 - 5) | 0.00236585 |
| 0.699 (9/16/2024) | 0.5 (2/6/2014) | (0.699 - 0.5)/(47 - 5) | 0.0047381 |
| 0.334 (12/11/2024) | 0.5 (2/6/2014) | (0.334 - 0.5)/(48 - 5) | -0.00386047 |
| 0.416 (2/18/2025) | 0.5 (2/6/2014) | (0.416 - 0.5)/(49 - 5) | -0.00190909 |
| | | | |
| 0.61 (9/30/2014) | 0.31 (6/26/2014) | (0.61 - 0.31)/(7 - 6) | 0.3 |
| 0.55 (11/19/2014) | 0.31 (6/26/2014) | (0.55 - 0.31)/(8 - 6) | 0.12 |
| ND<0.25 U (3/23/2015) | 0.31 (6/26/2014) | (0.25 - 0.31)/(9 - 6) | -0.02 |
| 0.38 (4/22/2015) | 0.31 (6/26/2014) | (0.38 - 0.31)/(10 - 6) | 0.0175 |
| 0.81 (9/30/2015) | 0.31 (6/26/2014) | (0.81 - 0.31)/(11 - 6) | 0.1 |
| ND<0.25 U (11/19/2015) | 0.31 (6/26/2014) | (0.25 - 0.31)/(12 - 6) | -0.01 |
| ND<0.25 U (3/15/2016) | 0.31 (6/26/2014) | (0.25 - 0.31)/(13 - 6) | -0.00857143 |
| 0.62 (6/29/2016) | 0.31 (6/26/2014) | (0.62 - 0.31)/(14 - 6) | 0.03875 |
| 0.55 (8/9/2016) | 0.31 (6/26/2014) | (0.55 - 0.31)/(15 - 6) | 0.0266667 |
| 0.38 (12/7/2016) | 0.31 (6/26/2014) | (0.38 - 0.31)/(16 - 6) | 0.007 |
| 0.35 (3/2/2017) | 0.31 (6/26/2014) | (0.35 - 0.31)/(17 - 6) | 0.00363636 |
| 0.53 (6/29/2017) | 0.31 (6/26/2014) | (0.53 - 0.31)/(18 - 6) | 0.0183333 |
| 0.52 (8/16/2017) | 0.31 (6/26/2014) | (0.52 - 0.31)/(19 - 6) | 0.0161538 |
| 0.29 (10/25/2017) | 0.31 (6/26/2014) | (0.29 - 0.31)/(20 - 6) | -0.00142857 |
| ND<0.25 U (3/28/2018) | 0.31 (6/26/2014) | (0.25 - 0.31)/(21 - 6) | -0.004 |
| 0.67 (6/29/2018) | 0.31 (6/26/2014) | (0.67 - 0.31)/(22 - 6) | 0.0225 |
| 0.495 (8/2/2018) | 0.31 (6/26/2014) | (0.495 - 0.31)/(23 - 6) | 0.0108824 |
| 0.336 (12/10/2018) | 0.31 (6/26/2014) | (0.336 - 0.31)/(24 - 6) | 0.00144444 |
| 0.36 (4/15/2019) | 0.31 (6/26/2014) | (0.36 - 0.31)/(25 - 6) | 0.00263158 |
| ND<0.25 U (6/12/2019) | 0.31 (6/26/2014) | (0.25 - 0.31)/(26 - 6) | -0.003 |
| 0.356 (8/27/2019) | 0.31 (6/26/2014) | (0.356 - 0.31)/(27 - 6) | 0.00219048 |
| 0.272 (10/29/2019) | 0.31 (6/26/2014) | (0.272 - 0.31)/(28 - 6) | -0.00172727 |
| ND<0.25 U (3/30/2020) | 0.31 (6/26/2014) | (0.25 - 0.31)/(29 - 6) | -0.0026087 |
| 0.485 (6/16/2020) | 0.31 (6/26/2014) | (0.485 - 0.31)/(30 - 6) | 0.00729167 |
| ND<0.25 U (9/21/2020) | 0.31 (6/26/2014) | (0.25 - 0.31)/(31 - 6) | -0.0024 |
| 0.3 (12/17/2020) | 0.31 (6/26/2014) | (0.3 - 0.31)/(32 - 6) | -0.000384615 |
| 0.58 (3/18/2021) | 0.31 (6/26/2014) | (0.58 - 0.31)/(33 - 6) | 0.01 |
| 0.402 (5/5/2021) | 0.31 (6/26/2014) | (0.402 - 0.31)/(34 - 6) | 0.00328571 |
| 0.353 (9/2/2021) | 0.31 (6/26/2014) | (0.353 - 0.31)/(35 - 6) | 0.00148276 |
| ND<0.25 U (11/23/2021) | 0.31 (6/26/2014) | (0.25 - 0.31)/(36 - 6) | -0.002 |
| 1.8 (1/11/2022) | 0.31 (6/26/2014) | (1.8 - 0.31)/(37 - 6) | 0.0480645 |
| 0.544 (4/7/2022) | 0.31 (6/26/2014) | (0.544 - 0.31)/(38 - 6) | 0.0073125 |
| 0.281 (8/2/2022) | 0.31 (6/26/2014) | (0.281 - 0.31)/(39 - 6) | -0.000878788 |
| 0.306 (11/16/2022) | 0.31 (6/26/2014) | (0.306 - 0.31)/(40 - 6) | -0.000117647 |
| 0.281 (2/14/2023) | 0.31 (6/26/2014) | (0.281 - 0.31)/(41 - 6) | -0.000828571 |
| 0.694 (5/25/2023) | 0.31 (6/26/2014) | (0.694 - 0.31)/(42 - 6) | 0.0106667 |
| 0.552 (8/7/2023) | 0.31 (6/26/2014) | (0.552 - 0.31)/(43 - 6) | 0.00654054 |
| 0.434 (12/12/2023) | 0.31 (6/26/2014) | (0.434 - 0.31)/(44 - 6) | 0.00326316 |
| 0.542 (1/10/2024) | 0.31 (6/26/2014) | (0.542 - 0.31)/(45 - 6) | 0.00594872 |
| 0.597 (5/21/2024) | 0.31 (6/26/2014) | (0.597 - 0.31)/(46 - 6) | 0.007175 |
| 0.699 (9/16/2024) | 0.31 (6/26/2014) | (0.699 - 0.31)/(47 - 6) | 0.0094878 |

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|---|---|---|---|
| 0.334 (12/11/2024) | 0.31 (6/26/2014) | (0.334 - 0.31)/(48 - 6) | 0.000571429 |
| 0.416 (2/18/2025) | 0.31 (6/26/2014) | (0.416 - 0.31)/(49 - 6) | 0.00246512 |
| | | | |
| 0.55 (11/19/2014) | 0.61 (9/30/2014) | (0.55 - 0.61)/(8 - 7) | -0.06 |
| ND<0.25 U (3/23/2015) | 0.61 (9/30/2014) | (0.25 - 0.61)/(9 - 7) | -0.18 |
| 0.38 (4/22/2015) | 0.61 (9/30/2014) | (0.38 - 0.61)/(10 - 7) | -0.0766667 |
| 0.81 (9/30/2015) | 0.61 (9/30/2014) | (0.81 - 0.61)/(11 - 7) | 0.05 |
| ND<0.25 U (11/19/2015) | 0.61 (9/30/2014) | (0.25 - 0.61)/(12 - 7) | -0.072 |
| ND<0.25 U (3/15/2016) | 0.61 (9/30/2014) | (0.25 - 0.61)/(13 - 7) | -0.06 |
| 0.62 (6/29/2016) | 0.61 (9/30/2014) | (0.62 - 0.61)/(14 - 7) | 0.00142857 |
| 0.55 (8/9/2016) | 0.61 (9/30/2014) | (0.55 - 0.61)/(15 - 7) | -0.0075 |
| 0.38 (12/7/2016) | 0.61 (9/30/2014) | (0.38 - 0.61)/(16 - 7) | -0.0255556 |
| 0.35 (3/2/2017) | 0.61 (9/30/2014) | (0.35 - 0.61)/(17 - 7) | -0.026 |
| 0.53 (6/29/2017) | 0.61 (9/30/2014) | (0.53 - 0.61)/(18 - 7) | -0.00727273 |
| 0.52 (8/16/2017) | 0.61 (9/30/2014) | (0.52 - 0.61)/(19 - 7) | -0.0075 |
| 0.29 (10/25/2017) | 0.61 (9/30/2014) | (0.29 - 0.61)/(20 - 7) | -0.0246154 |
| ND<0.25 U (3/28/2018) | 0.61 (9/30/2014) | (0.25 - 0.61)/(21 - 7) | -0.0257143 |
| 0.67 (6/29/2018) | 0.61 (9/30/2014) | (0.67 - 0.61)/(22 - 7) | 0.004 |
| 0.495 (8/2/2018) | 0.61 (9/30/2014) | (0.495 - 0.61)/(23 - 7) | -0.0071875 |
| 0.336 (12/10/2018) | 0.61 (9/30/2014) | (0.336 - 0.61)/(24 - 7) | -0.0161176 |
| 0.36 (4/15/2019) | 0.61 (9/30/2014) | (0.36 - 0.61)/(25 - 7) | -0.0138889 |
| ND<0.25 U (6/12/2019) | 0.61 (9/30/2014) | (0.25 - 0.61)/(26 - 7) | -0.0189474 |
| 0.356 (8/27/2019) | 0.61 (9/30/2014) | (0.356 - 0.61)/(27 - 7) | -0.0127 |
| 0.272 (10/29/2019) | 0.61 (9/30/2014) | (0.272 - 0.61)/(28 - 7) | -0.0160952 |
| ND<0.25 U (3/30/2020) | 0.61 (9/30/2014) | (0.25 - 0.61)/(29 - 7) | -0.0163636 |
| 0.485 (6/16/2020) | 0.61 (9/30/2014) | (0.485 - 0.61)/(30 - 7) | -0.00543478 |
| ND<0.25 U (9/21/2020) | 0.61 (9/30/2014) | (0.25 - 0.61)/(31 - 7) | -0.015 |
| 0.3 (12/17/2020) | 0.61 (9/30/2014) | (0.3 - 0.61)/(32 - 7) | -0.0124 |
| 0.58 (3/18/2021) | 0.61 (9/30/2014) | (0.58 - 0.61)/(33 - 7) | -0.00115385 |
| 0.402 (5/5/2021) | 0.61 (9/30/2014) | (0.402 - 0.61)/(34 - 7) | -0.0077037 |
| 0.353 (9/2/2021) | 0.61 (9/30/2014) | (0.353 - 0.61)/(35 - 7) | -0.00917857 |
| ND<0.25 U (11/23/2021) | 0.61 (9/30/2014) | (0.25 - 0.61)/(36 - 7) | -0.0124138 |
| 1.8 (1/11/2022) | 0.61 (9/30/2014) | (1.8 - 0.61)/(37 - 7) | 0.0396667 |
| 0.544 (4/7/2022) | 0.61 (9/30/2014) | (0.544 - 0.61)/(38 - 7) | -0.00212903 |
| 0.281 (8/2/2022) | 0.61 (9/30/2014) | (0.281 - 0.61)/(39 - 7) | -0.0102812 |
| 0.306 (11/16/2022) | 0.61 (9/30/2014) | (0.306 - 0.61)/(40 - 7) | -0.00921212 |
| 0.281 (2/14/2023) | 0.61 (9/30/2014) | (0.281 - 0.61)/(41 - 7) | -0.00967647 |
| 0.694 (5/25/2023) | 0.61 (9/30/2014) | (0.694 - 0.61)/(42 - 7) | 0.0024 |
| 0.552 (8/7/2023) | 0.61 (9/30/2014) | (0.552 - 0.61)/(43 - 7) | -0.00161111 |
| 0.434 (12/12/2023) | 0.61 (9/30/2014) | (0.434 - 0.61)/(44 - 7) | -0.00475676 |
| 0.542 (1/10/2024) | 0.61 (9/30/2014) | (0.542 - 0.61)/(45 - 7) | -0.00178947 |
| 0.597 (5/21/2024) | 0.61 (9/30/2014) | (0.597 - 0.61)/(46 - 7) | -0.000333333 |
| 0.699 (9/16/2024) | 0.61 (9/30/2014) | (0.699 - 0.61)/(47 - 7) | 0.002225 |
| 0.334 (12/11/2024) | 0.61 (9/30/2014) | (0.334 - 0.61)/(48 - 7) | -0.00673171 |
| 0.416 (2/18/2025) | 0.61 (9/30/2014) | (0.416 - 0.61)/(49 - 7) | -0.00461905 |
| | | | |
| ND<0.25 U (3/23/2015) | 0.55 (11/19/2014) | (0.25 - 0.55)/(9 - 8) | -0.3 |
| 0.38 (4/22/2015) | 0.55 (11/19/2014) | (0.38 - 0.55)/(10 - 8) | -0.085 |
| 0.81 (9/30/2015) | 0.55 (11/19/2014) | (0.81 - 0.55)/(11 - 8) | 0.0866667 |
| ND<0.25 U (11/19/2015) | 0.55 (11/19/2014) | (0.25 - 0.55)/(12 - 8) | -0.075 |
| ND<0.25 U (3/15/2016) | 0.55 (11/19/2014) | (0.25 - 0.55)/(13 - 8) | -0.06 |
| 0.62 (6/29/2016) | 0.55 (11/19/2014) | (0.62 - 0.55)/(14 - 8) | 0.0116667 |
| 0.55 (8/9/2016) | 0.55 (11/19/2014) | (0.55 - 0.55)/(15 - 8) | 0 |
| 0.38 (12/7/2016) | 0.55 (11/19/2014) | (0.38 - 0.55)/(16 - 8) | -0.02125 |
| 0.35 (3/2/2017) | 0.55 (11/19/2014) | (0.35 - 0.55)/(17 - 8) | -0.0222222 |
| 0.53 (6/29/2017) | 0.55 (11/19/2014) | (0.53 - 0.55)/(18 - 8) | -0.002 |
| 0.52 (8/16/2017) | 0.55 (11/19/2014) | (0.52 - 0.55)/(19 - 8) | -0.00272727 |

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|---|---|---|---|
| 0.29 (10/25/2017) | 0.55 (11/19/2014) | (0.29 - 0.55)/(20 - 8) | -0.0216667 |
| ND<0.25 U (3/28/2018) | 0.55 (11/19/2014) | (0.25 - 0.55)/(21 - 8) | -0.0230769 |
| 0.67 (6/29/2018) | 0.55 (11/19/2014) | (0.67 - 0.55)/(22 - 8) | 0.00857143 |
| 0.495 (8/2/2018) | 0.55 (11/19/2014) | (0.495 - 0.55)/(23 - 8) | -0.00366667 |
| 0.336 (12/10/2018) | 0.55 (11/19/2014) | (0.336 - 0.55)/(24 - 8) | -0.013375 |
| 0.36 (4/15/2019) | 0.55 (11/19/2014) | (0.36 - 0.55)/(25 - 8) | -0.0111765 |
| ND<0.25 U (6/12/2019) | 0.55 (11/19/2014) | (0.25 - 0.55)/(26 - 8) | -0.0166667 |
| 0.356 (8/27/2019) | 0.55 (11/19/2014) | (0.356 - 0.55)/(27 - 8) | -0.0102105 |
| 0.272 (10/29/2019) | 0.55 (11/19/2014) | (0.272 - 0.55)/(28 - 8) | -0.0139 |
| ND<0.25 U (3/30/2020) | 0.55 (11/19/2014) | (0.25 - 0.55)/(29 - 8) | -0.0142857 |
| 0.485 (6/16/2020) | 0.55 (11/19/2014) | (0.485 - 0.55)/(30 - 8) | -0.00295455 |
| ND<0.25 U (9/21/2020) | 0.55 (11/19/2014) | (0.25 - 0.55)/(31 - 8) | -0.0130435 |
| 0.3 (12/17/2020) | 0.55 (11/19/2014) | (0.3 - 0.55)/(32 - 8) | -0.0104167 |
| 0.58 (3/18/2021) | 0.55 (11/19/2014) | (0.58 - 0.55)/(33 - 8) | 0.0012 |
| 0.402 (5/5/2021) | 0.55 (11/19/2014) | (0.402 - 0.55)/(34 - 8) | -0.00569231 |
| 0.353 (9/2/2021) | 0.55 (11/19/2014) | (0.353 - 0.55)/(35 - 8) | -0.0072963 |
| ND<0.25 U (11/23/2021) | 0.55 (11/19/2014) | (0.25 - 0.55)/(36 - 8) | -0.0107143 |
| 1.8 (1/11/2022) | 0.55 (11/19/2014) | (1.8 - 0.55)/(37 - 8) | 0.0431034 |
| 0.544 (4/7/2022) | 0.55 (11/19/2014) | (0.544 - 0.55)/(38 - 8) | -0.0002 |
| 0.281 (8/2/2022) | 0.55 (11/19/2014) | (0.281 - 0.55)/(39 - 8) | -0.00867742 |
| 0.306 (11/16/2022) | 0.55 (11/19/2014) | (0.306 - 0.55)/(40 - 8) | -0.007625 |
| 0.281 (2/14/2023) | 0.55 (11/19/2014) | (0.281 - 0.55)/(41 - 8) | -0.00815152 |
| 0.694 (5/25/2023) | 0.55 (11/19/2014) | (0.694 - 0.55)/(42 - 8) | 0.00423529 |
| 0.552 (8/7/2023) | 0.55 (11/19/2014) | (0.552 - 0.55)/(43 - 8) | 5.71429e-05 |
| 0.434 (12/12/2023) | 0.55 (11/19/2014) | (0.434 - 0.55)/(44 - 8) | -0.00322222 |
| 0.542 (1/10/2024) | 0.55 (11/19/2014) | (0.542 - 0.55)/(45 - 8) | -0.000216216 |
| 0.597 (5/21/2024) | 0.55 (11/19/2014) | (0.597 - 0.55)/(46 - 8) | 0.00123684 |
| 0.699 (9/16/2024) | 0.55 (11/19/2014) | (0.699 - 0.55)/(47 - 8) | 0.00382051 |
| 0.334 (12/11/2024) | 0.55 (11/19/2014) | (0.334 - 0.55)/(48 - 8) | -0.0054 |
| 0.416 (2/18/2025) | 0.55 (11/19/2014) | (0.416 - 0.55)/(49 - 8) | -0.00326829 |

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|---|---|---|---|
| 0.38 (4/22/2015) | ND<0.25 U (3/23/2015) | (0.38 - 0.25)/(10 - 9) | 0.13 |
| 0.81 (9/30/2015) | ND<0.25 U (3/23/2015) | (0.81 - 0.25)/(11 - 9) | 0.28 |
| ND<0.25 U (11/19/2015) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(12 - 9) | 0 |
| ND<0.25 U (3/15/2016) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(13 - 9) | 0 |
| 0.62 (6/29/2016) | ND<0.25 U (3/23/2015) | (0.62 - 0.25)/(14 - 9) | 0.074 |
| 0.55 (8/9/2016) | ND<0.25 U (3/23/2015) | (0.55 - 0.25)/(15 - 9) | 0.05 |
| 0.38 (12/7/2016) | ND<0.25 U (3/23/2015) | (0.38 - 0.25)/(16 - 9) | 0.0185714 |
| 0.35 (3/2/2017) | ND<0.25 U (3/23/2015) | (0.35 - 0.25)/(17 - 9) | 0.0125 |
| 0.53 (6/29/2017) | ND<0.25 U (3/23/2015) | (0.53 - 0.25)/(18 - 9) | 0.0311111 |
| 0.52 (8/16/2017) | ND<0.25 U (3/23/2015) | (0.52 - 0.25)/(19 - 9) | 0.027 |
| 0.29 (10/25/2017) | ND<0.25 U (3/23/2015) | (0.29 - 0.25)/(20 - 9) | 0.00363636 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(21 - 9) | 0 |
| 0.67 (6/29/2018) | ND<0.25 U (3/23/2015) | (0.67 - 0.25)/(22 - 9) | 0.0323077 |
| 0.495 (8/2/2018) | ND<0.25 U (3/23/2015) | (0.495 - 0.25)/(23 - 9) | 0.0175 |
| 0.336 (12/10/2018) | ND<0.25 U (3/23/2015) | (0.336 - 0.25)/(24 - 9) | 0.00573333 |
| 0.36 (4/15/2019) | ND<0.25 U (3/23/2015) | (0.36 - 0.25)/(25 - 9) | 0.006875 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(26 - 9) | 0 |
| 0.356 (8/27/2019) | ND<0.25 U (3/23/2015) | (0.356 - 0.25)/(27 - 9) | 0.00588889 |
| 0.272 (10/29/2019) | ND<0.25 U (3/23/2015) | (0.272 - 0.25)/(28 - 9) | 0.00115789 |
| ND<0.25 U (3/30/2020) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(29 - 9) | 0 |
| 0.485 (6/16/2020) | ND<0.25 U (3/23/2015) | (0.485 - 0.25)/(30 - 9) | 0.0111905 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(31 - 9) | 0 |
| 0.3 (12/17/2020) | ND<0.25 U (3/23/2015) | (0.3 - 0.25)/(32 - 9) | 0.00217391 |
| 0.58 (3/18/2021) | ND<0.25 U (3/23/2015) | (0.58 - 0.25)/(33 - 9) | 0.01375 |
| 0.402 (5/5/2021) | ND<0.25 U (3/23/2015) | (0.402 - 0.25)/(34 - 9) | 0.00608 |
| 0.353 (9/2/2021) | ND<0.25 U (3/23/2015) | (0.353 - 0.25)/(35 - 9) | 0.00396154 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/23/2015) | (0.25 - 0.25)/(36 - 9) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (3/23/2015) | (1.8 - 0.25)/(37 - 9) | 0.0553571 |
| 0.544 (4/7/2022) | ND<0.25 U (3/23/2015) | (0.544 - 0.25)/(38 - 9) | 0.0101379 |
| 0.281 (8/2/2022) | ND<0.25 U (3/23/2015) | (0.281 - 0.25)/(39 - 9) | 0.00103333 |
| 0.306 (11/16/2022) | ND<0.25 U (3/23/2015) | (0.306 - 0.25)/(40 - 9) | 0.00180645 |
| 0.281 (2/14/2023) | ND<0.25 U (3/23/2015) | (0.281 - 0.25)/(41 - 9) | 0.00096875 |
| 0.694 (5/25/2023) | ND<0.25 U (3/23/2015) | (0.694 - 0.25)/(42 - 9) | 0.0134545 |
| 0.552 (8/7/2023) | ND<0.25 U (3/23/2015) | (0.552 - 0.25)/(43 - 9) | 0.00888235 |
| 0.434 (12/12/2023) | ND<0.25 U (3/23/2015) | (0.434 - 0.25)/(44 - 9) | 0.00525714 |
| 0.542 (1/10/2024) | ND<0.25 U (3/23/2015) | (0.542 - 0.25)/(45 - 9) | 0.00811111 |
| 0.597 (5/21/2024) | ND<0.25 U (3/23/2015) | (0.597 - 0.25)/(46 - 9) | 0.00937838 |
| 0.699 (9/16/2024) | ND<0.25 U (3/23/2015) | (0.699 - 0.25)/(47 - 9) | 0.0118158 |
| 0.334 (12/11/2024) | ND<0.25 U (3/23/2015) | (0.334 - 0.25)/(48 - 9) | 0.00215385 |
| 0.416 (2/18/2025) | ND<0.25 U (3/23/2015) | (0.416 - 0.25)/(49 - 9) | 0.00415 |
| | | | |
| 0.81 (9/30/2015) | 0.38 (4/22/2015) | (0.81 - 0.38)/(11 - 10) | 0.43 |
| ND<0.25 U (11/19/2015) | 0.38 (4/22/2015) | (0.25 - 0.38)/(12 - 10) | -0.065 |
| ND<0.25 U (3/15/2016) | 0.38 (4/22/2015) | (0.25 - 0.38)/(13 - 10) | -0.0433333 |
| 0.62 (6/29/2016) | 0.38 (4/22/2015) | (0.62 - 0.38)/(14 - 10) | 0.06 |
| 0.55 (8/9/2016) | 0.38 (4/22/2015) | (0.55 - 0.38)/(15 - 10) | 0.034 |
| 0.38 (12/7/2016) | 0.38 (4/22/2015) | (0.38 - 0.38)/(16 - 10) | 0 |
| 0.35 (3/2/2017) | 0.38 (4/22/2015) | (0.35 - 0.38)/(17 - 10) | -0.00428571 |
| 0.53 (6/29/2017) | 0.38 (4/22/2015) | (0.53 - 0.38)/(18 - 10) | 0.01875 |
| 0.52 (8/16/2017) | 0.38 (4/22/2015) | (0.52 - 0.38)/(19 - 10) | 0.0155556 |
| 0.29 (10/25/2017) | 0.38 (4/22/2015) | (0.29 - 0.38)/(20 - 10) | -0.009 |
| ND<0.25 U (3/28/2018) | 0.38 (4/22/2015) | (0.25 - 0.38)/(21 - 10) | -0.0118182 |
| 0.67 (6/29/2018) | 0.38 (4/22/2015) | (0.67 - 0.38)/(22 - 10) | 0.0241667 |
| 0.495 (8/2/2018) | 0.38 (4/22/2015) | (0.495 - 0.38)/(23 - 10) | 0.00884615 |
| 0.336 (12/10/2018) | 0.38 (4/22/2015) | (0.336 - 0.38)/(24 - 10) | -0.00314286 |
| 0.36 (4/15/2019) | 0.38 (4/22/2015) | (0.36 - 0.38)/(25 - 10) | -0.00133333 |
| ND<0.25 U (6/12/2019) | 0.38 (4/22/2015) | (0.25 - 0.38)/(26 - 10) | -0.008125 |
| 0.356 (8/27/2019) | 0.38 (4/22/2015) | (0.356 - 0.38)/(27 - 10) | -0.00141176 |
| 0.272 (10/29/2019) | 0.38 (4/22/2015) | (0.272 - 0.38)/(28 - 10) | -0.006 |
| ND<0.25 U (3/30/2020) | 0.38 (4/22/2015) | (0.25 - 0.38)/(29 - 10) | -0.00684211 |
| 0.485 (6/16/2020) | 0.38 (4/22/2015) | (0.485 - 0.38)/(30 - 10) | 0.00525 |
| ND<0.25 U (9/21/2020) | 0.38 (4/22/2015) | (0.25 - 0.38)/(31 - 10) | -0.00619048 |
| 0.3 (12/17/2020) | 0.38 (4/22/2015) | (0.3 - 0.38)/(32 - 10) | -0.00363636 |
| 0.58 (3/18/2021) | 0.38 (4/22/2015) | (0.58 - 0.38)/(33 - 10) | 0.00869565 |
| 0.402 (5/5/2021) | 0.38 (4/22/2015) | (0.402 - 0.38)/(34 - 10) | 0.000916667 |
| 0.353 (9/2/2021) | 0.38 (4/22/2015) | (0.353 - 0.38)/(35 - 10) | -0.00108 |
| ND<0.25 U (11/23/2021) | 0.38 (4/22/2015) | (0.25 - 0.38)/(36 - 10) | -0.005 |
| 1.8 (1/11/2022) | 0.38 (4/22/2015) | (1.8 - 0.38)/(37 - 10) | 0.0525926 |
| 0.544 (4/7/2022) | 0.38 (4/22/2015) | (0.544 - 0.38)/(38 - 10) | 0.00585714 |
| 0.281 (8/2/2022) | 0.38 (4/22/2015) | (0.281 - 0.38)/(39 - 10) | -0.00341379 |
| 0.306 (11/16/2022) | 0.38 (4/22/2015) | (0.306 - 0.38)/(40 - 10) | -0.00246667 |
| 0.281 (2/14/2023) | 0.38 (4/22/2015) | (0.281 - 0.38)/(41 - 10) | -0.00319355 |
| 0.694 (5/25/2023) | 0.38 (4/22/2015) | (0.694 - 0.38)/(42 - 10) | 0.0098125 |
| 0.552 (8/7/2023) | 0.38 (4/22/2015) | (0.552 - 0.38)/(43 - 10) | 0.00521212 |
| 0.434 (12/12/2023) | 0.38 (4/22/2015) | (0.434 - 0.38)/(44 - 10) | 0.00158824 |
| 0.542 (1/10/2024) | 0.38 (4/22/2015) | (0.542 - 0.38)/(45 - 10) | 0.00462857 |
| 0.597 (5/21/2024) | 0.38 (4/22/2015) | (0.597 - 0.38)/(46 - 10) | 0.00602778 |
| 0.699 (9/16/2024) | 0.38 (4/22/2015) | (0.699 - 0.38)/(47 - 10) | 0.00862162 |
| 0.334 (12/11/2024) | 0.38 (4/22/2015) | (0.334 - 0.38)/(48 - 10) | -0.00121053 |
| 0.416 (2/18/2025) | 0.38 (4/22/2015) | (0.416 - 0.38)/(49 - 10) | 0.000923077 |
| | | | |
| ND<0.25 U (11/19/2015) | 0.81 (9/30/2015) | (0.25 - 0.81)/(12 - 11) | -0.56 |
| ND<0.25 U (3/15/2016) | 0.81 (9/30/2015) | (0.25 - 0.81)/(13 - 11) | -0.28 |

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|---|---|---|---|
| 0.62 (6/29/2016) | 0.81 (9/30/2015) | (0.62 - 0.81)/(14 - 11) | -0.0633333 |
| 0.55 (8/9/2016) | 0.81 (9/30/2015) | (0.55 - 0.81)/(15 - 11) | -0.065 |
| 0.38 (12/7/2016) | 0.81 (9/30/2015) | (0.38 - 0.81)/(16 - 11) | -0.086 |
| 0.35 (3/2/2017) | 0.81 (9/30/2015) | (0.35 - 0.81)/(17 - 11) | -0.0766667 |
| 0.53 (6/29/2017) | 0.81 (9/30/2015) | (0.53 - 0.81)/(18 - 11) | -0.04 |
| 0.52 (8/16/2017) | 0.81 (9/30/2015) | (0.52 - 0.81)/(19 - 11) | -0.03625 |
| 0.29 (10/25/2017) | 0.81 (9/30/2015) | (0.29 - 0.81)/(20 - 11) | -0.0577778 |
| ND<0.25 U (3/28/2018) | 0.81 (9/30/2015) | (0.25 - 0.81)/(21 - 11) | -0.056 |
| 0.67 (6/29/2018) | 0.81 (9/30/2015) | (0.67 - 0.81)/(22 - 11) | -0.0127273 |
| 0.495 (8/2/2018) | 0.81 (9/30/2015) | (0.495 - 0.81)/(23 - 11) | -0.02625 |
| 0.336 (12/10/2018) | 0.81 (9/30/2015) | (0.336 - 0.81)/(24 - 11) | -0.0364615 |
| 0.36 (4/15/2019) | 0.81 (9/30/2015) | (0.36 - 0.81)/(25 - 11) | -0.0321429 |
| ND<0.25 U (6/12/2019) | 0.81 (9/30/2015) | (0.25 - 0.81)/(26 - 11) | -0.0373333 |
| 0.356 (8/27/2019) | 0.81 (9/30/2015) | (0.356 - 0.81)/(27 - 11) | -0.028375 |
| 0.272 (10/29/2019) | 0.81 (9/30/2015) | (0.272 - 0.81)/(28 - 11) | -0.0316471 |
| ND<0.25 U (3/30/2020) | 0.81 (9/30/2015) | (0.25 - 0.81)/(29 - 11) | -0.0311111 |
| 0.485 (6/16/2020) | 0.81 (9/30/2015) | (0.485 - 0.81)/(30 - 11) | -0.0171053 |
| ND<0.25 U (9/21/2020) | 0.81 (9/30/2015) | (0.25 - 0.81)/(31 - 11) | -0.028 |
| 0.3 (12/17/2020) | 0.81 (9/30/2015) | (0.3 - 0.81)/(32 - 11) | -0.0242857 |
| 0.58 (3/18/2021) | 0.81 (9/30/2015) | (0.58 - 0.81)/(33 - 11) | -0.0104545 |
| 0.402 (5/5/2021) | 0.81 (9/30/2015) | (0.402 - 0.81)/(34 - 11) | -0.0177391 |
| 0.353 (9/2/2021) | 0.81 (9/30/2015) | (0.353 - 0.81)/(35 - 11) | -0.0190417 |
| ND<0.25 U (11/23/2021) | 0.81 (9/30/2015) | (0.25 - 0.81)/(36 - 11) | -0.0224 |
| 1.8 (1/11/2022) | 0.81 (9/30/2015) | (1.8 - 0.81)/(37 - 11) | 0.0380769 |
| 0.544 (4/7/2022) | 0.81 (9/30/2015) | (0.544 - 0.81)/(38 - 11) | -0.00985185 |
| 0.281 (8/2/2022) | 0.81 (9/30/2015) | (0.281 - 0.81)/(39 - 11) | -0.0188929 |
| 0.306 (11/16/2022) | 0.81 (9/30/2015) | (0.306 - 0.81)/(40 - 11) | -0.0173793 |
| 0.281 (2/14/2023) | 0.81 (9/30/2015) | (0.281 - 0.81)/(41 - 11) | -0.0176333 |
| 0.694 (5/25/2023) | 0.81 (9/30/2015) | (0.694 - 0.81)/(42 - 11) | -0.00374194 |
| 0.552 (8/7/2023) | 0.81 (9/30/2015) | (0.552 - 0.81)/(43 - 11) | -0.0080625 |
| 0.434 (12/12/2023) | 0.81 (9/30/2015) | (0.434 - 0.81)/(44 - 11) | -0.0113939 |
| 0.542 (1/10/2024) | 0.81 (9/30/2015) | (0.542 - 0.81)/(45 - 11) | -0.00788235 |
| 0.597 (5/21/2024) | 0.81 (9/30/2015) | (0.597 - 0.81)/(46 - 11) | -0.00608571 |
| 0.699 (9/16/2024) | 0.81 (9/30/2015) | (0.699 - 0.81)/(47 - 11) | -0.00308333 |
| 0.334 (12/11/2024) | 0.81 (9/30/2015) | (0.334 - 0.81)/(48 - 11) | -0.0128649 |
| 0.416 (2/18/2025) | 0.81 (9/30/2015) | (0.416 - 0.81)/(49 - 11) | -0.0103684 |

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|---|---|---|---|
| ND<0.25 U (3/15/2016) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(13 - 12) | 0 |
| 0.62 (6/29/2016) | ND<0.25 U (11/19/2015) | (0.62 - 0.25)/(14 - 12) | 0.185 |
| 0.55 (8/9/2016) | ND<0.25 U (11/19/2015) | (0.55 - 0.25)/(15 - 12) | 0.1 |
| 0.38 (12/7/2016) | ND<0.25 U (11/19/2015) | (0.38 - 0.25)/(16 - 12) | 0.0325 |
| 0.35 (3/2/2017) | ND<0.25 U (11/19/2015) | (0.35 - 0.25)/(17 - 12) | 0.02 |
| 0.53 (6/29/2017) | ND<0.25 U (11/19/2015) | (0.53 - 0.25)/(18 - 12) | 0.0466667 |
| 0.52 (8/16/2017) | ND<0.25 U (11/19/2015) | (0.52 - 0.25)/(19 - 12) | 0.0385714 |
| 0.29 (10/25/2017) | ND<0.25 U (11/19/2015) | (0.29 - 0.25)/(20 - 12) | 0.005 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(21 - 12) | 0 |
| 0.67 (6/29/2018) | ND<0.25 U (11/19/2015) | (0.67 - 0.25)/(22 - 12) | 0.042 |
| 0.495 (8/2/2018) | ND<0.25 U (11/19/2015) | (0.495 - 0.25)/(23 - 12) | 0.0222727 |
| 0.336 (12/10/2018) | ND<0.25 U (11/19/2015) | (0.336 - 0.25)/(24 - 12) | 0.00716667 |
| 0.36 (4/15/2019) | ND<0.25 U (11/19/2015) | (0.36 - 0.25)/(25 - 12) | 0.00846154 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(26 - 12) | 0 |
| 0.356 (8/27/2019) | ND<0.25 U (11/19/2015) | (0.356 - 0.25)/(27 - 12) | 0.00706667 |
| 0.272 (10/29/2019) | ND<0.25 U (11/19/2015) | (0.272 - 0.25)/(28 - 12) | 0.001375 |
| ND<0.25 U (3/30/2020) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(29 - 12) | 0 |
| 0.485 (6/16/2020) | ND<0.25 U (11/19/2015) | (0.485 - 0.25)/(30 - 12) | 0.0130556 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(31 - 12) | 0 |
| 0.3 (12/17/2020) | ND<0.25 U (11/19/2015) | (0.3 - 0.25)/(32 - 12) | 0.0025 |

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|---|---|---|---|
| 0.58 (3/18/2021) | ND<0.25 U (11/19/2015) | (0.58 - 0.25)/(33 - 12) | 0.0157143 |
| 0.402 (5/5/2021) | ND<0.25 U (11/19/2015) | (0.402 - 0.25)/(34 - 12) | 0.00690909 |
| 0.353 (9/2/2021) | ND<0.25 U (11/19/2015) | (0.353 - 0.25)/(35 - 12) | 0.00447826 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(36 - 12) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (11/19/2015) | (1.8 - 0.25)/(37 - 12) | 0.062 |
| 0.544 (4/7/2022) | ND<0.25 U (11/19/2015) | (0.544 - 0.25)/(38 - 12) | 0.0113077 |
| 0.281 (8/2/2022) | ND<0.25 U (11/19/2015) | (0.281 - 0.25)/(39 - 12) | 0.00114815 |
| 0.306 (11/16/2022) | ND<0.25 U (11/19/2015) | (0.306 - 0.25)/(40 - 12) | 0.002 |
| 0.281 (2/14/2023) | ND<0.25 U (11/19/2015) | (0.281 - 0.25)/(41 - 12) | 0.00106897 |
| 0.694 (5/25/2023) | ND<0.25 U (11/19/2015) | (0.694 - 0.25)/(42 - 12) | 0.0148 |
| 0.552 (8/7/2023) | ND<0.25 U (11/19/2015) | (0.552 - 0.25)/(43 - 12) | 0.00974194 |
| 0.434 (12/12/2023) | ND<0.25 U (11/19/2015) | (0.434 - 0.25)/(44 - 12) | 0.00575 |
| 0.542 (1/10/2024) | ND<0.25 U (11/19/2015) | (0.542 - 0.25)/(45 - 12) | 0.00884848 |
| 0.597 (5/21/2024) | ND<0.25 U (11/19/2015) | (0.597 - 0.25)/(46 - 12) | 0.0102059 |
| 0.699 (9/16/2024) | ND<0.25 U (11/19/2015) | (0.699 - 0.25)/(47 - 12) | 0.0128286 |
| 0.334 (12/11/2024) | ND<0.25 U (11/19/2015) | (0.334 - 0.25)/(48 - 12) | 0.00233333 |
| 0.416 (2/18/2025) | ND<0.25 U (11/19/2015) | (0.416 - 0.25)/(49 - 12) | 0.00448649 |
| | | | |
| 0.62 (6/29/2016) | ND<0.25 U (3/15/2016) | (0.62 - 0.25)/(14 - 13) | 0.37 |
| 0.55 (8/9/2016) | ND<0.25 U (3/15/2016) | (0.55 - 0.25)/(15 - 13) | 0.15 |
| 0.38 (12/7/2016) | ND<0.25 U (3/15/2016) | (0.38 - 0.25)/(16 - 13) | 0.0433333 |
| 0.35 (3/2/2017) | ND<0.25 U (3/15/2016) | (0.35 - 0.25)/(17 - 13) | 0.025 |
| 0.53 (6/29/2017) | ND<0.25 U (3/15/2016) | (0.53 - 0.25)/(18 - 13) | 0.056 |
| 0.52 (8/16/2017) | ND<0.25 U (3/15/2016) | (0.52 - 0.25)/(19 - 13) | 0.045 |
| 0.29 (10/25/2017) | ND<0.25 U (3/15/2016) | (0.29 - 0.25)/(20 - 13) | 0.00571429 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(21 - 13) | 0 |
| 0.67 (6/29/2018) | ND<0.25 U (3/15/2016) | (0.67 - 0.25)/(22 - 13) | 0.0466667 |
| 0.495 (8/2/2018) | ND<0.25 U (3/15/2016) | (0.495 - 0.25)/(23 - 13) | 0.0245 |
| 0.336 (12/10/2018) | ND<0.25 U (3/15/2016) | (0.336 - 0.25)/(24 - 13) | 0.00781818 |
| 0.36 (4/15/2019) | ND<0.25 U (3/15/2016) | (0.36 - 0.25)/(25 - 13) | 0.00916667 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(26 - 13) | 0 |
| 0.356 (8/27/2019) | ND<0.25 U (3/15/2016) | (0.356 - 0.25)/(27 - 13) | 0.00757143 |
| 0.272 (10/29/2019) | ND<0.25 U (3/15/2016) | (0.272 - 0.25)/(28 - 13) | 0.00146667 |
| ND<0.25 U (3/30/2020) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(29 - 13) | 0 |
| 0.485 (6/16/2020) | ND<0.25 U (3/15/2016) | (0.485 - 0.25)/(30 - 13) | 0.0138235 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(31 - 13) | 0 |
| 0.3 (12/17/2020) | ND<0.25 U (3/15/2016) | (0.3 - 0.25)/(32 - 13) | 0.00263158 |
| 0.58 (3/18/2021) | ND<0.25 U (3/15/2016) | (0.58 - 0.25)/(33 - 13) | 0.0165 |
| 0.402 (5/5/2021) | ND<0.25 U (3/15/2016) | (0.402 - 0.25)/(34 - 13) | 0.0072381 |
| 0.353 (9/2/2021) | ND<0.25 U (3/15/2016) | (0.353 - 0.25)/(35 - 13) | 0.00468182 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(36 - 13) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (3/15/2016) | (1.8 - 0.25)/(37 - 13) | 0.0645833 |
| 0.544 (4/7/2022) | ND<0.25 U (3/15/2016) | (0.544 - 0.25)/(38 - 13) | 0.01176 |
| 0.281 (8/2/2022) | ND<0.25 U (3/15/2016) | (0.281 - 0.25)/(39 - 13) | 0.00119231 |
| 0.306 (11/16/2022) | ND<0.25 U (3/15/2016) | (0.306 - 0.25)/(40 - 13) | 0.00207407 |
| 0.281 (2/14/2023) | ND<0.25 U (3/15/2016) | (0.281 - 0.25)/(41 - 13) | 0.00110714 |
| 0.694 (5/25/2023) | ND<0.25 U (3/15/2016) | (0.694 - 0.25)/(42 - 13) | 0.0153103 |
| 0.552 (8/7/2023) | ND<0.25 U (3/15/2016) | (0.552 - 0.25)/(43 - 13) | 0.0100667 |
| 0.434 (12/12/2023) | ND<0.25 U (3/15/2016) | (0.434 - 0.25)/(44 - 13) | 0.00593548 |
| 0.542 (1/10/2024) | ND<0.25 U (3/15/2016) | (0.542 - 0.25)/(45 - 13) | 0.009125 |
| 0.597 (5/21/2024) | ND<0.25 U (3/15/2016) | (0.597 - 0.25)/(46 - 13) | 0.0105152 |
| 0.699 (9/16/2024) | ND<0.25 U (3/15/2016) | (0.699 - 0.25)/(47 - 13) | 0.0132059 |
| 0.334 (12/11/2024) | ND<0.25 U (3/15/2016) | (0.334 - 0.25)/(48 - 13) | 0.0024 |
| 0.416 (2/18/2025) | ND<0.25 U (3/15/2016) | (0.416 - 0.25)/(49 - 13) | 0.00461111 |
| | | | |
| 0.55 (8/9/2016) | 0.62 (6/29/2016) | (0.55 - 0.62)/(15 - 14) | -0.07 |
| 0.38 (12/7/2016) | 0.62 (6/29/2016) | (0.38 - 0.62)/(16 - 14) | -0.12 |

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|---|---|---|---|
| 0.35 (3/2/2017) | 0.62 (6/29/2016) | (0.35 - 0.62)/(17 - 14) | -0.09 |
| 0.53 (6/29/2017) | 0.62 (6/29/2016) | (0.53 - 0.62)/(18 - 14) | -0.0225 |
| 0.52 (8/16/2017) | 0.62 (6/29/2016) | (0.52 - 0.62)/(19 - 14) | -0.02 |
| 0.29 (10/25/2017) | 0.62 (6/29/2016) | (0.29 - 0.62)/(20 - 14) | -0.055 |
| ND<0.25 U (3/28/2018) | 0.62 (6/29/2016) | (0.25 - 0.62)/(21 - 14) | -0.0528571 |
| 0.67 (6/29/2018) | 0.62 (6/29/2016) | (0.67 - 0.62)/(22 - 14) | 0.00625 |
| 0.495 (8/2/2018) | 0.62 (6/29/2016) | (0.495 - 0.62)/(23 - 14) | -0.0138889 |
| 0.336 (12/10/2018) | 0.62 (6/29/2016) | (0.336 - 0.62)/(24 - 14) | -0.0284 |
| 0.36 (4/15/2019) | 0.62 (6/29/2016) | (0.36 - 0.62)/(25 - 14) | -0.0236364 |
| ND<0.25 U (6/12/2019) | 0.62 (6/29/2016) | (0.25 - 0.62)/(26 - 14) | -0.0308333 |
| 0.356 (8/27/2019) | 0.62 (6/29/2016) | (0.356 - 0.62)/(27 - 14) | -0.0203077 |
| 0.272 (10/29/2019) | 0.62 (6/29/2016) | (0.272 - 0.62)/(28 - 14) | -0.0248571 |
| ND<0.25 U (3/30/2020) | 0.62 (6/29/2016) | (0.25 - 0.62)/(29 - 14) | -0.0246667 |
| 0.485 (6/16/2020) | 0.62 (6/29/2016) | (0.485 - 0.62)/(30 - 14) | -0.0084375 |
| ND<0.25 U (9/21/2020) | 0.62 (6/29/2016) | (0.25 - 0.62)/(31 - 14) | -0.0217647 |
| 0.3 (12/17/2020) | 0.62 (6/29/2016) | (0.3 - 0.62)/(32 - 14) | -0.0177778 |
| 0.58 (3/18/2021) | 0.62 (6/29/2016) | (0.58 - 0.62)/(33 - 14) | -0.00210526 |
| 0.402 (5/5/2021) | 0.62 (6/29/2016) | (0.402 - 0.62)/(34 - 14) | -0.0109 |
| 0.353 (9/2/2021) | 0.62 (6/29/2016) | (0.353 - 0.62)/(35 - 14) | -0.0127143 |
| ND<0.25 U (11/23/2021) | 0.62 (6/29/2016) | (0.25 - 0.62)/(36 - 14) | -0.0168182 |
| 1.8 (1/11/2022) | 0.62 (6/29/2016) | (1.8 - 0.62)/(37 - 14) | 0.0513043 |
| 0.544 (4/7/2022) | 0.62 (6/29/2016) | (0.544 - 0.62)/(38 - 14) | -0.00316667 |
| 0.281 (8/2/2022) | 0.62 (6/29/2016) | (0.281 - 0.62)/(39 - 14) | -0.01356 |
| 0.306 (11/16/2022) | 0.62 (6/29/2016) | (0.306 - 0.62)/(40 - 14) | -0.0120769 |
| 0.281 (2/14/2023) | 0.62 (6/29/2016) | (0.281 - 0.62)/(41 - 14) | -0.0125556 |
| 0.694 (5/25/2023) | 0.62 (6/29/2016) | (0.694 - 0.62)/(42 - 14) | 0.00264286 |
| 0.552 (8/7/2023) | 0.62 (6/29/2016) | (0.552 - 0.62)/(43 - 14) | -0.00234483 |
| 0.434 (12/12/2023) | 0.62 (6/29/2016) | (0.434 - 0.62)/(44 - 14) | -0.0062 |
| 0.542 (1/10/2024) | 0.62 (6/29/2016) | (0.542 - 0.62)/(45 - 14) | -0.00251613 |
| 0.597 (5/21/2024) | 0.62 (6/29/2016) | (0.597 - 0.62)/(46 - 14) | -0.00071875 |
| 0.699 (9/16/2024) | 0.62 (6/29/2016) | (0.699 - 0.62)/(47 - 14) | 0.00239394 |
| 0.334 (12/11/2024) | 0.62 (6/29/2016) | (0.334 - 0.62)/(48 - 14) | -0.00841176 |
| 0.416 (2/18/2025) | 0.62 (6/29/2016) | (0.416 - 0.62)/(49 - 14) | -0.00582857 |

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|---|---|---|---|
| 0.38 (12/7/2016) | 0.55 (8/9/2016) | (0.38 - 0.55)/(16 - 15) | -0.17 |
| 0.35 (3/2/2017) | 0.55 (8/9/2016) | (0.35 - 0.55)/(17 - 15) | -0.1 |
| 0.53 (6/29/2017) | 0.55 (8/9/2016) | (0.53 - 0.55)/(18 - 15) | -0.00666667 |
| 0.52 (8/16/2017) | 0.55 (8/9/2016) | (0.52 - 0.55)/(19 - 15) | -0.0075 |
| 0.29 (10/25/2017) | 0.55 (8/9/2016) | (0.29 - 0.55)/(20 - 15) | -0.052 |
| ND<0.25 U (3/28/2018) | 0.55 (8/9/2016) | (0.25 - 0.55)/(21 - 15) | -0.05 |
| 0.67 (6/29/2018) | 0.55 (8/9/2016) | (0.67 - 0.55)/(22 - 15) | 0.0171429 |
| 0.495 (8/2/2018) | 0.55 (8/9/2016) | (0.495 - 0.55)/(23 - 15) | -0.006875 |
| 0.336 (12/10/2018) | 0.55 (8/9/2016) | (0.336 - 0.55)/(24 - 15) | -0.0237778 |
| 0.36 (4/15/2019) | 0.55 (8/9/2016) | (0.36 - 0.55)/(25 - 15) | -0.019 |
| ND<0.25 U (6/12/2019) | 0.55 (8/9/2016) | (0.25 - 0.55)/(26 - 15) | -0.0272727 |
| 0.356 (8/27/2019) | 0.55 (8/9/2016) | (0.356 - 0.55)/(27 - 15) | -0.0161667 |
| 0.272 (10/29/2019) | 0.55 (8/9/2016) | (0.272 - 0.55)/(28 - 15) | -0.0213846 |
| ND<0.25 U (3/30/2020) | 0.55 (8/9/2016) | (0.25 - 0.55)/(29 - 15) | -0.0214286 |
| 0.485 (6/16/2020) | 0.55 (8/9/2016) | (0.485 - 0.55)/(30 - 15) | -0.00433333 |
| ND<0.25 U (9/21/2020) | 0.55 (8/9/2016) | (0.25 - 0.55)/(31 - 15) | -0.01875 |
| 0.3 (12/17/2020) | 0.55 (8/9/2016) | (0.3 - 0.55)/(32 - 15) | -0.0147059 |
| 0.58 (3/18/2021) | 0.55 (8/9/2016) | (0.58 - 0.55)/(33 - 15) | 0.00166667 |
| 0.402 (5/5/2021) | 0.55 (8/9/2016) | (0.402 - 0.55)/(34 - 15) | -0.00778947 |
| 0.353 (9/2/2021) | 0.55 (8/9/2016) | (0.353 - 0.55)/(35 - 15) | -0.00985 |
| ND<0.25 U (11/23/2021) | 0.55 (8/9/2016) | (0.25 - 0.55)/(36 - 15) | -0.0142857 |
| 1.8 (1/11/2022) | 0.55 (8/9/2016) | (1.8 - 0.55)/(37 - 15) | 0.0568182 |
| 0.544 (4/7/2022) | 0.55 (8/9/2016) | (0.544 - 0.55)/(38 - 15) | -0.00026087 |

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|---|---|---|---|
| 0.281 (8/2/2022) | 0.55 (8/9/2016) | (0.281 - 0.55)/(39 - 15) | -0.0112083 |
| 0.306 (11/16/2022) | 0.55 (8/9/2016) | (0.306 - 0.55)/(40 - 15) | -0.00976 |
| 0.281 (2/14/2023) | 0.55 (8/9/2016) | (0.281 - 0.55)/(41 - 15) | -0.0103462 |
| 0.694 (5/25/2023) | 0.55 (8/9/2016) | (0.694 - 0.55)/(42 - 15) | 0.00533333 |
| 0.552 (8/7/2023) | 0.55 (8/9/2016) | (0.552 - 0.55)/(43 - 15) | 7.14286e-05 |
| 0.434 (12/12/2023) | 0.55 (8/9/2016) | (0.434 - 0.55)/(44 - 15) | -0.004 |
| 0.542 (1/10/2024) | 0.55 (8/9/2016) | (0.542 - 0.55)/(45 - 15) | -0.000266667 |
| 0.597 (5/21/2024) | 0.55 (8/9/2016) | (0.597 - 0.55)/(46 - 15) | 0.00151613 |
| 0.699 (9/16/2024) | 0.55 (8/9/2016) | (0.699 - 0.55)/(47 - 15) | 0.00465625 |
| 0.334 (12/11/2024) | 0.55 (8/9/2016) | (0.334 - 0.55)/(48 - 15) | -0.00654545 |
| 0.416 (2/18/2025) | 0.55 (8/9/2016) | (0.416 - 0.55)/(49 - 15) | -0.00394118 |
| | | | |
| 0.35 (3/2/2017) | 0.38 (12/7/2016) | (0.35 - 0.38)/(17 - 16) | -0.03 |
| 0.53 (6/29/2017) | 0.38 (12/7/2016) | (0.53 - 0.38)/(18 - 16) | 0.075 |
| 0.52 (8/16/2017) | 0.38 (12/7/2016) | (0.52 - 0.38)/(19 - 16) | 0.0466667 |
| 0.29 (10/25/2017) | 0.38 (12/7/2016) | (0.29 - 0.38)/(20 - 16) | -0.0225 |
| ND<0.25 U (3/28/2018) | 0.38 (12/7/2016) | (0.25 - 0.38)/(21 - 16) | -0.026 |
| 0.67 (6/29/2018) | 0.38 (12/7/2016) | (0.67 - 0.38)/(22 - 16) | 0.0483333 |
| 0.495 (8/2/2018) | 0.38 (12/7/2016) | (0.495 - 0.38)/(23 - 16) | 0.0164286 |
| 0.336 (12/10/2018) | 0.38 (12/7/2016) | (0.336 - 0.38)/(24 - 16) | -0.0055 |
| 0.36 (4/15/2019) | 0.38 (12/7/2016) | (0.36 - 0.38)/(25 - 16) | -0.00222222 |
| ND<0.25 U (6/12/2019) | 0.38 (12/7/2016) | (0.25 - 0.38)/(26 - 16) | -0.013 |
| 0.356 (8/27/2019) | 0.38 (12/7/2016) | (0.356 - 0.38)/(27 - 16) | -0.00218182 |
| 0.272 (10/29/2019) | 0.38 (12/7/2016) | (0.272 - 0.38)/(28 - 16) | -0.009 |
| ND<0.25 U (3/30/2020) | 0.38 (12/7/2016) | (0.25 - 0.38)/(29 - 16) | -0.01 |
| 0.485 (6/16/2020) | 0.38 (12/7/2016) | (0.485 - 0.38)/(30 - 16) | 0.0075 |
| ND<0.25 U (9/21/2020) | 0.38 (12/7/2016) | (0.25 - 0.38)/(31 - 16) | -0.00866667 |
| 0.3 (12/17/2020) | 0.38 (12/7/2016) | (0.3 - 0.38)/(32 - 16) | -0.005 |
| 0.58 (3/18/2021) | 0.38 (12/7/2016) | (0.58 - 0.38)/(33 - 16) | 0.0117647 |
| 0.402 (5/5/2021) | 0.38 (12/7/2016) | (0.402 - 0.38)/(34 - 16) | 0.00122222 |
| 0.353 (9/2/2021) | 0.38 (12/7/2016) | (0.353 - 0.38)/(35 - 16) | -0.00142105 |
| ND<0.25 U (11/23/2021) | 0.38 (12/7/2016) | (0.25 - 0.38)/(36 - 16) | -0.0065 |
| 1.8 (1/11/2022) | 0.38 (12/7/2016) | (1.8 - 0.38)/(37 - 16) | 0.067619 |
| 0.544 (4/7/2022) | 0.38 (12/7/2016) | (0.544 - 0.38)/(38 - 16) | 0.00745455 |
| 0.281 (8/2/2022) | 0.38 (12/7/2016) | (0.281 - 0.38)/(39 - 16) | -0.00430435 |
| 0.306 (11/16/2022) | 0.38 (12/7/2016) | (0.306 - 0.38)/(40 - 16) | -0.00308333 |
| 0.281 (2/14/2023) | 0.38 (12/7/2016) | (0.281 - 0.38)/(41 - 16) | -0.00396 |
| 0.694 (5/25/2023) | 0.38 (12/7/2016) | (0.694 - 0.38)/(42 - 16) | 0.0120769 |
| 0.552 (8/7/2023) | 0.38 (12/7/2016) | (0.552 - 0.38)/(43 - 16) | 0.00637037 |
| 0.434 (12/12/2023) | 0.38 (12/7/2016) | (0.434 - 0.38)/(44 - 16) | 0.00192857 |
| 0.542 (1/10/2024) | 0.38 (12/7/2016) | (0.542 - 0.38)/(45 - 16) | 0.00558621 |
| 0.597 (5/21/2024) | 0.38 (12/7/2016) | (0.597 - 0.38)/(46 - 16) | 0.00723333 |
| 0.699 (9/16/2024) | 0.38 (12/7/2016) | (0.699 - 0.38)/(47 - 16) | 0.0102903 |
| 0.334 (12/11/2024) | 0.38 (12/7/2016) | (0.334 - 0.38)/(48 - 16) | -0.0014375 |
| 0.416 (2/18/2025) | 0.38 (12/7/2016) | (0.416 - 0.38)/(49 - 16) | 0.00109091 |
| | | | |
| 0.53 (6/29/2017) | 0.35 (3/2/2017) | (0.53 - 0.35)/(18 - 17) | 0.18 |
| 0.52 (8/16/2017) | 0.35 (3/2/2017) | (0.52 - 0.35)/(19 - 17) | 0.085 |
| 0.29 (10/25/2017) | 0.35 (3/2/2017) | (0.29 - 0.35)/(20 - 17) | -0.02 |
| ND<0.25 U (3/28/2018) | 0.35 (3/2/2017) | (0.25 - 0.35)/(21 - 17) | -0.025 |
| 0.67 (6/29/2018) | 0.35 (3/2/2017) | (0.67 - 0.35)/(22 - 17) | 0.064 |
| 0.495 (8/2/2018) | 0.35 (3/2/2017) | (0.495 - 0.35)/(23 - 17) | 0.0241667 |
| 0.336 (12/10/2018) | 0.35 (3/2/2017) | (0.336 - 0.35)/(24 - 17) | -0.002 |
| 0.36 (4/15/2019) | 0.35 (3/2/2017) | (0.36 - 0.35)/(25 - 17) | 0.00125 |
| ND<0.25 U (6/12/2019) | 0.35 (3/2/2017) | (0.25 - 0.35)/(26 - 17) | -0.0111111 |
| 0.356 (8/27/2019) | 0.35 (3/2/2017) | (0.356 - 0.35)/(27 - 17) | 0.0006 |
| 0.272 (10/29/2019) | 0.35 (3/2/2017) | (0.272 - 0.35)/(28 - 17) | -0.00709091 |

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|---|---|---|---|
| ND<0.25 U (3/30/2020) | 0.35 (3/2/2017) | (0.25 - 0.35)/(29 - 17) | -0.00833333 |
| 0.485 (6/16/2020) | 0.35 (3/2/2017) | (0.485 - 0.35)/(30 - 17) | 0.0103846 |
| ND<0.25 U (9/21/2020) | 0.35 (3/2/2017) | (0.25 - 0.35)/(31 - 17) | -0.00714286 |
| 0.3 (12/17/2020) | 0.35 (3/2/2017) | (0.3 - 0.35)/(32 - 17) | -0.00333333 |
| 0.58 (3/18/2021) | 0.35 (3/2/2017) | (0.58 - 0.35)/(33 - 17) | 0.014375 |
| 0.402 (5/5/2021) | 0.35 (3/2/2017) | (0.402 - 0.35)/(34 - 17) | 0.00305882 |
| 0.353 (9/2/2021) | 0.35 (3/2/2017) | (0.353 - 0.35)/(35 - 17) | 0.000166667 |
| ND<0.25 U (11/23/2021) | 0.35 (3/2/2017) | (0.25 - 0.35)/(36 - 17) | -0.00526316 |
| 1.8 (1/11/2022) | 0.35 (3/2/2017) | (1.8 - 0.35)/(37 - 17) | 0.0725 |
| 0.544 (4/7/2022) | 0.35 (3/2/2017) | (0.544 - 0.35)/(38 - 17) | 0.0092381 |
| 0.281 (8/2/2022) | 0.35 (3/2/2017) | (0.281 - 0.35)/(39 - 17) | -0.00313636 |
| 0.306 (11/16/2022) | 0.35 (3/2/2017) | (0.306 - 0.35)/(40 - 17) | -0.00191304 |
| 0.281 (2/14/2023) | 0.35 (3/2/2017) | (0.281 - 0.35)/(41 - 17) | -0.002875 |
| 0.694 (5/25/2023) | 0.35 (3/2/2017) | (0.694 - 0.35)/(42 - 17) | 0.01376 |
| 0.552 (8/7/2023) | 0.35 (3/2/2017) | (0.552 - 0.35)/(43 - 17) | 0.00776923 |
| 0.434 (12/12/2023) | 0.35 (3/2/2017) | (0.434 - 0.35)/(44 - 17) | 0.00311111 |
| 0.542 (1/10/2024) | 0.35 (3/2/2017) | (0.542 - 0.35)/(45 - 17) | 0.00685714 |
| 0.597 (5/21/2024) | 0.35 (3/2/2017) | (0.597 - 0.35)/(46 - 17) | 0.00851724 |
| 0.699 (9/16/2024) | 0.35 (3/2/2017) | (0.699 - 0.35)/(47 - 17) | 0.0116333 |
| 0.334 (12/11/2024) | 0.35 (3/2/2017) | (0.334 - 0.35)/(48 - 17) | -0.000516129 |
| 0.416 (2/18/2025) | 0.35 (3/2/2017) | (0.416 - 0.35)/(49 - 17) | 0.0020625 |
| | | | |
| 0.52 (8/16/2017) | 0.53 (6/29/2017) | (0.52 - 0.53)/(19 - 18) | -0.01 |
| 0.29 (10/25/2017) | 0.53 (6/29/2017) | (0.29 - 0.53)/(20 - 18) | -0.12 |
| ND<0.25 U (3/28/2018) | 0.53 (6/29/2017) | (0.25 - 0.53)/(21 - 18) | -0.0933333 |
| 0.67 (6/29/2018) | 0.53 (6/29/2017) | (0.67 - 0.53)/(22 - 18) | 0.035 |
| 0.495 (8/2/2018) | 0.53 (6/29/2017) | (0.495 - 0.53)/(23 - 18) | -0.007 |
| 0.336 (12/10/2018) | 0.53 (6/29/2017) | (0.336 - 0.53)/(24 - 18) | -0.0323333 |
| 0.36 (4/15/2019) | 0.53 (6/29/2017) | (0.36 - 0.53)/(25 - 18) | -0.0242857 |
| ND<0.25 U (6/12/2019) | 0.53 (6/29/2017) | (0.25 - 0.53)/(26 - 18) | -0.035 |
| 0.356 (8/27/2019) | 0.53 (6/29/2017) | (0.356 - 0.53)/(27 - 18) | -0.0193333 |
| 0.272 (10/29/2019) | 0.53 (6/29/2017) | (0.272 - 0.53)/(28 - 18) | -0.0258 |
| ND<0.25 U (3/30/2020) | 0.53 (6/29/2017) | (0.25 - 0.53)/(29 - 18) | -0.0254545 |
| 0.485 (6/16/2020) | 0.53 (6/29/2017) | (0.485 - 0.53)/(30 - 18) | -0.00375 |
| ND<0.25 U (9/21/2020) | 0.53 (6/29/2017) | (0.25 - 0.53)/(31 - 18) | -0.0215385 |
| 0.3 (12/17/2020) | 0.53 (6/29/2017) | (0.3 - 0.53)/(32 - 18) | -0.0164286 |
| 0.58 (3/18/2021) | 0.53 (6/29/2017) | (0.58 - 0.53)/(33 - 18) | 0.00333333 |
| 0.402 (5/5/2021) | 0.53 (6/29/2017) | (0.402 - 0.53)/(34 - 18) | -0.008 |
| 0.353 (9/2/2021) | 0.53 (6/29/2017) | (0.353 - 0.53)/(35 - 18) | -0.0104118 |
| ND<0.25 U (11/23/2021) | 0.53 (6/29/2017) | (0.25 - 0.53)/(36 - 18) | -0.0155556 |
| 1.8 (1/11/2022) | 0.53 (6/29/2017) | (1.8 - 0.53)/(37 - 18) | 0.0668421 |
| 0.544 (4/7/2022) | 0.53 (6/29/2017) | (0.544 - 0.53)/(38 - 18) | 0.0007 |
| 0.281 (8/2/2022) | 0.53 (6/29/2017) | (0.281 - 0.53)/(39 - 18) | -0.0118571 |
| 0.306 (11/16/2022) | 0.53 (6/29/2017) | (0.306 - 0.53)/(40 - 18) | -0.0101818 |
| 0.281 (2/14/2023) | 0.53 (6/29/2017) | (0.281 - 0.53)/(41 - 18) | -0.0108261 |
| 0.694 (5/25/2023) | 0.53 (6/29/2017) | (0.694 - 0.53)/(42 - 18) | 0.00683333 |
| 0.552 (8/7/2023) | 0.53 (6/29/2017) | (0.552 - 0.53)/(43 - 18) | 0.00088 |
| 0.434 (12/12/2023) | 0.53 (6/29/2017) | (0.434 - 0.53)/(44 - 18) | -0.00369231 |
| 0.542 (1/10/2024) | 0.53 (6/29/2017) | (0.542 - 0.53)/(45 - 18) | 0.000444444 |
| 0.597 (5/21/2024) | 0.53 (6/29/2017) | (0.597 - 0.53)/(46 - 18) | 0.00239286 |
| 0.699 (9/16/2024) | 0.53 (6/29/2017) | (0.699 - 0.53)/(47 - 18) | 0.00582759 |
| 0.334 (12/11/2024) | 0.53 (6/29/2017) | (0.334 - 0.53)/(48 - 18) | -0.00653333 |
| 0.416 (2/18/2025) | 0.53 (6/29/2017) | (0.416 - 0.53)/(49 - 18) | -0.00367742 |
| | | | |
| 0.29 (10/25/2017) | 0.52 (8/16/2017) | (0.29 - 0.52)/(20 - 19) | -0.23 |
| ND<0.25 U (3/28/2018) | 0.52 (8/16/2017) | (0.25 - 0.52)/(21 - 19) | -0.135 |
| 0.67 (6/29/2018) | 0.52 (8/16/2017) | (0.67 - 0.52)/(22 - 19) | 0.05 |

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|---|---|---|---|
| 0.495 (8/2/2018) | 0.52 (8/16/2017) | (0.495 - 0.52)/(23 - 19) | -0.00625 |
| 0.336 (12/10/2018) | 0.52 (8/16/2017) | (0.336 - 0.52)/(24 - 19) | -0.0368 |
| 0.36 (4/15/2019) | 0.52 (8/16/2017) | (0.36 - 0.52)/(25 - 19) | -0.0266667 |
| ND<0.25 U (6/12/2019) | 0.52 (8/16/2017) | (0.25 - 0.52)/(26 - 19) | -0.0385714 |
| 0.356 (8/27/2019) | 0.52 (8/16/2017) | (0.356 - 0.52)/(27 - 19) | -0.0205 |
| 0.272 (10/29/2019) | 0.52 (8/16/2017) | (0.272 - 0.52)/(28 - 19) | -0.0275556 |
| ND<0.25 U (3/30/2020) | 0.52 (8/16/2017) | (0.25 - 0.52)/(29 - 19) | -0.027 |
| 0.485 (6/16/2020) | 0.52 (8/16/2017) | (0.485 - 0.52)/(30 - 19) | -0.00318182 |
| ND<0.25 U (9/21/2020) | 0.52 (8/16/2017) | (0.25 - 0.52)/(31 - 19) | -0.0225 |
| 0.3 (12/17/2020) | 0.52 (8/16/2017) | (0.3 - 0.52)/(32 - 19) | -0.0169231 |
| 0.58 (3/18/2021) | 0.52 (8/16/2017) | (0.58 - 0.52)/(33 - 19) | 0.00428571 |
| 0.402 (5/5/2021) | 0.52 (8/16/2017) | (0.402 - 0.52)/(34 - 19) | -0.00786667 |
| 0.353 (9/2/2021) | 0.52 (8/16/2017) | (0.353 - 0.52)/(35 - 19) | -0.0104375 |
| ND<0.25 U (11/23/2021) | 0.52 (8/16/2017) | (0.25 - 0.52)/(36 - 19) | -0.0158824 |
| 1.8 (1/11/2022) | 0.52 (8/16/2017) | (1.8 - 0.52)/(37 - 19) | 0.0711111 |
| 0.544 (4/7/2022) | 0.52 (8/16/2017) | (0.544 - 0.52)/(38 - 19) | 0.00126316 |
| 0.281 (8/2/2022) | 0.52 (8/16/2017) | (0.281 - 0.52)/(39 - 19) | -0.01195 |
| 0.306 (11/16/2022) | 0.52 (8/16/2017) | (0.306 - 0.52)/(40 - 19) | -0.0101905 |
| 0.281 (2/14/2023) | 0.52 (8/16/2017) | (0.281 - 0.52)/(41 - 19) | -0.0108636 |
| 0.694 (5/25/2023) | 0.52 (8/16/2017) | (0.694 - 0.52)/(42 - 19) | 0.00756522 |
| 0.552 (8/7/2023) | 0.52 (8/16/2017) | (0.552 - 0.52)/(43 - 19) | 0.00133333 |
| 0.434 (12/12/2023) | 0.52 (8/16/2017) | (0.434 - 0.52)/(44 - 19) | -0.00344 |
| 0.542 (1/10/2024) | 0.52 (8/16/2017) | (0.542 - 0.52)/(45 - 19) | 0.000846154 |
| 0.597 (5/21/2024) | 0.52 (8/16/2017) | (0.597 - 0.52)/(46 - 19) | 0.00285185 |
| 0.699 (9/16/2024) | 0.52 (8/16/2017) | (0.699 - 0.52)/(47 - 19) | 0.00639286 |
| 0.334 (12/11/2024) | 0.52 (8/16/2017) | (0.334 - 0.52)/(48 - 19) | -0.00641379 |
| 0.416 (2/18/2025) | 0.52 (8/16/2017) | (0.416 - 0.52)/(49 - 19) | -0.00346667 |

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|---|---|---|---|
| ND<0.25 U (3/28/2018) | 0.29 (10/25/2017) | (0.25 - 0.29)/(21 - 20) | -0.04 |
| 0.67 (6/29/2018) | 0.29 (10/25/2017) | (0.67 - 0.29)/(22 - 20) | 0.19 |
| 0.495 (8/2/2018) | 0.29 (10/25/2017) | (0.495 - 0.29)/(23 - 20) | 0.0683333 |
| 0.336 (12/10/2018) | 0.29 (10/25/2017) | (0.336 - 0.29)/(24 - 20) | 0.0115 |
| 0.36 (4/15/2019) | 0.29 (10/25/2017) | (0.36 - 0.29)/(25 - 20) | 0.014 |
| ND<0.25 U (6/12/2019) | 0.29 (10/25/2017) | (0.25 - 0.29)/(26 - 20) | -0.00666667 |
| 0.356 (8/27/2019) | 0.29 (10/25/2017) | (0.356 - 0.29)/(27 - 20) | 0.00942857 |
| 0.272 (10/29/2019) | 0.29 (10/25/2017) | (0.272 - 0.29)/(28 - 20) | -0.00225 |
| ND<0.25 U (3/30/2020) | 0.29 (10/25/2017) | (0.25 - 0.29)/(29 - 20) | -0.00444444 |
| 0.485 (6/16/2020) | 0.29 (10/25/2017) | (0.485 - 0.29)/(30 - 20) | 0.0195 |
| ND<0.25 U (9/21/2020) | 0.29 (10/25/2017) | (0.25 - 0.29)/(31 - 20) | -0.00363636 |
| 0.3 (12/17/2020) | 0.29 (10/25/2017) | (0.3 - 0.29)/(32 - 20) | 0.000833333 |
| 0.58 (3/18/2021) | 0.29 (10/25/2017) | (0.58 - 0.29)/(33 - 20) | 0.0223077 |
| 0.402 (5/5/2021) | 0.29 (10/25/2017) | (0.402 - 0.29)/(34 - 20) | 0.008 |
| 0.353 (9/2/2021) | 0.29 (10/25/2017) | (0.353 - 0.29)/(35 - 20) | 0.0042 |
| ND<0.25 U (11/23/2021) | 0.29 (10/25/2017) | (0.25 - 0.29)/(36 - 20) | -0.0025 |
| 1.8 (1/11/2022) | 0.29 (10/25/2017) | (1.8 - 0.29)/(37 - 20) | 0.0888235 |
| 0.544 (4/7/2022) | 0.29 (10/25/2017) | (0.544 - 0.29)/(38 - 20) | 0.0141111 |
| 0.281 (8/2/2022) | 0.29 (10/25/2017) | (0.281 - 0.29)/(39 - 20) | -0.000473684 |
| 0.306 (11/16/2022) | 0.29 (10/25/2017) | (0.306 - 0.29)/(40 - 20) | 0.0008 |
| 0.281 (2/14/2023) | 0.29 (10/25/2017) | (0.281 - 0.29)/(41 - 20) | -0.000428571 |
| 0.694 (5/25/2023) | 0.29 (10/25/2017) | (0.694 - 0.29)/(42 - 20) | 0.0183636 |
| 0.552 (8/7/2023) | 0.29 (10/25/2017) | (0.552 - 0.29)/(43 - 20) | 0.0113913 |
| 0.434 (12/12/2023) | 0.29 (10/25/2017) | (0.434 - 0.29)/(44 - 20) | 0.006 |
| 0.542 (1/10/2024) | 0.29 (10/25/2017) | (0.542 - 0.29)/(45 - 20) | 0.01008 |
| 0.597 (5/21/2024) | 0.29 (10/25/2017) | (0.597 - 0.29)/(46 - 20) | 0.0118077 |
| 0.699 (9/16/2024) | 0.29 (10/25/2017) | (0.699 - 0.29)/(47 - 20) | 0.0151481 |
| 0.334 (12/11/2024) | 0.29 (10/25/2017) | (0.334 - 0.29)/(48 - 20) | 0.00157143 |
| 0.416 (2/18/2025) | 0.29 (10/25/2017) | (0.416 - 0.29)/(49 - 20) | 0.00434483 |

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|---|---|---|---|
| 0.67 (6/29/2018) | ND<0.25 U (3/28/2018) | (0.67 - 0.25)/(22 - 21) | 0.42 |
| 0.495 (8/2/2018) | ND<0.25 U (3/28/2018) | (0.495 - 0.25)/(23 - 21) | 0.1225 |
| 0.336 (12/10/2018) | ND<0.25 U (3/28/2018) | (0.336 - 0.25)/(24 - 21) | 0.0286667 |
| 0.36 (4/15/2019) | ND<0.25 U (3/28/2018) | (0.36 - 0.25)/(25 - 21) | 0.0275 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(26 - 21) | 0 |
| 0.356 (8/27/2019) | ND<0.25 U (3/28/2018) | (0.356 - 0.25)/(27 - 21) | 0.0176667 |
| 0.272 (10/29/2019) | ND<0.25 U (3/28/2018) | (0.272 - 0.25)/(28 - 21) | 0.00314286 |
| ND<0.25 U (3/30/2020) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(29 - 21) | 0 |
| 0.485 (6/16/2020) | ND<0.25 U (3/28/2018) | (0.485 - 0.25)/(30 - 21) | 0.0261111 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(31 - 21) | 0 |
| 0.3 (12/17/2020) | ND<0.25 U (3/28/2018) | (0.3 - 0.25)/(32 - 21) | 0.00454545 |
| 0.58 (3/18/2021) | ND<0.25 U (3/28/2018) | (0.58 - 0.25)/(33 - 21) | 0.0275 |
| 0.402 (5/5/2021) | ND<0.25 U (3/28/2018) | (0.402 - 0.25)/(34 - 21) | 0.0116923 |
| 0.353 (9/2/2021) | ND<0.25 U (3/28/2018) | (0.353 - 0.25)/(35 - 21) | 0.00735714 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(36 - 21) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (3/28/2018) | (1.8 - 0.25)/(37 - 21) | 0.096875 |
| 0.544 (4/7/2022) | ND<0.25 U (3/28/2018) | (0.544 - 0.25)/(38 - 21) | 0.0172941 |
| 0.281 (8/2/2022) | ND<0.25 U (3/28/2018) | (0.281 - 0.25)/(39 - 21) | 0.00172222 |
| 0.306 (11/16/2022) | ND<0.25 U (3/28/2018) | (0.306 - 0.25)/(40 - 21) | 0.00294737 |
| 0.281 (2/14/2023) | ND<0.25 U (3/28/2018) | (0.281 - 0.25)/(41 - 21) | 0.00155 |
| 0.694 (5/25/2023) | ND<0.25 U (3/28/2018) | (0.694 - 0.25)/(42 - 21) | 0.0211429 |
| 0.552 (8/7/2023) | ND<0.25 U (3/28/2018) | (0.552 - 0.25)/(43 - 21) | 0.0137273 |
| 0.434 (12/12/2023) | ND<0.25 U (3/28/2018) | (0.434 - 0.25)/(44 - 21) | 0.008 |
| 0.542 (1/10/2024) | ND<0.25 U (3/28/2018) | (0.542 - 0.25)/(45 - 21) | 0.0121667 |
| 0.597 (5/21/2024) | ND<0.25 U (3/28/2018) | (0.597 - 0.25)/(46 - 21) | 0.01388 |
| 0.699 (9/16/2024) | ND<0.25 U (3/28/2018) | (0.699 - 0.25)/(47 - 21) | 0.0172692 |
| 0.334 (12/11/2024) | ND<0.25 U (3/28/2018) | (0.334 - 0.25)/(48 - 21) | 0.00311111 |
| 0.416 (2/18/2025) | ND<0.25 U (3/28/2018) | (0.416 - 0.25)/(49 - 21) | 0.00592857 |
| | | | |
| 0.495 (8/2/2018) | 0.67 (6/29/2018) | (0.495 - 0.67)/(23 - 22) | -0.175 |
| 0.336 (12/10/2018) | 0.67 (6/29/2018) | (0.336 - 0.67)/(24 - 22) | -0.167 |
| 0.36 (4/15/2019) | 0.67 (6/29/2018) | (0.36 - 0.67)/(25 - 22) | -0.103333 |
| ND<0.25 U (6/12/2019) | 0.67 (6/29/2018) | (0.25 - 0.67)/(26 - 22) | -0.105 |
| 0.356 (8/27/2019) | 0.67 (6/29/2018) | (0.356 - 0.67)/(27 - 22) | -0.0628 |
| 0.272 (10/29/2019) | 0.67 (6/29/2018) | (0.272 - 0.67)/(28 - 22) | -0.0663333 |
| ND<0.25 U (3/30/2020) | 0.67 (6/29/2018) | (0.25 - 0.67)/(29 - 22) | -0.06 |
| 0.485 (6/16/2020) | 0.67 (6/29/2018) | (0.485 - 0.67)/(30 - 22) | -0.023125 |
| ND<0.25 U (9/21/2020) | 0.67 (6/29/2018) | (0.25 - 0.67)/(31 - 22) | -0.0466667 |
| 0.3 (12/17/2020) | 0.67 (6/29/2018) | (0.3 - 0.67)/(32 - 22) | -0.037 |
| 0.58 (3/18/2021) | 0.67 (6/29/2018) | (0.58 - 0.67)/(33 - 22) | -0.00818182 |
| 0.402 (5/5/2021) | 0.67 (6/29/2018) | (0.402 - 0.67)/(34 - 22) | -0.0223333 |
| 0.353 (9/2/2021) | 0.67 (6/29/2018) | (0.353 - 0.67)/(35 - 22) | -0.0243846 |
| ND<0.25 U (11/23/2021) | 0.67 (6/29/2018) | (0.25 - 0.67)/(36 - 22) | -0.03 |
| 1.8 (1/11/2022) | 0.67 (6/29/2018) | (1.8 - 0.67)/(37 - 22) | 0.0753333 |
| 0.544 (4/7/2022) | 0.67 (6/29/2018) | (0.544 - 0.67)/(38 - 22) | -0.007875 |
| 0.281 (8/2/2022) | 0.67 (6/29/2018) | (0.281 - 0.67)/(39 - 22) | -0.0228824 |
| 0.306 (11/16/2022) | 0.67 (6/29/2018) | (0.306 - 0.67)/(40 - 22) | -0.0202222 |
| 0.281 (2/14/2023) | 0.67 (6/29/2018) | (0.281 - 0.67)/(41 - 22) | -0.0204737 |
| 0.694 (5/25/2023) | 0.67 (6/29/2018) | (0.694 - 0.67)/(42 - 22) | 0.0012 |
| 0.552 (8/7/2023) | 0.67 (6/29/2018) | (0.552 - 0.67)/(43 - 22) | -0.00561905 |
| 0.434 (12/12/2023) | 0.67 (6/29/2018) | (0.434 - 0.67)/(44 - 22) | -0.0107273 |
| 0.542 (1/10/2024) | 0.67 (6/29/2018) | (0.542 - 0.67)/(45 - 22) | -0.00556522 |
| 0.597 (5/21/2024) | 0.67 (6/29/2018) | (0.597 - 0.67)/(46 - 22) | -0.00304167 |
| 0.699 (9/16/2024) | 0.67 (6/29/2018) | (0.699 - 0.67)/(47 - 22) | 0.00116 |
| 0.334 (12/11/2024) | 0.67 (6/29/2018) | (0.334 - 0.67)/(48 - 22) | -0.0129231 |
| 0.416 (2/18/2025) | 0.67 (6/29/2018) | (0.416 - 0.67)/(49 - 22) | -0.00940741 |

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|---|---|---|---|
| 0.336 (12/10/2018) | 0.495 (8/2/2018) | (0.336 - 0.495)/(24 - 23) | -0.159 |
| 0.36 (4/15/2019) | 0.495 (8/2/2018) | (0.36 - 0.495)/(25 - 23) | -0.0675 |
| ND<0.25 U (6/12/2019) | 0.495 (8/2/2018) | (0.25 - 0.495)/(26 - 23) | -0.0816667 |
| 0.356 (8/27/2019) | 0.495 (8/2/2018) | (0.356 - 0.495)/(27 - 23) | -0.03475 |
| 0.272 (10/29/2019) | 0.495 (8/2/2018) | (0.272 - 0.495)/(28 - 23) | -0.0446 |
| ND<0.25 U (3/30/2020) | 0.495 (8/2/2018) | (0.25 - 0.495)/(29 - 23) | -0.0408333 |
| 0.485 (6/16/2020) | 0.495 (8/2/2018) | (0.485 - 0.495)/(30 - 23) | -0.00142857 |
| ND<0.25 U (9/21/2020) | 0.495 (8/2/2018) | (0.25 - 0.495)/(31 - 23) | -0.030625 |
| 0.3 (12/17/2020) | 0.495 (8/2/2018) | (0.3 - 0.495)/(32 - 23) | -0.0216667 |
| 0.58 (3/18/2021) | 0.495 (8/2/2018) | (0.58 - 0.495)/(33 - 23) | 0.0085 |
| 0.402 (5/5/2021) | 0.495 (8/2/2018) | (0.402 - 0.495)/(34 - 23) | -0.00845455 |
| 0.353 (9/2/2021) | 0.495 (8/2/2018) | (0.353 - 0.495)/(35 - 23) | -0.0118333 |
| ND<0.25 U (11/23/2021) | 0.495 (8/2/2018) | (0.25 - 0.495)/(36 - 23) | -0.0188462 |
| 1.8 (1/11/2022) | 0.495 (8/2/2018) | (1.8 - 0.495)/(37 - 23) | 0.0932143 |
| 0.544 (4/7/2022) | 0.495 (8/2/2018) | (0.544 - 0.495)/(38 - 23) | 0.00326667 |
| 0.281 (8/2/2022) | 0.495 (8/2/2018) | (0.281 - 0.495)/(39 - 23) | -0.013375 |
| 0.306 (11/16/2022) | 0.495 (8/2/2018) | (0.306 - 0.495)/(40 - 23) | -0.0111176 |
| 0.281 (2/14/2023) | 0.495 (8/2/2018) | (0.281 - 0.495)/(41 - 23) | -0.0118889 |
| 0.694 (5/25/2023) | 0.495 (8/2/2018) | (0.694 - 0.495)/(42 - 23) | 0.0104737 |
| 0.552 (8/7/2023) | 0.495 (8/2/2018) | (0.552 - 0.495)/(43 - 23) | 0.00285 |
| 0.434 (12/12/2023) | 0.495 (8/2/2018) | (0.434 - 0.495)/(44 - 23) | -0.00290476 |
| 0.542 (1/10/2024) | 0.495 (8/2/2018) | (0.542 - 0.495)/(45 - 23) | 0.00213636 |
| 0.597 (5/21/2024) | 0.495 (8/2/2018) | (0.597 - 0.495)/(46 - 23) | 0.00443478 |
| 0.699 (9/16/2024) | 0.495 (8/2/2018) | (0.699 - 0.495)/(47 - 23) | 0.0085 |
| 0.334 (12/11/2024) | 0.495 (8/2/2018) | (0.334 - 0.495)/(48 - 23) | -0.00644 |
| 0.416 (2/18/2025) | 0.495 (8/2/2018) | (0.416 - 0.495)/(49 - 23) | -0.00303846 |
| | | | |
| 0.36 (4/15/2019) | 0.336 (12/10/2018) | (0.36 - 0.336)/(25 - 24) | 0.024 |
| ND<0.25 U (6/12/2019) | 0.336 (12/10/2018) | (0.25 - 0.336)/(26 - 24) | -0.043 |
| 0.356 (8/27/2019) | 0.336 (12/10/2018) | (0.356 - 0.336)/(27 - 24) | 0.00666667 |
| 0.272 (10/29/2019) | 0.336 (12/10/2018) | (0.272 - 0.336)/(28 - 24) | -0.016 |
| ND<0.25 U (3/30/2020) | 0.336 (12/10/2018) | (0.25 - 0.336)/(29 - 24) | -0.0172 |
| 0.485 (6/16/2020) | 0.336 (12/10/2018) | (0.485 - 0.336)/(30 - 24) | 0.0248333 |
| ND<0.25 U (9/21/2020) | 0.336 (12/10/2018) | (0.25 - 0.336)/(31 - 24) | -0.0122857 |
| 0.3 (12/17/2020) | 0.336 (12/10/2018) | (0.3 - 0.336)/(32 - 24) | -0.0045 |
| 0.58 (3/18/2021) | 0.336 (12/10/2018) | (0.58 - 0.336)/(33 - 24) | 0.0271111 |
| 0.402 (5/5/2021) | 0.336 (12/10/2018) | (0.402 - 0.336)/(34 - 24) | 0.0066 |
| 0.353 (9/2/2021) | 0.336 (12/10/2018) | (0.353 - 0.336)/(35 - 24) | 0.00154545 |
| ND<0.25 U (11/23/2021) | 0.336 (12/10/2018) | (0.25 - 0.336)/(36 - 24) | -0.00716667 |
| 1.8 (1/11/2022) | 0.336 (12/10/2018) | (1.8 - 0.336)/(37 - 24) | 0.112615 |
| 0.544 (4/7/2022) | 0.336 (12/10/2018) | (0.544 - 0.336)/(38 - 24) | 0.0148571 |
| 0.281 (8/2/2022) | 0.336 (12/10/2018) | (0.281 - 0.336)/(39 - 24) | -0.00366667 |
| 0.306 (11/16/2022) | 0.336 (12/10/2018) | (0.306 - 0.336)/(40 - 24) | -0.001875 |
| 0.281 (2/14/2023) | 0.336 (12/10/2018) | (0.281 - 0.336)/(41 - 24) | -0.00323529 |
| 0.694 (5/25/2023) | 0.336 (12/10/2018) | (0.694 - 0.336)/(42 - 24) | 0.0198889 |
| 0.552 (8/7/2023) | 0.336 (12/10/2018) | (0.552 - 0.336)/(43 - 24) | 0.0113684 |
| 0.434 (12/12/2023) | 0.336 (12/10/2018) | (0.434 - 0.336)/(44 - 24) | 0.0049 |
| 0.542 (1/10/2024) | 0.336 (12/10/2018) | (0.542 - 0.336)/(45 - 24) | 0.00980952 |
| 0.597 (5/21/2024) | 0.336 (12/10/2018) | (0.597 - 0.336)/(46 - 24) | 0.0118636 |
| 0.699 (9/16/2024) | 0.336 (12/10/2018) | (0.699 - 0.336)/(47 - 24) | 0.0157826 |
| 0.334 (12/11/2024) | 0.336 (12/10/2018) | (0.334 - 0.336)/(48 - 24) | -8.33333e-05 |
| 0.416 (2/18/2025) | 0.336 (12/10/2018) | (0.416 - 0.336)/(49 - 24) | 0.0032 |
| | | | |
| ND<0.25 U (6/12/2019) | 0.36 (4/15/2019) | (0.25 - 0.36)/(26 - 25) | -0.11 |
| 0.356 (8/27/2019) | 0.36 (4/15/2019) | (0.356 - 0.36)/(27 - 25) | -0.002 |
| 0.272 (10/29/2019) | 0.36 (4/15/2019) | (0.272 - 0.36)/(28 - 25) | -0.0293333 |

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|---|---|---|---|
| ND<0.25 U (3/30/2020) | 0.36 (4/15/2019) | (0.25 - 0.36)/(29 - 25) | -0.0275 |
| 0.485 (6/16/2020) | 0.36 (4/15/2019) | (0.485 - 0.36)/(30 - 25) | 0.025 |
| ND<0.25 U (9/21/2020) | 0.36 (4/15/2019) | (0.25 - 0.36)/(31 - 25) | -0.0183333 |
| 0.3 (12/17/2020) | 0.36 (4/15/2019) | (0.3 - 0.36)/(32 - 25) | -0.00857143 |
| 0.58 (3/18/2021) | 0.36 (4/15/2019) | (0.58 - 0.36)/(33 - 25) | 0.0275 |
| 0.402 (5/5/2021) | 0.36 (4/15/2019) | (0.402 - 0.36)/(34 - 25) | 0.00466667 |
| 0.353 (9/2/2021) | 0.36 (4/15/2019) | (0.353 - 0.36)/(35 - 25) | -0.0007 |
| ND<0.25 U (11/23/2021) | 0.36 (4/15/2019) | (0.25 - 0.36)/(36 - 25) | -0.01 |
| 1.8 (1/11/2022) | 0.36 (4/15/2019) | (1.8 - 0.36)/(37 - 25) | 0.12 |
| 0.544 (4/7/2022) | 0.36 (4/15/2019) | (0.544 - 0.36)/(38 - 25) | 0.0141538 |
| 0.281 (8/2/2022) | 0.36 (4/15/2019) | (0.281 - 0.36)/(39 - 25) | -0.00564286 |
| 0.306 (11/16/2022) | 0.36 (4/15/2019) | (0.306 - 0.36)/(40 - 25) | -0.0036 |
| 0.281 (2/14/2023) | 0.36 (4/15/2019) | (0.281 - 0.36)/(41 - 25) | -0.0049375 |
| 0.694 (5/25/2023) | 0.36 (4/15/2019) | (0.694 - 0.36)/(42 - 25) | 0.0196471 |
| 0.552 (8/7/2023) | 0.36 (4/15/2019) | (0.552 - 0.36)/(43 - 25) | 0.0106667 |
| 0.434 (12/12/2023) | 0.36 (4/15/2019) | (0.434 - 0.36)/(44 - 25) | 0.00389474 |
| 0.542 (1/10/2024) | 0.36 (4/15/2019) | (0.542 - 0.36)/(45 - 25) | 0.0091 |
| 0.597 (5/21/2024) | 0.36 (4/15/2019) | (0.597 - 0.36)/(46 - 25) | 0.0112857 |
| 0.699 (9/16/2024) | 0.36 (4/15/2019) | (0.699 - 0.36)/(47 - 25) | 0.0154091 |
| 0.334 (12/11/2024) | 0.36 (4/15/2019) | (0.334 - 0.36)/(48 - 25) | -0.00113043 |
| 0.416 (2/18/2025) | 0.36 (4/15/2019) | (0.416 - 0.36)/(49 - 25) | 0.00233333 |

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|---|---|---|---|
| 0.356 (8/27/2019) | ND<0.25 U (6/12/2019) | (0.356 - 0.25)/(27 - 26) | 0.106 |
| 0.272 (10/29/2019) | ND<0.25 U (6/12/2019) | (0.272 - 0.25)/(28 - 26) | 0.011 |
| ND<0.25 U (3/30/2020) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(29 - 26) | 0 |
| 0.485 (6/16/2020) | ND<0.25 U (6/12/2019) | (0.485 - 0.25)/(30 - 26) | 0.05875 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(31 - 26) | 0 |
| 0.3 (12/17/2020) | ND<0.25 U (6/12/2019) | (0.3 - 0.25)/(32 - 26) | 0.00833333 |
| 0.58 (3/18/2021) | ND<0.25 U (6/12/2019) | (0.58 - 0.25)/(33 - 26) | 0.0471429 |
| 0.402 (5/5/2021) | ND<0.25 U (6/12/2019) | (0.402 - 0.25)/(34 - 26) | 0.019 |
| 0.353 (9/2/2021) | ND<0.25 U (6/12/2019) | (0.353 - 0.25)/(35 - 26) | 0.0114444 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(36 - 26) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (6/12/2019) | (1.8 - 0.25)/(37 - 26) | 0.140909 |
| 0.544 (4/7/2022) | ND<0.25 U (6/12/2019) | (0.544 - 0.25)/(38 - 26) | 0.0245 |
| 0.281 (8/2/2022) | ND<0.25 U (6/12/2019) | (0.281 - 0.25)/(39 - 26) | 0.00238462 |
| 0.306 (11/16/2022) | ND<0.25 U (6/12/2019) | (0.306 - 0.25)/(40 - 26) | 0.004 |
| 0.281 (2/14/2023) | ND<0.25 U (6/12/2019) | (0.281 - 0.25)/(41 - 26) | 0.00206667 |
| 0.694 (5/25/2023) | ND<0.25 U (6/12/2019) | (0.694 - 0.25)/(42 - 26) | 0.02775 |
| 0.552 (8/7/2023) | ND<0.25 U (6/12/2019) | (0.552 - 0.25)/(43 - 26) | 0.0177647 |
| 0.434 (12/12/2023) | ND<0.25 U (6/12/2019) | (0.434 - 0.25)/(44 - 26) | 0.0102222 |
| 0.542 (1/10/2024) | ND<0.25 U (6/12/2019) | (0.542 - 0.25)/(45 - 26) | 0.0153684 |
| 0.597 (5/21/2024) | ND<0.25 U (6/12/2019) | (0.597 - 0.25)/(46 - 26) | 0.01735 |
| 0.699 (9/16/2024) | ND<0.25 U (6/12/2019) | (0.699 - 0.25)/(47 - 26) | 0.021381 |
| 0.334 (12/11/2024) | ND<0.25 U (6/12/2019) | (0.334 - 0.25)/(48 - 26) | 0.00381818 |
| 0.416 (2/18/2025) | ND<0.25 U (6/12/2019) | (0.416 - 0.25)/(49 - 26) | 0.00721739 |

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|---|---|---|---|
| 0.272 (10/29/2019) | 0.356 (8/27/2019) | (0.272 - 0.356)/(28 - 27) | -0.084 |
| ND<0.25 U (3/30/2020) | 0.356 (8/27/2019) | (0.25 - 0.356)/(29 - 27) | -0.053 |
| 0.485 (6/16/2020) | 0.356 (8/27/2019) | (0.485 - 0.356)/(30 - 27) | 0.043 |
| ND<0.25 U (9/21/2020) | 0.356 (8/27/2019) | (0.25 - 0.356)/(31 - 27) | -0.0265 |
| 0.3 (12/17/2020) | 0.356 (8/27/2019) | (0.3 - 0.356)/(32 - 27) | -0.0112 |
| 0.58 (3/18/2021) | 0.356 (8/27/2019) | (0.58 - 0.356)/(33 - 27) | 0.0373333 |
| 0.402 (5/5/2021) | 0.356 (8/27/2019) | (0.402 - 0.356)/(34 - 27) | 0.00657143 |
| 0.353 (9/2/2021) | 0.356 (8/27/2019) | (0.353 - 0.356)/(35 - 27) | -0.000375 |
| ND<0.25 U (11/23/2021) | 0.356 (8/27/2019) | (0.25 - 0.356)/(36 - 27) | -0.0117778 |
| 1.8 (1/11/2022) | 0.356 (8/27/2019) | (1.8 - 0.356)/(37 - 27) | 0.1444 |
| 0.544 (4/7/2022) | 0.356 (8/27/2019) | (0.544 - 0.356)/(38 - 27) | 0.0170909 |

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|---|---|---|---|
| 0.281 (8/2/2022) | 0.356 (8/27/2019) | (0.281 - 0.356)/(39 - 27) | -0.00625 |
| 0.306 (11/16/2022) | 0.356 (8/27/2019) | (0.306 - 0.356)/(40 - 27) | -0.00384615 |
| 0.281 (2/14/2023) | 0.356 (8/27/2019) | (0.281 - 0.356)/(41 - 27) | -0.00535714 |
| 0.694 (5/25/2023) | 0.356 (8/27/2019) | (0.694 - 0.356)/(42 - 27) | 0.0225333 |
| 0.552 (8/7/2023) | 0.356 (8/27/2019) | (0.552 - 0.356)/(43 - 27) | 0.01225 |
| 0.434 (12/12/2023) | 0.356 (8/27/2019) | (0.434 - 0.356)/(44 - 27) | 0.00458824 |
| 0.542 (1/10/2024) | 0.356 (8/27/2019) | (0.542 - 0.356)/(45 - 27) | 0.0103333 |
| 0.597 (5/21/2024) | 0.356 (8/27/2019) | (0.597 - 0.356)/(46 - 27) | 0.0126842 |
| 0.699 (9/16/2024) | 0.356 (8/27/2019) | (0.699 - 0.356)/(47 - 27) | 0.01715 |
| 0.334 (12/11/2024) | 0.356 (8/27/2019) | (0.334 - 0.356)/(48 - 27) | -0.00104762 |
| 0.416 (2/18/2025) | 0.356 (8/27/2019) | (0.416 - 0.356)/(49 - 27) | 0.00272727 |
| | | | |
| ND<0.25 U (3/30/2020) | 0.272 (10/29/2019) | (0.25 - 0.272)/(29 - 28) | -0.022 |
| 0.485 (6/16/2020) | 0.272 (10/29/2019) | (0.485 - 0.272)/(30 - 28) | 0.1065 |
| ND<0.25 U (9/21/2020) | 0.272 (10/29/2019) | (0.25 - 0.272)/(31 - 28) | -0.00733333 |
| 0.3 (12/17/2020) | 0.272 (10/29/2019) | (0.3 - 0.272)/(32 - 28) | 0.007 |
| 0.58 (3/18/2021) | 0.272 (10/29/2019) | (0.58 - 0.272)/(33 - 28) | 0.0616 |
| 0.402 (5/5/2021) | 0.272 (10/29/2019) | (0.402 - 0.272)/(34 - 28) | 0.0216667 |
| 0.353 (9/2/2021) | 0.272 (10/29/2019) | (0.353 - 0.272)/(35 - 28) | 0.0115714 |
| ND<0.25 U (11/23/2021) | 0.272 (10/29/2019) | (0.25 - 0.272)/(36 - 28) | -0.00275 |
| 1.8 (1/11/2022) | 0.272 (10/29/2019) | (1.8 - 0.272)/(37 - 28) | 0.169778 |
| 0.544 (4/7/2022) | 0.272 (10/29/2019) | (0.544 - 0.272)/(38 - 28) | 0.0272 |
| 0.281 (8/2/2022) | 0.272 (10/29/2019) | (0.281 - 0.272)/(39 - 28) | 0.000818182 |
| 0.306 (11/16/2022) | 0.272 (10/29/2019) | (0.306 - 0.272)/(40 - 28) | 0.00283333 |
| 0.281 (2/14/2023) | 0.272 (10/29/2019) | (0.281 - 0.272)/(41 - 28) | 0.000692308 |
| 0.694 (5/25/2023) | 0.272 (10/29/2019) | (0.694 - 0.272)/(42 - 28) | 0.0301429 |
| 0.552 (8/7/2023) | 0.272 (10/29/2019) | (0.552 - 0.272)/(43 - 28) | 0.0186667 |
| 0.434 (12/12/2023) | 0.272 (10/29/2019) | (0.434 - 0.272)/(44 - 28) | 0.010125 |
| 0.542 (1/10/2024) | 0.272 (10/29/2019) | (0.542 - 0.272)/(45 - 28) | 0.0158824 |
| 0.597 (5/21/2024) | 0.272 (10/29/2019) | (0.597 - 0.272)/(46 - 28) | 0.0180556 |
| 0.699 (9/16/2024) | 0.272 (10/29/2019) | (0.699 - 0.272)/(47 - 28) | 0.0224737 |
| 0.334 (12/11/2024) | 0.272 (10/29/2019) | (0.334 - 0.272)/(48 - 28) | 0.0031 |
| 0.416 (2/18/2025) | 0.272 (10/29/2019) | (0.416 - 0.272)/(49 - 28) | 0.00685714 |
| | | | |
| 0.485 (6/16/2020) | ND<0.25 U (3/30/2020) | (0.485 - 0.25)/(30 - 29) | 0.235 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/30/2020) | (0.25 - 0.25)/(31 - 29) | 0 |
| 0.3 (12/17/2020) | ND<0.25 U (3/30/2020) | (0.3 - 0.25)/(32 - 29) | 0.0166667 |
| 0.58 (3/18/2021) | ND<0.25 U (3/30/2020) | (0.58 - 0.25)/(33 - 29) | 0.0825 |
| 0.402 (5/5/2021) | ND<0.25 U (3/30/2020) | (0.402 - 0.25)/(34 - 29) | 0.0304 |
| 0.353 (9/2/2021) | ND<0.25 U (3/30/2020) | (0.353 - 0.25)/(35 - 29) | 0.0171667 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/30/2020) | (0.25 - 0.25)/(36 - 29) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (3/30/2020) | (1.8 - 0.25)/(37 - 29) | 0.19375 |
| 0.544 (4/7/2022) | ND<0.25 U (3/30/2020) | (0.544 - 0.25)/(38 - 29) | 0.0326667 |
| 0.281 (8/2/2022) | ND<0.25 U (3/30/2020) | (0.281 - 0.25)/(39 - 29) | 0.0031 |
| 0.306 (11/16/2022) | ND<0.25 U (3/30/2020) | (0.306 - 0.25)/(40 - 29) | 0.00509091 |
| 0.281 (2/14/2023) | ND<0.25 U (3/30/2020) | (0.281 - 0.25)/(41 - 29) | 0.00258333 |
| 0.694 (5/25/2023) | ND<0.25 U (3/30/2020) | (0.694 - 0.25)/(42 - 29) | 0.0341538 |
| 0.552 (8/7/2023) | ND<0.25 U (3/30/2020) | (0.552 - 0.25)/(43 - 29) | 0.0215714 |
| 0.434 (12/12/2023) | ND<0.25 U (3/30/2020) | (0.434 - 0.25)/(44 - 29) | 0.0122667 |
| 0.542 (1/10/2024) | ND<0.25 U (3/30/2020) | (0.542 - 0.25)/(45 - 29) | 0.01825 |
| 0.597 (5/21/2024) | ND<0.25 U (3/30/2020) | (0.597 - 0.25)/(46 - 29) | 0.0204118 |
| 0.699 (9/16/2024) | ND<0.25 U (3/30/2020) | (0.699 - 0.25)/(47 - 29) | 0.0249444 |
| 0.334 (12/11/2024) | ND<0.25 U (3/30/2020) | (0.334 - 0.25)/(48 - 29) | 0.00442105 |
| 0.416 (2/18/2025) | ND<0.25 U (3/30/2020) | (0.416 - 0.25)/(49 - 29) | 0.0083 |
| | | | |
| ND<0.25 U (9/21/2020) | 0.485 (6/16/2020) | (0.25 - 0.485)/(31 - 30) | -0.235 |
| 0.3 (12/17/2020) | 0.485 (6/16/2020) | (0.3 - 0.485)/(32 - 30) | -0.0925 |

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|---|---|---|---|
| 0.58 (3/18/2021) | 0.485 (6/16/2020) | (0.58 - 0.485)/(33 - 30) | 0.0316667 |
| 0.402 (5/5/2021) | 0.485 (6/16/2020) | (0.402 - 0.485)/(34 - 30) | -0.02075 |
| 0.353 (9/2/2021) | 0.485 (6/16/2020) | (0.353 - 0.485)/(35 - 30) | -0.0264 |
| ND<0.25 U (11/23/2021) | 0.485 (6/16/2020) | (0.25 - 0.485)/(36 - 30) | -0.0391667 |
| 1.8 (1/11/2022) | 0.485 (6/16/2020) | (1.8 - 0.485)/(37 - 30) | 0.187857 |
| 0.544 (4/7/2022) | 0.485 (6/16/2020) | (0.544 - 0.485)/(38 - 30) | 0.007375 |
| 0.281 (8/2/2022) | 0.485 (6/16/2020) | (0.281 - 0.485)/(39 - 30) | -0.0226667 |
| 0.306 (11/16/2022) | 0.485 (6/16/2020) | (0.306 - 0.485)/(40 - 30) | -0.0179 |
| 0.281 (2/14/2023) | 0.485 (6/16/2020) | (0.281 - 0.485)/(41 - 30) | -0.0185455 |
| 0.694 (5/25/2023) | 0.485 (6/16/2020) | (0.694 - 0.485)/(42 - 30) | 0.0174167 |
| 0.552 (8/7/2023) | 0.485 (6/16/2020) | (0.552 - 0.485)/(43 - 30) | 0.00515385 |
| 0.434 (12/12/2023) | 0.485 (6/16/2020) | (0.434 - 0.485)/(44 - 30) | -0.00364286 |
| 0.542 (1/10/2024) | 0.485 (6/16/2020) | (0.542 - 0.485)/(45 - 30) | 0.0038 |
| 0.597 (5/21/2024) | 0.485 (6/16/2020) | (0.597 - 0.485)/(46 - 30) | 0.007 |
| 0.699 (9/16/2024) | 0.485 (6/16/2020) | (0.699 - 0.485)/(47 - 30) | 0.0125882 |
| 0.334 (12/11/2024) | 0.485 (6/16/2020) | (0.334 - 0.485)/(48 - 30) | -0.00838889 |
| 0.416 (2/18/2025) | 0.485 (6/16/2020) | (0.416 - 0.485)/(49 - 30) | -0.00363158 |

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|---|---|---|---|
| 0.3 (12/17/2020) | ND<0.25 U (9/21/2020) | (0.3 - 0.25)/(32 - 31) | 0.05 |
| 0.58 (3/18/2021) | ND<0.25 U (9/21/2020) | (0.58 - 0.25)/(33 - 31) | 0.165 |
| 0.402 (5/5/2021) | ND<0.25 U (9/21/2020) | (0.402 - 0.25)/(34 - 31) | 0.0506667 |
| 0.353 (9/2/2021) | ND<0.25 U (9/21/2020) | (0.353 - 0.25)/(35 - 31) | 0.02575 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (9/21/2020) | (0.25 - 0.25)/(36 - 31) | 0 |
| 1.8 (1/11/2022) | ND<0.25 U (9/21/2020) | (1.8 - 0.25)/(37 - 31) | 0.258333 |
| 0.544 (4/7/2022) | ND<0.25 U (9/21/2020) | (0.544 - 0.25)/(38 - 31) | 0.042 |
| 0.281 (8/2/2022) | ND<0.25 U (9/21/2020) | (0.281 - 0.25)/(39 - 31) | 0.003875 |
| 0.306 (11/16/2022) | ND<0.25 U (9/21/2020) | (0.306 - 0.25)/(40 - 31) | 0.00622222 |
| 0.281 (2/14/2023) | ND<0.25 U (9/21/2020) | (0.281 - 0.25)/(41 - 31) | 0.0031 |
| 0.694 (5/25/2023) | ND<0.25 U (9/21/2020) | (0.694 - 0.25)/(42 - 31) | 0.0403636 |
| 0.552 (8/7/2023) | ND<0.25 U (9/21/2020) | (0.552 - 0.25)/(43 - 31) | 0.0251667 |
| 0.434 (12/12/2023) | ND<0.25 U (9/21/2020) | (0.434 - 0.25)/(44 - 31) | 0.0141538 |
| 0.542 (1/10/2024) | ND<0.25 U (9/21/2020) | (0.542 - 0.25)/(45 - 31) | 0.0208571 |
| 0.597 (5/21/2024) | ND<0.25 U (9/21/2020) | (0.597 - 0.25)/(46 - 31) | 0.0231333 |
| 0.699 (9/16/2024) | ND<0.25 U (9/21/2020) | (0.699 - 0.25)/(47 - 31) | 0.0280625 |
| 0.334 (12/11/2024) | ND<0.25 U (9/21/2020) | (0.334 - 0.25)/(48 - 31) | 0.00494118 |
| 0.416 (2/18/2025) | ND<0.25 U (9/21/2020) | (0.416 - 0.25)/(49 - 31) | 0.00922222 |

| | | | |
|---|---|---|---|
| 0.58 (3/18/2021) | 0.3 (12/17/2020) | (0.58 - 0.3)/(33 - 32) | 0.28 |
| 0.402 (5/5/2021) | 0.3 (12/17/2020) | (0.402 - 0.3)/(34 - 32) | 0.051 |
| 0.353 (9/2/2021) | 0.3 (12/17/2020) | (0.353 - 0.3)/(35 - 32) | 0.0176667 |
| ND<0.25 U (11/23/2021) | 0.3 (12/17/2020) | (0.25 - 0.3)/(36 - 32) | -0.0125 |
| 1.8 (1/11/2022) | 0.3 (12/17/2020) | (1.8 - 0.3)/(37 - 32) | 0.3 |
| 0.544 (4/7/2022) | 0.3 (12/17/2020) | (0.544 - 0.3)/(38 - 32) | 0.0406667 |
| 0.281 (8/2/2022) | 0.3 (12/17/2020) | (0.281 - 0.3)/(39 - 32) | -0.00271429 |
| 0.306 (11/16/2022) | 0.3 (12/17/2020) | (0.306 - 0.3)/(40 - 32) | 0.00075 |
| 0.281 (2/14/2023) | 0.3 (12/17/2020) | (0.281 - 0.3)/(41 - 32) | -0.00211111 |
| 0.694 (5/25/2023) | 0.3 (12/17/2020) | (0.694 - 0.3)/(42 - 32) | 0.0394 |
| 0.552 (8/7/2023) | 0.3 (12/17/2020) | (0.552 - 0.3)/(43 - 32) | 0.0229091 |
| 0.434 (12/12/2023) | 0.3 (12/17/2020) | (0.434 - 0.3)/(44 - 32) | 0.0111667 |
| 0.542 (1/10/2024) | 0.3 (12/17/2020) | (0.542 - 0.3)/(45 - 32) | 0.0186154 |
| 0.597 (5/21/2024) | 0.3 (12/17/2020) | (0.597 - 0.3)/(46 - 32) | 0.0212143 |
| 0.699 (9/16/2024) | 0.3 (12/17/2020) | (0.699 - 0.3)/(47 - 32) | 0.0266 |
| 0.334 (12/11/2024) | 0.3 (12/17/2020) | (0.334 - 0.3)/(48 - 32) | 0.002125 |
| 0.416 (2/18/2025) | 0.3 (12/17/2020) | (0.416 - 0.3)/(49 - 32) | 0.00682353 |

| | | | |
|---|---|---|---|
| 0.402 (5/5/2021) | 0.58 (3/18/2021) | (0.402 - 0.58)/(34 - 33) | -0.178 |
| 0.353 (9/2/2021) | 0.58 (3/18/2021) | (0.353 - 0.58)/(35 - 33) | -0.1135 |

| | | | |
|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.58 (3/18/2021) | (0.25 - 0.58)/(36 - 33) | -0.11 |
| 1.8 (1/11/2022) | 0.58 (3/18/2021) | (1.8 - 0.58)/(37 - 33) | 0.305 |
| 0.544 (4/7/2022) | 0.58 (3/18/2021) | (0.544 - 0.58)/(38 - 33) | -0.0072 |
| 0.281 (8/2/2022) | 0.58 (3/18/2021) | (0.281 - 0.58)/(39 - 33) | -0.0498333 |
| 0.306 (11/16/2022) | 0.58 (3/18/2021) | (0.306 - 0.58)/(40 - 33) | -0.0391429 |
| 0.281 (2/14/2023) | 0.58 (3/18/2021) | (0.281 - 0.58)/(41 - 33) | -0.037375 |
| 0.694 (5/25/2023) | 0.58 (3/18/2021) | (0.694 - 0.58)/(42 - 33) | 0.0126667 |
| 0.552 (8/7/2023) | 0.58 (3/18/2021) | (0.552 - 0.58)/(43 - 33) | -0.0028 |
| 0.434 (12/12/2023) | 0.58 (3/18/2021) | (0.434 - 0.58)/(44 - 33) | -0.0132727 |
| 0.542 (1/10/2024) | 0.58 (3/18/2021) | (0.542 - 0.58)/(45 - 33) | -0.00316667 |
| 0.597 (5/21/2024) | 0.58 (3/18/2021) | (0.597 - 0.58)/(46 - 33) | 0.00130769 |
| 0.699 (9/16/2024) | 0.58 (3/18/2021) | (0.699 - 0.58)/(47 - 33) | 0.0085 |
| 0.334 (12/11/2024) | 0.58 (3/18/2021) | (0.334 - 0.58)/(48 - 33) | -0.0164 |
| 0.416 (2/18/2025) | 0.58 (3/18/2021) | (0.416 - 0.58)/(49 - 33) | -0.01025 |
| | | | |
| 0.353 (9/2/2021) | 0.402 (5/5/2021) | (0.353 - 0.402)/(35 - 34) | -0.049 |
| ND<0.25 U (11/23/2021) | 0.402 (5/5/2021) | (0.25 - 0.402)/(36 - 34) | -0.076 |
| 1.8 (1/11/2022) | 0.402 (5/5/2021) | (1.8 - 0.402)/(37 - 34) | 0.466 |
| 0.544 (4/7/2022) | 0.402 (5/5/2021) | (0.544 - 0.402)/(38 - 34) | 0.0355 |
| 0.281 (8/2/2022) | 0.402 (5/5/2021) | (0.281 - 0.402)/(39 - 34) | -0.0242 |
| 0.306 (11/16/2022) | 0.402 (5/5/2021) | (0.306 - 0.402)/(40 - 34) | -0.016 |
| 0.281 (2/14/2023) | 0.402 (5/5/2021) | (0.281 - 0.402)/(41 - 34) | -0.0172857 |
| 0.694 (5/25/2023) | 0.402 (5/5/2021) | (0.694 - 0.402)/(42 - 34) | 0.0365 |
| 0.552 (8/7/2023) | 0.402 (5/5/2021) | (0.552 - 0.402)/(43 - 34) | 0.0166667 |
| 0.434 (12/12/2023) | 0.402 (5/5/2021) | (0.434 - 0.402)/(44 - 34) | 0.0032 |
| 0.542 (1/10/2024) | 0.402 (5/5/2021) | (0.542 - 0.402)/(45 - 34) | 0.0127273 |
| 0.597 (5/21/2024) | 0.402 (5/5/2021) | (0.597 - 0.402)/(46 - 34) | 0.01625 |
| 0.699 (9/16/2024) | 0.402 (5/5/2021) | (0.699 - 0.402)/(47 - 34) | 0.0228462 |
| 0.334 (12/11/2024) | 0.402 (5/5/2021) | (0.334 - 0.402)/(48 - 34) | -0.00485714 |
| 0.416 (2/18/2025) | 0.402 (5/5/2021) | (0.416 - 0.402)/(49 - 34) | 0.000933333 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.353 (9/2/2021) | (0.25 - 0.353)/(36 - 35) | -0.103 |
| 1.8 (1/11/2022) | 0.353 (9/2/2021) | (1.8 - 0.353)/(37 - 35) | 0.7235 |
| 0.544 (4/7/2022) | 0.353 (9/2/2021) | (0.544 - 0.353)/(38 - 35) | 0.0636667 |
| 0.281 (8/2/2022) | 0.353 (9/2/2021) | (0.281 - 0.353)/(39 - 35) | -0.018 |
| 0.306 (11/16/2022) | 0.353 (9/2/2021) | (0.306 - 0.353)/(40 - 35) | -0.0094 |
| 0.281 (2/14/2023) | 0.353 (9/2/2021) | (0.281 - 0.353)/(41 - 35) | -0.012 |
| 0.694 (5/25/2023) | 0.353 (9/2/2021) | (0.694 - 0.353)/(42 - 35) | 0.0487143 |
| 0.552 (8/7/2023) | 0.353 (9/2/2021) | (0.552 - 0.353)/(43 - 35) | 0.024875 |
| 0.434 (12/12/2023) | 0.353 (9/2/2021) | (0.434 - 0.353)/(44 - 35) | 0.009 |
| 0.542 (1/10/2024) | 0.353 (9/2/2021) | (0.542 - 0.353)/(45 - 35) | 0.0189 |
| 0.597 (5/21/2024) | 0.353 (9/2/2021) | (0.597 - 0.353)/(46 - 35) | 0.0221818 |
| 0.699 (9/16/2024) | 0.353 (9/2/2021) | (0.699 - 0.353)/(47 - 35) | 0.0288333 |
| 0.334 (12/11/2024) | 0.353 (9/2/2021) | (0.334 - 0.353)/(48 - 35) | -0.00146154 |
| 0.416 (2/18/2025) | 0.353 (9/2/2021) | (0.416 - 0.353)/(49 - 35) | 0.0045 |
| | | | |
| 1.8 (1/11/2022) | ND<0.25 U (11/23/2021) | (1.8 - 0.25)/(37 - 36) | 1.55 |
| 0.544 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.544 - 0.25)/(38 - 36) | 0.147 |
| 0.281 (8/2/2022) | ND<0.25 U (11/23/2021) | (0.281 - 0.25)/(39 - 36) | 0.0103333 |
| 0.306 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.306 - 0.25)/(40 - 36) | 0.014 |
| 0.281 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.281 - 0.25)/(41 - 36) | 0.0062 |
| 0.694 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.694 - 0.25)/(42 - 36) | 0.074 |
| 0.552 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.552 - 0.25)/(43 - 36) | 0.0431429 |
| 0.434 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.434 - 0.25)/(44 - 36) | 0.023 |
| 0.542 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.542 - 0.25)/(45 - 36) | 0.0324444 |
| 0.597 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.597 - 0.25)/(46 - 36) | 0.0347 |
| 0.699 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.699 - 0.25)/(47 - 36) | 0.0408182 |

| | | | |
|---|---|---|---|
| 0.334 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.334 - 0.25)/(48 - 36) | 0.007 |
| 0.416 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.416 - 0.25)/(49 - 36) | 0.0127692 |
| | | | |
| 0.544 (4/7/2022) | 1.8 (1/11/2022) | (0.544 - 1.8)/(38 - 37) | -1.256 |
| 0.281 (8/2/2022) | 1.8 (1/11/2022) | (0.281 - 1.8)/(39 - 37) | -0.7595 |
| 0.306 (11/16/2022) | 1.8 (1/11/2022) | (0.306 - 1.8)/(40 - 37) | -0.498 |
| 0.281 (2/14/2023) | 1.8 (1/11/2022) | (0.281 - 1.8)/(41 - 37) | -0.37975 |
| 0.694 (5/25/2023) | 1.8 (1/11/2022) | (0.694 - 1.8)/(42 - 37) | -0.2212 |
| 0.552 (8/7/2023) | 1.8 (1/11/2022) | (0.552 - 1.8)/(43 - 37) | -0.208 |
| 0.434 (12/12/2023) | 1.8 (1/11/2022) | (0.434 - 1.8)/(44 - 37) | -0.195143 |
| 0.542 (1/10/2024) | 1.8 (1/11/2022) | (0.542 - 1.8)/(45 - 37) | -0.15725 |
| 0.597 (5/21/2024) | 1.8 (1/11/2022) | (0.597 - 1.8)/(46 - 37) | -0.133667 |
| 0.699 (9/16/2024) | 1.8 (1/11/2022) | (0.699 - 1.8)/(47 - 37) | -0.1101 |
| 0.334 (12/11/2024) | 1.8 (1/11/2022) | (0.334 - 1.8)/(48 - 37) | -0.133273 |
| 0.416 (2/18/2025) | 1.8 (1/11/2022) | (0.416 - 1.8)/(49 - 37) | -0.115333 |
| | | | |
| 0.281 (8/2/2022) | 0.544 (4/7/2022) | (0.281 - 0.544)/(39 - 38) | -0.263 |
| 0.306 (11/16/2022) | 0.544 (4/7/2022) | (0.306 - 0.544)/(40 - 38) | -0.119 |
| 0.281 (2/14/2023) | 0.544 (4/7/2022) | (0.281 - 0.544)/(41 - 38) | -0.0876667 |
| 0.694 (5/25/2023) | 0.544 (4/7/2022) | (0.694 - 0.544)/(42 - 38) | 0.0375 |
| 0.552 (8/7/2023) | 0.544 (4/7/2022) | (0.552 - 0.544)/(43 - 38) | 0.0016 |
| 0.434 (12/12/2023) | 0.544 (4/7/2022) | (0.434 - 0.544)/(44 - 38) | -0.0183333 |
| 0.542 (1/10/2024) | 0.544 (4/7/2022) | (0.542 - 0.544)/(45 - 38) | -0.000285714 |
| 0.597 (5/21/2024) | 0.544 (4/7/2022) | (0.597 - 0.544)/(46 - 38) | 0.006625 |
| 0.699 (9/16/2024) | 0.544 (4/7/2022) | (0.699 - 0.544)/(47 - 38) | 0.0172222 |
| 0.334 (12/11/2024) | 0.544 (4/7/2022) | (0.334 - 0.544)/(48 - 38) | -0.021 |
| 0.416 (2/18/2025) | 0.544 (4/7/2022) | (0.416 - 0.544)/(49 - 38) | -0.0116364 |
| | | | |
| 0.306 (11/16/2022) | 0.281 (8/2/2022) | (0.306 - 0.281)/(40 - 39) | 0.025 |
| 0.281 (2/14/2023) | 0.281 (8/2/2022) | (0.281 - 0.281)/(41 - 39) | 0 |
| 0.694 (5/25/2023) | 0.281 (8/2/2022) | (0.694 - 0.281)/(42 - 39) | 0.137667 |
| 0.552 (8/7/2023) | 0.281 (8/2/2022) | (0.552 - 0.281)/(43 - 39) | 0.06775 |
| 0.434 (12/12/2023) | 0.281 (8/2/2022) | (0.434 - 0.281)/(44 - 39) | 0.0306 |
| 0.542 (1/10/2024) | 0.281 (8/2/2022) | (0.542 - 0.281)/(45 - 39) | 0.0435 |
| 0.597 (5/21/2024) | 0.281 (8/2/2022) | (0.597 - 0.281)/(46 - 39) | 0.0451429 |
| 0.699 (9/16/2024) | 0.281 (8/2/2022) | (0.699 - 0.281)/(47 - 39) | 0.05225 |
| 0.334 (12/11/2024) | 0.281 (8/2/2022) | (0.334 - 0.281)/(48 - 39) | 0.00588889 |
| 0.416 (2/18/2025) | 0.281 (8/2/2022) | (0.416 - 0.281)/(49 - 39) | 0.0135 |
| | | | |
| 0.281 (2/14/2023) | 0.306 (11/16/2022) | (0.281 - 0.306)/(41 - 40) | -0.025 |
| 0.694 (5/25/2023) | 0.306 (11/16/2022) | (0.694 - 0.306)/(42 - 40) | 0.194 |
| 0.552 (8/7/2023) | 0.306 (11/16/2022) | (0.552 - 0.306)/(43 - 40) | 0.082 |
| 0.434 (12/12/2023) | 0.306 (11/16/2022) | (0.434 - 0.306)/(44 - 40) | 0.032 |
| 0.542 (1/10/2024) | 0.306 (11/16/2022) | (0.542 - 0.306)/(45 - 40) | 0.0472 |
| 0.597 (5/21/2024) | 0.306 (11/16/2022) | (0.597 - 0.306)/(46 - 40) | 0.0485 |
| 0.699 (9/16/2024) | 0.306 (11/16/2022) | (0.699 - 0.306)/(47 - 40) | 0.0561429 |
| 0.334 (12/11/2024) | 0.306 (11/16/2022) | (0.334 - 0.306)/(48 - 40) | 0.0035 |
| 0.416 (2/18/2025) | 0.306 (11/16/2022) | (0.416 - 0.306)/(49 - 40) | 0.0122222 |
| | | | |
| 0.694 (5/25/2023) | 0.281 (2/14/2023) | (0.694 - 0.281)/(42 - 41) | 0.413 |
| 0.552 (8/7/2023) | 0.281 (2/14/2023) | (0.552 - 0.281)/(43 - 41) | 0.1355 |
| 0.434 (12/12/2023) | 0.281 (2/14/2023) | (0.434 - 0.281)/(44 - 41) | 0.051 |
| 0.542 (1/10/2024) | 0.281 (2/14/2023) | (0.542 - 0.281)/(45 - 41) | 0.06525 |
| 0.597 (5/21/2024) | 0.281 (2/14/2023) | (0.597 - 0.281)/(46 - 41) | 0.0632 |
| 0.699 (9/16/2024) | 0.281 (2/14/2023) | (0.699 - 0.281)/(47 - 41) | 0.0696667 |
| 0.334 (12/11/2024) | 0.281 (2/14/2023) | (0.334 - 0.281)/(48 - 41) | 0.00757143 |
| 0.416 (2/18/2025) | 0.281 (2/14/2023) | (0.416 - 0.281)/(49 - 41) | 0.016875 |

| | | | |
|---|---|---|---|
| 0.552 (8/7/2023) | 0.694 (5/25/2023) | (0.552 - 0.694)/(43 - 42) | -0.142 |
| 0.434 (12/12/2023) | 0.694 (5/25/2023) | (0.434 - 0.694)/(44 - 42) | -0.13 |
| 0.542 (1/10/2024) | 0.694 (5/25/2023) | (0.542 - 0.694)/(45 - 42) | -0.0506667 |
| 0.597 (5/21/2024) | 0.694 (5/25/2023) | (0.597 - 0.694)/(46 - 42) | -0.02425 |
| 0.699 (9/16/2024) | 0.694 (5/25/2023) | (0.699 - 0.694)/(47 - 42) | 0.001 |
| 0.334 (12/11/2024) | 0.694 (5/25/2023) | (0.334 - 0.694)/(48 - 42) | -0.06 |
| 0.416 (2/18/2025) | 0.694 (5/25/2023) | (0.416 - 0.694)/(49 - 42) | -0.0397143 |
| | | | |
| 0.434 (12/12/2023) | 0.552 (8/7/2023) | (0.434 - 0.552)/(44 - 43) | -0.118 |
| 0.542 (1/10/2024) | 0.552 (8/7/2023) | (0.542 - 0.552)/(45 - 43) | -0.005 |
| 0.597 (5/21/2024) | 0.552 (8/7/2023) | (0.597 - 0.552)/(46 - 43) | 0.015 |
| 0.699 (9/16/2024) | 0.552 (8/7/2023) | (0.699 - 0.552)/(47 - 43) | 0.03675 |
| 0.334 (12/11/2024) | 0.552 (8/7/2023) | (0.334 - 0.552)/(48 - 43) | -0.0436 |
| 0.416 (2/18/2025) | 0.552 (8/7/2023) | (0.416 - 0.552)/(49 - 43) | -0.0226667 |
| | | | |
| 0.542 (1/10/2024) | 0.434 (12/12/2023) | (0.542 - 0.434)/(45 - 44) | 0.108 |
| 0.597 (5/21/2024) | 0.434 (12/12/2023) | (0.597 - 0.434)/(46 - 44) | 0.0815 |
| 0.699 (9/16/2024) | 0.434 (12/12/2023) | (0.699 - 0.434)/(47 - 44) | 0.0883333 |
| 0.334 (12/11/2024) | 0.434 (12/12/2023) | (0.334 - 0.434)/(48 - 44) | -0.025 |
| 0.416 (2/18/2025) | 0.434 (12/12/2023) | (0.416 - 0.434)/(49 - 44) | -0.0036 |
| | | | |
| 0.597 (5/21/2024) | 0.542 (1/10/2024) | (0.597 - 0.542)/(46 - 45) | 0.055 |
| 0.699 (9/16/2024) | 0.542 (1/10/2024) | (0.699 - 0.542)/(47 - 45) | 0.0785 |
| 0.334 (12/11/2024) | 0.542 (1/10/2024) | (0.334 - 0.542)/(48 - 45) | -0.0693333 |
| 0.416 (2/18/2025) | 0.542 (1/10/2024) | (0.416 - 0.542)/(49 - 45) | -0.0315 |
| | | | |
| 0.699 (9/16/2024) | 0.597 (5/21/2024) | (0.699 - 0.597)/(47 - 46) | 0.102 |
| 0.334 (12/11/2024) | 0.597 (5/21/2024) | (0.334 - 0.597)/(48 - 46) | -0.1315 |
| 0.416 (2/18/2025) | 0.597 (5/21/2024) | (0.416 - 0.597)/(49 - 46) | -0.0603333 |
| | | | |
| 0.334 (12/11/2024) | 0.699 (9/16/2024) | (0.334 - 0.699)/(48 - 47) | -0.365 |
| 0.416 (2/18/2025) | 0.699 (9/16/2024) | (0.416 - 0.699)/(49 - 47) | -0.1415 |
| | | | |
| 0.416 (2/18/2025) | 0.334 (12/11/2024) | (0.416 - 0.334)/(49 - 48) | 0.082 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
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| 1 | -1.256 |
| 2 | -0.7595 |
| 3 | -0.56 |
| 4 | -0.498 |
| 5 | -0.37975 |
| 6 | -0.365 |
| 7 | -0.33 |
| 8 | -0.3 |
| 9 | -0.28 |
| 10 | -0.263 |
| 11 | -0.235 |
| 12 | -0.23 |
| 13 | -0.2212 |
| 14 | -0.208 |
| 15 | -0.195143 |
| 16 | -0.19 |

| | |
|---|---|
| 17 | -0.18 |
| 18 | -0.178 |
| 19 | -0.175 |
| 20 | -0.17 |
| 21 | -0.167 |
| 22 | -0.163333 |
| 23 | -0.159 |
| 24 | -0.15725 |
| 25 | -0.15 |
| 26 | -0.142 |
| 27 | -0.1415 |
| 28 | -0.135 |
| 29 | -0.133667 |
| 30 | -0.133273 |
| 31 | -0.1315 |
| 32 | -0.13 |
| 33 | -0.12 |
| 34 | -0.12 |
| 35 | -0.119 |
| 36 | -0.118 |
| 37 | -0.115333 |
| 38 | -0.1135 |
| 39 | -0.1101 |
| 40 | -0.11 |
| 41 | -0.11 |
| 42 | -0.105 |
| 43 | -0.103333 |
| 44 | -0.103 |
| 45 | -0.1 |
| 46 | -0.0933333 |
| 47 | -0.0925 |
| 48 | -0.0916667 |
| 49 | -0.09 |
| 50 | -0.0876667 |
| 51 | -0.086 |
| 52 | -0.085 |
| 53 | -0.084 |
| 54 | -0.0816667 |
| 55 | -0.08 |
| 56 | -0.0766667 |
| 57 | -0.0766667 |
| 58 | -0.076 |
| 59 | -0.075 |
| 60 | -0.072 |
| 61 | -0.07 |
| 62 | -0.0693333 |
| 63 | -0.0675 |
| 64 | -0.0663333 |
| 65 | -0.065 |
| 66 | -0.065 |
| 67 | -0.0633333 |
| 68 | -0.0628 |
| 69 | -0.0625 |
| 70 | -0.0611111 |
| 71 | -0.0603333 |
| 72 | -0.06 |
| 73 | -0.06 |

| | |
|---|---|
| 74 | -0.06 |
| 75 | -0.06 |
| 76 | -0.06 |
| 77 | -0.06 |
| 78 | -0.0577778 |
| 79 | -0.056 |
| 80 | -0.055 |
| 81 | -0.055 |
| 82 | -0.053 |
| 83 | -0.0528571 |
| 84 | -0.052 |
| 85 | -0.0506667 |
| 86 | -0.05 |
| 87 | -0.05 |
| 88 | -0.0498333 |
| 89 | -0.049 |
| 90 | -0.0475 |
| 91 | -0.0466667 |
| 92 | -0.0446 |
| 93 | -0.044 |
| 94 | -0.0436 |
| 95 | -0.0433333 |
| 96 | -0.043 |
| 97 | -0.0408333 |
| 98 | -0.04 |
| 99 | -0.04 |
| 100 | -0.0397143 |
| 101 | -0.0391667 |
| 102 | -0.0391429 |
| 103 | -0.0385714 |
| 104 | -0.037375 |
| 105 | -0.0373333 |
| 106 | -0.037 |
| 107 | -0.0368 |
| 108 | -0.0364615 |
| 109 | -0.03625 |
| 110 | -0.0357143 |
| 111 | -0.035 |
| 112 | -0.03475 |
| 113 | -0.0323333 |
| 114 | -0.0323077 |
| 115 | -0.0321429 |
| 116 | -0.0321429 |
| 117 | -0.0316471 |
| 118 | -0.0315 |
| 119 | -0.03125 |
| 120 | -0.0311111 |
| 121 | -0.0308333 |
| 122 | -0.030625 |
| 123 | -0.0305556 |
| 124 | -0.03 |
| 125 | -0.03 |
| 126 | -0.03 |
| 127 | -0.0293333 |
| 128 | -0.0284 |
| 129 | -0.028375 |
| 130 | -0.028 |

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| 131 | -0.0275556 |
| 132 | -0.0275 |
| 133 | -0.0275 |
| 134 | -0.0275 |
| 135 | -0.0272727 |
| 136 | -0.027 |
| 137 | -0.0266667 |
| 138 | -0.0265 |
| 139 | -0.0264 |
| 140 | -0.02625 |
| 141 | -0.026 |
| 142 | -0.026 |
| 143 | -0.0258 |
| 144 | -0.0257143 |
| 145 | -0.0255556 |
| 146 | -0.0254545 |
| 147 | -0.025 |
| 148 | -0.025 |
| 149 | -0.025 |
| 150 | -0.0248571 |
| 151 | -0.0246667 |
| 152 | -0.0246154 |
| 153 | -0.0244444 |
| 154 | -0.0243846 |
| 155 | -0.0242857 |
| 156 | -0.0242857 |
| 157 | -0.0242857 |
| 158 | -0.02425 |
| 159 | -0.0242 |
| 160 | -0.024 |
| 161 | -0.023913 |
| 162 | -0.0237778 |
| 163 | -0.0236364 |
| 164 | -0.023125 |
| 165 | -0.0230769 |
| 166 | -0.0228824 |
| 167 | -0.0226667 |
| 168 | -0.0226667 |
| 169 | -0.0225 |
| 170 | -0.0225 |
| 171 | -0.0225 |
| 172 | -0.0224 |
| 173 | -0.0223333 |
| 174 | -0.0222222 |
| 175 | -0.0220952 |
| 176 | -0.022 |
| 177 | -0.0217647 |
| 178 | -0.0216667 |
| 179 | -0.0216667 |
| 180 | -0.0215385 |
| 181 | -0.0214286 |
| 182 | -0.0213846 |
| 183 | -0.02125 |
| 184 | -0.0211538 |
| 185 | -0.02112 |
| 186 | -0.021 |
| 187 | -0.0208333 |

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|---|---|
| 188 | -0.02075 |
| 189 | -0.0205 |
| 190 | -0.0204737 |
| 191 | -0.0203077 |
| 192 | -0.0202222 |
| 193 | -0.02 |
| 194 | -0.02 |
| 195 | -0.02 |
| 196 | -0.02 |
| 197 | -0.0196429 |
| 198 | -0.0193333 |
| 199 | -0.0190417 |
| 200 | -0.019 |
| 201 | -0.0189474 |
| 202 | -0.0188929 |
| 203 | -0.0188462 |
| 204 | -0.01875 |
| 205 | -0.0185455 |
| 206 | -0.0185 |
| 207 | -0.0183333 |
| 208 | -0.0183333 |
| 209 | -0.018 |
| 210 | -0.018 |
| 211 | -0.0179 |
| 212 | -0.0177778 |
| 213 | -0.0177391 |
| 214 | -0.0176333 |
| 215 | -0.0175 |
| 216 | -0.0173793 |
| 217 | -0.0172857 |
| 218 | -0.0172414 |
| 219 | -0.0172 |
| 220 | -0.0171053 |
| 221 | -0.017 |
| 222 | -0.0169231 |
| 223 | -0.0168182 |
| 224 | -0.0166667 |
| 225 | -0.0166667 |
| 226 | -0.0164286 |
| 227 | -0.0164 |
| 228 | -0.0163636 |
| 229 | -0.0163636 |
| 230 | -0.0161667 |
| 231 | -0.0161176 |
| 232 | -0.0160952 |
| 233 | -0.016 |
| 234 | -0.016 |
| 235 | -0.0158824 |
| 236 | -0.015625 |
| 237 | -0.0155556 |
| 238 | -0.0154545 |
| 239 | -0.01525 |
| 240 | -0.015 |
| 241 | -0.015 |
| 242 | -0.0147059 |
| 243 | -0.0144167 |
| 244 | -0.0142857 |

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| 245 | -0.0142857 |
| 246 | -0.014 |
| 247 | -0.0139688 |
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| 250 | -0.0138889 |
| 251 | -0.0136579 |
| 252 | -0.01356 |
| 253 | -0.013375 |
| 254 | -0.013375 |
| 255 | -0.0133514 |
| 256 | -0.0132727 |
| 257 | -0.0130435 |
| 258 | -0.013 |
| 259 | -0.0129412 |
| 260 | -0.0129231 |
| 261 | -0.0128649 |
| 262 | -0.0128387 |
| 263 | -0.0127273 |
| 264 | -0.0127143 |
| 265 | -0.0127 |
| 266 | -0.0125556 |
| 267 | -0.0125 |
| 268 | -0.0125 |
| 269 | -0.0124138 |
| 270 | -0.0124 |
| 271 | -0.0122857 |
| 272 | -0.0120769 |
| 273 | -0.012 |
| 274 | -0.01195 |
| 275 | -0.0119048 |
| 276 | -0.0118889 |
| 277 | -0.0118571 |
| 278 | -0.0118333 |
| 279 | -0.0118182 |
| 280 | -0.0117778 |
| 281 | -0.0116667 |
| 282 | -0.0116364 |
| 283 | -0.0113939 |
| 284 | -0.01125 |
| 285 | -0.01125 |
| 286 | -0.0112083 |
| 287 | -0.0112 |
| 288 | -0.0111765 |
| 289 | -0.0111176 |
| 290 | -0.0111111 |
| 291 | -0.0109091 |
| 292 | -0.0109 |
| 293 | -0.0108636 |
| 294 | -0.0108261 |
| 295 | -0.0107273 |
| 296 | -0.0107143 |
| 297 | -0.0104545 |
| 298 | -0.0104375 |
| 299 | -0.0104167 |
| 300 | -0.0104167 |
| 301 | -0.0104118 |

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| 302 | -0.0103684 |
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| 304 | -0.0103462 |
| 305 | -0.0102812 |
| 306 | -0.01025 |
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| 308 | -0.0101905 |
| 309 | -0.0101818 |
| 310 | -0.01 |
| 311 | -0.01 |
| 312 | -0.01 |
| 313 | -0.01 |
| 314 | -0.01 |
| 315 | -0.00991304 |
| 316 | -0.00985185 |
| 317 | -0.00985 |
| 318 | -0.00976 |
| 319 | -0.00967647 |
| 320 | -0.00961538 |
| 321 | -0.00940741 |
| 322 | -0.0094 |
| 323 | -0.00923077 |
| 324 | -0.00921212 |
| 325 | -0.00917857 |
| 326 | -0.009 |
| 327 | -0.009 |
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| 329 | -0.00892683 |
| 330 | -0.0088 |
| 331 | -0.00867742 |
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| 333 | -0.00863158 |
| 334 | -0.00857143 |
| 335 | -0.00857143 |
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| 339 | -0.00838889 |
| 340 | -0.00834783 |
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| 344 | -0.00818182 |
| 345 | -0.00815152 |
| 346 | -0.00814815 |
| 347 | -0.008125 |
| 348 | -0.00806452 |
| 349 | -0.0080625 |
| 350 | -0.008 |
| 351 | -0.00788235 |
| 352 | -0.007875 |
| 353 | -0.00786667 |
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| 355 | -0.0077037 |
| 356 | -0.007625 |
| 357 | -0.0075 |
| 358 | -0.0075 |

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| 359 | -0.0075 |
| 360 | -0.0075 |
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| 372 | -0.00714286 |
| 373 | -0.00709091 |
| 374 | -0.00708333 |
| 375 | -0.007 |
| 376 | -0.007 |
| 377 | -0.006875 |
| 378 | -0.006875 |
| 379 | -0.00684211 |
| 380 | -0.00684211 |
| 381 | -0.00673171 |
| 382 | -0.0067 |
| 383 | -0.00666667 |
| 384 | -0.00666667 |
| 385 | -0.00654545 |
| 386 | -0.00654545 |
| 387 | -0.00653333 |
| 388 | -0.0065 |
| 389 | -0.00644118 |
| 390 | -0.00644 |
| 391 | -0.00641379 |
| 392 | -0.0062963 |
| 393 | -0.00625 |
| 394 | -0.00625 |
| 395 | -0.0062 |
| 396 | -0.0062 |
| 397 | -0.00619048 |
| 398 | -0.00614286 |
| 399 | -0.00608571 |
| 400 | -0.00608333 |
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| 402 | -0.006 |
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| 405 | -0.00582857 |
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| 407 | -0.00569231 |
| 408 | -0.00564286 |
| 409 | -0.00561905 |
| 410 | -0.00556522 |
| 411 | -0.00554286 |
| 412 | -0.0055 |
| 413 | -0.00543478 |
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| 416 | -0.00535714 |
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| 428 | -0.00485714 |
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| 430 | -0.00472093 |
| 431 | -0.00466667 |
| 432 | -0.00461905 |
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| 438 | -0.00430435 |
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| 440 | -0.004 |
| 441 | -0.004 |
| 442 | -0.004 |
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| 444 | -0.00394118 |
| 445 | -0.00386047 |
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| 447 | -0.00381818 |
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| 449 | -0.00375676 |
| 450 | -0.00375 |
| 451 | -0.00374194 |
| 452 | -0.00369231 |
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| 454 | -0.00366667 |
| 455 | -0.00366667 |
| 456 | -0.00364286 |
| 457 | -0.00363636 |
| 458 | -0.00363636 |
| 459 | -0.00363158 |
| 460 | -0.0036 |
| 461 | -0.0036 |
| 462 | -0.0036 |
| 463 | -0.0035641 |
| 464 | -0.00346667 |
| 465 | -0.00344 |
| 466 | -0.00341379 |
| 467 | -0.00337931 |
| 468 | -0.00333333 |
| 469 | -0.00326829 |
| 470 | -0.00323529 |
| 471 | -0.00322222 |
| 472 | -0.00321429 |

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| 473 | -0.00319355 |
| 474 | -0.00318182 |
| 475 | -0.00316667 |
| 476 | -0.00316667 |
| 477 | -0.00314286 |
| 478 | -0.00313636 |
| 479 | -0.00309091 |
| 480 | -0.00308333 |
| 481 | -0.00308333 |
| 482 | -0.00304167 |
| 483 | -0.00303846 |
| 484 | -0.003 |
| 485 | -0.003 |
| 486 | -0.003 |
| 487 | -0.00295455 |
| 488 | -0.00290476 |
| 489 | -0.002875 |
| 490 | -0.00285714 |
| 491 | -0.0028 |
| 492 | -0.00275 |
| 493 | -0.00272727 |
| 494 | -0.00271795 |
| 495 | -0.00271429 |
| 496 | -0.00263158 |
| 497 | -0.0026087 |
| 498 | -0.0026087 |
| 499 | -0.00257143 |
| 500 | -0.00256 |
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| 507 | -0.00229545 |
| 508 | -0.00226667 |
| 509 | -0.00225 |
| 510 | -0.00222222 |
| 511 | -0.00218182 |
| 512 | -0.00212903 |
| 513 | -0.00211111 |
| 514 | -0.00210526 |
| 515 | -0.0020303 |
| 516 | -0.002 |
| 517 | -0.002 |
| 518 | -0.002 |
| 519 | -0.002 |
| 520 | -0.00191304 |
| 521 | -0.00190909 |
| 522 | -0.001875 |
| 523 | -0.00186957 |
| 524 | -0.00178947 |
| 525 | -0.00172727 |
| 526 | -0.00169231 |
| 527 | -0.00161111 |
| 528 | -0.00155263 |
| 529 | -0.001475 |

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| 530 | -0.00146154 |
| 531 | -0.0014375 |
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| 533 | -0.00142857 |
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| 535 | -0.00141176 |
| 536 | -0.00133333 |
| 537 | -0.00129032 |
| 538 | -0.00121053 |
| 539 | -0.0012 |
| 540 | -0.00115385 |
| 541 | -0.00113043 |
| 542 | -0.00108 |
| 543 | -0.00104762 |
| 544 | -0.0009 |
| 545 | -0.000878788 |
| 546 | -0.000871795 |
| 547 | -0.000828571 |
| 548 | -0.00071875 |
| 549 | -0.0007 |
| 550 | -0.0006 |
| 551 | -0.0005625 |
| 552 | -0.000516129 |
| 553 | -0.000473684 |
| 554 | -0.000428571 |
| 555 | -0.000384615 |
| 556 | -0.000375 |
| 557 | -0.000333333 |
| 558 | -0.000285714 |
| 559 | -0.000277778 |
| 560 | -0.000266667 |
| 561 | -0.00026087 |
| 562 | -0.000216216 |
| 563 | -0.0002 |
| 564 | -0.000173913 |
| 565 | -0.00012766 |
| 566 | -0.000117647 |
| 567 | -8.51064e-05 |
| 568 | -8.33333e-05 |
| 569 | 0 |
| 570 | 0 |
| 571 | 0 |
| 572 | 0 |
| 573 | 0 |
| 574 | 0 |
| 575 | 0 |
| 576 | 0 |
| 577 | 0 |
| 578 | 0 |
| 579 | 0 |
| 580 | 0 |
| 581 | 0 |
| 582 | 0 |
| 583 | 0 |
| 584 | 0 |
| 585 | 0 |
| 586 | 0 |

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| 587 | 0 |
| 588 | 0 |
| 589 | 0 |
| 590 | 0 |
| 591 | 0 |
| 592 | 0 |
| 593 | 0 |
| 594 | 0 |
| 595 | 0 |
| 596 | 0 |
| 597 | 0 |
| 598 | 0 |
| 599 | 0 |
| 600 | 5.71429e-05 |
| 601 | 7.14286e-05 |
| 602 | 0.000166667 |
| 603 | 0.000333333 |
| 604 | 0.000382353 |
| 605 | 0.000444444 |
| 606 | 0.000571429 |
| 607 | 0.000576923 |
| 608 | 0.0006 |
| 609 | 0.000615385 |
| 610 | 0.000625 |
| 611 | 0.000692308 |
| 612 | 0.0007 |
| 613 | 0.00075 |
| 614 | 0.0008 |
| 615 | 0.000818182 |
| 616 | 0.000833333 |
| 617 | 0.000833333 |
| 618 | 0.000846154 |
| 619 | 0.00088 |
| 620 | 0.000916667 |
| 621 | 0.000923077 |
| 622 | 0.000933333 |
| 623 | 0.00096875 |
| 624 | 0.001 |
| 625 | 0.00103333 |
| 626 | 0.00105 |
| 627 | 0.00106897 |
| 628 | 0.00109091 |
| 629 | 0.00110714 |
| 630 | 0.00114815 |
| 631 | 0.00115789 |
| 632 | 0.00116 |
| 633 | 0.00119231 |
| 634 | 0.0012 |
| 635 | 0.0012 |
| 636 | 0.00122222 |
| 637 | 0.00123684 |
| 638 | 0.00125 |
| 639 | 0.00125 |
| 640 | 0.00126316 |
| 641 | 0.00130769 |
| 642 | 0.00131579 |
| 643 | 0.00133333 |

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| 644 | 0.00133333 |
| 645 | 0.00136842 |
| 646 | 0.001375 |
| 647 | 0.00142857 |
| 648 | 0.00142857 |
| 649 | 0.00144444 |
| 650 | 0.00146667 |
| 651 | 0.00148276 |
| 652 | 0.00151613 |
| 653 | 0.00154545 |
| 654 | 0.00155 |
| 655 | 0.00157143 |
| 656 | 0.00158333 |
| 657 | 0.00158824 |
| 658 | 0.0016 |
| 659 | 0.00166667 |
| 660 | 0.00172222 |
| 661 | 0.0017561 |
| 662 | 0.00180645 |
| 663 | 0.00187879 |
| 664 | 0.00192857 |
| 665 | 0.002 |
| 666 | 0.0020625 |
| 667 | 0.00206667 |
| 668 | 0.00207407 |
| 669 | 0.00210256 |
| 670 | 0.002125 |
| 671 | 0.00213636 |
| 672 | 0.00215385 |
| 673 | 0.00217391 |
| 674 | 0.00217647 |
| 675 | 0.00218605 |
| 676 | 0.00219048 |
| 677 | 0.002225 |
| 678 | 0.00230769 |
| 679 | 0.00232143 |
| 680 | 0.00233333 |
| 681 | 0.00233333 |
| 682 | 0.00236585 |
| 683 | 0.00238462 |
| 684 | 0.00239286 |
| 685 | 0.00239394 |
| 686 | 0.0024 |
| 687 | 0.0024 |
| 688 | 0.00246512 |
| 689 | 0.0025 |
| 690 | 0.00258333 |
| 691 | 0.00263158 |
| 692 | 0.00263158 |
| 693 | 0.00264286 |
| 694 | 0.00266667 |
| 695 | 0.00272727 |
| 696 | 0.00283333 |
| 697 | 0.00283721 |
| 698 | 0.00285 |
| 699 | 0.00285185 |
| 700 | 0.00285714 |

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| 701 | 0.00294737 |
| 702 | 0.00302381 |
| 703 | 0.00305882 |
| 704 | 0.0031 |
| 705 | 0.0031 |
| 706 | 0.0031 |
| 707 | 0.00311111 |
| 708 | 0.00311111 |
| 709 | 0.00314286 |
| 710 | 0.0032 |
| 711 | 0.0032 |
| 712 | 0.00321951 |
| 713 | 0.00326316 |
| 714 | 0.00326667 |
| 715 | 0.00328571 |
| 716 | 0.00333333 |
| 717 | 0.00333333 |
| 718 | 0.00344444 |
| 719 | 0.0035 |
| 720 | 0.00357143 |
| 721 | 0.00363636 |
| 722 | 0.00363636 |
| 723 | 0.0037931 |
| 724 | 0.0038 |
| 725 | 0.00381818 |
| 726 | 0.00382051 |
| 727 | 0.003875 |
| 728 | 0.00389474 |
| 729 | 0.00396154 |
| 730 | 0.004 |
| 731 | 0.004 |
| 732 | 0.00402273 |
| 733 | 0.00415 |
| 734 | 0.0042 |
| 735 | 0.00423529 |
| 736 | 0.00428571 |
| 737 | 0.00428571 |
| 738 | 0.00434483 |
| 739 | 0.00442105 |
| 740 | 0.00443478 |
| 741 | 0.00444444 |
| 742 | 0.00447826 |
| 743 | 0.00448649 |
| 744 | 0.0045 |
| 745 | 0.00454545 |
| 746 | 0.00458824 |
| 747 | 0.00459091 |
| 748 | 0.00461111 |
| 749 | 0.00462857 |
| 750 | 0.00465625 |
| 751 | 0.00466667 |
| 752 | 0.00468182 |
| 753 | 0.0047381 |
| 754 | 0.0049 |
| 755 | 0.00494118 |
| 756 | 0.005 |
| 757 | 0.005 |

| | |
|---|---|
| 758 | 0.005 |
| 759 | 0.00504762 |
| 760 | 0.00509091 |
| 761 | 0.00515385 |
| 762 | 0.00516129 |
| 763 | 0.00521212 |
| 764 | 0.00524324 |
| 765 | 0.00525 |
| 766 | 0.00525714 |
| 767 | 0.00532558 |
| 768 | 0.00533333 |
| 769 | 0.00551351 |
| 770 | 0.00558621 |
| 771 | 0.00571111 |
| 772 | 0.00571429 |
| 773 | 0.00573333 |
| 774 | 0.00575 |
| 775 | 0.00582759 |
| 776 | 0.00585714 |
| 777 | 0.00588235 |
| 778 | 0.00588889 |
| 779 | 0.00588889 |
| 780 | 0.00589474 |
| 781 | 0.00592857 |
| 782 | 0.00593548 |
| 783 | 0.00594872 |
| 784 | 0.006 |
| 785 | 0.00602778 |
| 786 | 0.00608 |
| 787 | 0.0062 |
| 788 | 0.0062 |
| 789 | 0.00622222 |
| 790 | 0.00625 |
| 791 | 0.00637037 |
| 792 | 0.00639286 |
| 793 | 0.00654054 |
| 794 | 0.00657143 |
| 795 | 0.0066 |
| 796 | 0.006625 |
| 797 | 0.00666667 |
| 798 | 0.00682353 |
| 799 | 0.00683333 |
| 800 | 0.00685 |
| 801 | 0.00685714 |
| 802 | 0.00685714 |
| 803 | 0.006875 |
| 804 | 0.006875 |
| 805 | 0.00690909 |
| 806 | 0.007 |
| 807 | 0.007 |
| 808 | 0.007 |
| 809 | 0.007 |
| 810 | 0.00704545 |
| 811 | 0.00706667 |
| 812 | 0.00716667 |
| 813 | 0.007175 |
| 814 | 0.00721739 |

| | |
|---|---|
| 815 | 0.00723333 |
| 816 | 0.0072381 |
| 817 | 0.00727273 |
| 818 | 0.00729167 |
| 819 | 0.0073125 |
| 820 | 0.00735714 |
| 821 | 0.007375 |
| 822 | 0.00745455 |
| 823 | 0.0075 |
| 824 | 0.0075 |
| 825 | 0.00756522 |
| 826 | 0.00757143 |
| 827 | 0.00757143 |
| 828 | 0.00776923 |
| 829 | 0.00780435 |
| 830 | 0.00781818 |
| 831 | 0.008 |
| 832 | 0.008 |
| 833 | 0.00811111 |
| 834 | 0.0083 |
| 835 | 0.00833333 |
| 836 | 0.00846154 |
| 837 | 0.0085 |
| 838 | 0.0085 |
| 839 | 0.0085 |
| 840 | 0.00851724 |
| 841 | 0.00857143 |
| 842 | 0.00862162 |
| 843 | 0.00863415 |
| 844 | 0.00869565 |
| 845 | 0.00884615 |
| 846 | 0.00884848 |
| 847 | 0.00888235 |
| 848 | 0.009 |
| 849 | 0.0091 |
| 850 | 0.009125 |
| 851 | 0.00916667 |
| 852 | 0.00922222 |
| 853 | 0.0092381 |
| 854 | 0.00937838 |
| 855 | 0.00942857 |
| 856 | 0.0094878 |
| 857 | 0.00974194 |
| 858 | 0.00980952 |
| 859 | 0.0098125 |
| 860 | 0.01 |
| 861 | 0.01 |
| 862 | 0.01 |
| 863 | 0.01 |
| 864 | 0.0100667 |
| 865 | 0.01008 |
| 866 | 0.010125 |
| 867 | 0.0101379 |
| 868 | 0.0102059 |
| 869 | 0.0102222 |
| 870 | 0.0102903 |
| 871 | 0.0103333 |

| | |
|---|---|
| 872 | 0.0103333 |
| 873 | 0.0103846 |
| 874 | 0.0104737 |
| 875 | 0.0105152 |
| 876 | 0.0106667 |
| 877 | 0.0106667 |
| 878 | 0.0108824 |
| 879 | 0.011 |
| 880 | 0.0111111 |
| 881 | 0.0111667 |
| 882 | 0.0111765 |
| 883 | 0.0111905 |
| 884 | 0.0112857 |
| 885 | 0.0113077 |
| 886 | 0.0113684 |
| 887 | 0.0113913 |
| 888 | 0.0114444 |
| 889 | 0.0115 |
| 890 | 0.0115714 |
| 891 | 0.0116333 |
| 892 | 0.0116667 |
| 893 | 0.0116923 |
| 894 | 0.01176 |
| 895 | 0.0117647 |
| 896 | 0.0118077 |
| 897 | 0.0118158 |
| 898 | 0.0118636 |
| 899 | 0.0120769 |
| 900 | 0.0121667 |
| 901 | 0.0122222 |
| 902 | 0.01225 |
| 903 | 0.0122667 |
| 904 | 0.0125 |
| 905 | 0.0125 |
| 906 | 0.0125882 |
| 907 | 0.0126667 |
| 908 | 0.0126842 |
| 909 | 0.0127273 |
| 910 | 0.0127692 |
| 911 | 0.0128286 |
| 912 | 0.0130556 |
| 913 | 0.0132059 |
| 914 | 0.0133333 |
| 915 | 0.0134545 |
| 916 | 0.0135 |
| 917 | 0.0137273 |
| 918 | 0.01375 |
| 919 | 0.01376 |
| 920 | 0.0138235 |
| 921 | 0.01388 |
| 922 | 0.014 |
| 923 | 0.014 |
| 924 | 0.0141111 |
| 925 | 0.0141538 |
| 926 | 0.0141538 |
| 927 | 0.014375 |
| 928 | 0.0148 |

| | |
|---|---|
| 929 | 0.0148571 |
| 930 | 0.015 |
| 931 | 0.015 |
| 932 | 0.015 |
| 933 | 0.0151481 |
| 934 | 0.0153103 |
| 935 | 0.0153684 |
| 936 | 0.0154091 |
| 937 | 0.0155556 |
| 938 | 0.0157143 |
| 939 | 0.0157143 |
| 940 | 0.0157826 |
| 941 | 0.0158824 |
| 942 | 0.0161538 |
| 943 | 0.01625 |
| 944 | 0.0164286 |
| 945 | 0.0165 |
| 946 | 0.0166667 |
| 947 | 0.0166667 |
| 948 | 0.0166667 |
| 949 | 0.0166667 |
| 950 | 0.016875 |
| 951 | 0.0170909 |
| 952 | 0.0171429 |
| 953 | 0.01715 |
| 954 | 0.0171667 |
| 955 | 0.0172222 |
| 956 | 0.0172692 |
| 957 | 0.0172941 |
| 958 | 0.01735 |
| 959 | 0.0174167 |
| 960 | 0.0175 |
| 961 | 0.0175 |
| 962 | 0.0176667 |
| 963 | 0.0176667 |
| 964 | 0.0177647 |
| 965 | 0.0180556 |
| 966 | 0.01825 |
| 967 | 0.0183333 |
| 968 | 0.0183636 |
| 969 | 0.0185714 |
| 970 | 0.0186154 |
| 971 | 0.0186667 |
| 972 | 0.01875 |
| 973 | 0.0189 |
| 974 | 0.019 |
| 975 | 0.0195 |
| 976 | 0.0196471 |
| 977 | 0.0198889 |
| 978 | 0.02 |
| 979 | 0.02 |
| 980 | 0.0204118 |
| 981 | 0.0208571 |
| 982 | 0.0211429 |
| 983 | 0.0212143 |
| 984 | 0.021381 |
| 985 | 0.0215385 |

| | |
|---|---|
| 986 | 0.0215714 |
| 987 | 0.0216667 |
| 988 | 0.0216667 |
| 989 | 0.0221818 |
| 990 | 0.0222727 |
| 991 | 0.0223077 |
| 992 | 0.0224737 |
| 993 | 0.0225 |
| 994 | 0.0225333 |
| 995 | 0.0228462 |
| 996 | 0.0229091 |
| 997 | 0.023 |
| 998 | 0.0231333 |
| 999 | 0.024 |
| 1000 | 0.0241667 |
| 1001 | 0.0241667 |
| 1002 | 0.0245 |
| 1003 | 0.0245 |
| 1004 | 0.0248333 |
| 1005 | 0.024875 |
| 1006 | 0.0249444 |
| 1007 | 0.025 |
| 1008 | 0.025 |
| 1009 | 0.025 |
| 1010 | 0.025 |
| 1011 | 0.0251667 |
| 1012 | 0.02575 |
| 1013 | 0.0261111 |
| 1014 | 0.0266 |
| 1015 | 0.0266667 |
| 1016 | 0.0266667 |
| 1017 | 0.027 |
| 1018 | 0.0271111 |
| 1019 | 0.0272 |
| 1020 | 0.0275 |
| 1021 | 0.0275 |
| 1022 | 0.0275 |
| 1023 | 0.02775 |
| 1024 | 0.0280625 |
| 1025 | 0.0286667 |
| 1026 | 0.0288333 |
| 1027 | 0.0294118 |
| 1028 | 0.03 |
| 1029 | 0.03 |
| 1030 | 0.0301429 |
| 1031 | 0.0304 |
| 1032 | 0.0306 |
| 1033 | 0.0311111 |
| 1034 | 0.0316667 |
| 1035 | 0.032 |
| 1036 | 0.0323077 |
| 1037 | 0.0324444 |
| 1038 | 0.0325 |
| 1039 | 0.0326667 |
| 1040 | 0.034 |
| 1041 | 0.0341538 |
| 1042 | 0.0347 |

| | |
|---|---|
| 1043 | 0.035 |
| 1044 | 0.0355 |
| 1045 | 0.0365 |
| 1046 | 0.03675 |
| 1047 | 0.0373333 |
| 1048 | 0.0375 |
| 1049 | 0.038 |
| 1050 | 0.0380769 |
| 1051 | 0.0385714 |
| 1052 | 0.03875 |
| 1053 | 0.0394 |
| 1054 | 0.0394286 |
| 1055 | 0.0396667 |
| 1056 | 0.04 |
| 1057 | 0.040303 |
| 1058 | 0.0403636 |
| 1059 | 0.0405556 |
| 1060 | 0.040625 |
| 1061 | 0.0406667 |
| 1062 | 0.0408182 |
| 1063 | 0.042 |
| 1064 | 0.042 |
| 1065 | 0.043 |
| 1066 | 0.0431034 |
| 1067 | 0.0431429 |
| 1068 | 0.0433333 |
| 1069 | 0.0433333 |
| 1070 | 0.0433333 |
| 1071 | 0.0435 |
| 1072 | 0.045 |
| 1073 | 0.045 |
| 1074 | 0.0451429 |
| 1075 | 0.0466667 |
| 1076 | 0.0466667 |
| 1077 | 0.0466667 |
| 1078 | 0.0466667 |
| 1079 | 0.047 |
| 1080 | 0.0471429 |
| 1081 | 0.0472 |
| 1082 | 0.0480645 |
| 1083 | 0.0483333 |
| 1084 | 0.0485 |
| 1085 | 0.0485714 |
| 1086 | 0.0487143 |
| 1087 | 0.05 |
| 1088 | 0.05 |
| 1089 | 0.05 |
| 1090 | 0.05 |
| 1091 | 0.0506667 |
| 1092 | 0.051 |
| 1093 | 0.051 |
| 1094 | 0.0513043 |
| 1095 | 0.0516667 |
| 1096 | 0.05225 |
| 1097 | 0.0525926 |
| 1098 | 0.055 |
| 1099 | 0.055 |

| | |
|---|---|
| 1100 | 0.0553571 |
| 1101 | 0.056 |
| 1102 | 0.0561429 |
| 1103 | 0.0568182 |
| 1104 | 0.05875 |
| 1105 | 0.06 |
| 1106 | 0.0616 |
| 1107 | 0.062 |
| 1108 | 0.0632 |
| 1109 | 0.0636667 |
| 1110 | 0.064 |
| 1111 | 0.0645833 |
| 1112 | 0.06525 |
| 1113 | 0.0668421 |
| 1114 | 0.067619 |
| 1115 | 0.06775 |
| 1116 | 0.0683333 |
| 1117 | 0.0696667 |
| 1118 | 0.0711111 |
| 1119 | 0.0725 |
| 1120 | 0.074 |
| 1121 | 0.074 |
| 1122 | 0.075 |
| 1123 | 0.0753333 |
| 1124 | 0.0785 |
| 1125 | 0.08 |
| 1126 | 0.0815 |
| 1127 | 0.082 |
| 1128 | 0.082 |
| 1129 | 0.0825 |
| 1130 | 0.085 |
| 1131 | 0.0866667 |
| 1132 | 0.0883333 |
| 1133 | 0.0888235 |
| 1134 | 0.0932143 |
| 1135 | 0.096875 |
| 1136 | 0.1 |
| 1137 | 0.1 |
| 1138 | 0.102 |
| 1139 | 0.106 |
| 1140 | 0.1065 |
| 1141 | 0.108 |
| 1142 | 0.112615 |
| 1143 | 0.12 |
| 1144 | 0.12 |
| 1145 | 0.1225 |
| 1146 | 0.13 |
| 1147 | 0.1355 |
| 1148 | 0.137667 |
| 1149 | 0.140909 |
| 1150 | 0.1444 |
| 1151 | 0.147 |
| 1152 | 0.15 |
| 1153 | 0.165 |
| 1154 | 0.169778 |
| 1155 | 0.18 |
| 1156 | 0.185 |

| | |
|---|---|
| 1157 | 0.187857 |
| 1158 | 0.19 |
| 1159 | 0.19375 |
| 1160 | 0.194 |
| 1161 | 0.23 |
| 1162 | 0.235 |
| 1163 | 0.258333 |
| 1164 | 0.28 |
| 1165 | 0.28 |
| 1166 | 0.3 |
| 1167 | 0.3 |
| 1168 | 0.305 |
| 1169 | 0.37 |
| 1170 | 0.38 |
| 1171 | 0.413 |
| 1172 | 0.42 |
| 1173 | 0.43 |
| 1174 | 0.466 |
| 1175 | 0.7235 |
| 1176 | 1.55 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.55 | 2 |
| 2 | 0.25 | 8 |
| 3 | 0.38 | 2 |
| 4 | 0.281 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/29/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |

| | |
|---|---|
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 1230
B = 0
C = 336
D = 0
E = 62
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13390.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.337
M1 = (1176 - 190.337)/2.0 = 492.832
M2 = (1176 + 190.337)/2.0 + 1 = 684.168
Lower limit is -0.00272727 = Q(493)
Upper limit is 0.00239286 = Q(684)
-0.00272727 < 0 < 0.00239286 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SS 13
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.72 (5/8/2013) | 0.78 (3/12/2013) | (0.72 - 0.78)/(2 - 1) | -0.06 |
| 0.84 (9/23/2013) | 0.78 (3/12/2013) | (0.84 - 0.78)/(3 - 1) | 0.03 |
| 0.67 (12/10/2013) | 0.78 (3/12/2013) | (0.67 - 0.78)/(4 - 1) | -0.0366667 |
| 0.44 (2/6/2014) | 0.78 (3/12/2013) | (0.44 - 0.78)/(5 - 1) | -0.085 |
| 0.52 (6/26/2014) | 0.78 (3/12/2013) | (0.52 - 0.78)/(6 - 1) | -0.052 |
| 0.44 (9/30/2014) | 0.78 (3/12/2013) | (0.44 - 0.78)/(7 - 1) | -0.0566667 |
| 0.4 (11/19/2014) | 0.78 (3/12/2013) | (0.4 - 0.78)/(8 - 1) | -0.0542857 |
| 0.71 (3/23/2015) | 0.78 (3/12/2013) | (0.71 - 0.78)/(9 - 1) | -0.00875 |
| 0.67 (4/22/2015) | 0.78 (3/12/2013) | (0.67 - 0.78)/(10 - 1) | -0.0122222 |
| 0.52 (9/30/2015) | 0.78 (3/12/2013) | (0.52 - 0.78)/(11 - 1) | -0.026 |
| 0.97 (11/19/2015) | 0.78 (3/12/2013) | (0.97 - 0.78)/(12 - 1) | 0.0172727 |
| ND<0.25 U (3/15/2016) | 0.78 (3/12/2013) | (0.25 - 0.78)/(13 - 1) | -0.0441667 |
| 0.53 (6/29/2016) | 0.78 (3/12/2013) | (0.53 - 0.78)/(14 - 1) | -0.0192308 |
| 0.73 (8/9/2016) | 0.78 (3/12/2013) | (0.73 - 0.78)/(15 - 1) | -0.00357143 |
| 0.45 (12/7/2016) | 0.78 (3/12/2013) | (0.45 - 0.78)/(16 - 1) | -0.022 |
| 0.75 (3/2/2017) | 0.78 (3/12/2013) | (0.75 - 0.78)/(17 - 1) | -0.001875 |
| 0.82 (6/21/2017) | 0.78 (3/12/2013) | (0.82 - 0.78)/(18 - 1) | 0.00235294 |
| 0.81 (8/17/2017) | 0.78 (3/12/2013) | (0.81 - 0.78)/(19 - 1) | 0.00166667 |
| 0.6 (10/26/2017) | 0.78 (3/12/2013) | (0.6 - 0.78)/(20 - 1) | -0.00947368 |
| ND<0.25 U (3/27/2018) | 0.78 (3/12/2013) | (0.25 - 0.78)/(21 - 1) | -0.0265 |
| 0.998 (6/26/2018) | 0.78 (3/12/2013) | (0.998 - 0.78)/(22 - 1) | 0.010381 |
| 1.18 (8/1/2018) | 0.78 (3/12/2013) | (1.18 - 0.78)/(23 - 1) | 0.0181818 |
| 0.655 (12/11/2018) | 0.78 (3/12/2013) | (0.655 - 0.78)/(24 - 1) | -0.00543478 |
| 0.624 (4/17/2019) | 0.78 (3/12/2013) | (0.624 - 0.78)/(25 - 1) | -0.0065 |
| 0.929 (6/11/2019) | 0.78 (3/12/2013) | (0.929 - 0.78)/(26 - 1) | 0.00596 |
| 1.17 (8/28/2019) | 0.78 (3/12/2013) | (1.17 - 0.78)/(27 - 1) | 0.015 |
| 0.739 (10/28/2019) | 0.78 (3/12/2013) | (0.739 - 0.78)/(28 - 1) | -0.00151852 |
| 0.928 (3/31/2020) | 0.78 (3/12/2013) | (0.928 - 0.78)/(29 - 1) | 0.00528571 |
| 0.492 (6/10/2020) | 0.78 (3/12/2013) | (0.492 - 0.78)/(30 - 1) | -0.00993103 |
| ND<0.25 U (9/21/2020) | 0.78 (3/12/2013) | (0.25 - 0.78)/(31 - 1) | -0.0176667 |
| 0.432 (12/17/2020) | 0.78 (3/12/2013) | (0.432 - 0.78)/(32 - 1) | -0.0112258 |
| 0.926 (3/18/2021) | 0.78 (3/12/2013) | (0.926 - 0.78)/(33 - 1) | 0.0045625 |
| 1.41 (5/5/2021) | 0.78 (3/12/2013) | (1.41 - 0.78)/(34 - 1) | 0.0190909 |
| 1.33 (9/2/2021) | 0.78 (3/12/2013) | (1.33 - 0.78)/(35 - 1) | 0.0161765 |
| 0.33 (11/23/2021) | 0.78 (3/12/2013) | (0.33 - 0.78)/(36 - 1) | -0.0128571 |
| 0.725 (1/10/2022) | 0.78 (3/12/2013) | (0.725 - 0.78)/(37 - 1) | -0.00152778 |
| 0.886 (4/7/2022) | 0.78 (3/12/2013) | (0.886 - 0.78)/(38 - 1) | 0.00286486 |
| 1.65 (8/3/2022) | 0.78 (3/12/2013) | (1.65 - 0.78)/(39 - 1) | 0.0228947 |
| 0.26 (11/16/2022) | 0.78 (3/12/2013) | (0.26 - 0.78)/(40 - 1) | -0.0133333 |
| 1 (2/13/2023) | 0.78 (3/12/2013) | (1 - 0.78)/(41 - 1) | 0.0055 |
| 0.903 (5/24/2023) | 0.78 (3/12/2013) | (0.903 - 0.78)/(42 - 1) | 0.003 |
| 0.825 (8/7/2023) | 0.78 (3/12/2013) | (0.825 - 0.78)/(43 - 1) | 0.00107143 |
| 0.744 (12/12/2023) | 0.78 (3/12/2013) | (0.744 - 0.78)/(44 - 1) | -0.000837209 |
| 1.72 (1/10/2024) | 0.78 (3/12/2013) | (1.72 - 0.78)/(45 - 1) | 0.0213636 |
| 0.51 (5/20/2024) | 0.78 (3/12/2013) | (0.51 - 0.78)/(46 - 1) | -0.006 |
| 0.877 (9/16/2024) | 0.78 (3/12/2013) | (0.877 - 0.78)/(47 - 1) | 0.0021087 |
| 1.25 (12/11/2024) | 0.78 (3/12/2013) | (1.25 - 0.78)/(48 - 1) | 0.01 |
| 0.648 (2/18/2025) | 0.78 (3/12/2013) | (0.648 - 0.78)/(49 - 1) | -0.00275 |

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|---|---|---|---|
| 0.84 (9/23/2013) | 0.72 (5/8/2013) | (0.84 - 0.72)/(3 - 2) | 0.12 |
| 0.67 (12/10/2013) | 0.72 (5/8/2013) | (0.67 - 0.72)/(4 - 2) | -0.025 |
| 0.44 (2/6/2014) | 0.72 (5/8/2013) | (0.44 - 0.72)/(5 - 2) | -0.0933333 |
| 0.52 (6/26/2014) | 0.72 (5/8/2013) | (0.52 - 0.72)/(6 - 2) | -0.05 |
| 0.44 (9/30/2014) | 0.72 (5/8/2013) | (0.44 - 0.72)/(7 - 2) | -0.056 |
| 0.4 (11/19/2014) | 0.72 (5/8/2013) | (0.4 - 0.72)/(8 - 2) | -0.0533333 |
| 0.71 (3/23/2015) | 0.72 (5/8/2013) | (0.71 - 0.72)/(9 - 2) | -0.00142857 |
| 0.67 (4/22/2015) | 0.72 (5/8/2013) | (0.67 - 0.72)/(10 - 2) | -0.00625 |
| 0.52 (9/30/2015) | 0.72 (5/8/2013) | (0.52 - 0.72)/(11 - 2) | -0.0222222 |
| 0.97 (11/19/2015) | 0.72 (5/8/2013) | (0.97 - 0.72)/(12 - 2) | 0.025 |
| ND<0.25 U (3/15/2016) | 0.72 (5/8/2013) | (0.25 - 0.72)/(13 - 2) | -0.0427273 |
| 0.53 (6/29/2016) | 0.72 (5/8/2013) | (0.53 - 0.72)/(14 - 2) | -0.0158333 |
| 0.73 (8/9/2016) | 0.72 (5/8/2013) | (0.73 - 0.72)/(15 - 2) | 0.000769231 |
| 0.45 (12/7/2016) | 0.72 (5/8/2013) | (0.45 - 0.72)/(16 - 2) | -0.0192857 |
| 0.75 (3/2/2017) | 0.72 (5/8/2013) | (0.75 - 0.72)/(17 - 2) | 0.002 |
| 0.82 (6/21/2017) | 0.72 (5/8/2013) | (0.82 - 0.72)/(18 - 2) | 0.00625 |
| 0.81 (8/17/2017) | 0.72 (5/8/2013) | (0.81 - 0.72)/(19 - 2) | 0.00529412 |
| 0.6 (10/26/2017) | 0.72 (5/8/2013) | (0.6 - 0.72)/(20 - 2) | -0.00666667 |
| ND<0.25 U (3/27/2018) | 0.72 (5/8/2013) | (0.25 - 0.72)/(21 - 2) | -0.0247368 |
| 0.998 (6/26/2018) | 0.72 (5/8/2013) | (0.998 - 0.72)/(22 - 2) | 0.0139 |
| 1.18 (8/1/2018) | 0.72 (5/8/2013) | (1.18 - 0.72)/(23 - 2) | 0.0219048 |
| 0.655 (12/11/2018) | 0.72 (5/8/2013) | (0.655 - 0.72)/(24 - 2) | -0.00295455 |
| 0.624 (4/17/2019) | 0.72 (5/8/2013) | (0.624 - 0.72)/(25 - 2) | -0.00417391 |
| 0.929 (6/11/2019) | 0.72 (5/8/2013) | (0.929 - 0.72)/(26 - 2) | 0.00870833 |
| 1.17 (8/28/2019) | 0.72 (5/8/2013) | (1.17 - 0.72)/(27 - 2) | 0.018 |
| 0.739 (10/28/2019) | 0.72 (5/8/2013) | (0.739 - 0.72)/(28 - 2) | 0.000730769 |
| 0.928 (3/31/2020) | 0.72 (5/8/2013) | (0.928 - 0.72)/(29 - 2) | 0.0077037 |
| 0.492 (6/10/2020) | 0.72 (5/8/2013) | (0.492 - 0.72)/(30 - 2) | -0.00814286 |
| ND<0.25 U (9/21/2020) | 0.72 (5/8/2013) | (0.25 - 0.72)/(31 - 2) | -0.0162069 |
| 0.432 (12/17/2020) | 0.72 (5/8/2013) | (0.432 - 0.72)/(32 - 2) | -0.0096 |
| 0.926 (3/18/2021) | 0.72 (5/8/2013) | (0.926 - 0.72)/(33 - 2) | 0.00664516 |
| 1.41 (5/5/2021) | 0.72 (5/8/2013) | (1.41 - 0.72)/(34 - 2) | 0.0215625 |
| 1.33 (9/2/2021) | 0.72 (5/8/2013) | (1.33 - 0.72)/(35 - 2) | 0.0184848 |
| 0.33 (11/23/2021) | 0.72 (5/8/2013) | (0.33 - 0.72)/(36 - 2) | -0.0114706 |
| 0.725 (1/10/2022) | 0.72 (5/8/2013) | (0.725 - 0.72)/(37 - 2) | 0.000142857 |
| 0.886 (4/7/2022) | 0.72 (5/8/2013) | (0.886 - 0.72)/(38 - 2) | 0.00461111 |
| 1.65 (8/3/2022) | 0.72 (5/8/2013) | (1.65 - 0.72)/(39 - 2) | 0.0251351 |
| 0.26 (11/16/2022) | 0.72 (5/8/2013) | (0.26 - 0.72)/(40 - 2) | -0.0121053 |
| 1 (2/13/2023) | 0.72 (5/8/2013) | (1 - 0.72)/(41 - 2) | 0.00717949 |
| 0.903 (5/24/2023) | 0.72 (5/8/2013) | (0.903 - 0.72)/(42 - 2) | 0.004575 |
| 0.825 (8/7/2023) | 0.72 (5/8/2013) | (0.825 - 0.72)/(43 - 2) | 0.00256098 |
| 0.744 (12/12/2023) | 0.72 (5/8/2013) | (0.744 - 0.72)/(44 - 2) | 0.000571429 |
| 1.72 (1/10/2024) | 0.72 (5/8/2013) | (1.72 - 0.72)/(45 - 2) | 0.0232558 |
| 0.51 (5/20/2024) | 0.72 (5/8/2013) | (0.51 - 0.72)/(46 - 2) | -0.00477273 |
| 0.877 (9/16/2024) | 0.72 (5/8/2013) | (0.877 - 0.72)/(47 - 2) | 0.00348889 |
| 1.25 (12/11/2024) | 0.72 (5/8/2013) | (1.25 - 0.72)/(48 - 2) | 0.0115217 |
| 0.648 (2/18/2025) | 0.72 (5/8/2013) | (0.648 - 0.72)/(49 - 2) | -0.00153191 |
| | | | |
| 0.67 (12/10/2013) | 0.84 (9/23/2013) | (0.67 - 0.84)/(4 - 3) | -0.17 |
| 0.44 (2/6/2014) | 0.84 (9/23/2013) | (0.44 - 0.84)/(5 - 3) | -0.2 |
| 0.52 (6/26/2014) | 0.84 (9/23/2013) | (0.52 - 0.84)/(6 - 3) | -0.106667 |
| 0.44 (9/30/2014) | 0.84 (9/23/2013) | (0.44 - 0.84)/(7 - 3) | -0.1 |
| 0.4 (11/19/2014) | 0.84 (9/23/2013) | (0.4 - 0.84)/(8 - 3) | -0.088 |
| 0.71 (3/23/2015) | 0.84 (9/23/2013) | (0.71 - 0.84)/(9 - 3) | -0.0216667 |
| 0.67 (4/22/2015) | 0.84 (9/23/2013) | (0.67 - 0.84)/(10 - 3) | -0.0242857 |
| 0.52 (9/30/2015) | 0.84 (9/23/2013) | (0.52 - 0.84)/(11 - 3) | -0.04 |

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|---|---|---|---|
| 0.97 (11/19/2015) | 0.84 (9/23/2013) | (0.97 - 0.84)/(12 - 3) | 0.0144444 |
| ND<0.25 U (3/15/2016) | 0.84 (9/23/2013) | (0.25 - 0.84)/(13 - 3) | -0.059 |
| 0.53 (6/29/2016) | 0.84 (9/23/2013) | (0.53 - 0.84)/(14 - 3) | -0.0281818 |
| 0.73 (8/9/2016) | 0.84 (9/23/2013) | (0.73 - 0.84)/(15 - 3) | -0.00916667 |
| 0.45 (12/7/2016) | 0.84 (9/23/2013) | (0.45 - 0.84)/(16 - 3) | -0.03 |
| 0.75 (3/2/2017) | 0.84 (9/23/2013) | (0.75 - 0.84)/(17 - 3) | -0.00642857 |
| 0.82 (6/21/2017) | 0.84 (9/23/2013) | (0.82 - 0.84)/(18 - 3) | -0.00133333 |
| 0.81 (8/17/2017) | 0.84 (9/23/2013) | (0.81 - 0.84)/(19 - 3) | -0.001875 |
| 0.6 (10/26/2017) | 0.84 (9/23/2013) | (0.6 - 0.84)/(20 - 3) | -0.0141176 |
| ND<0.25 U (3/27/2018) | 0.84 (9/23/2013) | (0.25 - 0.84)/(21 - 3) | -0.0327778 |
| 0.998 (6/26/2018) | 0.84 (9/23/2013) | (0.998 - 0.84)/(22 - 3) | 0.00831579 |
| 1.18 (8/1/2018) | 0.84 (9/23/2013) | (1.18 - 0.84)/(23 - 3) | 0.017 |
| 0.655 (12/11/2018) | 0.84 (9/23/2013) | (0.655 - 0.84)/(24 - 3) | -0.00880952 |
| 0.624 (4/17/2019) | 0.84 (9/23/2013) | (0.624 - 0.84)/(25 - 3) | -0.00981818 |
| 0.929 (6/11/2019) | 0.84 (9/23/2013) | (0.929 - 0.84)/(26 - 3) | 0.00386957 |
| 1.17 (8/28/2019) | 0.84 (9/23/2013) | (1.17 - 0.84)/(27 - 3) | 0.01375 |
| 0.739 (10/28/2019) | 0.84 (9/23/2013) | (0.739 - 0.84)/(28 - 3) | -0.00404 |
| 0.928 (3/31/2020) | 0.84 (9/23/2013) | (0.928 - 0.84)/(29 - 3) | 0.00338462 |
| 0.492 (6/10/2020) | 0.84 (9/23/2013) | (0.492 - 0.84)/(30 - 3) | -0.0128889 |
| ND<0.25 U (9/21/2020) | 0.84 (9/23/2013) | (0.25 - 0.84)/(31 - 3) | -0.0210714 |
| 0.432 (12/17/2020) | 0.84 (9/23/2013) | (0.432 - 0.84)/(32 - 3) | -0.014069 |
| 0.926 (3/18/2021) | 0.84 (9/23/2013) | (0.926 - 0.84)/(33 - 3) | 0.00286667 |
| 1.41 (5/5/2021) | 0.84 (9/23/2013) | (1.41 - 0.84)/(34 - 3) | 0.0183871 |
| 1.33 (9/2/2021) | 0.84 (9/23/2013) | (1.33 - 0.84)/(35 - 3) | 0.0153125 |
| 0.33 (11/23/2021) | 0.84 (9/23/2013) | (0.33 - 0.84)/(36 - 3) | -0.0154545 |
| 0.725 (1/10/2022) | 0.84 (9/23/2013) | (0.725 - 0.84)/(37 - 3) | -0.00338235 |
| 0.886 (4/7/2022) | 0.84 (9/23/2013) | (0.886 - 0.84)/(38 - 3) | 0.00131429 |
| 1.65 (8/3/2022) | 0.84 (9/23/2013) | (1.65 - 0.84)/(39 - 3) | 0.0225 |
| 0.26 (11/16/2022) | 0.84 (9/23/2013) | (0.26 - 0.84)/(40 - 3) | -0.0156757 |
| 1 (2/13/2023) | 0.84 (9/23/2013) | (1 - 0.84)/(41 - 3) | 0.00421053 |
| 0.903 (5/24/2023) | 0.84 (9/23/2013) | (0.903 - 0.84)/(42 - 3) | 0.00161538 |
| 0.825 (8/7/2023) | 0.84 (9/23/2013) | (0.825 - 0.84)/(43 - 3) | -0.000375 |
| 0.744 (12/12/2023) | 0.84 (9/23/2013) | (0.744 - 0.84)/(44 - 3) | -0.00234146 |
| 1.72 (1/10/2024) | 0.84 (9/23/2013) | (1.72 - 0.84)/(45 - 3) | 0.0209524 |
| 0.51 (5/20/2024) | 0.84 (9/23/2013) | (0.51 - 0.84)/(46 - 3) | -0.00767442 |
| 0.877 (9/16/2024) | 0.84 (9/23/2013) | (0.877 - 0.84)/(47 - 3) | 0.000840909 |
| 1.25 (12/11/2024) | 0.84 (9/23/2013) | (1.25 - 0.84)/(48 - 3) | 0.00911111 |
| 0.648 (2/18/2025) | 0.84 (9/23/2013) | (0.648 - 0.84)/(49 - 3) | -0.00417391 |
| | | | |
| 0.44 (2/6/2014) | 0.67 (12/10/2013) | (0.44 - 0.67)/(5 - 4) | -0.23 |
| 0.52 (6/26/2014) | 0.67 (12/10/2013) | (0.52 - 0.67)/(6 - 4) | -0.075 |
| 0.44 (9/30/2014) | 0.67 (12/10/2013) | (0.44 - 0.67)/(7 - 4) | -0.0766667 |
| 0.4 (11/19/2014) | 0.67 (12/10/2013) | (0.4 - 0.67)/(8 - 4) | -0.0675 |
| 0.71 (3/23/2015) | 0.67 (12/10/2013) | (0.71 - 0.67)/(9 - 4) | 0.008 |
| 0.67 (4/22/2015) | 0.67 (12/10/2013) | (0.67 - 0.67)/(10 - 4) | 0 |
| 0.52 (9/30/2015) | 0.67 (12/10/2013) | (0.52 - 0.67)/(11 - 4) | -0.0214286 |
| 0.97 (11/19/2015) | 0.67 (12/10/2013) | (0.97 - 0.67)/(12 - 4) | 0.0375 |
| ND<0.25 U (3/15/2016) | 0.67 (12/10/2013) | (0.25 - 0.67)/(13 - 4) | -0.0466667 |
| 0.53 (6/29/2016) | 0.67 (12/10/2013) | (0.53 - 0.67)/(14 - 4) | -0.014 |
| 0.73 (8/9/2016) | 0.67 (12/10/2013) | (0.73 - 0.67)/(15 - 4) | 0.00545455 |
| 0.45 (12/7/2016) | 0.67 (12/10/2013) | (0.45 - 0.67)/(16 - 4) | -0.0183333 |
| 0.75 (3/2/2017) | 0.67 (12/10/2013) | (0.75 - 0.67)/(17 - 4) | 0.00615385 |
| 0.82 (6/21/2017) | 0.67 (12/10/2013) | (0.82 - 0.67)/(18 - 4) | 0.0107143 |
| 0.81 (8/17/2017) | 0.67 (12/10/2013) | (0.81 - 0.67)/(19 - 4) | 0.00933333 |
| 0.6 (10/26/2017) | 0.67 (12/10/2013) | (0.6 - 0.67)/(20 - 4) | -0.004375 |
| ND<0.25 U (3/27/2018) | 0.67 (12/10/2013) | (0.25 - 0.67)/(21 - 4) | -0.0247059 |
| 0.998 (6/26/2018) | 0.67 (12/10/2013) | (0.998 - 0.67)/(22 - 4) | 0.0182222 |

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|---|---|---|---|
| 1.18 (8/1/2018) | 0.67 (12/10/2013) | (1.18 - 0.67)/(23 - 4) | 0.0268421 |
| 0.655 (12/11/2018) | 0.67 (12/10/2013) | (0.655 - 0.67)/(24 - 4) | -0.00075 |
| 0.624 (4/17/2019) | 0.67 (12/10/2013) | (0.624 - 0.67)/(25 - 4) | -0.00219048 |
| 0.929 (6/11/2019) | 0.67 (12/10/2013) | (0.929 - 0.67)/(26 - 4) | 0.0117727 |
| 1.17 (8/28/2019) | 0.67 (12/10/2013) | (1.17 - 0.67)/(27 - 4) | 0.0217391 |
| 0.739 (10/28/2019) | 0.67 (12/10/2013) | (0.739 - 0.67)/(28 - 4) | 0.002875 |
| 0.928 (3/31/2020) | 0.67 (12/10/2013) | (0.928 - 0.67)/(29 - 4) | 0.01032 |
| 0.492 (6/10/2020) | 0.67 (12/10/2013) | (0.492 - 0.67)/(30 - 4) | -0.00684615 |
| ND<0.25 U (9/21/2020) | 0.67 (12/10/2013) | (0.25 - 0.67)/(31 - 4) | -0.0155556 |
| 0.432 (12/17/2020) | 0.67 (12/10/2013) | (0.432 - 0.67)/(32 - 4) | -0.0085 |
| 0.926 (3/18/2021) | 0.67 (12/10/2013) | (0.926 - 0.67)/(33 - 4) | 0.00882759 |
| 1.41 (5/5/2021) | 0.67 (12/10/2013) | (1.41 - 0.67)/(34 - 4) | 0.0246667 |
| 1.33 (9/2/2021) | 0.67 (12/10/2013) | (1.33 - 0.67)/(35 - 4) | 0.0212903 |
| 0.33 (11/23/2021) | 0.67 (12/10/2013) | (0.33 - 0.67)/(36 - 4) | -0.010625 |
| 0.725 (1/10/2022) | 0.67 (12/10/2013) | (0.725 - 0.67)/(37 - 4) | 0.00166667 |
| 0.886 (4/7/2022) | 0.67 (12/10/2013) | (0.886 - 0.67)/(38 - 4) | 0.00635294 |
| 1.65 (8/3/2022) | 0.67 (12/10/2013) | (1.65 - 0.67)/(39 - 4) | 0.028 |
| 0.26 (11/16/2022) | 0.67 (12/10/2013) | (0.26 - 0.67)/(40 - 4) | -0.0113889 |
| 1 (2/13/2023) | 0.67 (12/10/2013) | (1 - 0.67)/(41 - 4) | 0.00891892 |
| 0.903 (5/24/2023) | 0.67 (12/10/2013) | (0.903 - 0.67)/(42 - 4) | 0.00613158 |
| 0.825 (8/7/2023) | 0.67 (12/10/2013) | (0.825 - 0.67)/(43 - 4) | 0.00397436 |
| 0.744 (12/12/2023) | 0.67 (12/10/2013) | (0.744 - 0.67)/(44 - 4) | 0.00185 |
| 1.72 (1/10/2024) | 0.67 (12/10/2013) | (1.72 - 0.67)/(45 - 4) | 0.0256098 |
| 0.51 (5/20/2024) | 0.67 (12/10/2013) | (0.51 - 0.67)/(46 - 4) | -0.00380952 |
| 0.877 (9/16/2024) | 0.67 (12/10/2013) | (0.877 - 0.67)/(47 - 4) | 0.00481395 |
| 1.25 (12/11/2024) | 0.67 (12/10/2013) | (1.25 - 0.67)/(48 - 4) | 0.0131818 |
| 0.648 (2/18/2025) | 0.67 (12/10/2013) | (0.648 - 0.67)/(49 - 4) | -0.000488889 |
| | | | |
| 0.52 (6/26/2014) | 0.44 (2/6/2014) | (0.52 - 0.44)/(6 - 5) | 0.08 |
| 0.44 (9/30/2014) | 0.44 (2/6/2014) | (0.44 - 0.44)/(7 - 5) | 0 |
| 0.4 (11/19/2014) | 0.44 (2/6/2014) | (0.4 - 0.44)/(8 - 5) | -0.0133333 |
| 0.71 (3/23/2015) | 0.44 (2/6/2014) | (0.71 - 0.44)/(9 - 5) | 0.0675 |
| 0.67 (4/22/2015) | 0.44 (2/6/2014) | (0.67 - 0.44)/(10 - 5) | 0.046 |
| 0.52 (9/30/2015) | 0.44 (2/6/2014) | (0.52 - 0.44)/(11 - 5) | 0.0133333 |
| 0.97 (11/19/2015) | 0.44 (2/6/2014) | (0.97 - 0.44)/(12 - 5) | 0.0757143 |
| ND<0.25 U (3/15/2016) | 0.44 (2/6/2014) | (0.25 - 0.44)/(13 - 5) | -0.02375 |
| 0.53 (6/29/2016) | 0.44 (2/6/2014) | (0.53 - 0.44)/(14 - 5) | 0.01 |
| 0.73 (8/9/2016) | 0.44 (2/6/2014) | (0.73 - 0.44)/(15 - 5) | 0.029 |
| 0.45 (12/7/2016) | 0.44 (2/6/2014) | (0.45 - 0.44)/(16 - 5) | 0.000909091 |
| 0.75 (3/2/2017) | 0.44 (2/6/2014) | (0.75 - 0.44)/(17 - 5) | 0.0258333 |
| 0.82 (6/21/2017) | 0.44 (2/6/2014) | (0.82 - 0.44)/(18 - 5) | 0.0292308 |
| 0.81 (8/17/2017) | 0.44 (2/6/2014) | (0.81 - 0.44)/(19 - 5) | 0.0264286 |
| 0.6 (10/26/2017) | 0.44 (2/6/2014) | (0.6 - 0.44)/(20 - 5) | 0.0106667 |
| ND<0.25 U (3/27/2018) | 0.44 (2/6/2014) | (0.25 - 0.44)/(21 - 5) | -0.011875 |
| 0.998 (6/26/2018) | 0.44 (2/6/2014) | (0.998 - 0.44)/(22 - 5) | 0.0328235 |
| 1.18 (8/1/2018) | 0.44 (2/6/2014) | (1.18 - 0.44)/(23 - 5) | 0.0411111 |
| 0.655 (12/11/2018) | 0.44 (2/6/2014) | (0.655 - 0.44)/(24 - 5) | 0.0113158 |
| 0.624 (4/17/2019) | 0.44 (2/6/2014) | (0.624 - 0.44)/(25 - 5) | 0.0092 |
| 0.929 (6/11/2019) | 0.44 (2/6/2014) | (0.929 - 0.44)/(26 - 5) | 0.0232857 |
| 1.17 (8/28/2019) | 0.44 (2/6/2014) | (1.17 - 0.44)/(27 - 5) | 0.0331818 |
| 0.739 (10/28/2019) | 0.44 (2/6/2014) | (0.739 - 0.44)/(28 - 5) | 0.013 |
| 0.928 (3/31/2020) | 0.44 (2/6/2014) | (0.928 - 0.44)/(29 - 5) | 0.0203333 |
| 0.492 (6/10/2020) | 0.44 (2/6/2014) | (0.492 - 0.44)/(30 - 5) | 0.00208 |
| ND<0.25 U (9/21/2020) | 0.44 (2/6/2014) | (0.25 - 0.44)/(31 - 5) | -0.00730769 |
| 0.432 (12/17/2020) | 0.44 (2/6/2014) | (0.432 - 0.44)/(32 - 5) | -0.000296296 |
| 0.926 (3/18/2021) | 0.44 (2/6/2014) | (0.926 - 0.44)/(33 - 5) | 0.0173571 |
| 1.41 (5/5/2021) | 0.44 (2/6/2014) | (1.41 - 0.44)/(34 - 5) | 0.0334483 |

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|---|---|---|---|
| 1.33 (9/2/2021) | 0.44 (2/6/2014) | (1.33 - 0.44)/(35 - 5) | 0.0296667 |
| 0.33 (11/23/2021) | 0.44 (2/6/2014) | (0.33 - 0.44)/(36 - 5) | -0.00354839 |
| 0.725 (1/10/2022) | 0.44 (2/6/2014) | (0.725 - 0.44)/(37 - 5) | 0.00890625 |
| 0.886 (4/7/2022) | 0.44 (2/6/2014) | (0.886 - 0.44)/(38 - 5) | 0.0135152 |
| 1.65 (8/3/2022) | 0.44 (2/6/2014) | (1.65 - 0.44)/(39 - 5) | 0.0355882 |
| 0.26 (11/16/2022) | 0.44 (2/6/2014) | (0.26 - 0.44)/(40 - 5) | -0.00514286 |
| 1 (2/13/2023) | 0.44 (2/6/2014) | (1 - 0.44)/(41 - 5) | 0.0155556 |
| 0.903 (5/24/2023) | 0.44 (2/6/2014) | (0.903 - 0.44)/(42 - 5) | 0.0125135 |
| 0.825 (8/7/2023) | 0.44 (2/6/2014) | (0.825 - 0.44)/(43 - 5) | 0.0101316 |
| 0.744 (12/12/2023) | 0.44 (2/6/2014) | (0.744 - 0.44)/(44 - 5) | 0.00779487 |
| 1.72 (1/10/2024) | 0.44 (2/6/2014) | (1.72 - 0.44)/(45 - 5) | 0.032 |
| 0.51 (5/20/2024) | 0.44 (2/6/2014) | (0.51 - 0.44)/(46 - 5) | 0.00170732 |
| 0.877 (9/16/2024) | 0.44 (2/6/2014) | (0.877 - 0.44)/(47 - 5) | 0.0104048 |
| 1.25 (12/11/2024) | 0.44 (2/6/2014) | (1.25 - 0.44)/(48 - 5) | 0.0188372 |
| 0.648 (2/18/2025) | 0.44 (2/6/2014) | (0.648 - 0.44)/(49 - 5) | 0.00472727 |
| | | | |
| 0.44 (9/30/2014) | 0.52 (6/26/2014) | (0.44 - 0.52)/(7 - 6) | -0.08 |
| 0.4 (11/19/2014) | 0.52 (6/26/2014) | (0.4 - 0.52)/(8 - 6) | -0.06 |
| 0.71 (3/23/2015) | 0.52 (6/26/2014) | (0.71 - 0.52)/(9 - 6) | 0.0633333 |
| 0.67 (4/22/2015) | 0.52 (6/26/2014) | (0.67 - 0.52)/(10 - 6) | 0.0375 |
| 0.52 (9/30/2015) | 0.52 (6/26/2014) | (0.52 - 0.52)/(11 - 6) | 0 |
| 0.97 (11/19/2015) | 0.52 (6/26/2014) | (0.97 - 0.52)/(12 - 6) | 0.075 |
| ND<0.25 U (3/15/2016) | 0.52 (6/26/2014) | (0.25 - 0.52)/(13 - 6) | -0.0385714 |
| 0.53 (6/29/2016) | 0.52 (6/26/2014) | (0.53 - 0.52)/(14 - 6) | 0.00125 |
| 0.73 (8/9/2016) | 0.52 (6/26/2014) | (0.73 - 0.52)/(15 - 6) | 0.0233333 |
| 0.45 (12/7/2016) | 0.52 (6/26/2014) | (0.45 - 0.52)/(16 - 6) | -0.007 |
| 0.75 (3/2/2017) | 0.52 (6/26/2014) | (0.75 - 0.52)/(17 - 6) | 0.0209091 |
| 0.82 (6/21/2017) | 0.52 (6/26/2014) | (0.82 - 0.52)/(18 - 6) | 0.025 |
| 0.81 (8/17/2017) | 0.52 (6/26/2014) | (0.81 - 0.52)/(19 - 6) | 0.0223077 |
| 0.6 (10/26/2017) | 0.52 (6/26/2014) | (0.6 - 0.52)/(20 - 6) | 0.00571429 |
| ND<0.25 U (3/27/2018) | 0.52 (6/26/2014) | (0.25 - 0.52)/(21 - 6) | -0.018 |
| 0.998 (6/26/2018) | 0.52 (6/26/2014) | (0.998 - 0.52)/(22 - 6) | 0.029875 |
| 1.18 (8/1/2018) | 0.52 (6/26/2014) | (1.18 - 0.52)/(23 - 6) | 0.0388235 |
| 0.655 (12/11/2018) | 0.52 (6/26/2014) | (0.655 - 0.52)/(24 - 6) | 0.0075 |
| 0.624 (4/17/2019) | 0.52 (6/26/2014) | (0.624 - 0.52)/(25 - 6) | 0.00547368 |
| 0.929 (6/11/2019) | 0.52 (6/26/2014) | (0.929 - 0.52)/(26 - 6) | 0.02045 |
| 1.17 (8/28/2019) | 0.52 (6/26/2014) | (1.17 - 0.52)/(27 - 6) | 0.0309524 |
| 0.739 (10/28/2019) | 0.52 (6/26/2014) | (0.739 - 0.52)/(28 - 6) | 0.00995455 |
| 0.928 (3/31/2020) | 0.52 (6/26/2014) | (0.928 - 0.52)/(29 - 6) | 0.0177391 |
| 0.492 (6/10/2020) | 0.52 (6/26/2014) | (0.492 - 0.52)/(30 - 6) | -0.00116667 |
| ND<0.25 U (9/21/2020) | 0.52 (6/26/2014) | (0.25 - 0.52)/(31 - 6) | -0.0108 |
| 0.432 (12/17/2020) | 0.52 (6/26/2014) | (0.432 - 0.52)/(32 - 6) | -0.00338462 |
| 0.926 (3/18/2021) | 0.52 (6/26/2014) | (0.926 - 0.52)/(33 - 6) | 0.015037 |
| 1.41 (5/5/2021) | 0.52 (6/26/2014) | (1.41 - 0.52)/(34 - 6) | 0.0317857 |
| 1.33 (9/2/2021) | 0.52 (6/26/2014) | (1.33 - 0.52)/(35 - 6) | 0.027931 |
| 0.33 (11/23/2021) | 0.52 (6/26/2014) | (0.33 - 0.52)/(36 - 6) | -0.00633333 |
| 0.725 (1/10/2022) | 0.52 (6/26/2014) | (0.725 - 0.52)/(37 - 6) | 0.0066129 |
| 0.886 (4/7/2022) | 0.52 (6/26/2014) | (0.886 - 0.52)/(38 - 6) | 0.0114375 |
| 1.65 (8/3/2022) | 0.52 (6/26/2014) | (1.65 - 0.52)/(39 - 6) | 0.0342424 |
| 0.26 (11/16/2022) | 0.52 (6/26/2014) | (0.26 - 0.52)/(40 - 6) | -0.00764706 |
| 1 (2/13/2023) | 0.52 (6/26/2014) | (1 - 0.52)/(41 - 6) | 0.0137143 |
| 0.903 (5/24/2023) | 0.52 (6/26/2014) | (0.903 - 0.52)/(42 - 6) | 0.0106389 |
| 0.825 (8/7/2023) | 0.52 (6/26/2014) | (0.825 - 0.52)/(43 - 6) | 0.00824324 |
| 0.744 (12/12/2023) | 0.52 (6/26/2014) | (0.744 - 0.52)/(44 - 6) | 0.00589474 |
| 1.72 (1/10/2024) | 0.52 (6/26/2014) | (1.72 - 0.52)/(45 - 6) | 0.0307692 |
| 0.51 (5/20/2024) | 0.52 (6/26/2014) | (0.51 - 0.52)/(46 - 6) | -0.00025 |
| 0.877 (9/16/2024) | 0.52 (6/26/2014) | (0.877 - 0.52)/(47 - 6) | 0.00870732 |

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|---|---|---|---|
| 1.25 (12/11/2024) | 0.52 (6/26/2014) | (1.25 - 0.52)/(48 - 6) | 0.017381 |
| 0.648 (2/18/2025) | 0.52 (6/26/2014) | (0.648 - 0.52)/(49 - 6) | 0.00297674 |
| | | | |
| 0.4 (11/19/2014) | 0.44 (9/30/2014) | (0.4 - 0.44)/(8 - 7) | -0.04 |
| 0.71 (3/23/2015) | 0.44 (9/30/2014) | (0.71 - 0.44)/(9 - 7) | 0.135 |
| 0.67 (4/22/2015) | 0.44 (9/30/2014) | (0.67 - 0.44)/(10 - 7) | 0.0766667 |
| 0.52 (9/30/2015) | 0.44 (9/30/2014) | (0.52 - 0.44)/(11 - 7) | 0.02 |
| 0.97 (11/19/2015) | 0.44 (9/30/2014) | (0.97 - 0.44)/(12 - 7) | 0.106 |
| ND<0.25 U (3/15/2016) | 0.44 (9/30/2014) | (0.25 - 0.44)/(13 - 7) | -0.0316667 |
| 0.53 (6/29/2016) | 0.44 (9/30/2014) | (0.53 - 0.44)/(14 - 7) | 0.0128571 |
| 0.73 (8/9/2016) | 0.44 (9/30/2014) | (0.73 - 0.44)/(15 - 7) | 0.03625 |
| 0.45 (12/7/2016) | 0.44 (9/30/2014) | (0.45 - 0.44)/(16 - 7) | 0.00111111 |
| 0.75 (3/2/2017) | 0.44 (9/30/2014) | (0.75 - 0.44)/(17 - 7) | 0.031 |
| 0.82 (6/21/2017) | 0.44 (9/30/2014) | (0.82 - 0.44)/(18 - 7) | 0.0345455 |
| 0.81 (8/17/2017) | 0.44 (9/30/2014) | (0.81 - 0.44)/(19 - 7) | 0.0308333 |
| 0.6 (10/26/2017) | 0.44 (9/30/2014) | (0.6 - 0.44)/(20 - 7) | 0.0123077 |
| ND<0.25 U (3/27/2018) | 0.44 (9/30/2014) | (0.25 - 0.44)/(21 - 7) | -0.0135714 |
| 0.998 (6/26/2018) | 0.44 (9/30/2014) | (0.998 - 0.44)/(22 - 7) | 0.0372 |
| 1.18 (8/1/2018) | 0.44 (9/30/2014) | (1.18 - 0.44)/(23 - 7) | 0.04625 |
| 0.655 (12/11/2018) | 0.44 (9/30/2014) | (0.655 - 0.44)/(24 - 7) | 0.0126471 |
| 0.624 (4/17/2019) | 0.44 (9/30/2014) | (0.624 - 0.44)/(25 - 7) | 0.0102222 |
| 0.929 (6/11/2019) | 0.44 (9/30/2014) | (0.929 - 0.44)/(26 - 7) | 0.0257368 |
| 1.17 (8/28/2019) | 0.44 (9/30/2014) | (1.17 - 0.44)/(27 - 7) | 0.0365 |
| 0.739 (10/28/2019) | 0.44 (9/30/2014) | (0.739 - 0.44)/(28 - 7) | 0.0142381 |
| 0.928 (3/31/2020) | 0.44 (9/30/2014) | (0.928 - 0.44)/(29 - 7) | 0.0221818 |
| 0.492 (6/10/2020) | 0.44 (9/30/2014) | (0.492 - 0.44)/(30 - 7) | 0.00226087 |
| ND<0.25 U (9/21/2020) | 0.44 (9/30/2014) | (0.25 - 0.44)/(31 - 7) | -0.00791667 |
| 0.432 (12/17/2020) | 0.44 (9/30/2014) | (0.432 - 0.44)/(32 - 7) | -0.00032 |
| 0.926 (3/18/2021) | 0.44 (9/30/2014) | (0.926 - 0.44)/(33 - 7) | 0.0186923 |
| 1.41 (5/5/2021) | 0.44 (9/30/2014) | (1.41 - 0.44)/(34 - 7) | 0.0359259 |
| 1.33 (9/2/2021) | 0.44 (9/30/2014) | (1.33 - 0.44)/(35 - 7) | 0.0317857 |
| 0.33 (11/23/2021) | 0.44 (9/30/2014) | (0.33 - 0.44)/(36 - 7) | -0.0037931 |
| 0.725 (1/10/2022) | 0.44 (9/30/2014) | (0.725 - 0.44)/(37 - 7) | 0.0095 |
| 0.886 (4/7/2022) | 0.44 (9/30/2014) | (0.886 - 0.44)/(38 - 7) | 0.0143871 |
| 1.65 (8/3/2022) | 0.44 (9/30/2014) | (1.65 - 0.44)/(39 - 7) | 0.0378125 |
| 0.26 (11/16/2022) | 0.44 (9/30/2014) | (0.26 - 0.44)/(40 - 7) | -0.00545455 |
| 1 (2/13/2023) | 0.44 (9/30/2014) | (1 - 0.44)/(41 - 7) | 0.0164706 |
| 0.903 (5/24/2023) | 0.44 (9/30/2014) | (0.903 - 0.44)/(42 - 7) | 0.0132286 |
| 0.825 (8/7/2023) | 0.44 (9/30/2014) | (0.825 - 0.44)/(43 - 7) | 0.0106944 |
| 0.744 (12/12/2023) | 0.44 (9/30/2014) | (0.744 - 0.44)/(44 - 7) | 0.00821622 |
| 1.72 (1/10/2024) | 0.44 (9/30/2014) | (1.72 - 0.44)/(45 - 7) | 0.0336842 |
| 0.51 (5/20/2024) | 0.44 (9/30/2014) | (0.51 - 0.44)/(46 - 7) | 0.00179487 |
| 0.877 (9/16/2024) | 0.44 (9/30/2014) | (0.877 - 0.44)/(47 - 7) | 0.010925 |
| 1.25 (12/11/2024) | 0.44 (9/30/2014) | (1.25 - 0.44)/(48 - 7) | 0.0197561 |
| 0.648 (2/18/2025) | 0.44 (9/30/2014) | (0.648 - 0.44)/(49 - 7) | 0.00495238 |
| | | | |
| 0.71 (3/23/2015) | 0.4 (11/19/2014) | (0.71 - 0.4)/(9 - 8) | 0.31 |
| 0.67 (4/22/2015) | 0.4 (11/19/2014) | (0.67 - 0.4)/(10 - 8) | 0.135 |
| 0.52 (9/30/2015) | 0.4 (11/19/2014) | (0.52 - 0.4)/(11 - 8) | 0.04 |
| 0.97 (11/19/2015) | 0.4 (11/19/2014) | (0.97 - 0.4)/(12 - 8) | 0.1425 |
| ND<0.25 U (3/15/2016) | 0.4 (11/19/2014) | (0.25 - 0.4)/(13 - 8) | -0.03 |
| 0.53 (6/29/2016) | 0.4 (11/19/2014) | (0.53 - 0.4)/(14 - 8) | 0.0216667 |
| 0.73 (8/9/2016) | 0.4 (11/19/2014) | (0.73 - 0.4)/(15 - 8) | 0.0471429 |
| 0.45 (12/7/2016) | 0.4 (11/19/2014) | (0.45 - 0.4)/(16 - 8) | 0.00625 |
| 0.75 (3/2/2017) | 0.4 (11/19/2014) | (0.75 - 0.4)/(17 - 8) | 0.0388889 |
| 0.82 (6/21/2017) | 0.4 (11/19/2014) | (0.82 - 0.4)/(18 - 8) | 0.042 |
| 0.81 (8/17/2017) | 0.4 (11/19/2014) | (0.81 - 0.4)/(19 - 8) | 0.0372727 |

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|---|---|---|---|
| 0.6 (10/26/2017) | 0.4 (11/19/2014) | (0.6 - 0.4)/(20 - 8) | 0.0166667 |
| ND<0.25 U (3/27/2018) | 0.4 (11/19/2014) | (0.25 - 0.4)/(21 - 8) | -0.0115385 |
| 0.998 (6/26/2018) | 0.4 (11/19/2014) | (0.998 - 0.4)/(22 - 8) | 0.0427143 |
| 1.18 (8/1/2018) | 0.4 (11/19/2014) | (1.18 - 0.4)/(23 - 8) | 0.052 |
| 0.655 (12/11/2018) | 0.4 (11/19/2014) | (0.655 - 0.4)/(24 - 8) | 0.0159375 |
| 0.624 (4/17/2019) | 0.4 (11/19/2014) | (0.624 - 0.4)/(25 - 8) | 0.0131765 |
| 0.929 (6/11/2019) | 0.4 (11/19/2014) | (0.929 - 0.4)/(26 - 8) | 0.0293889 |
| 1.17 (8/28/2019) | 0.4 (11/19/2014) | (1.17 - 0.4)/(27 - 8) | 0.0405263 |
| 0.739 (10/28/2019) | 0.4 (11/19/2014) | (0.739 - 0.4)/(28 - 8) | 0.01695 |
| 0.928 (3/31/2020) | 0.4 (11/19/2014) | (0.928 - 0.4)/(29 - 8) | 0.0251429 |
| 0.492 (6/10/2020) | 0.4 (11/19/2014) | (0.492 - 0.4)/(30 - 8) | 0.00418182 |
| ND<0.25 U (9/21/2020) | 0.4 (11/19/2014) | (0.25 - 0.4)/(31 - 8) | -0.00652174 |
| 0.432 (12/17/2020) | 0.4 (11/19/2014) | (0.432 - 0.4)/(32 - 8) | 0.00133333 |
| 0.926 (3/18/2021) | 0.4 (11/19/2014) | (0.926 - 0.4)/(33 - 8) | 0.02104 |
| 1.41 (5/5/2021) | 0.4 (11/19/2014) | (1.41 - 0.4)/(34 - 8) | 0.0388462 |
| 1.33 (9/2/2021) | 0.4 (11/19/2014) | (1.33 - 0.4)/(35 - 8) | 0.0344444 |
| 0.33 (11/23/2021) | 0.4 (11/19/2014) | (0.33 - 0.4)/(36 - 8) | -0.0025 |
| 0.725 (1/10/2022) | 0.4 (11/19/2014) | (0.725 - 0.4)/(37 - 8) | 0.0112069 |
| 0.886 (4/7/2022) | 0.4 (11/19/2014) | (0.886 - 0.4)/(38 - 8) | 0.0162 |
| 1.65 (8/3/2022) | 0.4 (11/19/2014) | (1.65 - 0.4)/(39 - 8) | 0.0403226 |
| 0.26 (11/16/2022) | 0.4 (11/19/2014) | (0.26 - 0.4)/(40 - 8) | -0.004375 |
| 1 (2/13/2023) | 0.4 (11/19/2014) | (1 - 0.4)/(41 - 8) | 0.0181818 |
| 0.903 (5/24/2023) | 0.4 (11/19/2014) | (0.903 - 0.4)/(42 - 8) | 0.0147941 |
| 0.825 (8/7/2023) | 0.4 (11/19/2014) | (0.825 - 0.4)/(43 - 8) | 0.0121429 |
| 0.744 (12/12/2023) | 0.4 (11/19/2014) | (0.744 - 0.4)/(44 - 8) | 0.00955556 |
| 1.72 (1/10/2024) | 0.4 (11/19/2014) | (1.72 - 0.4)/(45 - 8) | 0.0356757 |
| 0.51 (5/20/2024) | 0.4 (11/19/2014) | (0.51 - 0.4)/(46 - 8) | 0.00289474 |
| 0.877 (9/16/2024) | 0.4 (11/19/2014) | (0.877 - 0.4)/(47 - 8) | 0.0122308 |
| 1.25 (12/11/2024) | 0.4 (11/19/2014) | (1.25 - 0.4)/(48 - 8) | 0.02125 |
| 0.648 (2/18/2025) | 0.4 (11/19/2014) | (0.648 - 0.4)/(49 - 8) | 0.00604878 |
| | | | |
| 0.67 (4/22/2015) | 0.71 (3/23/2015) | (0.67 - 0.71)/(10 - 9) | -0.04 |
| 0.52 (9/30/2015) | 0.71 (3/23/2015) | (0.52 - 0.71)/(11 - 9) | -0.095 |
| 0.97 (11/19/2015) | 0.71 (3/23/2015) | (0.97 - 0.71)/(12 - 9) | 0.0866667 |
| ND<0.25 U (3/15/2016) | 0.71 (3/23/2015) | (0.25 - 0.71)/(13 - 9) | -0.115 |
| 0.53 (6/29/2016) | 0.71 (3/23/2015) | (0.53 - 0.71)/(14 - 9) | -0.036 |
| 0.73 (8/9/2016) | 0.71 (3/23/2015) | (0.73 - 0.71)/(15 - 9) | 0.00333333 |
| 0.45 (12/7/2016) | 0.71 (3/23/2015) | (0.45 - 0.71)/(16 - 9) | -0.0371429 |
| 0.75 (3/2/2017) | 0.71 (3/23/2015) | (0.75 - 0.71)/(17 - 9) | 0.005 |
| 0.82 (6/21/2017) | 0.71 (3/23/2015) | (0.82 - 0.71)/(18 - 9) | 0.0122222 |
| 0.81 (8/17/2017) | 0.71 (3/23/2015) | (0.81 - 0.71)/(19 - 9) | 0.01 |
| 0.6 (10/26/2017) | 0.71 (3/23/2015) | (0.6 - 0.71)/(20 - 9) | -0.01 |
| ND<0.25 U (3/27/2018) | 0.71 (3/23/2015) | (0.25 - 0.71)/(21 - 9) | -0.0383333 |
| 0.998 (6/26/2018) | 0.71 (3/23/2015) | (0.998 - 0.71)/(22 - 9) | 0.0221538 |
| 1.18 (8/1/2018) | 0.71 (3/23/2015) | (1.18 - 0.71)/(23 - 9) | 0.0335714 |
| 0.655 (12/11/2018) | 0.71 (3/23/2015) | (0.655 - 0.71)/(24 - 9) | -0.00366667 |
| 0.624 (4/17/2019) | 0.71 (3/23/2015) | (0.624 - 0.71)/(25 - 9) | -0.005375 |
| 0.929 (6/11/2019) | 0.71 (3/23/2015) | (0.929 - 0.71)/(26 - 9) | 0.0128824 |
| 1.17 (8/28/2019) | 0.71 (3/23/2015) | (1.17 - 0.71)/(27 - 9) | 0.0255556 |
| 0.739 (10/28/2019) | 0.71 (3/23/2015) | (0.739 - 0.71)/(28 - 9) | 0.00152632 |
| 0.928 (3/31/2020) | 0.71 (3/23/2015) | (0.928 - 0.71)/(29 - 9) | 0.0109 |
| 0.492 (6/10/2020) | 0.71 (3/23/2015) | (0.492 - 0.71)/(30 - 9) | -0.010381 |
| ND<0.25 U (9/21/2020) | 0.71 (3/23/2015) | (0.25 - 0.71)/(31 - 9) | -0.0209091 |
| 0.432 (12/17/2020) | 0.71 (3/23/2015) | (0.432 - 0.71)/(32 - 9) | -0.012087 |
| 0.926 (3/18/2021) | 0.71 (3/23/2015) | (0.926 - 0.71)/(33 - 9) | 0.009 |
| 1.41 (5/5/2021) | 0.71 (3/23/2015) | (1.41 - 0.71)/(34 - 9) | 0.028 |
| 1.33 (9/2/2021) | 0.71 (3/23/2015) | (1.33 - 0.71)/(35 - 9) | 0.0238462 |

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|---|---|---|---|
| 0.33 (11/23/2021) | 0.71 (3/23/2015) | (0.33 - 0.71)/(36 - 9) | -0.0140741 |
| 0.725 (1/10/2022) | 0.71 (3/23/2015) | (0.725 - 0.71)/(37 - 9) | 0.000535714 |
| 0.886 (4/7/2022) | 0.71 (3/23/2015) | (0.886 - 0.71)/(38 - 9) | 0.00606897 |
| 1.65 (8/3/2022) | 0.71 (3/23/2015) | (1.65 - 0.71)/(39 - 9) | 0.0313333 |
| 0.26 (11/16/2022) | 0.71 (3/23/2015) | (0.26 - 0.71)/(40 - 9) | -0.0145161 |
| 1 (2/13/2023) | 0.71 (3/23/2015) | (1 - 0.71)/(41 - 9) | 0.0090625 |
| 0.903 (5/24/2023) | 0.71 (3/23/2015) | (0.903 - 0.71)/(42 - 9) | 0.00584848 |
| 0.825 (8/7/2023) | 0.71 (3/23/2015) | (0.825 - 0.71)/(43 - 9) | 0.00338235 |
| 0.744 (12/12/2023) | 0.71 (3/23/2015) | (0.744 - 0.71)/(44 - 9) | 0.000971429 |
| 1.72 (1/10/2024) | 0.71 (3/23/2015) | (1.72 - 0.71)/(45 - 9) | 0.0280556 |
| 0.51 (5/20/2024) | 0.71 (3/23/2015) | (0.51 - 0.71)/(46 - 9) | -0.00540541 |
| 0.877 (9/16/2024) | 0.71 (3/23/2015) | (0.877 - 0.71)/(47 - 9) | 0.00439474 |
| 1.25 (12/11/2024) | 0.71 (3/23/2015) | (1.25 - 0.71)/(48 - 9) | 0.0138462 |
| 0.648 (2/18/2025) | 0.71 (3/23/2015) | (0.648 - 0.71)/(49 - 9) | -0.00155 |
| | | | |
| 0.52 (9/30/2015) | 0.67 (4/22/2015) | (0.52 - 0.67)/(11 - 10) | -0.15 |
| 0.97 (11/19/2015) | 0.67 (4/22/2015) | (0.97 - 0.67)/(12 - 10) | 0.15 |
| ND<0.25 U (3/15/2016) | 0.67 (4/22/2015) | (0.25 - 0.67)/(13 - 10) | -0.14 |
| 0.53 (6/29/2016) | 0.67 (4/22/2015) | (0.53 - 0.67)/(14 - 10) | -0.035 |
| 0.73 (8/9/2016) | 0.67 (4/22/2015) | (0.73 - 0.67)/(15 - 10) | 0.012 |
| 0.45 (12/7/2016) | 0.67 (4/22/2015) | (0.45 - 0.67)/(16 - 10) | -0.0366667 |
| 0.75 (3/2/2017) | 0.67 (4/22/2015) | (0.75 - 0.67)/(17 - 10) | 0.0114286 |
| 0.82 (6/21/2017) | 0.67 (4/22/2015) | (0.82 - 0.67)/(18 - 10) | 0.01875 |
| 0.81 (8/17/2017) | 0.67 (4/22/2015) | (0.81 - 0.67)/(19 - 10) | 0.0155556 |
| 0.6 (10/26/2017) | 0.67 (4/22/2015) | (0.6 - 0.67)/(20 - 10) | -0.007 |
| ND<0.25 U (3/27/2018) | 0.67 (4/22/2015) | (0.25 - 0.67)/(21 - 10) | -0.0381818 |
| 0.998 (6/26/2018) | 0.67 (4/22/2015) | (0.998 - 0.67)/(22 - 10) | 0.0273333 |
| 1.18 (8/1/2018) | 0.67 (4/22/2015) | (1.18 - 0.67)/(23 - 10) | 0.0392308 |
| 0.655 (12/11/2018) | 0.67 (4/22/2015) | (0.655 - 0.67)/(24 - 10) | -0.00107143 |
| 0.624 (4/17/2019) | 0.67 (4/22/2015) | (0.624 - 0.67)/(25 - 10) | -0.00306667 |
| 0.929 (6/11/2019) | 0.67 (4/22/2015) | (0.929 - 0.67)/(26 - 10) | 0.0161875 |
| 1.17 (8/28/2019) | 0.67 (4/22/2015) | (1.17 - 0.67)/(27 - 10) | 0.0294118 |
| 0.739 (10/28/2019) | 0.67 (4/22/2015) | (0.739 - 0.67)/(28 - 10) | 0.00383333 |
| 0.928 (3/31/2020) | 0.67 (4/22/2015) | (0.928 - 0.67)/(29 - 10) | 0.0135789 |
| 0.492 (6/10/2020) | 0.67 (4/22/2015) | (0.492 - 0.67)/(30 - 10) | -0.0089 |
| ND<0.25 U (9/21/2020) | 0.67 (4/22/2015) | (0.25 - 0.67)/(31 - 10) | -0.02 |
| 0.432 (12/17/2020) | 0.67 (4/22/2015) | (0.432 - 0.67)/(32 - 10) | -0.0108182 |
| 0.926 (3/18/2021) | 0.67 (4/22/2015) | (0.926 - 0.67)/(33 - 10) | 0.0111304 |
| 1.41 (5/5/2021) | 0.67 (4/22/2015) | (1.41 - 0.67)/(34 - 10) | 0.0308333 |
| 1.33 (9/2/2021) | 0.67 (4/22/2015) | (1.33 - 0.67)/(35 - 10) | 0.0264 |
| 0.33 (11/23/2021) | 0.67 (4/22/2015) | (0.33 - 0.67)/(36 - 10) | -0.0130769 |
| 0.725 (1/10/2022) | 0.67 (4/22/2015) | (0.725 - 0.67)/(37 - 10) | 0.00203704 |
| 0.886 (4/7/2022) | 0.67 (4/22/2015) | (0.886 - 0.67)/(38 - 10) | 0.00771429 |
| 1.65 (8/3/2022) | 0.67 (4/22/2015) | (1.65 - 0.67)/(39 - 10) | 0.0337931 |
| 0.26 (11/16/2022) | 0.67 (4/22/2015) | (0.26 - 0.67)/(40 - 10) | -0.0136667 |
| 1 (2/13/2023) | 0.67 (4/22/2015) | (1 - 0.67)/(41 - 10) | 0.0106452 |
| 0.903 (5/24/2023) | 0.67 (4/22/2015) | (0.903 - 0.67)/(42 - 10) | 0.00728125 |
| 0.825 (8/7/2023) | 0.67 (4/22/2015) | (0.825 - 0.67)/(43 - 10) | 0.00469697 |
| 0.744 (12/12/2023) | 0.67 (4/22/2015) | (0.744 - 0.67)/(44 - 10) | 0.00217647 |
| 1.72 (1/10/2024) | 0.67 (4/22/2015) | (1.72 - 0.67)/(45 - 10) | 0.03 |
| 0.51 (5/20/2024) | 0.67 (4/22/2015) | (0.51 - 0.67)/(46 - 10) | -0.00444444 |
| 0.877 (9/16/2024) | 0.67 (4/22/2015) | (0.877 - 0.67)/(47 - 10) | 0.00559459 |
| 1.25 (12/11/2024) | 0.67 (4/22/2015) | (1.25 - 0.67)/(48 - 10) | 0.0152632 |
| 0.648 (2/18/2025) | 0.67 (4/22/2015) | (0.648 - 0.67)/(49 - 10) | -0.000564103 |
| | | | |
| 0.97 (11/19/2015) | 0.52 (9/30/2015) | (0.97 - 0.52)/(12 - 11) | 0.45 |
| ND<0.25 U (3/15/2016) | 0.52 (9/30/2015) | (0.25 - 0.52)/(13 - 11) | -0.135 |

| | | | |
|---|---|---|---|
| 0.53 (6/29/2016) | 0.52 (9/30/2015) | (0.53 - 0.52)/(14 - 11) | 0.00333333 |
| 0.73 (8/9/2016) | 0.52 (9/30/2015) | (0.73 - 0.52)/(15 - 11) | 0.0525 |
| 0.45 (12/7/2016) | 0.52 (9/30/2015) | (0.45 - 0.52)/(16 - 11) | -0.014 |
| 0.75 (3/2/2017) | 0.52 (9/30/2015) | (0.75 - 0.52)/(17 - 11) | 0.0383333 |
| 0.82 (6/21/2017) | 0.52 (9/30/2015) | (0.82 - 0.52)/(18 - 11) | 0.0428571 |
| 0.81 (8/17/2017) | 0.52 (9/30/2015) | (0.81 - 0.52)/(19 - 11) | 0.03625 |
| 0.6 (10/26/2017) | 0.52 (9/30/2015) | (0.6 - 0.52)/(20 - 11) | 0.00888889 |
| ND<0.25 U (3/27/2018) | 0.52 (9/30/2015) | (0.25 - 0.52)/(21 - 11) | -0.027 |
| 0.998 (6/26/2018) | 0.52 (9/30/2015) | (0.998 - 0.52)/(22 - 11) | 0.0434545 |
| 1.18 (8/1/2018) | 0.52 (9/30/2015) | (1.18 - 0.52)/(23 - 11) | 0.055 |
| 0.655 (12/11/2018) | 0.52 (9/30/2015) | (0.655 - 0.52)/(24 - 11) | 0.0103846 |
| 0.624 (4/17/2019) | 0.52 (9/30/2015) | (0.624 - 0.52)/(25 - 11) | 0.00742857 |
| 0.929 (6/11/2019) | 0.52 (9/30/2015) | (0.929 - 0.52)/(26 - 11) | 0.0272667 |
| 1.17 (8/28/2019) | 0.52 (9/30/2015) | (1.17 - 0.52)/(27 - 11) | 0.040625 |
| 0.739 (10/28/2019) | 0.52 (9/30/2015) | (0.739 - 0.52)/(28 - 11) | 0.0128824 |
| 0.928 (3/31/2020) | 0.52 (9/30/2015) | (0.928 - 0.52)/(29 - 11) | 0.0226667 |
| 0.492 (6/10/2020) | 0.52 (9/30/2015) | (0.492 - 0.52)/(30 - 11) | -0.00147368 |
| ND<0.25 U (9/21/2020) | 0.52 (9/30/2015) | (0.25 - 0.52)/(31 - 11) | -0.0135 |
| 0.432 (12/17/2020) | 0.52 (9/30/2015) | (0.432 - 0.52)/(32 - 11) | -0.00419048 |
| 0.926 (3/18/2021) | 0.52 (9/30/2015) | (0.926 - 0.52)/(33 - 11) | 0.0184545 |
| 1.41 (5/5/2021) | 0.52 (9/30/2015) | (1.41 - 0.52)/(34 - 11) | 0.0386957 |
| 1.33 (9/2/2021) | 0.52 (9/30/2015) | (1.33 - 0.52)/(35 - 11) | 0.03375 |
| 0.33 (11/23/2021) | 0.52 (9/30/2015) | (0.33 - 0.52)/(36 - 11) | -0.0076 |
| 0.725 (1/10/2022) | 0.52 (9/30/2015) | (0.725 - 0.52)/(37 - 11) | 0.00788462 |
| 0.886 (4/7/2022) | 0.52 (9/30/2015) | (0.886 - 0.52)/(38 - 11) | 0.0135556 |
| 1.65 (8/3/2022) | 0.52 (9/30/2015) | (1.65 - 0.52)/(39 - 11) | 0.0403571 |
| 0.26 (11/16/2022) | 0.52 (9/30/2015) | (0.26 - 0.52)/(40 - 11) | -0.00896552 |
| 1 (2/13/2023) | 0.52 (9/30/2015) | (1 - 0.52)/(41 - 11) | 0.016 |
| 0.903 (5/24/2023) | 0.52 (9/30/2015) | (0.903 - 0.52)/(42 - 11) | 0.0123548 |
| 0.825 (8/7/2023) | 0.52 (9/30/2015) | (0.825 - 0.52)/(43 - 11) | 0.00953125 |
| 0.744 (12/12/2023) | 0.52 (9/30/2015) | (0.744 - 0.52)/(44 - 11) | 0.00678788 |
| 1.72 (1/10/2024) | 0.52 (9/30/2015) | (1.72 - 0.52)/(45 - 11) | 0.0352941 |
| 0.51 (5/20/2024) | 0.52 (9/30/2015) | (0.51 - 0.52)/(46 - 11) | -0.000285714 |
| 0.877 (9/16/2024) | 0.52 (9/30/2015) | (0.877 - 0.52)/(47 - 11) | 0.00991667 |
| 1.25 (12/11/2024) | 0.52 (9/30/2015) | (1.25 - 0.52)/(48 - 11) | 0.0197297 |
| 0.648 (2/18/2025) | 0.52 (9/30/2015) | (0.648 - 0.52)/(49 - 11) | 0.00336842 |

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|---|---|---|---|
| ND<0.25 U (3/15/2016) | 0.97 (11/19/2015) | (0.25 - 0.97)/(13 - 12) | -0.72 |
| 0.53 (6/29/2016) | 0.97 (11/19/2015) | (0.53 - 0.97)/(14 - 12) | -0.22 |
| 0.73 (8/9/2016) | 0.97 (11/19/2015) | (0.73 - 0.97)/(15 - 12) | -0.08 |
| 0.45 (12/7/2016) | 0.97 (11/19/2015) | (0.45 - 0.97)/(16 - 12) | -0.13 |
| 0.75 (3/2/2017) | 0.97 (11/19/2015) | (0.75 - 0.97)/(17 - 12) | -0.044 |
| 0.82 (6/21/2017) | 0.97 (11/19/2015) | (0.82 - 0.97)/(18 - 12) | -0.025 |
| 0.81 (8/17/2017) | 0.97 (11/19/2015) | (0.81 - 0.97)/(19 - 12) | -0.0228571 |
| 0.6 (10/26/2017) | 0.97 (11/19/2015) | (0.6 - 0.97)/(20 - 12) | -0.04625 |
| ND<0.25 U (3/27/2018) | 0.97 (11/19/2015) | (0.25 - 0.97)/(21 - 12) | -0.08 |
| 0.998 (6/26/2018) | 0.97 (11/19/2015) | (0.998 - 0.97)/(22 - 12) | 0.0028 |
| 1.18 (8/1/2018) | 0.97 (11/19/2015) | (1.18 - 0.97)/(23 - 12) | 0.0190909 |
| 0.655 (12/11/2018) | 0.97 (11/19/2015) | (0.655 - 0.97)/(24 - 12) | -0.02625 |
| 0.624 (4/17/2019) | 0.97 (11/19/2015) | (0.624 - 0.97)/(25 - 12) | -0.0266154 |
| 0.929 (6/11/2019) | 0.97 (11/19/2015) | (0.929 - 0.97)/(26 - 12) | -0.00292857 |
| 1.17 (8/28/2019) | 0.97 (11/19/2015) | (1.17 - 0.97)/(27 - 12) | 0.0133333 |
| 0.739 (10/28/2019) | 0.97 (11/19/2015) | (0.739 - 0.97)/(28 - 12) | -0.0144375 |
| 0.928 (3/31/2020) | 0.97 (11/19/2015) | (0.928 - 0.97)/(29 - 12) | -0.00247059 |
| 0.492 (6/10/2020) | 0.97 (11/19/2015) | (0.492 - 0.97)/(30 - 12) | -0.0265556 |
| ND<0.25 U (9/21/2020) | 0.97 (11/19/2015) | (0.25 - 0.97)/(31 - 12) | -0.0378947 |
| 0.432 (12/17/2020) | 0.97 (11/19/2015) | (0.432 - 0.97)/(32 - 12) | -0.0269 |

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|---|---|---|---|
| 0.926 (3/18/2021) | 0.97 (11/19/2015) | (0.926 - 0.97)/(33 - 12) | -0.00209524 |
| 1.41 (5/5/2021) | 0.97 (11/19/2015) | (1.41 - 0.97)/(34 - 12) | 0.02 |
| 1.33 (9/2/2021) | 0.97 (11/19/2015) | (1.33 - 0.97)/(35 - 12) | 0.0156522 |
| 0.33 (11/23/2021) | 0.97 (11/19/2015) | (0.33 - 0.97)/(36 - 12) | -0.0266667 |
| 0.725 (1/10/2022) | 0.97 (11/19/2015) | (0.725 - 0.97)/(37 - 12) | -0.0098 |
| 0.886 (4/7/2022) | 0.97 (11/19/2015) | (0.886 - 0.97)/(38 - 12) | -0.00323077 |
| 1.65 (8/3/2022) | 0.97 (11/19/2015) | (1.65 - 0.97)/(39 - 12) | 0.0251852 |
| 0.26 (11/16/2022) | 0.97 (11/19/2015) | (0.26 - 0.97)/(40 - 12) | -0.0253571 |
| 1 (2/13/2023) | 0.97 (11/19/2015) | (1 - 0.97)/(41 - 12) | 0.00103448 |
| 0.903 (5/24/2023) | 0.97 (11/19/2015) | (0.903 - 0.97)/(42 - 12) | -0.00223333 |
| 0.825 (8/7/2023) | 0.97 (11/19/2015) | (0.825 - 0.97)/(43 - 12) | -0.00467742 |
| 0.744 (12/12/2023) | 0.97 (11/19/2015) | (0.744 - 0.97)/(44 - 12) | -0.0070625 |
| 1.72 (1/10/2024) | 0.97 (11/19/2015) | (1.72 - 0.97)/(45 - 12) | 0.0227273 |
| 0.51 (5/20/2024) | 0.97 (11/19/2015) | (0.51 - 0.97)/(46 - 12) | -0.0135294 |
| 0.877 (9/16/2024) | 0.97 (11/19/2015) | (0.877 - 0.97)/(47 - 12) | -0.00265714 |
| 1.25 (12/11/2024) | 0.97 (11/19/2015) | (1.25 - 0.97)/(48 - 12) | 0.00777778 |
| 0.648 (2/18/2025) | 0.97 (11/19/2015) | (0.648 - 0.97)/(49 - 12) | -0.0087027 |
| | | | |
| 0.53 (6/29/2016) | ND<0.25 U (3/15/2016) | (0.53 - 0.25)/(14 - 13) | 0.28 |
| 0.73 (8/9/2016) | ND<0.25 U (3/15/2016) | (0.73 - 0.25)/(15 - 13) | 0.24 |
| 0.45 (12/7/2016) | ND<0.25 U (3/15/2016) | (0.45 - 0.25)/(16 - 13) | 0.0666667 |
| 0.75 (3/2/2017) | ND<0.25 U (3/15/2016) | (0.75 - 0.25)/(17 - 13) | 0.125 |
| 0.82 (6/21/2017) | ND<0.25 U (3/15/2016) | (0.82 - 0.25)/(18 - 13) | 0.114 |
| 0.81 (8/17/2017) | ND<0.25 U (3/15/2016) | (0.81 - 0.25)/(19 - 13) | 0.0933333 |
| 0.6 (10/26/2017) | ND<0.25 U (3/15/2016) | (0.6 - 0.25)/(20 - 13) | 0.05 |
| ND<0.25 U (3/27/2018) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(21 - 13) | 0 |
| 0.998 (6/26/2018) | ND<0.25 U (3/15/2016) | (0.998 - 0.25)/(22 - 13) | 0.0831111 |
| 1.18 (8/1/2018) | ND<0.25 U (3/15/2016) | (1.18 - 0.25)/(23 - 13) | 0.093 |
| 0.655 (12/11/2018) | ND<0.25 U (3/15/2016) | (0.655 - 0.25)/(24 - 13) | 0.0368182 |
| 0.624 (4/17/2019) | ND<0.25 U (3/15/2016) | (0.624 - 0.25)/(25 - 13) | 0.0311667 |
| 0.929 (6/11/2019) | ND<0.25 U (3/15/2016) | (0.929 - 0.25)/(26 - 13) | 0.0522308 |
| 1.17 (8/28/2019) | ND<0.25 U (3/15/2016) | (1.17 - 0.25)/(27 - 13) | 0.0657143 |
| 0.739 (10/28/2019) | ND<0.25 U (3/15/2016) | (0.739 - 0.25)/(28 - 13) | 0.0326 |
| 0.928 (3/31/2020) | ND<0.25 U (3/15/2016) | (0.928 - 0.25)/(29 - 13) | 0.042375 |
| 0.492 (6/10/2020) | ND<0.25 U (3/15/2016) | (0.492 - 0.25)/(30 - 13) | 0.0142353 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(31 - 13) | 0 |
| 0.432 (12/17/2020) | ND<0.25 U (3/15/2016) | (0.432 - 0.25)/(32 - 13) | 0.00957895 |
| 0.926 (3/18/2021) | ND<0.25 U (3/15/2016) | (0.926 - 0.25)/(33 - 13) | 0.0338 |
| 1.41 (5/5/2021) | ND<0.25 U (3/15/2016) | (1.41 - 0.25)/(34 - 13) | 0.0552381 |
| 1.33 (9/2/2021) | ND<0.25 U (3/15/2016) | (1.33 - 0.25)/(35 - 13) | 0.0490909 |
| 0.33 (11/23/2021) | ND<0.25 U (3/15/2016) | (0.33 - 0.25)/(36 - 13) | 0.00347826 |
| 0.725 (1/10/2022) | ND<0.25 U (3/15/2016) | (0.725 - 0.25)/(37 - 13) | 0.0197917 |
| 0.886 (4/7/2022) | ND<0.25 U (3/15/2016) | (0.886 - 0.25)/(38 - 13) | 0.02544 |
| 1.65 (8/3/2022) | ND<0.25 U (3/15/2016) | (1.65 - 0.25)/(39 - 13) | 0.0538462 |
| 0.26 (11/16/2022) | ND<0.25 U (3/15/2016) | (0.26 - 0.25)/(40 - 13) | 0.00037037 |
| 1 (2/13/2023) | ND<0.25 U (3/15/2016) | (1 - 0.25)/(41 - 13) | 0.0267857 |
| 0.903 (5/24/2023) | ND<0.25 U (3/15/2016) | (0.903 - 0.25)/(42 - 13) | 0.0225172 |
| 0.825 (8/7/2023) | ND<0.25 U (3/15/2016) | (0.825 - 0.25)/(43 - 13) | 0.0191667 |
| 0.744 (12/12/2023) | ND<0.25 U (3/15/2016) | (0.744 - 0.25)/(44 - 13) | 0.0159355 |
| 1.72 (1/10/2024) | ND<0.25 U (3/15/2016) | (1.72 - 0.25)/(45 - 13) | 0.0459375 |
| 0.51 (5/20/2024) | ND<0.25 U (3/15/2016) | (0.51 - 0.25)/(46 - 13) | 0.00787879 |
| 0.877 (9/16/2024) | ND<0.25 U (3/15/2016) | (0.877 - 0.25)/(47 - 13) | 0.0184412 |
| 1.25 (12/11/2024) | ND<0.25 U (3/15/2016) | (1.25 - 0.25)/(48 - 13) | 0.0285714 |
| 0.648 (2/18/2025) | ND<0.25 U (3/15/2016) | (0.648 - 0.25)/(49 - 13) | 0.0110556 |
| | | | |
| 0.73 (8/9/2016) | 0.53 (6/29/2016) | (0.73 - 0.53)/(15 - 14) | 0.2 |
| 0.45 (12/7/2016) | 0.53 (6/29/2016) | (0.45 - 0.53)/(16 - 14) | -0.04 |

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|---|---|---|---|
| 0.75 (3/2/2017) | 0.53 (6/29/2016) | (0.75 - 0.53)/(17 - 14) | 0.0733333 |
| 0.82 (6/21/2017) | 0.53 (6/29/2016) | (0.82 - 0.53)/(18 - 14) | 0.0725 |
| 0.81 (8/17/2017) | 0.53 (6/29/2016) | (0.81 - 0.53)/(19 - 14) | 0.056 |
| 0.6 (10/26/2017) | 0.53 (6/29/2016) | (0.6 - 0.53)/(20 - 14) | 0.0116667 |
| ND<0.25 U (3/27/2018) | 0.53 (6/29/2016) | (0.25 - 0.53)/(21 - 14) | -0.04 |
| 0.998 (6/26/2018) | 0.53 (6/29/2016) | (0.998 - 0.53)/(22 - 14) | 0.0585 |
| 1.18 (8/1/2018) | 0.53 (6/29/2016) | (1.18 - 0.53)/(23 - 14) | 0.0722222 |
| 0.655 (12/11/2018) | 0.53 (6/29/2016) | (0.655 - 0.53)/(24 - 14) | 0.0125 |
| 0.624 (4/17/2019) | 0.53 (6/29/2016) | (0.624 - 0.53)/(25 - 14) | 0.00854545 |
| 0.929 (6/11/2019) | 0.53 (6/29/2016) | (0.929 - 0.53)/(26 - 14) | 0.03325 |
| 1.17 (8/28/2019) | 0.53 (6/29/2016) | (1.17 - 0.53)/(27 - 14) | 0.0492308 |
| 0.739 (10/28/2019) | 0.53 (6/29/2016) | (0.739 - 0.53)/(28 - 14) | 0.0149286 |
| 0.928 (3/31/2020) | 0.53 (6/29/2016) | (0.928 - 0.53)/(29 - 14) | 0.0265333 |
| 0.492 (6/10/2020) | 0.53 (6/29/2016) | (0.492 - 0.53)/(30 - 14) | -0.002375 |
| ND<0.25 U (9/21/2020) | 0.53 (6/29/2016) | (0.25 - 0.53)/(31 - 14) | -0.0164706 |
| 0.432 (12/17/2020) | 0.53 (6/29/2016) | (0.432 - 0.53)/(32 - 14) | -0.00544444 |
| 0.926 (3/18/2021) | 0.53 (6/29/2016) | (0.926 - 0.53)/(33 - 14) | 0.0208421 |
| 1.41 (5/5/2021) | 0.53 (6/29/2016) | (1.41 - 0.53)/(34 - 14) | 0.044 |
| 1.33 (9/2/2021) | 0.53 (6/29/2016) | (1.33 - 0.53)/(35 - 14) | 0.0380952 |
| 0.33 (11/23/2021) | 0.53 (6/29/2016) | (0.33 - 0.53)/(36 - 14) | -0.00909091 |
| 0.725 (1/10/2022) | 0.53 (6/29/2016) | (0.725 - 0.53)/(37 - 14) | 0.00847826 |
| 0.886 (4/7/2022) | 0.53 (6/29/2016) | (0.886 - 0.53)/(38 - 14) | 0.0148333 |
| 1.65 (8/3/2022) | 0.53 (6/29/2016) | (1.65 - 0.53)/(39 - 14) | 0.0448 |
| 0.26 (11/16/2022) | 0.53 (6/29/2016) | (0.26 - 0.53)/(40 - 14) | -0.0103846 |
| 1 (2/13/2023) | 0.53 (6/29/2016) | (1 - 0.53)/(41 - 14) | 0.0174074 |
| 0.903 (5/24/2023) | 0.53 (6/29/2016) | (0.903 - 0.53)/(42 - 14) | 0.0133214 |
| 0.825 (8/7/2023) | 0.53 (6/29/2016) | (0.825 - 0.53)/(43 - 14) | 0.0101724 |
| 0.744 (12/12/2023) | 0.53 (6/29/2016) | (0.744 - 0.53)/(44 - 14) | 0.00713333 |
| 1.72 (1/10/2024) | 0.53 (6/29/2016) | (1.72 - 0.53)/(45 - 14) | 0.0383871 |
| 0.51 (5/20/2024) | 0.53 (6/29/2016) | (0.51 - 0.53)/(46 - 14) | -0.000625 |
| 0.877 (9/16/2024) | 0.53 (6/29/2016) | (0.877 - 0.53)/(47 - 14) | 0.0105152 |
| 1.25 (12/11/2024) | 0.53 (6/29/2016) | (1.25 - 0.53)/(48 - 14) | 0.0211765 |
| 0.648 (2/18/2025) | 0.53 (6/29/2016) | (0.648 - 0.53)/(49 - 14) | 0.00337143 |

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|---|---|---|---|
| 0.45 (12/7/2016) | 0.73 (8/9/2016) | (0.45 - 0.73)/(16 - 15) | -0.28 |
| 0.75 (3/2/2017) | 0.73 (8/9/2016) | (0.75 - 0.73)/(17 - 15) | 0.01 |
| 0.82 (6/21/2017) | 0.73 (8/9/2016) | (0.82 - 0.73)/(18 - 15) | 0.03 |
| 0.81 (8/17/2017) | 0.73 (8/9/2016) | (0.81 - 0.73)/(19 - 15) | 0.02 |
| 0.6 (10/26/2017) | 0.73 (8/9/2016) | (0.6 - 0.73)/(20 - 15) | -0.026 |
| ND<0.25 U (3/27/2018) | 0.73 (8/9/2016) | (0.25 - 0.73)/(21 - 15) | -0.08 |
| 0.998 (6/26/2018) | 0.73 (8/9/2016) | (0.998 - 0.73)/(22 - 15) | 0.0382857 |
| 1.18 (8/1/2018) | 0.73 (8/9/2016) | (1.18 - 0.73)/(23 - 15) | 0.05625 |
| 0.655 (12/11/2018) | 0.73 (8/9/2016) | (0.655 - 0.73)/(24 - 15) | -0.00833333 |
| 0.624 (4/17/2019) | 0.73 (8/9/2016) | (0.624 - 0.73)/(25 - 15) | -0.0106 |
| 0.929 (6/11/2019) | 0.73 (8/9/2016) | (0.929 - 0.73)/(26 - 15) | 0.0180909 |
| 1.17 (8/28/2019) | 0.73 (8/9/2016) | (1.17 - 0.73)/(27 - 15) | 0.0366667 |
| 0.739 (10/28/2019) | 0.73 (8/9/2016) | (0.739 - 0.73)/(28 - 15) | 0.000692308 |
| 0.928 (3/31/2020) | 0.73 (8/9/2016) | (0.928 - 0.73)/(29 - 15) | 0.0141429 |
| 0.492 (6/10/2020) | 0.73 (8/9/2016) | (0.492 - 0.73)/(30 - 15) | -0.0158667 |
| ND<0.25 U (9/21/2020) | 0.73 (8/9/2016) | (0.25 - 0.73)/(31 - 15) | -0.03 |
| 0.432 (12/17/2020) | 0.73 (8/9/2016) | (0.432 - 0.73)/(32 - 15) | -0.0175294 |
| 0.926 (3/18/2021) | 0.73 (8/9/2016) | (0.926 - 0.73)/(33 - 15) | 0.0108889 |
| 1.41 (5/5/2021) | 0.73 (8/9/2016) | (1.41 - 0.73)/(34 - 15) | 0.0357895 |
| 1.33 (9/2/2021) | 0.73 (8/9/2016) | (1.33 - 0.73)/(35 - 15) | 0.03 |
| 0.33 (11/23/2021) | 0.73 (8/9/2016) | (0.33 - 0.73)/(36 - 15) | -0.0190476 |
| 0.725 (1/10/2022) | 0.73 (8/9/2016) | (0.725 - 0.73)/(37 - 15) | -0.000227273 |
| 0.886 (4/7/2022) | 0.73 (8/9/2016) | (0.886 - 0.73)/(38 - 15) | 0.00678261 |

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|---|---|---|---|
| 1.65 (8/3/2022) | 0.73 (8/9/2016) | (1.65 - 0.73)/(39 - 15) | 0.0383333 |
| 0.26 (11/16/2022) | 0.73 (8/9/2016) | (0.26 - 0.73)/(40 - 15) | -0.0188 |
| 1 (2/13/2023) | 0.73 (8/9/2016) | (1 - 0.73)/(41 - 15) | 0.0103846 |
| 0.903 (5/24/2023) | 0.73 (8/9/2016) | (0.903 - 0.73)/(42 - 15) | 0.00640741 |
| 0.825 (8/7/2023) | 0.73 (8/9/2016) | (0.825 - 0.73)/(43 - 15) | 0.00339286 |
| 0.744 (12/12/2023) | 0.73 (8/9/2016) | (0.744 - 0.73)/(44 - 15) | 0.000482759 |
| 1.72 (1/10/2024) | 0.73 (8/9/2016) | (1.72 - 0.73)/(45 - 15) | 0.033 |
| 0.51 (5/20/2024) | 0.73 (8/9/2016) | (0.51 - 0.73)/(46 - 15) | -0.00709677 |
| 0.877 (9/16/2024) | 0.73 (8/9/2016) | (0.877 - 0.73)/(47 - 15) | 0.00459375 |
| 1.25 (12/11/2024) | 0.73 (8/9/2016) | (1.25 - 0.73)/(48 - 15) | 0.0157576 |
| 0.648 (2/18/2025) | 0.73 (8/9/2016) | (0.648 - 0.73)/(49 - 15) | -0.00241176 |
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| 0.75 (3/2/2017) | 0.45 (12/7/2016) | (0.75 - 0.45)/(17 - 16) | 0.3 |
| 0.82 (6/21/2017) | 0.45 (12/7/2016) | (0.82 - 0.45)/(18 - 16) | 0.185 |
| 0.81 (8/17/2017) | 0.45 (12/7/2016) | (0.81 - 0.45)/(19 - 16) | 0.12 |
| 0.6 (10/26/2017) | 0.45 (12/7/2016) | (0.6 - 0.45)/(20 - 16) | 0.0375 |
| ND<0.25 U (3/27/2018) | 0.45 (12/7/2016) | (0.25 - 0.45)/(21 - 16) | -0.04 |
| 0.998 (6/26/2018) | 0.45 (12/7/2016) | (0.998 - 0.45)/(22 - 16) | 0.0913333 |
| 1.18 (8/1/2018) | 0.45 (12/7/2016) | (1.18 - 0.45)/(23 - 16) | 0.104286 |
| 0.655 (12/11/2018) | 0.45 (12/7/2016) | (0.655 - 0.45)/(24 - 16) | 0.025625 |
| 0.624 (4/17/2019) | 0.45 (12/7/2016) | (0.624 - 0.45)/(25 - 16) | 0.0193333 |
| 0.929 (6/11/2019) | 0.45 (12/7/2016) | (0.929 - 0.45)/(26 - 16) | 0.0479 |
| 1.17 (8/28/2019) | 0.45 (12/7/2016) | (1.17 - 0.45)/(27 - 16) | 0.0654545 |
| 0.739 (10/28/2019) | 0.45 (12/7/2016) | (0.739 - 0.45)/(28 - 16) | 0.0240833 |
| 0.928 (3/31/2020) | 0.45 (12/7/2016) | (0.928 - 0.45)/(29 - 16) | 0.0367692 |
| 0.492 (6/10/2020) | 0.45 (12/7/2016) | (0.492 - 0.45)/(30 - 16) | 0.003 |
| ND<0.25 U (9/21/2020) | 0.45 (12/7/2016) | (0.25 - 0.45)/(31 - 16) | -0.0133333 |
| 0.432 (12/17/2020) | 0.45 (12/7/2016) | (0.432 - 0.45)/(32 - 16) | -0.001125 |
| 0.926 (3/18/2021) | 0.45 (12/7/2016) | (0.926 - 0.45)/(33 - 16) | 0.028 |
| 1.41 (5/5/2021) | 0.45 (12/7/2016) | (1.41 - 0.45)/(34 - 16) | 0.0533333 |
| 1.33 (9/2/2021) | 0.45 (12/7/2016) | (1.33 - 0.45)/(35 - 16) | 0.0463158 |
| 0.33 (11/23/2021) | 0.45 (12/7/2016) | (0.33 - 0.45)/(36 - 16) | -0.006 |
| 0.725 (1/10/2022) | 0.45 (12/7/2016) | (0.725 - 0.45)/(37 - 16) | 0.0130952 |
| 0.886 (4/7/2022) | 0.45 (12/7/2016) | (0.886 - 0.45)/(38 - 16) | 0.0198182 |
| 1.65 (8/3/2022) | 0.45 (12/7/2016) | (1.65 - 0.45)/(39 - 16) | 0.0521739 |
| 0.26 (11/16/2022) | 0.45 (12/7/2016) | (0.26 - 0.45)/(40 - 16) | -0.00791667 |
| 1 (2/13/2023) | 0.45 (12/7/2016) | (1 - 0.45)/(41 - 16) | 0.022 |
| 0.903 (5/24/2023) | 0.45 (12/7/2016) | (0.903 - 0.45)/(42 - 16) | 0.0174231 |
| 0.825 (8/7/2023) | 0.45 (12/7/2016) | (0.825 - 0.45)/(43 - 16) | 0.0138889 |
| 0.744 (12/12/2023) | 0.45 (12/7/2016) | (0.744 - 0.45)/(44 - 16) | 0.0105 |
| 1.72 (1/10/2024) | 0.45 (12/7/2016) | (1.72 - 0.45)/(45 - 16) | 0.0437931 |
| 0.51 (5/20/2024) | 0.45 (12/7/2016) | (0.51 - 0.45)/(46 - 16) | 0.002 |
| 0.877 (9/16/2024) | 0.45 (12/7/2016) | (0.877 - 0.45)/(47 - 16) | 0.0137742 |
| 1.25 (12/11/2024) | 0.45 (12/7/2016) | (1.25 - 0.45)/(48 - 16) | 0.025 |
| 0.648 (2/18/2025) | 0.45 (12/7/2016) | (0.648 - 0.45)/(49 - 16) | 0.006 |
| | | | |
| 0.82 (6/21/2017) | 0.75 (3/2/2017) | (0.82 - 0.75)/(18 - 17) | 0.07 |
| 0.81 (8/17/2017) | 0.75 (3/2/2017) | (0.81 - 0.75)/(19 - 17) | 0.03 |
| 0.6 (10/26/2017) | 0.75 (3/2/2017) | (0.6 - 0.75)/(20 - 17) | -0.05 |
| ND<0.25 U (3/27/2018) | 0.75 (3/2/2017) | (0.25 - 0.75)/(21 - 17) | -0.125 |
| 0.998 (6/26/2018) | 0.75 (3/2/2017) | (0.998 - 0.75)/(22 - 17) | 0.0496 |
| 1.18 (8/1/2018) | 0.75 (3/2/2017) | (1.18 - 0.75)/(23 - 17) | 0.0716667 |
| 0.655 (12/11/2018) | 0.75 (3/2/2017) | (0.655 - 0.75)/(24 - 17) | -0.0135714 |
| 0.624 (4/17/2019) | 0.75 (3/2/2017) | (0.624 - 0.75)/(25 - 17) | -0.01575 |
| 0.929 (6/11/2019) | 0.75 (3/2/2017) | (0.929 - 0.75)/(26 - 17) | 0.0198889 |
| 1.17 (8/28/2019) | 0.75 (3/2/2017) | (1.17 - 0.75)/(27 - 17) | 0.042 |
| 0.739 (10/28/2019) | 0.75 (3/2/2017) | (0.739 - 0.75)/(28 - 17) | -0.001 |

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|---|---|---|---|
| 0.928 (3/31/2020) | 0.75 (3/2/2017) | (0.928 - 0.75)/(29 - 17) | 0.0148333 |
| 0.492 (6/10/2020) | 0.75 (3/2/2017) | (0.492 - 0.75)/(30 - 17) | -0.0198462 |
| ND<0.25 U (9/21/2020) | 0.75 (3/2/2017) | (0.25 - 0.75)/(31 - 17) | -0.0357143 |
| 0.432 (12/17/2020) | 0.75 (3/2/2017) | (0.432 - 0.75)/(32 - 17) | -0.0212 |
| 0.926 (3/18/2021) | 0.75 (3/2/2017) | (0.926 - 0.75)/(33 - 17) | 0.011 |
| 1.41 (5/5/2021) | 0.75 (3/2/2017) | (1.41 - 0.75)/(34 - 17) | 0.0388235 |
| 1.33 (9/2/2021) | 0.75 (3/2/2017) | (1.33 - 0.75)/(35 - 17) | 0.0322222 |
| 0.33 (11/23/2021) | 0.75 (3/2/2017) | (0.33 - 0.75)/(36 - 17) | -0.0221053 |
| 0.725 (1/10/2022) | 0.75 (3/2/2017) | (0.725 - 0.75)/(37 - 17) | -0.00125 |
| 0.886 (4/7/2022) | 0.75 (3/2/2017) | (0.886 - 0.75)/(38 - 17) | 0.00647619 |
| 1.65 (8/3/2022) | 0.75 (3/2/2017) | (1.65 - 0.75)/(39 - 17) | 0.0409091 |
| 0.26 (11/16/2022) | 0.75 (3/2/2017) | (0.26 - 0.75)/(40 - 17) | -0.0213043 |
| 1 (2/13/2023) | 0.75 (3/2/2017) | (1 - 0.75)/(41 - 17) | 0.0104167 |
| 0.903 (5/24/2023) | 0.75 (3/2/2017) | (0.903 - 0.75)/(42 - 17) | 0.00612 |
| 0.825 (8/7/2023) | 0.75 (3/2/2017) | (0.825 - 0.75)/(43 - 17) | 0.00288462 |
| 0.744 (12/12/2023) | 0.75 (3/2/2017) | (0.744 - 0.75)/(44 - 17) | -0.000222222 |
| 1.72 (1/10/2024) | 0.75 (3/2/2017) | (1.72 - 0.75)/(45 - 17) | 0.0346429 |
| 0.51 (5/20/2024) | 0.75 (3/2/2017) | (0.51 - 0.75)/(46 - 17) | -0.00827586 |
| 0.877 (9/16/2024) | 0.75 (3/2/2017) | (0.877 - 0.75)/(47 - 17) | 0.00423333 |
| 1.25 (12/11/2024) | 0.75 (3/2/2017) | (1.25 - 0.75)/(48 - 17) | 0.016129 |
| 0.648 (2/18/2025) | 0.75 (3/2/2017) | (0.648 - 0.75)/(49 - 17) | -0.0031875 |
| | | | |
| 0.81 (8/17/2017) | 0.82 (6/21/2017) | (0.81 - 0.82)/(19 - 18) | -0.01 |
| 0.6 (10/26/2017) | 0.82 (6/21/2017) | (0.6 - 0.82)/(20 - 18) | -0.11 |
| ND<0.25 U (3/27/2018) | 0.82 (6/21/2017) | (0.25 - 0.82)/(21 - 18) | -0.19 |
| 0.998 (6/26/2018) | 0.82 (6/21/2017) | (0.998 - 0.82)/(22 - 18) | 0.0445 |
| 1.18 (8/1/2018) | 0.82 (6/21/2017) | (1.18 - 0.82)/(23 - 18) | 0.072 |
| 0.655 (12/11/2018) | 0.82 (6/21/2017) | (0.655 - 0.82)/(24 - 18) | -0.0275 |
| 0.624 (4/17/2019) | 0.82 (6/21/2017) | (0.624 - 0.82)/(25 - 18) | -0.028 |
| 0.929 (6/11/2019) | 0.82 (6/21/2017) | (0.929 - 0.82)/(26 - 18) | 0.013625 |
| 1.17 (8/28/2019) | 0.82 (6/21/2017) | (1.17 - 0.82)/(27 - 18) | 0.0388889 |
| 0.739 (10/28/2019) | 0.82 (6/21/2017) | (0.739 - 0.82)/(28 - 18) | -0.0081 |
| 0.928 (3/31/2020) | 0.82 (6/21/2017) | (0.928 - 0.82)/(29 - 18) | 0.00981818 |
| 0.492 (6/10/2020) | 0.82 (6/21/2017) | (0.492 - 0.82)/(30 - 18) | -0.0273333 |
| ND<0.25 U (9/21/2020) | 0.82 (6/21/2017) | (0.25 - 0.82)/(31 - 18) | -0.0438462 |
| 0.432 (12/17/2020) | 0.82 (6/21/2017) | (0.432 - 0.82)/(32 - 18) | -0.0277143 |
| 0.926 (3/18/2021) | 0.82 (6/21/2017) | (0.926 - 0.82)/(33 - 18) | 0.00706667 |
| 1.41 (5/5/2021) | 0.82 (6/21/2017) | (1.41 - 0.82)/(34 - 18) | 0.036875 |
| 1.33 (9/2/2021) | 0.82 (6/21/2017) | (1.33 - 0.82)/(35 - 18) | 0.03 |
| 0.33 (11/23/2021) | 0.82 (6/21/2017) | (0.33 - 0.82)/(36 - 18) | -0.0272222 |
| 0.725 (1/10/2022) | 0.82 (6/21/2017) | (0.725 - 0.82)/(37 - 18) | -0.005 |
| 0.886 (4/7/2022) | 0.82 (6/21/2017) | (0.886 - 0.82)/(38 - 18) | 0.0033 |
| 1.65 (8/3/2022) | 0.82 (6/21/2017) | (1.65 - 0.82)/(39 - 18) | 0.0395238 |
| 0.26 (11/16/2022) | 0.82 (6/21/2017) | (0.26 - 0.82)/(40 - 18) | -0.0254545 |
| 1 (2/13/2023) | 0.82 (6/21/2017) | (1 - 0.82)/(41 - 18) | 0.00782609 |
| 0.903 (5/24/2023) | 0.82 (6/21/2017) | (0.903 - 0.82)/(42 - 18) | 0.00345833 |
| 0.825 (8/7/2023) | 0.82 (6/21/2017) | (0.825 - 0.82)/(43 - 18) | 0.0002 |
| 0.744 (12/12/2023) | 0.82 (6/21/2017) | (0.744 - 0.82)/(44 - 18) | -0.00292308 |
| 1.72 (1/10/2024) | 0.82 (6/21/2017) | (1.72 - 0.82)/(45 - 18) | 0.0333333 |
| 0.51 (5/20/2024) | 0.82 (6/21/2017) | (0.51 - 0.82)/(46 - 18) | -0.0110714 |
| 0.877 (9/16/2024) | 0.82 (6/21/2017) | (0.877 - 0.82)/(47 - 18) | 0.00196552 |
| 1.25 (12/11/2024) | 0.82 (6/21/2017) | (1.25 - 0.82)/(48 - 18) | 0.0143333 |
| 0.648 (2/18/2025) | 0.82 (6/21/2017) | (0.648 - 0.82)/(49 - 18) | -0.00554839 |
| | | | |
| 0.6 (10/26/2017) | 0.81 (8/17/2017) | (0.6 - 0.81)/(20 - 19) | -0.21 |
| ND<0.25 U (3/27/2018) | 0.81 (8/17/2017) | (0.25 - 0.81)/(21 - 19) | -0.28 |
| 0.998 (6/26/2018) | 0.81 (8/17/2017) | (0.998 - 0.81)/(22 - 19) | 0.0626667 |

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|---|---|---|---|
| 1.18 (8/1/2018) | 0.81 (8/17/2017) | (1.18 - 0.81)/(23 - 19) | 0.0925 |
| 0.655 (12/11/2018) | 0.81 (8/17/2017) | (0.655 - 0.81)/(24 - 19) | -0.031 |
| 0.624 (4/17/2019) | 0.81 (8/17/2017) | (0.624 - 0.81)/(25 - 19) | -0.031 |
| 0.929 (6/11/2019) | 0.81 (8/17/2017) | (0.929 - 0.81)/(26 - 19) | 0.017 |
| 1.17 (8/28/2019) | 0.81 (8/17/2017) | (1.17 - 0.81)/(27 - 19) | 0.045 |
| 0.739 (10/28/2019) | 0.81 (8/17/2017) | (0.739 - 0.81)/(28 - 19) | -0.00788889 |
| 0.928 (3/31/2020) | 0.81 (8/17/2017) | (0.928 - 0.81)/(29 - 19) | 0.0118 |
| 0.492 (6/10/2020) | 0.81 (8/17/2017) | (0.492 - 0.81)/(30 - 19) | -0.0289091 |
| ND<0.25 U (9/21/2020) | 0.81 (8/17/2017) | (0.25 - 0.81)/(31 - 19) | -0.0466667 |
| 0.432 (12/17/2020) | 0.81 (8/17/2017) | (0.432 - 0.81)/(32 - 19) | -0.0290769 |
| 0.926 (3/18/2021) | 0.81 (8/17/2017) | (0.926 - 0.81)/(33 - 19) | 0.00828571 |
| 1.41 (5/5/2021) | 0.81 (8/17/2017) | (1.41 - 0.81)/(34 - 19) | 0.04 |
| 1.33 (9/2/2021) | 0.81 (8/17/2017) | (1.33 - 0.81)/(35 - 19) | 0.0325 |
| 0.33 (11/23/2021) | 0.81 (8/17/2017) | (0.33 - 0.81)/(36 - 19) | -0.0282353 |
| 0.725 (1/10/2022) | 0.81 (8/17/2017) | (0.725 - 0.81)/(37 - 19) | -0.00472222 |
| 0.886 (4/7/2022) | 0.81 (8/17/2017) | (0.886 - 0.81)/(38 - 19) | 0.004 |
| 1.65 (8/3/2022) | 0.81 (8/17/2017) | (1.65 - 0.81)/(39 - 19) | 0.042 |
| 0.26 (11/16/2022) | 0.81 (8/17/2017) | (0.26 - 0.81)/(40 - 19) | -0.0261905 |
| 1 (2/13/2023) | 0.81 (8/17/2017) | (1 - 0.81)/(41 - 19) | 0.00863636 |
| 0.903 (5/24/2023) | 0.81 (8/17/2017) | (0.903 - 0.81)/(42 - 19) | 0.00404348 |
| 0.825 (8/7/2023) | 0.81 (8/17/2017) | (0.825 - 0.81)/(43 - 19) | 0.000625 |
| 0.744 (12/12/2023) | 0.81 (8/17/2017) | (0.744 - 0.81)/(44 - 19) | -0.00264 |
| 1.72 (1/10/2024) | 0.81 (8/17/2017) | (1.72 - 0.81)/(45 - 19) | 0.035 |
| 0.51 (5/20/2024) | 0.81 (8/17/2017) | (0.51 - 0.81)/(46 - 19) | -0.0111111 |
| 0.877 (9/16/2024) | 0.81 (8/17/2017) | (0.877 - 0.81)/(47 - 19) | 0.00239286 |
| 1.25 (12/11/2024) | 0.81 (8/17/2017) | (1.25 - 0.81)/(48 - 19) | 0.0151724 |
| 0.648 (2/18/2025) | 0.81 (8/17/2017) | (0.648 - 0.81)/(49 - 19) | -0.0054 |
| | | | |
| ND<0.25 U (3/27/2018) | 0.6 (10/26/2017) | (0.25 - 0.6)/(21 - 20) | -0.35 |
| 0.998 (6/26/2018) | 0.6 (10/26/2017) | (0.998 - 0.6)/(22 - 20) | 0.199 |
| 1.18 (8/1/2018) | 0.6 (10/26/2017) | (1.18 - 0.6)/(23 - 20) | 0.193333 |
| 0.655 (12/11/2018) | 0.6 (10/26/2017) | (0.655 - 0.6)/(24 - 20) | 0.01375 |
| 0.624 (4/17/2019) | 0.6 (10/26/2017) | (0.624 - 0.6)/(25 - 20) | 0.0048 |
| 0.929 (6/11/2019) | 0.6 (10/26/2017) | (0.929 - 0.6)/(26 - 20) | 0.0548333 |
| 1.17 (8/28/2019) | 0.6 (10/26/2017) | (1.17 - 0.6)/(27 - 20) | 0.0814286 |
| 0.739 (10/28/2019) | 0.6 (10/26/2017) | (0.739 - 0.6)/(28 - 20) | 0.017375 |
| 0.928 (3/31/2020) | 0.6 (10/26/2017) | (0.928 - 0.6)/(29 - 20) | 0.0364444 |
| 0.492 (6/10/2020) | 0.6 (10/26/2017) | (0.492 - 0.6)/(30 - 20) | -0.0108 |
| ND<0.25 U (9/21/2020) | 0.6 (10/26/2017) | (0.25 - 0.6)/(31 - 20) | -0.0318182 |
| 0.432 (12/17/2020) | 0.6 (10/26/2017) | (0.432 - 0.6)/(32 - 20) | -0.014 |
| 0.926 (3/18/2021) | 0.6 (10/26/2017) | (0.926 - 0.6)/(33 - 20) | 0.0250769 |
| 1.41 (5/5/2021) | 0.6 (10/26/2017) | (1.41 - 0.6)/(34 - 20) | 0.0578571 |
| 1.33 (9/2/2021) | 0.6 (10/26/2017) | (1.33 - 0.6)/(35 - 20) | 0.0486667 |
| 0.33 (11/23/2021) | 0.6 (10/26/2017) | (0.33 - 0.6)/(36 - 20) | -0.016875 |
| 0.725 (1/10/2022) | 0.6 (10/26/2017) | (0.725 - 0.6)/(37 - 20) | 0.00735294 |
| 0.886 (4/7/2022) | 0.6 (10/26/2017) | (0.886 - 0.6)/(38 - 20) | 0.0158889 |
| 1.65 (8/3/2022) | 0.6 (10/26/2017) | (1.65 - 0.6)/(39 - 20) | 0.0552632 |
| 0.26 (11/16/2022) | 0.6 (10/26/2017) | (0.26 - 0.6)/(40 - 20) | -0.017 |
| 1 (2/13/2023) | 0.6 (10/26/2017) | (1 - 0.6)/(41 - 20) | 0.0190476 |
| 0.903 (5/24/2023) | 0.6 (10/26/2017) | (0.903 - 0.6)/(42 - 20) | 0.0137727 |
| 0.825 (8/7/2023) | 0.6 (10/26/2017) | (0.825 - 0.6)/(43 - 20) | 0.00978261 |
| 0.744 (12/12/2023) | 0.6 (10/26/2017) | (0.744 - 0.6)/(44 - 20) | 0.006 |
| 1.72 (1/10/2024) | 0.6 (10/26/2017) | (1.72 - 0.6)/(45 - 20) | 0.0448 |
| 0.51 (5/20/2024) | 0.6 (10/26/2017) | (0.51 - 0.6)/(46 - 20) | -0.00346154 |
| 0.877 (9/16/2024) | 0.6 (10/26/2017) | (0.877 - 0.6)/(47 - 20) | 0.0102593 |
| 1.25 (12/11/2024) | 0.6 (10/26/2017) | (1.25 - 0.6)/(48 - 20) | 0.0232143 |
| 0.648 (2/18/2025) | 0.6 (10/26/2017) | (0.648 - 0.6)/(49 - 20) | 0.00165517 |

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|---|---|---|---|
| 0.998 (6/26/2018) | ND<0.25 U (3/27/2018) | (0.998 - 0.25)/(22 - 21) | 0.748 |
| 1.18 (8/1/2018) | ND<0.25 U (3/27/2018) | (1.18 - 0.25)/(23 - 21) | 0.465 |
| 0.655 (12/11/2018) | ND<0.25 U (3/27/2018) | (0.655 - 0.25)/(24 - 21) | 0.135 |
| 0.624 (4/17/2019) | ND<0.25 U (3/27/2018) | (0.624 - 0.25)/(25 - 21) | 0.0935 |
| 0.929 (6/11/2019) | ND<0.25 U (3/27/2018) | (0.929 - 0.25)/(26 - 21) | 0.1358 |
| 1.17 (8/28/2019) | ND<0.25 U (3/27/2018) | (1.17 - 0.25)/(27 - 21) | 0.153333 |
| 0.739 (10/28/2019) | ND<0.25 U (3/27/2018) | (0.739 - 0.25)/(28 - 21) | 0.0698571 |
| 0.928 (3/31/2020) | ND<0.25 U (3/27/2018) | (0.928 - 0.25)/(29 - 21) | 0.08475 |
| 0.492 (6/10/2020) | ND<0.25 U (3/27/2018) | (0.492 - 0.25)/(30 - 21) | 0.0268889 |
| ND<0.25 U (9/21/2020) | ND<0.25 U (3/27/2018) | (0.25 - 0.25)/(31 - 21) | 0 |
| 0.432 (12/17/2020) | ND<0.25 U (3/27/2018) | (0.432 - 0.25)/(32 - 21) | 0.0165455 |
| 0.926 (3/18/2021) | ND<0.25 U (3/27/2018) | (0.926 - 0.25)/(33 - 21) | 0.0563333 |
| 1.41 (5/5/2021) | ND<0.25 U (3/27/2018) | (1.41 - 0.25)/(34 - 21) | 0.0892308 |
| 1.33 (9/2/2021) | ND<0.25 U (3/27/2018) | (1.33 - 0.25)/(35 - 21) | 0.0771429 |
| 0.33 (11/23/2021) | ND<0.25 U (3/27/2018) | (0.33 - 0.25)/(36 - 21) | 0.00533333 |
| 0.725 (1/10/2022) | ND<0.25 U (3/27/2018) | (0.725 - 0.25)/(37 - 21) | 0.0296875 |
| 0.886 (4/7/2022) | ND<0.25 U (3/27/2018) | (0.886 - 0.25)/(38 - 21) | 0.0374118 |
| 1.65 (8/3/2022) | ND<0.25 U (3/27/2018) | (1.65 - 0.25)/(39 - 21) | 0.0777778 |
| 0.26 (11/16/2022) | ND<0.25 U (3/27/2018) | (0.26 - 0.25)/(40 - 21) | 0.000526316 |
| 1 (2/13/2023) | ND<0.25 U (3/27/2018) | (1 - 0.25)/(41 - 21) | 0.0375 |
| 0.903 (5/24/2023) | ND<0.25 U (3/27/2018) | (0.903 - 0.25)/(42 - 21) | 0.0310952 |
| 0.825 (8/7/2023) | ND<0.25 U (3/27/2018) | (0.825 - 0.25)/(43 - 21) | 0.0261364 |
| 0.744 (12/12/2023) | ND<0.25 U (3/27/2018) | (0.744 - 0.25)/(44 - 21) | 0.0214783 |
| 1.72 (1/10/2024) | ND<0.25 U (3/27/2018) | (1.72 - 0.25)/(45 - 21) | 0.06125 |
| 0.51 (5/20/2024) | ND<0.25 U (3/27/2018) | (0.51 - 0.25)/(46 - 21) | 0.0104 |
| 0.877 (9/16/2024) | ND<0.25 U (3/27/2018) | (0.877 - 0.25)/(47 - 21) | 0.0241154 |
| 1.25 (12/11/2024) | ND<0.25 U (3/27/2018) | (1.25 - 0.25)/(48 - 21) | 0.037037 |
| 0.648 (2/18/2025) | ND<0.25 U (3/27/2018) | (0.648 - 0.25)/(49 - 21) | 0.0142143 |

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|---|---|---|---|
| 1.18 (8/1/2018) | 0.998 (6/26/2018) | (1.18 - 0.998)/(23 - 22) | 0.182 |
| 0.655 (12/11/2018) | 0.998 (6/26/2018) | (0.655 - 0.998)/(24 - 22) | -0.1715 |
| 0.624 (4/17/2019) | 0.998 (6/26/2018) | (0.624 - 0.998)/(25 - 22) | -0.124667 |
| 0.929 (6/11/2019) | 0.998 (6/26/2018) | (0.929 - 0.998)/(26 - 22) | -0.01725 |
| 1.17 (8/28/2019) | 0.998 (6/26/2018) | (1.17 - 0.998)/(27 - 22) | 0.0344 |
| 0.739 (10/28/2019) | 0.998 (6/26/2018) | (0.739 - 0.998)/(28 - 22) | -0.0431667 |
| 0.928 (3/31/2020) | 0.998 (6/26/2018) | (0.928 - 0.998)/(29 - 22) | -0.01 |
| 0.492 (6/10/2020) | 0.998 (6/26/2018) | (0.492 - 0.998)/(30 - 22) | -0.06325 |
| ND<0.25 U (9/21/2020) | 0.998 (6/26/2018) | (0.25 - 0.998)/(31 - 22) | -0.0831111 |
| 0.432 (12/17/2020) | 0.998 (6/26/2018) | (0.432 - 0.998)/(32 - 22) | -0.0566 |
| 0.926 (3/18/2021) | 0.998 (6/26/2018) | (0.926 - 0.998)/(33 - 22) | -0.00654545 |
| 1.41 (5/5/2021) | 0.998 (6/26/2018) | (1.41 - 0.998)/(34 - 22) | 0.0343333 |
| 1.33 (9/2/2021) | 0.998 (6/26/2018) | (1.33 - 0.998)/(35 - 22) | 0.0255385 |
| 0.33 (11/23/2021) | 0.998 (6/26/2018) | (0.33 - 0.998)/(36 - 22) | -0.0477143 |
| 0.725 (1/10/2022) | 0.998 (6/26/2018) | (0.725 - 0.998)/(37 - 22) | -0.0182 |
| 0.886 (4/7/2022) | 0.998 (6/26/2018) | (0.886 - 0.998)/(38 - 22) | -0.007 |
| 1.65 (8/3/2022) | 0.998 (6/26/2018) | (1.65 - 0.998)/(39 - 22) | 0.0383529 |
| 0.26 (11/16/2022) | 0.998 (6/26/2018) | (0.26 - 0.998)/(40 - 22) | -0.041 |
| 1 (2/13/2023) | 0.998 (6/26/2018) | (1 - 0.998)/(41 - 22) | 0.000105263 |
| 0.903 (5/24/2023) | 0.998 (6/26/2018) | (0.903 - 0.998)/(42 - 22) | -0.00475 |
| 0.825 (8/7/2023) | 0.998 (6/26/2018) | (0.825 - 0.998)/(43 - 22) | -0.0082381 |
| 0.744 (12/12/2023) | 0.998 (6/26/2018) | (0.744 - 0.998)/(44 - 22) | -0.0115455 |
| 1.72 (1/10/2024) | 0.998 (6/26/2018) | (1.72 - 0.998)/(45 - 22) | 0.0313913 |
| 0.51 (5/20/2024) | 0.998 (6/26/2018) | (0.51 - 0.998)/(46 - 22) | -0.0203333 |
| 0.877 (9/16/2024) | 0.998 (6/26/2018) | (0.877 - 0.998)/(47 - 22) | -0.00484 |
| 1.25 (12/11/2024) | 0.998 (6/26/2018) | (1.25 - 0.998)/(48 - 22) | 0.00969231 |
| 0.648 (2/18/2025) | 0.998 (6/26/2018) | (0.648 - 0.998)/(49 - 22) | -0.012963 |

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|---|---|---|---|
| 0.655 (12/11/2018) | 1.18 (8/1/2018) | (0.655 - 1.18)/(24 - 23) | -0.525 |
| 0.624 (4/17/2019) | 1.18 (8/1/2018) | (0.624 - 1.18)/(25 - 23) | -0.278 |
| 0.929 (6/11/2019) | 1.18 (8/1/2018) | (0.929 - 1.18)/(26 - 23) | -0.0836667 |
| 1.17 (8/28/2019) | 1.18 (8/1/2018) | (1.17 - 1.18)/(27 - 23) | -0.0025 |
| 0.739 (10/28/2019) | 1.18 (8/1/2018) | (0.739 - 1.18)/(28 - 23) | -0.0882 |
| 0.928 (3/31/2020) | 1.18 (8/1/2018) | (0.928 - 1.18)/(29 - 23) | -0.042 |
| 0.492 (6/10/2020) | 1.18 (8/1/2018) | (0.492 - 1.18)/(30 - 23) | -0.0982857 |
| ND<0.25 U (9/21/2020) | 1.18 (8/1/2018) | (0.25 - 1.18)/(31 - 23) | -0.11625 |
| 0.432 (12/17/2020) | 1.18 (8/1/2018) | (0.432 - 1.18)/(32 - 23) | -0.0831111 |
| 0.926 (3/18/2021) | 1.18 (8/1/2018) | (0.926 - 1.18)/(33 - 23) | -0.0254 |
| 1.41 (5/5/2021) | 1.18 (8/1/2018) | (1.41 - 1.18)/(34 - 23) | 0.0209091 |
| 1.33 (9/2/2021) | 1.18 (8/1/2018) | (1.33 - 1.18)/(35 - 23) | 0.0125 |
| 0.33 (11/23/2021) | 1.18 (8/1/2018) | (0.33 - 1.18)/(36 - 23) | -0.0653846 |
| 0.725 (1/10/2022) | 1.18 (8/1/2018) | (0.725 - 1.18)/(37 - 23) | -0.0325 |
| 0.886 (4/7/2022) | 1.18 (8/1/2018) | (0.886 - 1.18)/(38 - 23) | -0.0196 |
| 1.65 (8/3/2022) | 1.18 (8/1/2018) | (1.65 - 1.18)/(39 - 23) | 0.029375 |
| 0.26 (11/16/2022) | 1.18 (8/1/2018) | (0.26 - 1.18)/(40 - 23) | -0.0541176 |
| 1 (2/13/2023) | 1.18 (8/1/2018) | (1 - 1.18)/(41 - 23) | -0.01 |
| 0.903 (5/24/2023) | 1.18 (8/1/2018) | (0.903 - 1.18)/(42 - 23) | -0.0145789 |
| 0.825 (8/7/2023) | 1.18 (8/1/2018) | (0.825 - 1.18)/(43 - 23) | -0.01775 |
| 0.744 (12/12/2023) | 1.18 (8/1/2018) | (0.744 - 1.18)/(44 - 23) | -0.0207619 |
| 1.72 (1/10/2024) | 1.18 (8/1/2018) | (1.72 - 1.18)/(45 - 23) | 0.0245455 |
| 0.51 (5/20/2024) | 1.18 (8/1/2018) | (0.51 - 1.18)/(46 - 23) | -0.0291304 |
| 0.877 (9/16/2024) | 1.18 (8/1/2018) | (0.877 - 1.18)/(47 - 23) | -0.012625 |
| 1.25 (12/11/2024) | 1.18 (8/1/2018) | (1.25 - 1.18)/(48 - 23) | 0.0028 |
| 0.648 (2/18/2025) | 1.18 (8/1/2018) | (0.648 - 1.18)/(49 - 23) | -0.0204615 |
| | | | |
| 0.624 (4/17/2019) | 0.655 (12/11/2018) | (0.624 - 0.655)/(25 - 24) | -0.031 |
| 0.929 (6/11/2019) | 0.655 (12/11/2018) | (0.929 - 0.655)/(26 - 24) | 0.137 |
| 1.17 (8/28/2019) | 0.655 (12/11/2018) | (1.17 - 0.655)/(27 - 24) | 0.171667 |
| 0.739 (10/28/2019) | 0.655 (12/11/2018) | (0.739 - 0.655)/(28 - 24) | 0.021 |
| 0.928 (3/31/2020) | 0.655 (12/11/2018) | (0.928 - 0.655)/(29 - 24) | 0.0546 |
| 0.492 (6/10/2020) | 0.655 (12/11/2018) | (0.492 - 0.655)/(30 - 24) | -0.0271667 |
| ND<0.25 U (9/21/2020) | 0.655 (12/11/2018) | (0.25 - 0.655)/(31 - 24) | -0.0578571 |
| 0.432 (12/17/2020) | 0.655 (12/11/2018) | (0.432 - 0.655)/(32 - 24) | -0.027875 |
| 0.926 (3/18/2021) | 0.655 (12/11/2018) | (0.926 - 0.655)/(33 - 24) | 0.0301111 |
| 1.41 (5/5/2021) | 0.655 (12/11/2018) | (1.41 - 0.655)/(34 - 24) | 0.0755 |
| 1.33 (9/2/2021) | 0.655 (12/11/2018) | (1.33 - 0.655)/(35 - 24) | 0.0613636 |
| 0.33 (11/23/2021) | 0.655 (12/11/2018) | (0.33 - 0.655)/(36 - 24) | -0.0270833 |
| 0.725 (1/10/2022) | 0.655 (12/11/2018) | (0.725 - 0.655)/(37 - 24) | 0.00538462 |
| 0.886 (4/7/2022) | 0.655 (12/11/2018) | (0.886 - 0.655)/(38 - 24) | 0.0165 |
| 1.65 (8/3/2022) | 0.655 (12/11/2018) | (1.65 - 0.655)/(39 - 24) | 0.0663333 |
| 0.26 (11/16/2022) | 0.655 (12/11/2018) | (0.26 - 0.655)/(40 - 24) | -0.0246875 |
| 1 (2/13/2023) | 0.655 (12/11/2018) | (1 - 0.655)/(41 - 24) | 0.0202941 |
| 0.903 (5/24/2023) | 0.655 (12/11/2018) | (0.903 - 0.655)/(42 - 24) | 0.0137778 |
| 0.825 (8/7/2023) | 0.655 (12/11/2018) | (0.825 - 0.655)/(43 - 24) | 0.00894737 |
| 0.744 (12/12/2023) | 0.655 (12/11/2018) | (0.744 - 0.655)/(44 - 24) | 0.00445 |
| 1.72 (1/10/2024) | 0.655 (12/11/2018) | (1.72 - 0.655)/(45 - 24) | 0.0507143 |
| 0.51 (5/20/2024) | 0.655 (12/11/2018) | (0.51 - 0.655)/(46 - 24) | -0.00659091 |
| 0.877 (9/16/2024) | 0.655 (12/11/2018) | (0.877 - 0.655)/(47 - 24) | 0.00965217 |
| 1.25 (12/11/2024) | 0.655 (12/11/2018) | (1.25 - 0.655)/(48 - 24) | 0.0247917 |
| 0.648 (2/18/2025) | 0.655 (12/11/2018) | (0.648 - 0.655)/(49 - 24) | -0.00028 |
| | | | |
| 0.929 (6/11/2019) | 0.624 (4/17/2019) | (0.929 - 0.624)/(26 - 25) | 0.305 |
| 1.17 (8/28/2019) | 0.624 (4/17/2019) | (1.17 - 0.624)/(27 - 25) | 0.273 |
| 0.739 (10/28/2019) | 0.624 (4/17/2019) | (0.739 - 0.624)/(28 - 25) | 0.0383333 |

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|---|---|---|---|
| 0.928 (3/31/2020) | 0.624 (4/17/2019) | (0.928 - 0.624)/(29 - 25) | 0.076 |
| 0.492 (6/10/2020) | 0.624 (4/17/2019) | (0.492 - 0.624)/(30 - 25) | -0.0264 |
| ND<0.25 U (9/21/2020) | 0.624 (4/17/2019) | (0.25 - 0.624)/(31 - 25) | -0.0623333 |
| 0.432 (12/17/2020) | 0.624 (4/17/2019) | (0.432 - 0.624)/(32 - 25) | -0.0274286 |
| 0.926 (3/18/2021) | 0.624 (4/17/2019) | (0.926 - 0.624)/(33 - 25) | 0.03775 |
| 1.41 (5/5/2021) | 0.624 (4/17/2019) | (1.41 - 0.624)/(34 - 25) | 0.0873333 |
| 1.33 (9/2/2021) | 0.624 (4/17/2019) | (1.33 - 0.624)/(35 - 25) | 0.0706 |
| 0.33 (11/23/2021) | 0.624 (4/17/2019) | (0.33 - 0.624)/(36 - 25) | -0.0267273 |
| 0.725 (1/10/2022) | 0.624 (4/17/2019) | (0.725 - 0.624)/(37 - 25) | 0.00841667 |
| 0.886 (4/7/2022) | 0.624 (4/17/2019) | (0.886 - 0.624)/(38 - 25) | 0.0201538 |
| 1.65 (8/3/2022) | 0.624 (4/17/2019) | (1.65 - 0.624)/(39 - 25) | 0.0732857 |
| 0.26 (11/16/2022) | 0.624 (4/17/2019) | (0.26 - 0.624)/(40 - 25) | -0.0242667 |
| 1 (2/13/2023) | 0.624 (4/17/2019) | (1 - 0.624)/(41 - 25) | 0.0235 |
| 0.903 (5/24/2023) | 0.624 (4/17/2019) | (0.903 - 0.624)/(42 - 25) | 0.0164118 |
| 0.825 (8/7/2023) | 0.624 (4/17/2019) | (0.825 - 0.624)/(43 - 25) | 0.0111667 |
| 0.744 (12/12/2023) | 0.624 (4/17/2019) | (0.744 - 0.624)/(44 - 25) | 0.00631579 |
| 1.72 (1/10/2024) | 0.624 (4/17/2019) | (1.72 - 0.624)/(45 - 25) | 0.0548 |
| 0.51 (5/20/2024) | 0.624 (4/17/2019) | (0.51 - 0.624)/(46 - 25) | -0.00542857 |
| 0.877 (9/16/2024) | 0.624 (4/17/2019) | (0.877 - 0.624)/(47 - 25) | 0.0115 |
| 1.25 (12/11/2024) | 0.624 (4/17/2019) | (1.25 - 0.624)/(48 - 25) | 0.0272174 |
| 0.648 (2/18/2025) | 0.624 (4/17/2019) | (0.648 - 0.624)/(49 - 25) | 0.001 |
| | | | |
| 1.17 (8/28/2019) | 0.929 (6/11/2019) | (1.17 - 0.929)/(27 - 26) | 0.241 |
| 0.739 (10/28/2019) | 0.929 (6/11/2019) | (0.739 - 0.929)/(28 - 26) | -0.095 |
| 0.928 (3/31/2020) | 0.929 (6/11/2019) | (0.928 - 0.929)/(29 - 26) | -0.000333333 |
| 0.492 (6/10/2020) | 0.929 (6/11/2019) | (0.492 - 0.929)/(30 - 26) | -0.10925 |
| ND<0.25 U (9/21/2020) | 0.929 (6/11/2019) | (0.25 - 0.929)/(31 - 26) | -0.1358 |
| 0.432 (12/17/2020) | 0.929 (6/11/2019) | (0.432 - 0.929)/(32 - 26) | -0.0828333 |
| 0.926 (3/18/2021) | 0.929 (6/11/2019) | (0.926 - 0.929)/(33 - 26) | -0.000428571 |
| 1.41 (5/5/2021) | 0.929 (6/11/2019) | (1.41 - 0.929)/(34 - 26) | 0.060125 |
| 1.33 (9/2/2021) | 0.929 (6/11/2019) | (1.33 - 0.929)/(35 - 26) | 0.0445556 |
| 0.33 (11/23/2021) | 0.929 (6/11/2019) | (0.33 - 0.929)/(36 - 26) | -0.0599 |
| 0.725 (1/10/2022) | 0.929 (6/11/2019) | (0.725 - 0.929)/(37 - 26) | -0.0185455 |
| 0.886 (4/7/2022) | 0.929 (6/11/2019) | (0.886 - 0.929)/(38 - 26) | -0.00358333 |
| 1.65 (8/3/2022) | 0.929 (6/11/2019) | (1.65 - 0.929)/(39 - 26) | 0.0554615 |
| 0.26 (11/16/2022) | 0.929 (6/11/2019) | (0.26 - 0.929)/(40 - 26) | -0.0477857 |
| 1 (2/13/2023) | 0.929 (6/11/2019) | (1 - 0.929)/(41 - 26) | 0.00473333 |
| 0.903 (5/24/2023) | 0.929 (6/11/2019) | (0.903 - 0.929)/(42 - 26) | -0.001625 |
| 0.825 (8/7/2023) | 0.929 (6/11/2019) | (0.825 - 0.929)/(43 - 26) | -0.00611765 |
| 0.744 (12/12/2023) | 0.929 (6/11/2019) | (0.744 - 0.929)/(44 - 26) | -0.0102778 |
| 1.72 (1/10/2024) | 0.929 (6/11/2019) | (1.72 - 0.929)/(45 - 26) | 0.0416316 |
| 0.51 (5/20/2024) | 0.929 (6/11/2019) | (0.51 - 0.929)/(46 - 26) | -0.02095 |
| 0.877 (9/16/2024) | 0.929 (6/11/2019) | (0.877 - 0.929)/(47 - 26) | -0.00247619 |
| 1.25 (12/11/2024) | 0.929 (6/11/2019) | (1.25 - 0.929)/(48 - 26) | 0.0145909 |
| 0.648 (2/18/2025) | 0.929 (6/11/2019) | (0.648 - 0.929)/(49 - 26) | -0.0122174 |
| | | | |
| 0.739 (10/28/2019) | 1.17 (8/28/2019) | (0.739 - 1.17)/(28 - 27) | -0.431 |
| 0.928 (3/31/2020) | 1.17 (8/28/2019) | (0.928 - 1.17)/(29 - 27) | -0.121 |
| 0.492 (6/10/2020) | 1.17 (8/28/2019) | (0.492 - 1.17)/(30 - 27) | -0.226 |
| ND<0.25 U (9/21/2020) | 1.17 (8/28/2019) | (0.25 - 1.17)/(31 - 27) | -0.23 |
| 0.432 (12/17/2020) | 1.17 (8/28/2019) | (0.432 - 1.17)/(32 - 27) | -0.1476 |
| 0.926 (3/18/2021) | 1.17 (8/28/2019) | (0.926 - 1.17)/(33 - 27) | -0.0406667 |
| 1.41 (5/5/2021) | 1.17 (8/28/2019) | (1.41 - 1.17)/(34 - 27) | 0.0342857 |
| 1.33 (9/2/2021) | 1.17 (8/28/2019) | (1.33 - 1.17)/(35 - 27) | 0.02 |
| 0.33 (11/23/2021) | 1.17 (8/28/2019) | (0.33 - 1.17)/(36 - 27) | -0.0933333 |
| 0.725 (1/10/2022) | 1.17 (8/28/2019) | (0.725 - 1.17)/(37 - 27) | -0.0445 |
| 0.886 (4/7/2022) | 1.17 (8/28/2019) | (0.886 - 1.17)/(38 - 27) | -0.0258182 |

| | | | |
|---|---|---|---|
| 1.65 (8/3/2022) | 1.17 (8/28/2019) | (1.65 - 1.17)/(39 - 27) | 0.04 |
| 0.26 (11/16/2022) | 1.17 (8/28/2019) | (0.26 - 1.17)/(40 - 27) | -0.07 |
| 1 (2/13/2023) | 1.17 (8/28/2019) | (1 - 1.17)/(41 - 27) | -0.0121429 |
| 0.903 (5/24/2023) | 1.17 (8/28/2019) | (0.903 - 1.17)/(42 - 27) | -0.0178 |
| 0.825 (8/7/2023) | 1.17 (8/28/2019) | (0.825 - 1.17)/(43 - 27) | -0.0215625 |
| 0.744 (12/12/2023) | 1.17 (8/28/2019) | (0.744 - 1.17)/(44 - 27) | -0.0250588 |
| 1.72 (1/10/2024) | 1.17 (8/28/2019) | (1.72 - 1.17)/(45 - 27) | 0.0305556 |
| 0.51 (5/20/2024) | 1.17 (8/28/2019) | (0.51 - 1.17)/(46 - 27) | -0.0347368 |
| 0.877 (9/16/2024) | 1.17 (8/28/2019) | (0.877 - 1.17)/(47 - 27) | -0.01465 |
| 1.25 (12/11/2024) | 1.17 (8/28/2019) | (1.25 - 1.17)/(48 - 27) | 0.00380952 |
| 0.648 (2/18/2025) | 1.17 (8/28/2019) | (0.648 - 1.17)/(49 - 27) | -0.0237273 |
| | | | |
| 0.928 (3/31/2020) | 0.739 (10/28/2019) | (0.928 - 0.739)/(29 - 28) | 0.189 |
| 0.492 (6/10/2020) | 0.739 (10/28/2019) | (0.492 - 0.739)/(30 - 28) | -0.1235 |
| ND<0.25 U (9/21/2020) | 0.739 (10/28/2019) | (0.25 - 0.739)/(31 - 28) | -0.163 |
| 0.432 (12/17/2020) | 0.739 (10/28/2019) | (0.432 - 0.739)/(32 - 28) | -0.07675 |
| 0.926 (3/18/2021) | 0.739 (10/28/2019) | (0.926 - 0.739)/(33 - 28) | 0.0374 |
| 1.41 (5/5/2021) | 0.739 (10/28/2019) | (1.41 - 0.739)/(34 - 28) | 0.111833 |
| 1.33 (9/2/2021) | 0.739 (10/28/2019) | (1.33 - 0.739)/(35 - 28) | 0.0844286 |
| 0.33 (11/23/2021) | 0.739 (10/28/2019) | (0.33 - 0.739)/(36 - 28) | -0.051125 |
| 0.725 (1/10/2022) | 0.739 (10/28/2019) | (0.725 - 0.739)/(37 - 28) | -0.00155556 |
| 0.886 (4/7/2022) | 0.739 (10/28/2019) | (0.886 - 0.739)/(38 - 28) | 0.0147 |
| 1.65 (8/3/2022) | 0.739 (10/28/2019) | (1.65 - 0.739)/(39 - 28) | 0.0828182 |
| 0.26 (11/16/2022) | 0.739 (10/28/2019) | (0.26 - 0.739)/(40 - 28) | -0.0399167 |
| 1 (2/13/2023) | 0.739 (10/28/2019) | (1 - 0.739)/(41 - 28) | 0.0200769 |
| 0.903 (5/24/2023) | 0.739 (10/28/2019) | (0.903 - 0.739)/(42 - 28) | 0.0117143 |
| 0.825 (8/7/2023) | 0.739 (10/28/2019) | (0.825 - 0.739)/(43 - 28) | 0.00573333 |
| 0.744 (12/12/2023) | 0.739 (10/28/2019) | (0.744 - 0.739)/(44 - 28) | 0.0003125 |
| 1.72 (1/10/2024) | 0.739 (10/28/2019) | (1.72 - 0.739)/(45 - 28) | 0.0577059 |
| 0.51 (5/20/2024) | 0.739 (10/28/2019) | (0.51 - 0.739)/(46 - 28) | -0.0127222 |
| 0.877 (9/16/2024) | 0.739 (10/28/2019) | (0.877 - 0.739)/(47 - 28) | 0.00726316 |
| 1.25 (12/11/2024) | 0.739 (10/28/2019) | (1.25 - 0.739)/(48 - 28) | 0.02555 |
| 0.648 (2/18/2025) | 0.739 (10/28/2019) | (0.648 - 0.739)/(49 - 28) | -0.00433333 |
| | | | |
| 0.492 (6/10/2020) | 0.928 (3/31/2020) | (0.492 - 0.928)/(30 - 29) | -0.436 |
| ND<0.25 U (9/21/2020) | 0.928 (3/31/2020) | (0.25 - 0.928)/(31 - 29) | -0.339 |
| 0.432 (12/17/2020) | 0.928 (3/31/2020) | (0.432 - 0.928)/(32 - 29) | -0.165333 |
| 0.926 (3/18/2021) | 0.928 (3/31/2020) | (0.926 - 0.928)/(33 - 29) | -0.0005 |
| 1.41 (5/5/2021) | 0.928 (3/31/2020) | (1.41 - 0.928)/(34 - 29) | 0.0964 |
| 1.33 (9/2/2021) | 0.928 (3/31/2020) | (1.33 - 0.928)/(35 - 29) | 0.067 |
| 0.33 (11/23/2021) | 0.928 (3/31/2020) | (0.33 - 0.928)/(36 - 29) | -0.0854286 |
| 0.725 (1/10/2022) | 0.928 (3/31/2020) | (0.725 - 0.928)/(37 - 29) | -0.025375 |
| 0.886 (4/7/2022) | 0.928 (3/31/2020) | (0.886 - 0.928)/(38 - 29) | -0.00466667 |
| 1.65 (8/3/2022) | 0.928 (3/31/2020) | (1.65 - 0.928)/(39 - 29) | 0.0722 |
| 0.26 (11/16/2022) | 0.928 (3/31/2020) | (0.26 - 0.928)/(40 - 29) | -0.0607273 |
| 1 (2/13/2023) | 0.928 (3/31/2020) | (1 - 0.928)/(41 - 29) | 0.006 |
| 0.903 (5/24/2023) | 0.928 (3/31/2020) | (0.903 - 0.928)/(42 - 29) | -0.00192308 |
| 0.825 (8/7/2023) | 0.928 (3/31/2020) | (0.825 - 0.928)/(43 - 29) | -0.00735714 |
| 0.744 (12/12/2023) | 0.928 (3/31/2020) | (0.744 - 0.928)/(44 - 29) | -0.0122667 |
| 1.72 (1/10/2024) | 0.928 (3/31/2020) | (1.72 - 0.928)/(45 - 29) | 0.0495 |
| 0.51 (5/20/2024) | 0.928 (3/31/2020) | (0.51 - 0.928)/(46 - 29) | -0.0245882 |
| 0.877 (9/16/2024) | 0.928 (3/31/2020) | (0.877 - 0.928)/(47 - 29) | -0.00283333 |
| 1.25 (12/11/2024) | 0.928 (3/31/2020) | (1.25 - 0.928)/(48 - 29) | 0.0169474 |
| 0.648 (2/18/2025) | 0.928 (3/31/2020) | (0.648 - 0.928)/(49 - 29) | -0.014 |
| | | | |
| ND<0.25 U (9/21/2020) | 0.492 (6/10/2020) | (0.25 - 0.492)/(31 - 30) | -0.242 |
| 0.432 (12/17/2020) | 0.492 (6/10/2020) | (0.432 - 0.492)/(32 - 30) | -0.03 |

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|---|---|---|---|
| 0.926 (3/18/2021) | 0.492 (6/10/2020) | (0.926 - 0.492)/(33 - 30) | 0.144667 |
| 1.41 (5/5/2021) | 0.492 (6/10/2020) | (1.41 - 0.492)/(34 - 30) | 0.2295 |
| 1.33 (9/2/2021) | 0.492 (6/10/2020) | (1.33 - 0.492)/(35 - 30) | 0.1676 |
| 0.33 (11/23/2021) | 0.492 (6/10/2020) | (0.33 - 0.492)/(36 - 30) | -0.027 |
| 0.725 (1/10/2022) | 0.492 (6/10/2020) | (0.725 - 0.492)/(37 - 30) | 0.0332857 |
| 0.886 (4/7/2022) | 0.492 (6/10/2020) | (0.886 - 0.492)/(38 - 30) | 0.04925 |
| 1.65 (8/3/2022) | 0.492 (6/10/2020) | (1.65 - 0.492)/(39 - 30) | 0.128667 |
| 0.26 (11/16/2022) | 0.492 (6/10/2020) | (0.26 - 0.492)/(40 - 30) | -0.0232 |
| 1 (2/13/2023) | 0.492 (6/10/2020) | (1 - 0.492)/(41 - 30) | 0.0461818 |
| 0.903 (5/24/2023) | 0.492 (6/10/2020) | (0.903 - 0.492)/(42 - 30) | 0.03425 |
| 0.825 (8/7/2023) | 0.492 (6/10/2020) | (0.825 - 0.492)/(43 - 30) | 0.0256154 |
| 0.744 (12/12/2023) | 0.492 (6/10/2020) | (0.744 - 0.492)/(44 - 30) | 0.018 |
| 1.72 (1/10/2024) | 0.492 (6/10/2020) | (1.72 - 0.492)/(45 - 30) | 0.0818667 |
| 0.51 (5/20/2024) | 0.492 (6/10/2020) | (0.51 - 0.492)/(46 - 30) | 0.001125 |
| 0.877 (9/16/2024) | 0.492 (6/10/2020) | (0.877 - 0.492)/(47 - 30) | 0.0226471 |
| 1.25 (12/11/2024) | 0.492 (6/10/2020) | (1.25 - 0.492)/(48 - 30) | 0.0421111 |
| 0.648 (2/18/2025) | 0.492 (6/10/2020) | (0.648 - 0.492)/(49 - 30) | 0.00821053 |
| | | | |
| 0.432 (12/17/2020) | ND<0.25 U (9/21/2020) | (0.432 - 0.25)/(32 - 31) | 0.182 |
| 0.926 (3/18/2021) | ND<0.25 U (9/21/2020) | (0.926 - 0.25)/(33 - 31) | 0.338 |
| 1.41 (5/5/2021) | ND<0.25 U (9/21/2020) | (1.41 - 0.25)/(34 - 31) | 0.386667 |
| 1.33 (9/2/2021) | ND<0.25 U (9/21/2020) | (1.33 - 0.25)/(35 - 31) | 0.27 |
| 0.33 (11/23/2021) | ND<0.25 U (9/21/2020) | (0.33 - 0.25)/(36 - 31) | 0.016 |
| 0.725 (1/10/2022) | ND<0.25 U (9/21/2020) | (0.725 - 0.25)/(37 - 31) | 0.0791667 |
| 0.886 (4/7/2022) | ND<0.25 U (9/21/2020) | (0.886 - 0.25)/(38 - 31) | 0.0908571 |
| 1.65 (8/3/2022) | ND<0.25 U (9/21/2020) | (1.65 - 0.25)/(39 - 31) | 0.175 |
| 0.26 (11/16/2022) | ND<0.25 U (9/21/2020) | (0.26 - 0.25)/(40 - 31) | 0.00111111 |
| 1 (2/13/2023) | ND<0.25 U (9/21/2020) | (1 - 0.25)/(41 - 31) | 0.075 |
| 0.903 (5/24/2023) | ND<0.25 U (9/21/2020) | (0.903 - 0.25)/(42 - 31) | 0.0593636 |
| 0.825 (8/7/2023) | ND<0.25 U (9/21/2020) | (0.825 - 0.25)/(43 - 31) | 0.0479167 |
| 0.744 (12/12/2023) | ND<0.25 U (9/21/2020) | (0.744 - 0.25)/(44 - 31) | 0.038 |
| 1.72 (1/10/2024) | ND<0.25 U (9/21/2020) | (1.72 - 0.25)/(45 - 31) | 0.105 |
| 0.51 (5/20/2024) | ND<0.25 U (9/21/2020) | (0.51 - 0.25)/(46 - 31) | 0.0173333 |
| 0.877 (9/16/2024) | ND<0.25 U (9/21/2020) | (0.877 - 0.25)/(47 - 31) | 0.0391875 |
| 1.25 (12/11/2024) | ND<0.25 U (9/21/2020) | (1.25 - 0.25)/(48 - 31) | 0.0588235 |
| 0.648 (2/18/2025) | ND<0.25 U (9/21/2020) | (0.648 - 0.25)/(49 - 31) | 0.0221111 |
| | | | |
| 0.926 (3/18/2021) | 0.432 (12/17/2020) | (0.926 - 0.432)/(33 - 32) | 0.494 |
| 1.41 (5/5/2021) | 0.432 (12/17/2020) | (1.41 - 0.432)/(34 - 32) | 0.489 |
| 1.33 (9/2/2021) | 0.432 (12/17/2020) | (1.33 - 0.432)/(35 - 32) | 0.299333 |
| 0.33 (11/23/2021) | 0.432 (12/17/2020) | (0.33 - 0.432)/(36 - 32) | -0.0255 |
| 0.725 (1/10/2022) | 0.432 (12/17/2020) | (0.725 - 0.432)/(37 - 32) | 0.0586 |
| 0.886 (4/7/2022) | 0.432 (12/17/2020) | (0.886 - 0.432)/(38 - 32) | 0.0756667 |
| 1.65 (8/3/2022) | 0.432 (12/17/2020) | (1.65 - 0.432)/(39 - 32) | 0.174 |
| 0.26 (11/16/2022) | 0.432 (12/17/2020) | (0.26 - 0.432)/(40 - 32) | -0.0215 |
| 1 (2/13/2023) | 0.432 (12/17/2020) | (1 - 0.432)/(41 - 32) | 0.0631111 |
| 0.903 (5/24/2023) | 0.432 (12/17/2020) | (0.903 - 0.432)/(42 - 32) | 0.0471 |
| 0.825 (8/7/2023) | 0.432 (12/17/2020) | (0.825 - 0.432)/(43 - 32) | 0.0357273 |
| 0.744 (12/12/2023) | 0.432 (12/17/2020) | (0.744 - 0.432)/(44 - 32) | 0.026 |
| 1.72 (1/10/2024) | 0.432 (12/17/2020) | (1.72 - 0.432)/(45 - 32) | 0.0990769 |
| 0.51 (5/20/2024) | 0.432 (12/17/2020) | (0.51 - 0.432)/(46 - 32) | 0.00557143 |
| 0.877 (9/16/2024) | 0.432 (12/17/2020) | (0.877 - 0.432)/(47 - 32) | 0.0296667 |
| 1.25 (12/11/2024) | 0.432 (12/17/2020) | (1.25 - 0.432)/(48 - 32) | 0.051125 |
| 0.648 (2/18/2025) | 0.432 (12/17/2020) | (0.648 - 0.432)/(49 - 32) | 0.0127059 |
| | | | |
| 1.41 (5/5/2021) | 0.926 (3/18/2021) | (1.41 - 0.926)/(34 - 33) | 0.484 |
| 1.33 (9/2/2021) | 0.926 (3/18/2021) | (1.33 - 0.926)/(35 - 33) | 0.202 |

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|---|---|---|---|
| 0.33 (11/23/2021) | 0.926 (3/18/2021) | (0.33 - 0.926)/(36 - 33) | -0.198667 |
| 0.725 (1/10/2022) | 0.926 (3/18/2021) | (0.725 - 0.926)/(37 - 33) | -0.05025 |
| 0.886 (4/7/2022) | 0.926 (3/18/2021) | (0.886 - 0.926)/(38 - 33) | -0.008 |
| 1.65 (8/3/2022) | 0.926 (3/18/2021) | (1.65 - 0.926)/(39 - 33) | 0.120667 |
| 0.26 (11/16/2022) | 0.926 (3/18/2021) | (0.26 - 0.926)/(40 - 33) | -0.0951429 |
| 1 (2/13/2023) | 0.926 (3/18/2021) | (1 - 0.926)/(41 - 33) | 0.00925 |
| 0.903 (5/24/2023) | 0.926 (3/18/2021) | (0.903 - 0.926)/(42 - 33) | -0.00255556 |
| 0.825 (8/7/2023) | 0.926 (3/18/2021) | (0.825 - 0.926)/(43 - 33) | -0.0101 |
| 0.744 (12/12/2023) | 0.926 (3/18/2021) | (0.744 - 0.926)/(44 - 33) | -0.0165455 |
| 1.72 (1/10/2024) | 0.926 (3/18/2021) | (1.72 - 0.926)/(45 - 33) | 0.0661667 |
| 0.51 (5/20/2024) | 0.926 (3/18/2021) | (0.51 - 0.926)/(46 - 33) | -0.032 |
| 0.877 (9/16/2024) | 0.926 (3/18/2021) | (0.877 - 0.926)/(47 - 33) | -0.0035 |
| 1.25 (12/11/2024) | 0.926 (3/18/2021) | (1.25 - 0.926)/(48 - 33) | 0.0216 |
| 0.648 (2/18/2025) | 0.926 (3/18/2021) | (0.648 - 0.926)/(49 - 33) | -0.017375 |
| | | | |
| 1.33 (9/2/2021) | 1.41 (5/5/2021) | (1.33 - 1.41)/(35 - 34) | -0.08 |
| 0.33 (11/23/2021) | 1.41 (5/5/2021) | (0.33 - 1.41)/(36 - 34) | -0.54 |
| 0.725 (1/10/2022) | 1.41 (5/5/2021) | (0.725 - 1.41)/(37 - 34) | -0.228333 |
| 0.886 (4/7/2022) | 1.41 (5/5/2021) | (0.886 - 1.41)/(38 - 34) | -0.131 |
| 1.65 (8/3/2022) | 1.41 (5/5/2021) | (1.65 - 1.41)/(39 - 34) | 0.048 |
| 0.26 (11/16/2022) | 1.41 (5/5/2021) | (0.26 - 1.41)/(40 - 34) | -0.191667 |
| 1 (2/13/2023) | 1.41 (5/5/2021) | (1 - 1.41)/(41 - 34) | -0.0585714 |
| 0.903 (5/24/2023) | 1.41 (5/5/2021) | (0.903 - 1.41)/(42 - 34) | -0.063375 |
| 0.825 (8/7/2023) | 1.41 (5/5/2021) | (0.825 - 1.41)/(43 - 34) | -0.065 |
| 0.744 (12/12/2023) | 1.41 (5/5/2021) | (0.744 - 1.41)/(44 - 34) | -0.0666 |
| 1.72 (1/10/2024) | 1.41 (5/5/2021) | (1.72 - 1.41)/(45 - 34) | 0.0281818 |
| 0.51 (5/20/2024) | 1.41 (5/5/2021) | (0.51 - 1.41)/(46 - 34) | -0.075 |
| 0.877 (9/16/2024) | 1.41 (5/5/2021) | (0.877 - 1.41)/(47 - 34) | -0.041 |
| 1.25 (12/11/2024) | 1.41 (5/5/2021) | (1.25 - 1.41)/(48 - 34) | -0.0114286 |
| 0.648 (2/18/2025) | 1.41 (5/5/2021) | (0.648 - 1.41)/(49 - 34) | -0.0508 |
| | | | |
| 0.33 (11/23/2021) | 1.33 (9/2/2021) | (0.33 - 1.33)/(36 - 35) | -1 |
| 0.725 (1/10/2022) | 1.33 (9/2/2021) | (0.725 - 1.33)/(37 - 35) | -0.3025 |
| 0.886 (4/7/2022) | 1.33 (9/2/2021) | (0.886 - 1.33)/(38 - 35) | -0.148 |
| 1.65 (8/3/2022) | 1.33 (9/2/2021) | (1.65 - 1.33)/(39 - 35) | 0.08 |
| 0.26 (11/16/2022) | 1.33 (9/2/2021) | (0.26 - 1.33)/(40 - 35) | -0.214 |
| 1 (2/13/2023) | 1.33 (9/2/2021) | (1 - 1.33)/(41 - 35) | -0.055 |
| 0.903 (5/24/2023) | 1.33 (9/2/2021) | (0.903 - 1.33)/(42 - 35) | -0.061 |
| 0.825 (8/7/2023) | 1.33 (9/2/2021) | (0.825 - 1.33)/(43 - 35) | -0.063125 |
| 0.744 (12/12/2023) | 1.33 (9/2/2021) | (0.744 - 1.33)/(44 - 35) | -0.0651111 |
| 1.72 (1/10/2024) | 1.33 (9/2/2021) | (1.72 - 1.33)/(45 - 35) | 0.039 |
| 0.51 (5/20/2024) | 1.33 (9/2/2021) | (0.51 - 1.33)/(46 - 35) | -0.0745455 |
| 0.877 (9/16/2024) | 1.33 (9/2/2021) | (0.877 - 1.33)/(47 - 35) | -0.03775 |
| 1.25 (12/11/2024) | 1.33 (9/2/2021) | (1.25 - 1.33)/(48 - 35) | -0.00615385 |
| 0.648 (2/18/2025) | 1.33 (9/2/2021) | (0.648 - 1.33)/(49 - 35) | -0.0487143 |
| | | | |
| 0.725 (1/10/2022) | 0.33 (11/23/2021) | (0.725 - 0.33)/(37 - 36) | 0.395 |
| 0.886 (4/7/2022) | 0.33 (11/23/2021) | (0.886 - 0.33)/(38 - 36) | 0.278 |
| 1.65 (8/3/2022) | 0.33 (11/23/2021) | (1.65 - 0.33)/(39 - 36) | 0.44 |
| 0.26 (11/16/2022) | 0.33 (11/23/2021) | (0.26 - 0.33)/(40 - 36) | -0.0175 |
| 1 (2/13/2023) | 0.33 (11/23/2021) | (1 - 0.33)/(41 - 36) | 0.134 |
| 0.903 (5/24/2023) | 0.33 (11/23/2021) | (0.903 - 0.33)/(42 - 36) | 0.0955 |
| 0.825 (8/7/2023) | 0.33 (11/23/2021) | (0.825 - 0.33)/(43 - 36) | 0.0707143 |
| 0.744 (12/12/2023) | 0.33 (11/23/2021) | (0.744 - 0.33)/(44 - 36) | 0.05175 |
| 1.72 (1/10/2024) | 0.33 (11/23/2021) | (1.72 - 0.33)/(45 - 36) | 0.154444 |
| 0.51 (5/20/2024) | 0.33 (11/23/2021) | (0.51 - 0.33)/(46 - 36) | 0.018 |
| 0.877 (9/16/2024) | 0.33 (11/23/2021) | (0.877 - 0.33)/(47 - 36) | 0.0497273 |

| | | | |
|---|---|---|---|
| 1.25 (12/11/2024) | 0.33 (11/23/2021) | (1.25 - 0.33)/(48 - 36) | 0.0766667 |
| 0.648 (2/18/2025) | 0.33 (11/23/2021) | (0.648 - 0.33)/(49 - 36) | 0.0244615 |
| | | | |
| 0.886 (4/7/2022) | 0.725 (1/10/2022) | (0.886 - 0.725)/(38 - 37) | 0.161 |
| 1.65 (8/3/2022) | 0.725 (1/10/2022) | (1.65 - 0.725)/(39 - 37) | 0.4625 |
| 0.26 (11/16/2022) | 0.725 (1/10/2022) | (0.26 - 0.725)/(40 - 37) | -0.155 |
| 1 (2/13/2023) | 0.725 (1/10/2022) | (1 - 0.725)/(41 - 37) | 0.06875 |
| 0.903 (5/24/2023) | 0.725 (1/10/2022) | (0.903 - 0.725)/(42 - 37) | 0.0356 |
| 0.825 (8/7/2023) | 0.725 (1/10/2022) | (0.825 - 0.725)/(43 - 37) | 0.0166667 |
| 0.744 (12/12/2023) | 0.725 (1/10/2022) | (0.744 - 0.725)/(44 - 37) | 0.00271429 |
| 1.72 (1/10/2024) | 0.725 (1/10/2022) | (1.72 - 0.725)/(45 - 37) | 0.124375 |
| 0.51 (5/20/2024) | 0.725 (1/10/2022) | (0.51 - 0.725)/(46 - 37) | -0.0238889 |
| 0.877 (9/16/2024) | 0.725 (1/10/2022) | (0.877 - 0.725)/(47 - 37) | 0.0152 |
| 1.25 (12/11/2024) | 0.725 (1/10/2022) | (1.25 - 0.725)/(48 - 37) | 0.0477273 |
| 0.648 (2/18/2025) | 0.725 (1/10/2022) | (0.648 - 0.725)/(49 - 37) | -0.00641667 |
| | | | |
| 1.65 (8/3/2022) | 0.886 (4/7/2022) | (1.65 - 0.886)/(39 - 38) | 0.764 |
| 0.26 (11/16/2022) | 0.886 (4/7/2022) | (0.26 - 0.886)/(40 - 38) | -0.313 |
| 1 (2/13/2023) | 0.886 (4/7/2022) | (1 - 0.886)/(41 - 38) | 0.038 |
| 0.903 (5/24/2023) | 0.886 (4/7/2022) | (0.903 - 0.886)/(42 - 38) | 0.00425 |
| 0.825 (8/7/2023) | 0.886 (4/7/2022) | (0.825 - 0.886)/(43 - 38) | -0.0122 |
| 0.744 (12/12/2023) | 0.886 (4/7/2022) | (0.744 - 0.886)/(44 - 38) | -0.0236667 |
| 1.72 (1/10/2024) | 0.886 (4/7/2022) | (1.72 - 0.886)/(45 - 38) | 0.119143 |
| 0.51 (5/20/2024) | 0.886 (4/7/2022) | (0.51 - 0.886)/(46 - 38) | -0.047 |
| 0.877 (9/16/2024) | 0.886 (4/7/2022) | (0.877 - 0.886)/(47 - 38) | -0.001 |
| 1.25 (12/11/2024) | 0.886 (4/7/2022) | (1.25 - 0.886)/(48 - 38) | 0.0364 |
| 0.648 (2/18/2025) | 0.886 (4/7/2022) | (0.648 - 0.886)/(49 - 38) | -0.0216364 |
| | | | |
| 0.26 (11/16/2022) | 1.65 (8/3/2022) | (0.26 - 1.65)/(40 - 39) | -1.39 |
| 1 (2/13/2023) | 1.65 (8/3/2022) | (1 - 1.65)/(41 - 39) | -0.325 |
| 0.903 (5/24/2023) | 1.65 (8/3/2022) | (0.903 - 1.65)/(42 - 39) | -0.249 |
| 0.825 (8/7/2023) | 1.65 (8/3/2022) | (0.825 - 1.65)/(43 - 39) | -0.20625 |
| 0.744 (12/12/2023) | 1.65 (8/3/2022) | (0.744 - 1.65)/(44 - 39) | -0.1812 |
| 1.72 (1/10/2024) | 1.65 (8/3/2022) | (1.72 - 1.65)/(45 - 39) | 0.0116667 |
| 0.51 (5/20/2024) | 1.65 (8/3/2022) | (0.51 - 1.65)/(46 - 39) | -0.162857 |
| 0.877 (9/16/2024) | 1.65 (8/3/2022) | (0.877 - 1.65)/(47 - 39) | -0.096625 |
| 1.25 (12/11/2024) | 1.65 (8/3/2022) | (1.25 - 1.65)/(48 - 39) | -0.0444444 |
| 0.648 (2/18/2025) | 1.65 (8/3/2022) | (0.648 - 1.65)/(49 - 39) | -0.1002 |
| | | | |
| 1 (2/13/2023) | 0.26 (11/16/2022) | (1 - 0.26)/(41 - 40) | 0.74 |
| 0.903 (5/24/2023) | 0.26 (11/16/2022) | (0.903 - 0.26)/(42 - 40) | 0.3215 |
| 0.825 (8/7/2023) | 0.26 (11/16/2022) | (0.825 - 0.26)/(43 - 40) | 0.188333 |
| 0.744 (12/12/2023) | 0.26 (11/16/2022) | (0.744 - 0.26)/(44 - 40) | 0.121 |
| 1.72 (1/10/2024) | 0.26 (11/16/2022) | (1.72 - 0.26)/(45 - 40) | 0.292 |
| 0.51 (5/20/2024) | 0.26 (11/16/2022) | (0.51 - 0.26)/(46 - 40) | 0.0416667 |
| 0.877 (9/16/2024) | 0.26 (11/16/2022) | (0.877 - 0.26)/(47 - 40) | 0.0881429 |
| 1.25 (12/11/2024) | 0.26 (11/16/2022) | (1.25 - 0.26)/(48 - 40) | 0.12375 |
| 0.648 (2/18/2025) | 0.26 (11/16/2022) | (0.648 - 0.26)/(49 - 40) | 0.0431111 |
| | | | |
| 0.903 (5/24/2023) | 1 (2/13/2023) | (0.903 - 1)/(42 - 41) | -0.097 |
| 0.825 (8/7/2023) | 1 (2/13/2023) | (0.825 - 1)/(43 - 41) | -0.0875 |
| 0.744 (12/12/2023) | 1 (2/13/2023) | (0.744 - 1)/(44 - 41) | -0.0853333 |
| 1.72 (1/10/2024) | 1 (2/13/2023) | (1.72 - 1)/(45 - 41) | 0.18 |
| 0.51 (5/20/2024) | 1 (2/13/2023) | (0.51 - 1)/(46 - 41) | -0.098 |
| 0.877 (9/16/2024) | 1 (2/13/2023) | (0.877 - 1)/(47 - 41) | -0.0205 |
| 1.25 (12/11/2024) | 1 (2/13/2023) | (1.25 - 1)/(48 - 41) | 0.0357143 |
| 0.648 (2/18/2025) | 1 (2/13/2023) | (0.648 - 1)/(49 - 41) | -0.044 |

| | | | |
|---|---|---|---|
| 0.825 (8/7/2023) | 0.903 (5/24/2023) | (0.825 - 0.903)/(43 - 42) | -0.078 |
| 0.744 (12/12/2023) | 0.903 (5/24/2023) | (0.744 - 0.903)/(44 - 42) | -0.0795 |
| 1.72 (1/10/2024) | 0.903 (5/24/2023) | (1.72 - 0.903)/(45 - 42) | 0.272333 |
| 0.51 (5/20/2024) | 0.903 (5/24/2023) | (0.51 - 0.903)/(46 - 42) | -0.09825 |
| 0.877 (9/16/2024) | 0.903 (5/24/2023) | (0.877 - 0.903)/(47 - 42) | -0.0052 |
| 1.25 (12/11/2024) | 0.903 (5/24/2023) | (1.25 - 0.903)/(48 - 42) | 0.0578333 |
| 0.648 (2/18/2025) | 0.903 (5/24/2023) | (0.648 - 0.903)/(49 - 42) | -0.0364286 |
| | | | |
| 0.744 (12/12/2023) | 0.825 (8/7/2023) | (0.744 - 0.825)/(44 - 43) | -0.081 |
| 1.72 (1/10/2024) | 0.825 (8/7/2023) | (1.72 - 0.825)/(45 - 43) | 0.4475 |
| 0.51 (5/20/2024) | 0.825 (8/7/2023) | (0.51 - 0.825)/(46 - 43) | -0.105 |
| 0.877 (9/16/2024) | 0.825 (8/7/2023) | (0.877 - 0.825)/(47 - 43) | 0.013 |
| 1.25 (12/11/2024) | 0.825 (8/7/2023) | (1.25 - 0.825)/(48 - 43) | 0.085 |
| 0.648 (2/18/2025) | 0.825 (8/7/2023) | (0.648 - 0.825)/(49 - 43) | -0.0295 |
| | | | |
| 1.72 (1/10/2024) | 0.744 (12/12/2023) | (1.72 - 0.744)/(45 - 44) | 0.976 |
| 0.51 (5/20/2024) | 0.744 (12/12/2023) | (0.51 - 0.744)/(46 - 44) | -0.117 |
| 0.877 (9/16/2024) | 0.744 (12/12/2023) | (0.877 - 0.744)/(47 - 44) | 0.0443333 |
| 1.25 (12/11/2024) | 0.744 (12/12/2023) | (1.25 - 0.744)/(48 - 44) | 0.1265 |
| 0.648 (2/18/2025) | 0.744 (12/12/2023) | (0.648 - 0.744)/(49 - 44) | -0.0192 |
| | | | |
| 0.51 (5/20/2024) | 1.72 (1/10/2024) | (0.51 - 1.72)/(46 - 45) | -1.21 |
| 0.877 (9/16/2024) | 1.72 (1/10/2024) | (0.877 - 1.72)/(47 - 45) | -0.4215 |
| 1.25 (12/11/2024) | 1.72 (1/10/2024) | (1.25 - 1.72)/(48 - 45) | -0.156667 |
| 0.648 (2/18/2025) | 1.72 (1/10/2024) | (0.648 - 1.72)/(49 - 45) | -0.268 |
| | | | |
| 0.877 (9/16/2024) | 0.51 (5/20/2024) | (0.877 - 0.51)/(47 - 46) | 0.367 |
| 1.25 (12/11/2024) | 0.51 (5/20/2024) | (1.25 - 0.51)/(48 - 46) | 0.37 |
| 0.648 (2/18/2025) | 0.51 (5/20/2024) | (0.648 - 0.51)/(49 - 46) | 0.046 |
| | | | |
| 1.25 (12/11/2024) | 0.877 (9/16/2024) | (1.25 - 0.877)/(48 - 47) | 0.373 |
| 0.648 (2/18/2025) | 0.877 (9/16/2024) | (0.648 - 0.877)/(49 - 47) | -0.1145 |
| | | | |
| 0.648 (2/18/2025) | 1.25 (12/11/2024) | (0.648 - 1.25)/(49 - 48) | -0.602 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -1.39 |
| 2 | -1.21 |
| 3 | -1 |
| 4 | -0.72 |
| 5 | -0.602 |
| 6 | -0.54 |
| 7 | -0.525 |
| 8 | -0.436 |
| 9 | -0.431 |
| 10 | -0.4215 |
| 11 | -0.35 |
| 12 | -0.339 |
| 13 | -0.325 |
| 14 | -0.313 |
| 15 | -0.3025 |
| 16 | -0.28 |

| | |
|---|---|
| 17 | -0.28 |
| 18 | -0.278 |
| 19 | -0.268 |
| 20 | -0.249 |
| 21 | -0.242 |
| 22 | -0.23 |
| 23 | -0.23 |
| 24 | -0.228333 |
| 25 | -0.226 |
| 26 | -0.22 |
| 27 | -0.214 |
| 28 | -0.21 |
| 29 | -0.20625 |
| 30 | -0.2 |
| 31 | -0.198667 |
| 32 | -0.191667 |
| 33 | -0.19 |
| 34 | -0.1812 |
| 35 | -0.1715 |
| 36 | -0.17 |
| 37 | -0.165333 |
| 38 | -0.163 |
| 39 | -0.162857 |
| 40 | -0.156667 |
| 41 | -0.155 |
| 42 | -0.15 |
| 43 | -0.148 |
| 44 | -0.1476 |
| 45 | -0.14 |
| 46 | -0.1358 |
| 47 | -0.135 |
| 48 | -0.131 |
| 49 | -0.13 |
| 50 | -0.125 |
| 51 | -0.124667 |
| 52 | -0.1235 |
| 53 | -0.121 |
| 54 | -0.117 |
| 55 | -0.11625 |
| 56 | -0.115 |
| 57 | -0.1145 |
| 58 | -0.11 |
| 59 | -0.10925 |
| 60 | -0.106667 |
| 61 | -0.105 |
| 62 | -0.1002 |
| 63 | -0.1 |
| 64 | -0.0982857 |
| 65 | -0.09825 |
| 66 | -0.098 |
| 67 | -0.097 |
| 68 | -0.096625 |
| 69 | -0.0951429 |
| 70 | -0.095 |
| 71 | -0.095 |
| 72 | -0.0933333 |
| 73 | -0.0933333 |

| | |
|---|---|
| 74 | -0.0882 |
| 75 | -0.088 |
| 76 | -0.0875 |
| 77 | -0.0854286 |
| 78 | -0.0853333 |
| 79 | -0.085 |
| 80 | -0.0836667 |
| 81 | -0.0831111 |
| 82 | -0.0831111 |
| 83 | -0.0828333 |
| 84 | -0.081 |
| 85 | -0.08 |
| 86 | -0.08 |
| 87 | -0.08 |
| 88 | -0.08 |
| 89 | -0.08 |
| 90 | -0.0795 |
| 91 | -0.078 |
| 92 | -0.07675 |
| 93 | -0.0766667 |
| 94 | -0.075 |
| 95 | -0.075 |
| 96 | -0.0745455 |
| 97 | -0.07 |
| 98 | -0.0675 |
| 99 | -0.0666 |
| 100 | -0.0653846 |
| 101 | -0.0651111 |
| 102 | -0.065 |
| 103 | -0.063375 |
| 104 | -0.06325 |
| 105 | -0.063125 |
| 106 | -0.0623333 |
| 107 | -0.061 |
| 108 | -0.0607273 |
| 109 | -0.06 |
| 110 | -0.06 |
| 111 | -0.0599 |
| 112 | -0.059 |
| 113 | -0.0585714 |
| 114 | -0.0578571 |
| 115 | -0.0566667 |
| 116 | -0.0566 |
| 117 | -0.056 |
| 118 | -0.055 |
| 119 | -0.0542857 |
| 120 | -0.0541176 |
| 121 | -0.0533333 |
| 122 | -0.052 |
| 123 | -0.051125 |
| 124 | -0.0508 |
| 125 | -0.05025 |
| 126 | -0.05 |
| 127 | -0.05 |
| 128 | -0.0487143 |
| 129 | -0.0477857 |
| 130 | -0.0477143 |

| | |
|---|---|
| 131 | -0.047 |
| 132 | -0.0466667 |
| 133 | -0.0466667 |
| 134 | -0.04625 |
| 135 | -0.0445 |
| 136 | -0.0444444 |
| 137 | -0.0441667 |
| 138 | -0.044 |
| 139 | -0.044 |
| 140 | -0.0438462 |
| 141 | -0.0431667 |
| 142 | -0.0427273 |
| 143 | -0.042 |
| 144 | -0.041 |
| 145 | -0.041 |
| 146 | -0.0406667 |
| 147 | -0.04 |
| 148 | -0.04 |
| 149 | -0.04 |
| 150 | -0.04 |
| 151 | -0.04 |
| 152 | -0.04 |
| 153 | -0.0399167 |
| 154 | -0.0385714 |
| 155 | -0.0383333 |
| 156 | -0.0381818 |
| 157 | -0.0378947 |
| 158 | -0.03775 |
| 159 | -0.0371429 |
| 160 | -0.0366667 |
| 161 | -0.0366667 |
| 162 | -0.0364286 |
| 163 | -0.036 |
| 164 | -0.0357143 |
| 165 | -0.035 |
| 166 | -0.0347368 |
| 167 | -0.0327778 |
| 168 | -0.0325 |
| 169 | -0.032 |
| 170 | -0.0318182 |
| 171 | -0.0316667 |
| 172 | -0.031 |
| 173 | -0.031 |
| 174 | -0.031 |
| 175 | -0.03 |
| 176 | -0.03 |
| 177 | -0.03 |
| 178 | -0.03 |
| 179 | -0.0295 |
| 180 | -0.0291304 |
| 181 | -0.0290769 |
| 182 | -0.0289091 |
| 183 | -0.0282353 |
| 184 | -0.0281818 |
| 185 | -0.028 |
| 186 | -0.027875 |
| 187 | -0.0277143 |

| | |
|---|---|
| 188 | -0.0275 |
| 189 | -0.0274286 |
| 190 | -0.0273333 |
| 191 | -0.0272222 |
| 192 | -0.0271667 |
| 193 | -0.0270833 |
| 194 | -0.027 |
| 195 | -0.027 |
| 196 | -0.0269 |
| 197 | -0.0267273 |
| 198 | -0.0266667 |
| 199 | -0.0266154 |
| 200 | -0.0265556 |
| 201 | -0.0265 |
| 202 | -0.0264 |
| 203 | -0.02625 |
| 204 | -0.0261905 |
| 205 | -0.026 |
| 206 | -0.026 |
| 207 | -0.0258182 |
| 208 | -0.0255 |
| 209 | -0.0254545 |
| 210 | -0.0254 |
| 211 | -0.025375 |
| 212 | -0.0253571 |
| 213 | -0.0250588 |
| 214 | -0.025 |
| 215 | -0.025 |
| 216 | -0.0247368 |
| 217 | -0.0247059 |
| 218 | -0.0246875 |
| 219 | -0.0245882 |
| 220 | -0.0242857 |
| 221 | -0.0242667 |
| 222 | -0.0238889 |
| 223 | -0.02375 |
| 224 | -0.0237273 |
| 225 | -0.0236667 |
| 226 | -0.0232 |
| 227 | -0.0228571 |
| 228 | -0.0222222 |
| 229 | -0.0221053 |
| 230 | -0.022 |
| 231 | -0.0216667 |
| 232 | -0.0216364 |
| 233 | -0.0215625 |
| 234 | -0.0215 |
| 235 | -0.0214286 |
| 236 | -0.0213043 |
| 237 | -0.0212 |
| 238 | -0.0210714 |
| 239 | -0.02095 |
| 240 | -0.0209091 |
| 241 | -0.0207619 |
| 242 | -0.0205 |
| 243 | -0.0204615 |
| 244 | -0.0203333 |

| | |
|---|---|
| 245 | -0.02 |
| 246 | -0.0198462 |
| 247 | -0.0196 |
| 248 | -0.0192857 |
| 249 | -0.0192308 |
| 250 | -0.0192 |
| 251 | -0.0190476 |
| 252 | -0.0188 |
| 253 | -0.0185455 |
| 254 | -0.0183333 |
| 255 | -0.0182 |
| 256 | -0.018 |
| 257 | -0.0178 |
| 258 | -0.01775 |
| 259 | -0.0176667 |
| 260 | -0.0175294 |
| 261 | -0.0175 |
| 262 | -0.017375 |
| 263 | -0.01725 |
| 264 | -0.017 |
| 265 | -0.016875 |
| 266 | -0.0165455 |
| 267 | -0.0164706 |
| 268 | -0.0162069 |
| 269 | -0.0158667 |
| 270 | -0.0158333 |
| 271 | -0.01575 |
| 272 | -0.0156757 |
| 273 | -0.0155556 |
| 274 | -0.0154545 |
| 275 | -0.01465 |
| 276 | -0.0145789 |
| 277 | -0.0145161 |
| 278 | -0.0144375 |
| 279 | -0.0141176 |
| 280 | -0.0140741 |
| 281 | -0.014069 |
| 282 | -0.014 |
| 283 | -0.014 |
| 284 | -0.014 |
| 285 | -0.014 |
| 286 | -0.0136667 |
| 287 | -0.0135714 |
| 288 | -0.0135714 |
| 289 | -0.0135294 |
| 290 | -0.0135 |
| 291 | -0.0133333 |
| 292 | -0.0133333 |
| 293 | -0.0133333 |
| 294 | -0.0130769 |
| 295 | -0.012963 |
| 296 | -0.0128889 |
| 297 | -0.0128571 |
| 298 | -0.0127222 |
| 299 | -0.012625 |
| 300 | -0.0122667 |
| 301 | -0.0122222 |

| | |
|---|---|
| 302 | -0.0122174 |
| 303 | -0.0122 |
| 304 | -0.0121429 |
| 305 | -0.0121053 |
| 306 | -0.012087 |
| 307 | -0.011875 |
| 308 | -0.0115455 |
| 309 | -0.0115385 |
| 310 | -0.0114706 |
| 311 | -0.0114286 |
| 312 | -0.0113889 |
| 313 | -0.0112258 |
| 314 | -0.0111111 |
| 315 | -0.0110714 |
| 316 | -0.0108182 |
| 317 | -0.0108 |
| 318 | -0.0108 |
| 319 | -0.010625 |
| 320 | -0.0106 |
| 321 | -0.0103846 |
| 322 | -0.010381 |
| 323 | -0.0102778 |
| 324 | -0.0101 |
| 325 | -0.01 |
| 326 | -0.01 |
| 327 | -0.01 |
| 328 | -0.01 |
| 329 | -0.00993103 |
| 330 | -0.00981818 |
| 331 | -0.0098 |
| 332 | -0.0096 |
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| | |
|---|---|
| 1043 | 0.0586 |
| 1044 | 0.0588235 |
| 1045 | 0.0593636 |
| 1046 | 0.060125 |
| 1047 | 0.06125 |
| 1048 | 0.0613636 |
| 1049 | 0.0626667 |
| 1050 | 0.0631111 |
| 1051 | 0.0633333 |
| 1052 | 0.0654545 |
| 1053 | 0.0657143 |
| 1054 | 0.0661667 |
| 1055 | 0.0663333 |
| 1056 | 0.0666667 |
| 1057 | 0.067 |
| 1058 | 0.0675 |
| 1059 | 0.06875 |
| 1060 | 0.0698571 |
| 1061 | 0.07 |
| 1062 | 0.0706 |
| 1063 | 0.0707143 |
| 1064 | 0.0716667 |
| 1065 | 0.072 |
| 1066 | 0.0722 |
| 1067 | 0.0722222 |
| 1068 | 0.0725 |
| 1069 | 0.0732857 |
| 1070 | 0.0733333 |
| 1071 | 0.075 |
| 1072 | 0.075 |
| 1073 | 0.0755 |
| 1074 | 0.0756667 |
| 1075 | 0.0757143 |
| 1076 | 0.076 |
| 1077 | 0.0766667 |
| 1078 | 0.0766667 |
| 1079 | 0.0771429 |
| 1080 | 0.0777778 |
| 1081 | 0.0791667 |
| 1082 | 0.08 |
| 1083 | 0.08 |
| 1084 | 0.0814286 |
| 1085 | 0.0818667 |
| 1086 | 0.0828182 |
| 1087 | 0.0831111 |
| 1088 | 0.0844286 |
| 1089 | 0.08475 |
| 1090 | 0.085 |
| 1091 | 0.0866667 |
| 1092 | 0.0873333 |
| 1093 | 0.0881429 |
| 1094 | 0.0892308 |
| 1095 | 0.0908571 |
| 1096 | 0.0913333 |
| 1097 | 0.0925 |
| 1098 | 0.093 |
| 1099 | 0.0933333 |

| | |
|---|---|
| 1100 | 0.0935 |
| 1101 | 0.0955 |
| 1102 | 0.0964 |
| 1103 | 0.0990769 |
| 1104 | 0.104286 |
| 1105 | 0.105 |
| 1106 | 0.106 |
| 1107 | 0.111833 |
| 1108 | 0.114 |
| 1109 | 0.119143 |
| 1110 | 0.12 |
| 1111 | 0.12 |
| 1112 | 0.120667 |
| 1113 | 0.121 |
| 1114 | 0.12375 |
| 1115 | 0.124375 |
| 1116 | 0.125 |
| 1117 | 0.1265 |
| 1118 | 0.128667 |
| 1119 | 0.134 |
| 1120 | 0.135 |
| 1121 | 0.135 |
| 1122 | 0.135 |
| 1123 | 0.1358 |
| 1124 | 0.137 |
| 1125 | 0.1425 |
| 1126 | 0.144667 |
| 1127 | 0.15 |
| 1128 | 0.153333 |
| 1129 | 0.154444 |
| 1130 | 0.161 |
| 1131 | 0.1676 |
| 1132 | 0.171667 |
| 1133 | 0.174 |
| 1134 | 0.175 |
| 1135 | 0.18 |
| 1136 | 0.182 |
| 1137 | 0.182 |
| 1138 | 0.185 |
| 1139 | 0.188333 |
| 1140 | 0.189 |
| 1141 | 0.193333 |
| 1142 | 0.199 |
| 1143 | 0.2 |
| 1144 | 0.202 |
| 1145 | 0.2295 |
| 1146 | 0.24 |
| 1147 | 0.241 |
| 1148 | 0.27 |
| 1149 | 0.272333 |
| 1150 | 0.273 |
| 1151 | 0.278 |
| 1152 | 0.28 |
| 1153 | 0.292 |
| 1154 | 0.299333 |
| 1155 | 0.3 |
| 1156 | 0.305 |

| | |
|---|---|
| 1157 | 0.31 |
| 1158 | 0.3215 |
| 1159 | 0.338 |
| 1160 | 0.367 |
| 1161 | 0.37 |
| 1162 | 0.373 |
| 1163 | 0.386667 |
| 1164 | 0.395 |
| 1165 | 0.44 |
| 1166 | 0.4475 |
| 1167 | 0.45 |
| 1168 | 0.4625 |
| 1169 | 0.465 |
| 1170 | 0.484 |
| 1171 | 0.489 |
| 1172 | 0.494 |
| 1173 | 0.74 |
| 1174 | 0.748 |
| 1175 | 0.764 |
| 1176 | 0.976 |

Sen's Estimator (Median Q) is 0.00662903

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.67 | 2 |
| 2 | 0.44 | 2 |
| 3 | 0.52 | 2 |
| 4 | 0.25 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |

| | |
|---|---|
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 120
B = 0
C = 6
D = 0
E = 12
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13452
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.775
M1 = (1176 - 190.775)/2.0 = 492.613
M2 = (1176 + 190.775)/2.0 + 1 = 684.387
Lower limit is 0.00125 = Q(493)
Upper limit is 0.0123077 = Q(684)
**0.00125 > 0 indicating an upward trend in data.**

## Sen's Slope Analysis
### Parameter: TKN
### Location: SS 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.53 (5/8/2013) | 0.77 (3/12/2013) | (0.53 - 0.77)/(2 - 1) | -0.24 |
| 0.45 (9/23/2013) | 0.77 (3/12/2013) | (0.45 - 0.77)/(3 - 1) | -0.16 |
| 0.66 (12/10/2013) | 0.77 (3/12/2013) | (0.66 - 0.77)/(4 - 1) | -0.0366667 |
| 0.5 (2/6/2014) | 0.77 (3/12/2013) | (0.5 - 0.77)/(5 - 1) | -0.0675 |
| 0.89 (6/26/2014) | 0.77 (3/12/2013) | (0.89 - 0.77)/(6 - 1) | 0.024 |
| 0.52 (9/30/2014) | 0.77 (3/12/2013) | (0.52 - 0.77)/(7 - 1) | -0.0416667 |
| 0.46 (11/19/2014) | 0.77 (3/12/2013) | (0.46 - 0.77)/(8 - 1) | -0.0442857 |
| 1.1 (3/23/2015) | 0.77 (3/12/2013) | (1.1 - 0.77)/(9 - 1) | 0.04125 |
| 0.58 (4/22/2015) | 0.77 (3/12/2013) | (0.58 - 0.77)/(10 - 1) | -0.0211111 |
| 0.51 (9/30/2015) | 0.77 (3/12/2013) | (0.51 - 0.77)/(11 - 1) | -0.026 |
| 1 (11/19/2015) | 0.77 (3/12/2013) | (1 - 0.77)/(12 - 1) | 0.0209091 |
| 0.83 (3/15/2016) | 0.77 (3/12/2013) | (0.83 - 0.77)/(13 - 1) | 0.005 |
| 0.65 (6/29/2016) | 0.77 (3/12/2013) | (0.65 - 0.77)/(14 - 1) | -0.00923077 |
| 0.87 (8/9/2016) | 0.77 (3/12/2013) | (0.87 - 0.77)/(15 - 1) | 0.00714286 |
| 0.71 (12/7/2016) | 0.77 (3/12/2013) | (0.71 - 0.77)/(16 - 1) | -0.004 |
| 0.84 (3/2/2017) | 0.77 (3/12/2013) | (0.84 - 0.77)/(17 - 1) | 0.004375 |
| 0.73 (6/21/2017) | 0.77 (3/12/2013) | (0.73 - 0.77)/(18 - 1) | -0.00235294 |
| 0.83 (8/17/2017) | 0.77 (3/12/2013) | (0.83 - 0.77)/(19 - 1) | 0.00333333 |
| 0.58 (10/26/2017) | 0.77 (3/12/2013) | (0.58 - 0.77)/(20 - 1) | -0.01 |
| ND<0.25 U (3/27/2018) | 0.77 (3/12/2013) | (0.25 - 0.77)/(21 - 1) | -0.026 |
| 1.01 (6/26/2018) | 0.77 (3/12/2013) | (1.01 - 0.77)/(22 - 1) | 0.0114286 |
| 0.89 (8/1/2018) | 0.77 (3/12/2013) | (0.89 - 0.77)/(23 - 1) | 0.00545455 |
| 0.635 (12/11/2018) | 0.77 (3/12/2013) | (0.635 - 0.77)/(24 - 1) | -0.00586957 |
| 0.414 (4/17/2019) | 0.77 (3/12/2013) | (0.414 - 0.77)/(25 - 1) | -0.0148333 |
| 0.928 (6/11/2019) | 0.77 (3/12/2013) | (0.928 - 0.77)/(26 - 1) | 0.00632 |
| 1.05 (8/28/2019) | 0.77 (3/12/2013) | (1.05 - 0.77)/(27 - 1) | 0.0107692 |
| 0.381 (10/28/2019) | 0.77 (3/12/2013) | (0.381 - 0.77)/(28 - 1) | -0.0144074 |
| 0.934 (3/31/2020) | 0.77 (3/12/2013) | (0.934 - 0.77)/(29 - 1) | 0.00585714 |
| 0.897 (6/10/2020) | 0.77 (3/12/2013) | (0.897 - 0.77)/(30 - 1) | 0.00437931 |
| 0.281 (9/21/2020) | 0.77 (3/12/2013) | (0.281 - 0.77)/(31 - 1) | -0.0163 |
| 0.54 (12/17/2020) | 0.77 (3/12/2013) | (0.54 - 0.77)/(32 - 1) | -0.00741935 |
| 0.67 (3/18/2021) | 0.77 (3/12/2013) | (0.67 - 0.77)/(33 - 1) | -0.003125 |
| 1.06 (5/5/2021) | 0.77 (3/12/2013) | (1.06 - 0.77)/(34 - 1) | 0.00878788 |
| 0.935 (9/2/2021) | 0.77 (3/12/2013) | (0.935 - 0.77)/(35 - 1) | 0.00485294 |
| 0.37 (11/23/2021) | 0.77 (3/12/2013) | (0.37 - 0.77)/(36 - 1) | -0.0114286 |
| 0.674 (1/10/2022) | 0.77 (3/12/2013) | (0.674 - 0.77)/(37 - 1) | -0.00266667 |
| 0.566 (4/7/2022) | 0.77 (3/12/2013) | (0.566 - 0.77)/(38 - 1) | -0.00551351 |
| 0.723 (8/3/2022) | 0.77 (3/12/2013) | (0.723 - 0.77)/(39 - 1) | -0.00123684 |
| 0.406 (11/16/2022) | 0.77 (3/12/2013) | (0.406 - 0.77)/(40 - 1) | -0.00933333 |
| 0.749 (2/13/2023) | 0.77 (3/12/2013) | (0.749 - 0.77)/(41 - 1) | -0.000525 |
| 0.506 (5/24/2023) | 0.77 (3/12/2013) | (0.506 - 0.77)/(42 - 1) | -0.00643902 |
| 0.903 (8/7/2023) | 0.77 (3/12/2013) | (0.903 - 0.77)/(43 - 1) | 0.00316667 |
| 0.573 (12/12/2023) | 0.77 (3/12/2013) | (0.573 - 0.77)/(44 - 1) | -0.0045814 |
| 1.08 (1/10/2024) | 0.77 (3/12/2013) | (1.08 - 0.77)/(45 - 1) | 0.00704545 |
| 0.49 (5/20/2024) | 0.77 (3/12/2013) | (0.49 - 0.77)/(46 - 1) | -0.00622222 |
| 1.33 (9/16/2024) | 0.77 (3/12/2013) | (1.33 - 0.77)/(47 - 1) | 0.0121739 |
| 0.7 (12/11/2024) | 0.77 (3/12/2013) | (0.7 - 0.77)/(48 - 1) | -0.00148936 |
| 0.551 (2/18/2025) | 0.77 (3/12/2013) | (0.551 - 0.77)/(49 - 1) | -0.0045625 |

| | | | |
|---|---|---|---|
| 0.45 (9/23/2013) | 0.53 (5/8/2013) | (0.45 - 0.53)/(3 - 2) | -0.08 |
| 0.66 (12/10/2013) | 0.53 (5/8/2013) | (0.66 - 0.53)/(4 - 2) | 0.065 |
| 0.5 (2/6/2014) | 0.53 (5/8/2013) | (0.5 - 0.53)/(5 - 2) | -0.01 |
| 0.89 (6/26/2014) | 0.53 (5/8/2013) | (0.89 - 0.53)/(6 - 2) | 0.09 |
| 0.52 (9/30/2014) | 0.53 (5/8/2013) | (0.52 - 0.53)/(7 - 2) | -0.002 |
| 0.46 (11/19/2014) | 0.53 (5/8/2013) | (0.46 - 0.53)/(8 - 2) | -0.0116667 |
| 1.1 (3/23/2015) | 0.53 (5/8/2013) | (1.1 - 0.53)/(9 - 2) | 0.0814286 |
| 0.58 (4/22/2015) | 0.53 (5/8/2013) | (0.58 - 0.53)/(10 - 2) | 0.00625 |
| 0.51 (9/30/2015) | 0.53 (5/8/2013) | (0.51 - 0.53)/(11 - 2) | -0.00222222 |
| 1 (11/19/2015) | 0.53 (5/8/2013) | (1 - 0.53)/(12 - 2) | 0.047 |
| 0.83 (3/15/2016) | 0.53 (5/8/2013) | (0.83 - 0.53)/(13 - 2) | 0.0272727 |
| 0.65 (6/29/2016) | 0.53 (5/8/2013) | (0.65 - 0.53)/(14 - 2) | 0.01 |
| 0.87 (8/9/2016) | 0.53 (5/8/2013) | (0.87 - 0.53)/(15 - 2) | 0.0261538 |
| 0.71 (12/7/2016) | 0.53 (5/8/2013) | (0.71 - 0.53)/(16 - 2) | 0.0128571 |
| 0.84 (3/2/2017) | 0.53 (5/8/2013) | (0.84 - 0.53)/(17 - 2) | 0.0206667 |
| 0.73 (6/21/2017) | 0.53 (5/8/2013) | (0.73 - 0.53)/(18 - 2) | 0.0125 |
| 0.83 (8/17/2017) | 0.53 (5/8/2013) | (0.83 - 0.53)/(19 - 2) | 0.0176471 |
| 0.58 (10/26/2017) | 0.53 (5/8/2013) | (0.58 - 0.53)/(20 - 2) | 0.00277778 |
| ND<0.25 U (3/27/2018) | 0.53 (5/8/2013) | (0.25 - 0.53)/(21 - 2) | -0.0147368 |
| 1.01 (6/26/2018) | 0.53 (5/8/2013) | (1.01 - 0.53)/(22 - 2) | 0.024 |
| 0.89 (8/1/2018) | 0.53 (5/8/2013) | (0.89 - 0.53)/(23 - 2) | 0.0171429 |
| 0.635 (12/11/2018) | 0.53 (5/8/2013) | (0.635 - 0.53)/(24 - 2) | 0.00477273 |
| 0.414 (4/17/2019) | 0.53 (5/8/2013) | (0.414 - 0.53)/(25 - 2) | -0.00504348 |
| 0.928 (6/11/2019) | 0.53 (5/8/2013) | (0.928 - 0.53)/(26 - 2) | 0.0165833 |
| 1.05 (8/28/2019) | 0.53 (5/8/2013) | (1.05 - 0.53)/(27 - 2) | 0.0208 |
| 0.381 (10/28/2019) | 0.53 (5/8/2013) | (0.381 - 0.53)/(28 - 2) | -0.00573077 |
| 0.934 (3/31/2020) | 0.53 (5/8/2013) | (0.934 - 0.53)/(29 - 2) | 0.014963 |
| 0.897 (6/10/2020) | 0.53 (5/8/2013) | (0.897 - 0.53)/(30 - 2) | 0.0131071 |
| 0.281 (9/21/2020) | 0.53 (5/8/2013) | (0.281 - 0.53)/(31 - 2) | -0.00858621 |
| 0.54 (12/17/2020) | 0.53 (5/8/2013) | (0.54 - 0.53)/(32 - 2) | 0.000333333 |
| 0.67 (3/18/2021) | 0.53 (5/8/2013) | (0.67 - 0.53)/(33 - 2) | 0.00451613 |
| 1.06 (5/5/2021) | 0.53 (5/8/2013) | (1.06 - 0.53)/(34 - 2) | 0.0165625 |
| 0.935 (9/2/2021) | 0.53 (5/8/2013) | (0.935 - 0.53)/(35 - 2) | 0.0122727 |
| 0.37 (11/23/2021) | 0.53 (5/8/2013) | (0.37 - 0.53)/(36 - 2) | -0.00470588 |
| 0.674 (1/10/2022) | 0.53 (5/8/2013) | (0.674 - 0.53)/(37 - 2) | 0.00411429 |
| 0.566 (4/7/2022) | 0.53 (5/8/2013) | (0.566 - 0.53)/(38 - 2) | 0.001 |
| 0.723 (8/3/2022) | 0.53 (5/8/2013) | (0.723 - 0.53)/(39 - 2) | 0.00521622 |
| 0.406 (11/16/2022) | 0.53 (5/8/2013) | (0.406 - 0.53)/(40 - 2) | -0.00326316 |
| 0.749 (2/13/2023) | 0.53 (5/8/2013) | (0.749 - 0.53)/(41 - 2) | 0.00561538 |
| 0.506 (5/24/2023) | 0.53 (5/8/2013) | (0.506 - 0.53)/(42 - 2) | -0.0006 |
| 0.903 (8/7/2023) | 0.53 (5/8/2013) | (0.903 - 0.53)/(43 - 2) | 0.00909756 |
| 0.573 (12/12/2023) | 0.53 (5/8/2013) | (0.573 - 0.53)/(44 - 2) | 0.00102381 |
| 1.08 (1/10/2024) | 0.53 (5/8/2013) | (1.08 - 0.53)/(45 - 2) | 0.0127907 |
| 0.49 (5/20/2024) | 0.53 (5/8/2013) | (0.49 - 0.53)/(46 - 2) | -0.000909091 |
| 1.33 (9/16/2024) | 0.53 (5/8/2013) | (1.33 - 0.53)/(47 - 2) | 0.0177778 |
| 0.7 (12/11/2024) | 0.53 (5/8/2013) | (0.7 - 0.53)/(48 - 2) | 0.00369565 |
| 0.551 (2/18/2025) | 0.53 (5/8/2013) | (0.551 - 0.53)/(49 - 2) | 0.000446809 |
| | | | |
| 0.66 (12/10/2013) | 0.45 (9/23/2013) | (0.66 - 0.45)/(4 - 3) | 0.21 |
| 0.5 (2/6/2014) | 0.45 (9/23/2013) | (0.5 - 0.45)/(5 - 3) | 0.025 |
| 0.89 (6/26/2014) | 0.45 (9/23/2013) | (0.89 - 0.45)/(6 - 3) | 0.146667 |
| 0.52 (9/30/2014) | 0.45 (9/23/2013) | (0.52 - 0.45)/(7 - 3) | 0.0175 |
| 0.46 (11/19/2014) | 0.45 (9/23/2013) | (0.46 - 0.45)/(8 - 3) | 0.002 |
| 1.1 (3/23/2015) | 0.45 (9/23/2013) | (1.1 - 0.45)/(9 - 3) | 0.108333 |
| 0.58 (4/22/2015) | 0.45 (9/23/2013) | (0.58 - 0.45)/(10 - 3) | 0.0185714 |
| 0.51 (9/30/2015) | 0.45 (9/23/2013) | (0.51 - 0.45)/(11 - 3) | 0.0075 |

| | | | |
|---|---|---|---|
| 1 (11/19/2015) | 0.45 (9/23/2013) | (1 - 0.45)/(12 - 3) | 0.0611111 |
| 0.83 (3/15/2016) | 0.45 (9/23/2013) | (0.83 - 0.45)/(13 - 3) | 0.038 |
| 0.65 (6/29/2016) | 0.45 (9/23/2013) | (0.65 - 0.45)/(14 - 3) | 0.0181818 |
| 0.87 (8/9/2016) | 0.45 (9/23/2013) | (0.87 - 0.45)/(15 - 3) | 0.035 |
| 0.71 (12/7/2016) | 0.45 (9/23/2013) | (0.71 - 0.45)/(16 - 3) | 0.02 |
| 0.84 (3/2/2017) | 0.45 (9/23/2013) | (0.84 - 0.45)/(17 - 3) | 0.0278571 |
| 0.73 (6/21/2017) | 0.45 (9/23/2013) | (0.73 - 0.45)/(18 - 3) | 0.0186667 |
| 0.83 (8/17/2017) | 0.45 (9/23/2013) | (0.83 - 0.45)/(19 - 3) | 0.02375 |
| 0.58 (10/26/2017) | 0.45 (9/23/2013) | (0.58 - 0.45)/(20 - 3) | 0.00764706 |
| ND<0.25 U (3/27/2018) | 0.45 (9/23/2013) | (0.25 - 0.45)/(21 - 3) | -0.0111111 |
| 1.01 (6/26/2018) | 0.45 (9/23/2013) | (1.01 - 0.45)/(22 - 3) | 0.0294737 |
| 0.89 (8/1/2018) | 0.45 (9/23/2013) | (0.89 - 0.45)/(23 - 3) | 0.022 |
| 0.635 (12/11/2018) | 0.45 (9/23/2013) | (0.635 - 0.45)/(24 - 3) | 0.00880952 |
| 0.414 (4/17/2019) | 0.45 (9/23/2013) | (0.414 - 0.45)/(25 - 3) | -0.00163636 |
| 0.928 (6/11/2019) | 0.45 (9/23/2013) | (0.928 - 0.45)/(26 - 3) | 0.0207826 |
| 1.05 (8/28/2019) | 0.45 (9/23/2013) | (1.05 - 0.45)/(27 - 3) | 0.025 |
| 0.381 (10/28/2019) | 0.45 (9/23/2013) | (0.381 - 0.45)/(28 - 3) | -0.00276 |
| 0.934 (3/31/2020) | 0.45 (9/23/2013) | (0.934 - 0.45)/(29 - 3) | 0.0186154 |
| 0.897 (6/10/2020) | 0.45 (9/23/2013) | (0.897 - 0.45)/(30 - 3) | 0.0165556 |
| 0.281 (9/21/2020) | 0.45 (9/23/2013) | (0.281 - 0.45)/(31 - 3) | -0.00603571 |
| 0.54 (12/17/2020) | 0.45 (9/23/2013) | (0.54 - 0.45)/(32 - 3) | 0.00310345 |
| 0.67 (3/18/2021) | 0.45 (9/23/2013) | (0.67 - 0.45)/(33 - 3) | 0.00733333 |
| 1.06 (5/5/2021) | 0.45 (9/23/2013) | (1.06 - 0.45)/(34 - 3) | 0.0196774 |
| 0.935 (9/2/2021) | 0.45 (9/23/2013) | (0.935 - 0.45)/(35 - 3) | 0.0151563 |
| 0.37 (11/23/2021) | 0.45 (9/23/2013) | (0.37 - 0.45)/(36 - 3) | -0.00242424 |
| 0.674 (1/10/2022) | 0.45 (9/23/2013) | (0.674 - 0.45)/(37 - 3) | 0.00658824 |
| 0.566 (4/7/2022) | 0.45 (9/23/2013) | (0.566 - 0.45)/(38 - 3) | 0.00331429 |
| 0.723 (8/3/2022) | 0.45 (9/23/2013) | (0.723 - 0.45)/(39 - 3) | 0.00758333 |
| 0.406 (11/16/2022) | 0.45 (9/23/2013) | (0.406 - 0.45)/(40 - 3) | -0.00118919 |
| 0.749 (2/13/2023) | 0.45 (9/23/2013) | (0.749 - 0.45)/(41 - 3) | 0.00786842 |
| 0.506 (5/24/2023) | 0.45 (9/23/2013) | (0.506 - 0.45)/(42 - 3) | 0.0014359 |
| 0.903 (8/7/2023) | 0.45 (9/23/2013) | (0.903 - 0.45)/(43 - 3) | 0.011325 |
| 0.573 (12/12/2023) | 0.45 (9/23/2013) | (0.573 - 0.45)/(44 - 3) | 0.003 |
| 1.08 (1/10/2024) | 0.45 (9/23/2013) | (1.08 - 0.45)/(45 - 3) | 0.015 |
| 0.49 (5/20/2024) | 0.45 (9/23/2013) | (0.49 - 0.45)/(46 - 3) | 0.000930233 |
| 1.33 (9/16/2024) | 0.45 (9/23/2013) | (1.33 - 0.45)/(47 - 3) | 0.02 |
| 0.7 (12/11/2024) | 0.45 (9/23/2013) | (0.7 - 0.45)/(48 - 3) | 0.00555556 |
| 0.551 (2/18/2025) | 0.45 (9/23/2013) | (0.551 - 0.45)/(49 - 3) | 0.00219565 |
| | | | |
| 0.5 (2/6/2014) | 0.66 (12/10/2013) | (0.5 - 0.66)/(5 - 4) | -0.16 |
| 0.89 (6/26/2014) | 0.66 (12/10/2013) | (0.89 - 0.66)/(6 - 4) | 0.115 |
| 0.52 (9/30/2014) | 0.66 (12/10/2013) | (0.52 - 0.66)/(7 - 4) | -0.0466667 |
| 0.46 (11/19/2014) | 0.66 (12/10/2013) | (0.46 - 0.66)/(8 - 4) | -0.05 |
| 1.1 (3/23/2015) | 0.66 (12/10/2013) | (1.1 - 0.66)/(9 - 4) | 0.088 |
| 0.58 (4/22/2015) | 0.66 (12/10/2013) | (0.58 - 0.66)/(10 - 4) | -0.0133333 |
| 0.51 (9/30/2015) | 0.66 (12/10/2013) | (0.51 - 0.66)/(11 - 4) | -0.0214286 |
| 1 (11/19/2015) | 0.66 (12/10/2013) | (1 - 0.66)/(12 - 4) | 0.0425 |
| 0.83 (3/15/2016) | 0.66 (12/10/2013) | (0.83 - 0.66)/(13 - 4) | 0.0188889 |
| 0.65 (6/29/2016) | 0.66 (12/10/2013) | (0.65 - 0.66)/(14 - 4) | -0.001 |
| 0.87 (8/9/2016) | 0.66 (12/10/2013) | (0.87 - 0.66)/(15 - 4) | 0.0190909 |
| 0.71 (12/7/2016) | 0.66 (12/10/2013) | (0.71 - 0.66)/(16 - 4) | 0.00416667 |
| 0.84 (3/2/2017) | 0.66 (12/10/2013) | (0.84 - 0.66)/(17 - 4) | 0.0138462 |
| 0.73 (6/21/2017) | 0.66 (12/10/2013) | (0.73 - 0.66)/(18 - 4) | 0.005 |
| 0.83 (8/17/2017) | 0.66 (12/10/2013) | (0.83 - 0.66)/(19 - 4) | 0.0113333 |
| 0.58 (10/26/2017) | 0.66 (12/10/2013) | (0.58 - 0.66)/(20 - 4) | -0.005 |
| ND<0.25 U (3/27/2018) | 0.66 (12/10/2013) | (0.25 - 0.66)/(21 - 4) | -0.0241176 |
| 1.01 (6/26/2018) | 0.66 (12/10/2013) | (1.01 - 0.66)/(22 - 4) | 0.0194444 |

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|---|---|---|---|
| 0.89 (8/1/2018) | 0.66 (12/10/2013) | (0.89 - 0.66)/(23 - 4) | 0.0121053 |
| 0.635 (12/11/2018) | 0.66 (12/10/2013) | (0.635 - 0.66)/(24 - 4) | -0.00125 |
| 0.414 (4/17/2019) | 0.66 (12/10/2013) | (0.414 - 0.66)/(25 - 4) | -0.0117143 |
| 0.928 (6/11/2019) | 0.66 (12/10/2013) | (0.928 - 0.66)/(26 - 4) | 0.0121818 |
| 1.05 (8/28/2019) | 0.66 (12/10/2013) | (1.05 - 0.66)/(27 - 4) | 0.0169565 |
| 0.381 (10/28/2019) | 0.66 (12/10/2013) | (0.381 - 0.66)/(28 - 4) | -0.011625 |
| 0.934 (3/31/2020) | 0.66 (12/10/2013) | (0.934 - 0.66)/(29 - 4) | 0.01096 |
| 0.897 (6/10/2020) | 0.66 (12/10/2013) | (0.897 - 0.66)/(30 - 4) | 0.00911538 |
| 0.281 (9/21/2020) | 0.66 (12/10/2013) | (0.281 - 0.66)/(31 - 4) | -0.014037 |
| 0.54 (12/17/2020) | 0.66 (12/10/2013) | (0.54 - 0.66)/(32 - 4) | -0.00428571 |
| 0.67 (3/18/2021) | 0.66 (12/10/2013) | (0.67 - 0.66)/(33 - 4) | 0.000344828 |
| 1.06 (5/5/2021) | 0.66 (12/10/2013) | (1.06 - 0.66)/(34 - 4) | 0.0133333 |
| 0.935 (9/2/2021) | 0.66 (12/10/2013) | (0.935 - 0.66)/(35 - 4) | 0.00887097 |
| 0.37 (11/23/2021) | 0.66 (12/10/2013) | (0.37 - 0.66)/(36 - 4) | -0.0090625 |
| 0.674 (1/10/2022) | 0.66 (12/10/2013) | (0.674 - 0.66)/(37 - 4) | 0.000424242 |
| 0.566 (4/7/2022) | 0.66 (12/10/2013) | (0.566 - 0.66)/(38 - 4) | -0.00276471 |
| 0.723 (8/3/2022) | 0.66 (12/10/2013) | (0.723 - 0.66)/(39 - 4) | 0.0018 |
| 0.406 (11/16/2022) | 0.66 (12/10/2013) | (0.406 - 0.66)/(40 - 4) | -0.00705556 |
| 0.749 (2/13/2023) | 0.66 (12/10/2013) | (0.749 - 0.66)/(41 - 4) | 0.00240541 |
| 0.506 (5/24/2023) | 0.66 (12/10/2013) | (0.506 - 0.66)/(42 - 4) | -0.00405263 |
| 0.903 (8/7/2023) | 0.66 (12/10/2013) | (0.903 - 0.66)/(43 - 4) | 0.00623077 |
| 0.573 (12/12/2023) | 0.66 (12/10/2013) | (0.573 - 0.66)/(44 - 4) | -0.002175 |
| 1.08 (1/10/2024) | 0.66 (12/10/2013) | (1.08 - 0.66)/(45 - 4) | 0.0102439 |
| 0.49 (5/20/2024) | 0.66 (12/10/2013) | (0.49 - 0.66)/(46 - 4) | -0.00404762 |
| 1.33 (9/16/2024) | 0.66 (12/10/2013) | (1.33 - 0.66)/(47 - 4) | 0.0155814 |
| 0.7 (12/11/2024) | 0.66 (12/10/2013) | (0.7 - 0.66)/(48 - 4) | 0.000909091 |
| 0.551 (2/18/2025) | 0.66 (12/10/2013) | (0.551 - 0.66)/(49 - 4) | -0.00242222 |

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|---|---|---|---|
| 0.89 (6/26/2014) | 0.5 (2/6/2014) | (0.89 - 0.5)/(6 - 5) | 0.39 |
| 0.52 (9/30/2014) | 0.5 (2/6/2014) | (0.52 - 0.5)/(7 - 5) | 0.01 |
| 0.46 (11/19/2014) | 0.5 (2/6/2014) | (0.46 - 0.5)/(8 - 5) | -0.0133333 |
| 1.1 (3/23/2015) | 0.5 (2/6/2014) | (1.1 - 0.5)/(9 - 5) | 0.15 |
| 0.58 (4/22/2015) | 0.5 (2/6/2014) | (0.58 - 0.5)/(10 - 5) | 0.016 |
| 0.51 (9/30/2015) | 0.5 (2/6/2014) | (0.51 - 0.5)/(11 - 5) | 0.00166667 |
| 1 (11/19/2015) | 0.5 (2/6/2014) | (1 - 0.5)/(12 - 5) | 0.0714286 |
| 0.83 (3/15/2016) | 0.5 (2/6/2014) | (0.83 - 0.5)/(13 - 5) | 0.04125 |
| 0.65 (6/29/2016) | 0.5 (2/6/2014) | (0.65 - 0.5)/(14 - 5) | 0.0166667 |
| 0.87 (8/9/2016) | 0.5 (2/6/2014) | (0.87 - 0.5)/(15 - 5) | 0.037 |
| 0.71 (12/7/2016) | 0.5 (2/6/2014) | (0.71 - 0.5)/(16 - 5) | 0.0190909 |
| 0.84 (3/2/2017) | 0.5 (2/6/2014) | (0.84 - 0.5)/(17 - 5) | 0.0283333 |
| 0.73 (6/21/2017) | 0.5 (2/6/2014) | (0.73 - 0.5)/(18 - 5) | 0.0176923 |
| 0.83 (8/17/2017) | 0.5 (2/6/2014) | (0.83 - 0.5)/(19 - 5) | 0.0235714 |
| 0.58 (10/26/2017) | 0.5 (2/6/2014) | (0.58 - 0.5)/(20 - 5) | 0.00533333 |
| ND<0.25 U (3/27/2018) | 0.5 (2/6/2014) | (0.25 - 0.5)/(21 - 5) | -0.015625 |
| 1.01 (6/26/2018) | 0.5 (2/6/2014) | (1.01 - 0.5)/(22 - 5) | 0.03 |
| 0.89 (8/1/2018) | 0.5 (2/6/2014) | (0.89 - 0.5)/(23 - 5) | 0.0216667 |
| 0.635 (12/11/2018) | 0.5 (2/6/2014) | (0.635 - 0.5)/(24 - 5) | 0.00710526 |
| 0.414 (4/17/2019) | 0.5 (2/6/2014) | (0.414 - 0.5)/(25 - 5) | -0.0043 |
| 0.928 (6/11/2019) | 0.5 (2/6/2014) | (0.928 - 0.5)/(26 - 5) | 0.020381 |
| 1.05 (8/28/2019) | 0.5 (2/6/2014) | (1.05 - 0.5)/(27 - 5) | 0.025 |
| 0.381 (10/28/2019) | 0.5 (2/6/2014) | (0.381 - 0.5)/(28 - 5) | -0.00517391 |
| 0.934 (3/31/2020) | 0.5 (2/6/2014) | (0.934 - 0.5)/(29 - 5) | 0.0180833 |
| 0.897 (6/10/2020) | 0.5 (2/6/2014) | (0.897 - 0.5)/(30 - 5) | 0.01588 |
| 0.281 (9/21/2020) | 0.5 (2/6/2014) | (0.281 - 0.5)/(31 - 5) | -0.00842308 |
| 0.54 (12/17/2020) | 0.5 (2/6/2014) | (0.54 - 0.5)/(32 - 5) | 0.00148148 |
| 0.67 (3/18/2021) | 0.5 (2/6/2014) | (0.67 - 0.5)/(33 - 5) | 0.00607143 |
| 1.06 (5/5/2021) | 0.5 (2/6/2014) | (1.06 - 0.5)/(34 - 5) | 0.0193103 |

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|---|---|---|---|
| 0.935 (9/2/2021) | 0.5 (2/6/2014) | (0.935 - 0.5)/(35 - 5) | 0.0145 |
| 0.37 (11/23/2021) | 0.5 (2/6/2014) | (0.37 - 0.5)/(36 - 5) | -0.00419355 |
| 0.674 (1/10/2022) | 0.5 (2/6/2014) | (0.674 - 0.5)/(37 - 5) | 0.0054375 |
| 0.566 (4/7/2022) | 0.5 (2/6/2014) | (0.566 - 0.5)/(38 - 5) | 0.002 |
| 0.723 (8/3/2022) | 0.5 (2/6/2014) | (0.723 - 0.5)/(39 - 5) | 0.00655882 |
| 0.406 (11/16/2022) | 0.5 (2/6/2014) | (0.406 - 0.5)/(40 - 5) | -0.00268571 |
| 0.749 (2/13/2023) | 0.5 (2/6/2014) | (0.749 - 0.5)/(41 - 5) | 0.00691667 |
| 0.506 (5/24/2023) | 0.5 (2/6/2014) | (0.506 - 0.5)/(42 - 5) | 0.000162162 |
| 0.903 (8/7/2023) | 0.5 (2/6/2014) | (0.903 - 0.5)/(43 - 5) | 0.0106053 |
| 0.573 (12/12/2023) | 0.5 (2/6/2014) | (0.573 - 0.5)/(44 - 5) | 0.00187179 |
| 1.08 (1/10/2024) | 0.5 (2/6/2014) | (1.08 - 0.5)/(45 - 5) | 0.0145 |
| 0.49 (5/20/2024) | 0.5 (2/6/2014) | (0.49 - 0.5)/(46 - 5) | -0.000243902 |
| 1.33 (9/16/2024) | 0.5 (2/6/2014) | (1.33 - 0.5)/(47 - 5) | 0.0197619 |
| 0.7 (12/11/2024) | 0.5 (2/6/2014) | (0.7 - 0.5)/(48 - 5) | 0.00465116 |
| 0.551 (2/18/2025) | 0.5 (2/6/2014) | (0.551 - 0.5)/(49 - 5) | 0.00115909 |
| | | | |
| 0.52 (9/30/2014) | 0.89 (6/26/2014) | (0.52 - 0.89)/(7 - 6) | -0.37 |
| 0.46 (11/19/2014) | 0.89 (6/26/2014) | (0.46 - 0.89)/(8 - 6) | -0.215 |
| 1.1 (3/23/2015) | 0.89 (6/26/2014) | (1.1 - 0.89)/(9 - 6) | 0.07 |
| 0.58 (4/22/2015) | 0.89 (6/26/2014) | (0.58 - 0.89)/(10 - 6) | -0.0775 |
| 0.51 (9/30/2015) | 0.89 (6/26/2014) | (0.51 - 0.89)/(11 - 6) | -0.076 |
| 1 (11/19/2015) | 0.89 (6/26/2014) | (1 - 0.89)/(12 - 6) | 0.0183333 |
| 0.83 (3/15/2016) | 0.89 (6/26/2014) | (0.83 - 0.89)/(13 - 6) | -0.00857143 |
| 0.65 (6/29/2016) | 0.89 (6/26/2014) | (0.65 - 0.89)/(14 - 6) | -0.03 |
| 0.87 (8/9/2016) | 0.89 (6/26/2014) | (0.87 - 0.89)/(15 - 6) | -0.00222222 |
| 0.71 (12/7/2016) | 0.89 (6/26/2014) | (0.71 - 0.89)/(16 - 6) | -0.018 |
| 0.84 (3/2/2017) | 0.89 (6/26/2014) | (0.84 - 0.89)/(17 - 6) | -0.00454545 |
| 0.73 (6/21/2017) | 0.89 (6/26/2014) | (0.73 - 0.89)/(18 - 6) | -0.0133333 |
| 0.83 (8/17/2017) | 0.89 (6/26/2014) | (0.83 - 0.89)/(19 - 6) | -0.00461538 |
| 0.58 (10/26/2017) | 0.89 (6/26/2014) | (0.58 - 0.89)/(20 - 6) | -0.0221429 |
| ND<0.25 U (3/27/2018) | 0.89 (6/26/2014) | (0.25 - 0.89)/(21 - 6) | -0.0426667 |
| 1.01 (6/26/2018) | 0.89 (6/26/2014) | (1.01 - 0.89)/(22 - 6) | 0.0075 |
| 0.89 (8/1/2018) | 0.89 (6/26/2014) | (0.89 - 0.89)/(23 - 6) | 0 |
| 0.635 (12/11/2018) | 0.89 (6/26/2014) | (0.635 - 0.89)/(24 - 6) | -0.0141667 |
| 0.414 (4/17/2019) | 0.89 (6/26/2014) | (0.414 - 0.89)/(25 - 6) | -0.0250526 |
| 0.928 (6/11/2019) | 0.89 (6/26/2014) | (0.928 - 0.89)/(26 - 6) | 0.0019 |
| 1.05 (8/28/2019) | 0.89 (6/26/2014) | (1.05 - 0.89)/(27 - 6) | 0.00761905 |
| 0.381 (10/28/2019) | 0.89 (6/26/2014) | (0.381 - 0.89)/(28 - 6) | -0.0231364 |
| 0.934 (3/31/2020) | 0.89 (6/26/2014) | (0.934 - 0.89)/(29 - 6) | 0.00191304 |
| 0.897 (6/10/2020) | 0.89 (6/26/2014) | (0.897 - 0.89)/(30 - 6) | 0.000291667 |
| 0.281 (9/21/2020) | 0.89 (6/26/2014) | (0.281 - 0.89)/(31 - 6) | -0.02436 |
| 0.54 (12/17/2020) | 0.89 (6/26/2014) | (0.54 - 0.89)/(32 - 6) | -0.0134615 |
| 0.67 (3/18/2021) | 0.89 (6/26/2014) | (0.67 - 0.89)/(33 - 6) | -0.00814815 |
| 1.06 (5/5/2021) | 0.89 (6/26/2014) | (1.06 - 0.89)/(34 - 6) | 0.00607143 |
| 0.935 (9/2/2021) | 0.89 (6/26/2014) | (0.935 - 0.89)/(35 - 6) | 0.00155172 |
| 0.37 (11/23/2021) | 0.89 (6/26/2014) | (0.37 - 0.89)/(36 - 6) | -0.0173333 |
| 0.674 (1/10/2022) | 0.89 (6/26/2014) | (0.674 - 0.89)/(37 - 6) | -0.00696774 |
| 0.566 (4/7/2022) | 0.89 (6/26/2014) | (0.566 - 0.89)/(38 - 6) | -0.010125 |
| 0.723 (8/3/2022) | 0.89 (6/26/2014) | (0.723 - 0.89)/(39 - 6) | -0.00506061 |
| 0.406 (11/16/2022) | 0.89 (6/26/2014) | (0.406 - 0.89)/(40 - 6) | -0.0142353 |
| 0.749 (2/13/2023) | 0.89 (6/26/2014) | (0.749 - 0.89)/(41 - 6) | -0.00402857 |
| 0.506 (5/24/2023) | 0.89 (6/26/2014) | (0.506 - 0.89)/(42 - 6) | -0.0106667 |
| 0.903 (8/7/2023) | 0.89 (6/26/2014) | (0.903 - 0.89)/(43 - 6) | 0.000351351 |
| 0.573 (12/12/2023) | 0.89 (6/26/2014) | (0.573 - 0.89)/(44 - 6) | -0.00834211 |
| 1.08 (1/10/2024) | 0.89 (6/26/2014) | (1.08 - 0.89)/(45 - 6) | 0.00487179 |
| 0.49 (5/20/2024) | 0.89 (6/26/2014) | (0.49 - 0.89)/(46 - 6) | -0.01 |
| 1.33 (9/16/2024) | 0.89 (6/26/2014) | (1.33 - 0.89)/(47 - 6) | 0.0107317 |

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|---|---|---|---|
| 0.7 (12/11/2024) | 0.89 (6/26/2014) | (0.7 - 0.89)/(48 - 6) | -0.00452381 |
| 0.551 (2/18/2025) | 0.89 (6/26/2014) | (0.551 - 0.89)/(49 - 6) | -0.00788372 |
| | | | |
| 0.46 (11/19/2014) | 0.52 (9/30/2014) | (0.46 - 0.52)/(8 - 7) | -0.06 |
| 1.1 (3/23/2015) | 0.52 (9/30/2014) | (1.1 - 0.52)/(9 - 7) | 0.29 |
| 0.58 (4/22/2015) | 0.52 (9/30/2014) | (0.58 - 0.52)/(10 - 7) | 0.02 |
| 0.51 (9/30/2015) | 0.52 (9/30/2014) | (0.51 - 0.52)/(11 - 7) | -0.0025 |
| 1 (11/19/2015) | 0.52 (9/30/2014) | (1 - 0.52)/(12 - 7) | 0.096 |
| 0.83 (3/15/2016) | 0.52 (9/30/2014) | (0.83 - 0.52)/(13 - 7) | 0.0516667 |
| 0.65 (6/29/2016) | 0.52 (9/30/2014) | (0.65 - 0.52)/(14 - 7) | 0.0185714 |
| 0.87 (8/9/2016) | 0.52 (9/30/2014) | (0.87 - 0.52)/(15 - 7) | 0.04375 |
| 0.71 (12/7/2016) | 0.52 (9/30/2014) | (0.71 - 0.52)/(16 - 7) | 0.0211111 |
| 0.84 (3/2/2017) | 0.52 (9/30/2014) | (0.84 - 0.52)/(17 - 7) | 0.032 |
| 0.73 (6/21/2017) | 0.52 (9/30/2014) | (0.73 - 0.52)/(18 - 7) | 0.0190909 |
| 0.83 (8/17/2017) | 0.52 (9/30/2014) | (0.83 - 0.52)/(19 - 7) | 0.0258333 |
| 0.58 (10/26/2017) | 0.52 (9/30/2014) | (0.58 - 0.52)/(20 - 7) | 0.00461538 |
| ND<0.25 U (3/27/2018) | 0.52 (9/30/2014) | (0.25 - 0.52)/(21 - 7) | -0.0192857 |
| 1.01 (6/26/2018) | 0.52 (9/30/2014) | (1.01 - 0.52)/(22 - 7) | 0.0326667 |
| 0.89 (8/1/2018) | 0.52 (9/30/2014) | (0.89 - 0.52)/(23 - 7) | 0.023125 |
| 0.635 (12/11/2018) | 0.52 (9/30/2014) | (0.635 - 0.52)/(24 - 7) | 0.00676471 |
| 0.414 (4/17/2019) | 0.52 (9/30/2014) | (0.414 - 0.52)/(25 - 7) | -0.00588889 |
| 0.928 (6/11/2019) | 0.52 (9/30/2014) | (0.928 - 0.52)/(26 - 7) | 0.0214737 |
| 1.05 (8/28/2019) | 0.52 (9/30/2014) | (1.05 - 0.52)/(27 - 7) | 0.0265 |
| 0.381 (10/28/2019) | 0.52 (9/30/2014) | (0.381 - 0.52)/(28 - 7) | -0.00661905 |
| 0.934 (3/31/2020) | 0.52 (9/30/2014) | (0.934 - 0.52)/(29 - 7) | 0.0188182 |
| 0.897 (6/10/2020) | 0.52 (9/30/2014) | (0.897 - 0.52)/(30 - 7) | 0.0163913 |
| 0.281 (9/21/2020) | 0.52 (9/30/2014) | (0.281 - 0.52)/(31 - 7) | -0.00995833 |
| 0.54 (12/17/2020) | 0.52 (9/30/2014) | (0.54 - 0.52)/(32 - 7) | 0.0008 |
| 0.67 (3/18/2021) | 0.52 (9/30/2014) | (0.67 - 0.52)/(33 - 7) | 0.00576923 |
| 1.06 (5/5/2021) | 0.52 (9/30/2014) | (1.06 - 0.52)/(34 - 7) | 0.02 |
| 0.935 (9/2/2021) | 0.52 (9/30/2014) | (0.935 - 0.52)/(35 - 7) | 0.0148214 |
| 0.37 (11/23/2021) | 0.52 (9/30/2014) | (0.37 - 0.52)/(36 - 7) | -0.00517241 |
| 0.674 (1/10/2022) | 0.52 (9/30/2014) | (0.674 - 0.52)/(37 - 7) | 0.00513333 |
| 0.566 (4/7/2022) | 0.52 (9/30/2014) | (0.566 - 0.52)/(38 - 7) | 0.00148387 |
| 0.723 (8/3/2022) | 0.52 (9/30/2014) | (0.723 - 0.52)/(39 - 7) | 0.00634375 |
| 0.406 (11/16/2022) | 0.52 (9/30/2014) | (0.406 - 0.52)/(40 - 7) | -0.00345455 |
| 0.749 (2/13/2023) | 0.52 (9/30/2014) | (0.749 - 0.52)/(41 - 7) | 0.00673529 |
| 0.506 (5/24/2023) | 0.52 (9/30/2014) | (0.506 - 0.52)/(42 - 7) | -0.0004 |
| 0.903 (8/7/2023) | 0.52 (9/30/2014) | (0.903 - 0.52)/(43 - 7) | 0.0106389 |
| 0.573 (12/12/2023) | 0.52 (9/30/2014) | (0.573 - 0.52)/(44 - 7) | 0.00143243 |
| 1.08 (1/10/2024) | 0.52 (9/30/2014) | (1.08 - 0.52)/(45 - 7) | 0.0147368 |
| 0.49 (5/20/2024) | 0.52 (9/30/2014) | (0.49 - 0.52)/(46 - 7) | -0.000769231 |
| 1.33 (9/16/2024) | 0.52 (9/30/2014) | (1.33 - 0.52)/(47 - 7) | 0.02025 |
| 0.7 (12/11/2024) | 0.52 (9/30/2014) | (0.7 - 0.52)/(48 - 7) | 0.00439024 |
| 0.551 (2/18/2025) | 0.52 (9/30/2014) | (0.551 - 0.52)/(49 - 7) | 0.000738095 |
| | | | |
| 1.1 (3/23/2015) | 0.46 (11/19/2014) | (1.1 - 0.46)/(9 - 8) | 0.64 |
| 0.58 (4/22/2015) | 0.46 (11/19/2014) | (0.58 - 0.46)/(10 - 8) | 0.06 |
| 0.51 (9/30/2015) | 0.46 (11/19/2014) | (0.51 - 0.46)/(11 - 8) | 0.0166667 |
| 1 (11/19/2015) | 0.46 (11/19/2014) | (1 - 0.46)/(12 - 8) | 0.135 |
| 0.83 (3/15/2016) | 0.46 (11/19/2014) | (0.83 - 0.46)/(13 - 8) | 0.074 |
| 0.65 (6/29/2016) | 0.46 (11/19/2014) | (0.65 - 0.46)/(14 - 8) | 0.0316667 |
| 0.87 (8/9/2016) | 0.46 (11/19/2014) | (0.87 - 0.46)/(15 - 8) | 0.0585714 |
| 0.71 (12/7/2016) | 0.46 (11/19/2014) | (0.71 - 0.46)/(16 - 8) | 0.03125 |
| 0.84 (3/2/2017) | 0.46 (11/19/2014) | (0.84 - 0.46)/(17 - 8) | 0.0422222 |
| 0.73 (6/21/2017) | 0.46 (11/19/2014) | (0.73 - 0.46)/(18 - 8) | 0.027 |
| 0.83 (8/17/2017) | 0.46 (11/19/2014) | (0.83 - 0.46)/(19 - 8) | 0.0336364 |

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|---|---|---|---|
| 0.58 (10/26/2017) | 0.46 (11/19/2014) | (0.58 - 0.46)/(20 - 8) | 0.01 |
| ND<0.25 U (3/27/2018) | 0.46 (11/19/2014) | (0.25 - 0.46)/(21 - 8) | -0.0161538 |
| 1.01 (6/26/2018) | 0.46 (11/19/2014) | (1.01 - 0.46)/(22 - 8) | 0.0392857 |
| 0.89 (8/1/2018) | 0.46 (11/19/2014) | (0.89 - 0.46)/(23 - 8) | 0.0286667 |
| 0.635 (12/11/2018) | 0.46 (11/19/2014) | (0.635 - 0.46)/(24 - 8) | 0.0109375 |
| 0.414 (4/17/2019) | 0.46 (11/19/2014) | (0.414 - 0.46)/(25 - 8) | -0.00270588 |
| 0.928 (6/11/2019) | 0.46 (11/19/2014) | (0.928 - 0.46)/(26 - 8) | 0.026 |
| 1.05 (8/28/2019) | 0.46 (11/19/2014) | (1.05 - 0.46)/(27 - 8) | 0.0310526 |
| 0.381 (10/28/2019) | 0.46 (11/19/2014) | (0.381 - 0.46)/(28 - 8) | -0.00395 |
| 0.934 (3/31/2020) | 0.46 (11/19/2014) | (0.934 - 0.46)/(29 - 8) | 0.0225714 |
| 0.897 (6/10/2020) | 0.46 (11/19/2014) | (0.897 - 0.46)/(30 - 8) | 0.0198636 |
| 0.281 (9/21/2020) | 0.46 (11/19/2014) | (0.281 - 0.46)/(31 - 8) | -0.00778261 |
| 0.54 (12/17/2020) | 0.46 (11/19/2014) | (0.54 - 0.46)/(32 - 8) | 0.00333333 |
| 0.67 (3/18/2021) | 0.46 (11/19/2014) | (0.67 - 0.46)/(33 - 8) | 0.0084 |
| 1.06 (5/5/2021) | 0.46 (11/19/2014) | (1.06 - 0.46)/(34 - 8) | 0.0230769 |
| 0.935 (9/2/2021) | 0.46 (11/19/2014) | (0.935 - 0.46)/(35 - 8) | 0.0175926 |
| 0.37 (11/23/2021) | 0.46 (11/19/2014) | (0.37 - 0.46)/(36 - 8) | -0.00321429 |
| 0.674 (1/10/2022) | 0.46 (11/19/2014) | (0.674 - 0.46)/(37 - 8) | 0.00737931 |
| 0.566 (4/7/2022) | 0.46 (11/19/2014) | (0.566 - 0.46)/(38 - 8) | 0.00353333 |
| 0.723 (8/3/2022) | 0.46 (11/19/2014) | (0.723 - 0.46)/(39 - 8) | 0.00848387 |
| 0.406 (11/16/2022) | 0.46 (11/19/2014) | (0.406 - 0.46)/(40 - 8) | -0.0016875 |
| 0.749 (2/13/2023) | 0.46 (11/19/2014) | (0.749 - 0.46)/(41 - 8) | 0.00875758 |
| 0.506 (5/24/2023) | 0.46 (11/19/2014) | (0.506 - 0.46)/(42 - 8) | 0.00135294 |
| 0.903 (8/7/2023) | 0.46 (11/19/2014) | (0.903 - 0.46)/(43 - 8) | 0.0126571 |
| 0.573 (12/12/2023) | 0.46 (11/19/2014) | (0.573 - 0.46)/(44 - 8) | 0.00313889 |
| 1.08 (1/10/2024) | 0.46 (11/19/2014) | (1.08 - 0.46)/(45 - 8) | 0.0167568 |
| 0.49 (5/20/2024) | 0.46 (11/19/2014) | (0.49 - 0.46)/(46 - 8) | 0.000789474 |
| 1.33 (9/16/2024) | 0.46 (11/19/2014) | (1.33 - 0.46)/(47 - 8) | 0.0223077 |
| 0.7 (12/11/2024) | 0.46 (11/19/2014) | (0.7 - 0.46)/(48 - 8) | 0.006 |
| 0.551 (2/18/2025) | 0.46 (11/19/2014) | (0.551 - 0.46)/(49 - 8) | 0.00221951 |

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|---|---|---|---|
| 0.58 (4/22/2015) | 1.1 (3/23/2015) | (0.58 - 1.1)/(10 - 9) | -0.52 |
| 0.51 (9/30/2015) | 1.1 (3/23/2015) | (0.51 - 1.1)/(11 - 9) | -0.295 |
| 1 (11/19/2015) | 1.1 (3/23/2015) | (1 - 1.1)/(12 - 9) | -0.0333333 |
| 0.83 (3/15/2016) | 1.1 (3/23/2015) | (0.83 - 1.1)/(13 - 9) | -0.0675 |
| 0.65 (6/29/2016) | 1.1 (3/23/2015) | (0.65 - 1.1)/(14 - 9) | -0.09 |
| 0.87 (8/9/2016) | 1.1 (3/23/2015) | (0.87 - 1.1)/(15 - 9) | -0.0383333 |
| 0.71 (12/7/2016) | 1.1 (3/23/2015) | (0.71 - 1.1)/(16 - 9) | -0.0557143 |
| 0.84 (3/2/2017) | 1.1 (3/23/2015) | (0.84 - 1.1)/(17 - 9) | -0.0325 |
| 0.73 (6/21/2017) | 1.1 (3/23/2015) | (0.73 - 1.1)/(18 - 9) | -0.0411111 |
| 0.83 (8/17/2017) | 1.1 (3/23/2015) | (0.83 - 1.1)/(19 - 9) | -0.027 |
| 0.58 (10/26/2017) | 1.1 (3/23/2015) | (0.58 - 1.1)/(20 - 9) | -0.0472727 |
| ND<0.25 U (3/27/2018) | 1.1 (3/23/2015) | (0.25 - 1.1)/(21 - 9) | -0.0708333 |
| 1.01 (6/26/2018) | 1.1 (3/23/2015) | (1.01 - 1.1)/(22 - 9) | -0.00692308 |
| 0.89 (8/1/2018) | 1.1 (3/23/2015) | (0.89 - 1.1)/(23 - 9) | -0.015 |
| 0.635 (12/11/2018) | 1.1 (3/23/2015) | (0.635 - 1.1)/(24 - 9) | -0.031 |
| 0.414 (4/17/2019) | 1.1 (3/23/2015) | (0.414 - 1.1)/(25 - 9) | -0.042875 |
| 0.928 (6/11/2019) | 1.1 (3/23/2015) | (0.928 - 1.1)/(26 - 9) | -0.0101176 |
| 1.05 (8/28/2019) | 1.1 (3/23/2015) | (1.05 - 1.1)/(27 - 9) | -0.00277778 |
| 0.381 (10/28/2019) | 1.1 (3/23/2015) | (0.381 - 1.1)/(28 - 9) | -0.0378421 |
| 0.934 (3/31/2020) | 1.1 (3/23/2015) | (0.934 - 1.1)/(29 - 9) | -0.0083 |
| 0.897 (6/10/2020) | 1.1 (3/23/2015) | (0.897 - 1.1)/(30 - 9) | -0.00966667 |
| 0.281 (9/21/2020) | 1.1 (3/23/2015) | (0.281 - 1.1)/(31 - 9) | -0.0372273 |
| 0.54 (12/17/2020) | 1.1 (3/23/2015) | (0.54 - 1.1)/(32 - 9) | -0.0243478 |
| 0.67 (3/18/2021) | 1.1 (3/23/2015) | (0.67 - 1.1)/(33 - 9) | -0.0179167 |
| 1.06 (5/5/2021) | 1.1 (3/23/2015) | (1.06 - 1.1)/(34 - 9) | -0.0016 |
| 0.935 (9/2/2021) | 1.1 (3/23/2015) | (0.935 - 1.1)/(35 - 9) | -0.00634615 |

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|---|---|---|---|
| 0.37 (11/23/2021) | 1.1 (3/23/2015) | (0.37 - 1.1)/(36 - 9) | -0.027037 |
| 0.674 (1/10/2022) | 1.1 (3/23/2015) | (0.674 - 1.1)/(37 - 9) | -0.0152143 |
| 0.566 (4/7/2022) | 1.1 (3/23/2015) | (0.566 - 1.1)/(38 - 9) | -0.0184138 |
| 0.723 (8/3/2022) | 1.1 (3/23/2015) | (0.723 - 1.1)/(39 - 9) | -0.0125667 |
| 0.406 (11/16/2022) | 1.1 (3/23/2015) | (0.406 - 1.1)/(40 - 9) | -0.0223871 |
| 0.749 (2/13/2023) | 1.1 (3/23/2015) | (0.749 - 1.1)/(41 - 9) | -0.0109688 |
| 0.506 (5/24/2023) | 1.1 (3/23/2015) | (0.506 - 1.1)/(42 - 9) | -0.018 |
| 0.903 (8/7/2023) | 1.1 (3/23/2015) | (0.903 - 1.1)/(43 - 9) | -0.00579412 |
| 0.573 (12/12/2023) | 1.1 (3/23/2015) | (0.573 - 1.1)/(44 - 9) | -0.0150571 |
| 1.08 (1/10/2024) | 1.1 (3/23/2015) | (1.08 - 1.1)/(45 - 9) | -0.000555556 |
| 0.49 (5/20/2024) | 1.1 (3/23/2015) | (0.49 - 1.1)/(46 - 9) | -0.0164865 |
| 1.33 (9/16/2024) | 1.1 (3/23/2015) | (1.33 - 1.1)/(47 - 9) | 0.00605263 |
| 0.7 (12/11/2024) | 1.1 (3/23/2015) | (0.7 - 1.1)/(48 - 9) | -0.0102564 |
| 0.551 (2/18/2025) | 1.1 (3/23/2015) | (0.551 - 1.1)/(49 - 9) | -0.013725 |
| | | | |
| 0.51 (9/30/2015) | 0.58 (4/22/2015) | (0.51 - 0.58)/(11 - 10) | -0.07 |
| 1 (11/19/2015) | 0.58 (4/22/2015) | (1 - 0.58)/(12 - 10) | 0.21 |
| 0.83 (3/15/2016) | 0.58 (4/22/2015) | (0.83 - 0.58)/(13 - 10) | 0.0833333 |
| 0.65 (6/29/2016) | 0.58 (4/22/2015) | (0.65 - 0.58)/(14 - 10) | 0.0175 |
| 0.87 (8/9/2016) | 0.58 (4/22/2015) | (0.87 - 0.58)/(15 - 10) | 0.058 |
| 0.71 (12/7/2016) | 0.58 (4/22/2015) | (0.71 - 0.58)/(16 - 10) | 0.0216667 |
| 0.84 (3/2/2017) | 0.58 (4/22/2015) | (0.84 - 0.58)/(17 - 10) | 0.0371429 |
| 0.73 (6/21/2017) | 0.58 (4/22/2015) | (0.73 - 0.58)/(18 - 10) | 0.01875 |
| 0.83 (8/17/2017) | 0.58 (4/22/2015) | (0.83 - 0.58)/(19 - 10) | 0.0277778 |
| 0.58 (10/26/2017) | 0.58 (4/22/2015) | (0.58 - 0.58)/(20 - 10) | 0 |
| ND<0.25 U (3/27/2018) | 0.58 (4/22/2015) | (0.25 - 0.58)/(21 - 10) | -0.03 |
| 1.01 (6/26/2018) | 0.58 (4/22/2015) | (1.01 - 0.58)/(22 - 10) | 0.0358333 |
| 0.89 (8/1/2018) | 0.58 (4/22/2015) | (0.89 - 0.58)/(23 - 10) | 0.0238462 |
| 0.635 (12/11/2018) | 0.58 (4/22/2015) | (0.635 - 0.58)/(24 - 10) | 0.00392857 |
| 0.414 (4/17/2019) | 0.58 (4/22/2015) | (0.414 - 0.58)/(25 - 10) | -0.0110667 |
| 0.928 (6/11/2019) | 0.58 (4/22/2015) | (0.928 - 0.58)/(26 - 10) | 0.02175 |
| 1.05 (8/28/2019) | 0.58 (4/22/2015) | (1.05 - 0.58)/(27 - 10) | 0.0276471 |
| 0.381 (10/28/2019) | 0.58 (4/22/2015) | (0.381 - 0.58)/(28 - 10) | -0.0110556 |
| 0.934 (3/31/2020) | 0.58 (4/22/2015) | (0.934 - 0.58)/(29 - 10) | 0.0186316 |
| 0.897 (6/10/2020) | 0.58 (4/22/2015) | (0.897 - 0.58)/(30 - 10) | 0.01585 |
| 0.281 (9/21/2020) | 0.58 (4/22/2015) | (0.281 - 0.58)/(31 - 10) | -0.0142381 |
| 0.54 (12/17/2020) | 0.58 (4/22/2015) | (0.54 - 0.58)/(32 - 10) | -0.00181818 |
| 0.67 (3/18/2021) | 0.58 (4/22/2015) | (0.67 - 0.58)/(33 - 10) | 0.00391304 |
| 1.06 (5/5/2021) | 0.58 (4/22/2015) | (1.06 - 0.58)/(34 - 10) | 0.02 |
| 0.935 (9/2/2021) | 0.58 (4/22/2015) | (0.935 - 0.58)/(35 - 10) | 0.0142 |
| 0.37 (11/23/2021) | 0.58 (4/22/2015) | (0.37 - 0.58)/(36 - 10) | -0.00807692 |
| 0.674 (1/10/2022) | 0.58 (4/22/2015) | (0.674 - 0.58)/(37 - 10) | 0.00348148 |
| 0.566 (4/7/2022) | 0.58 (4/22/2015) | (0.566 - 0.58)/(38 - 10) | -0.0005 |
| 0.723 (8/3/2022) | 0.58 (4/22/2015) | (0.723 - 0.58)/(39 - 10) | 0.00493103 |
| 0.406 (11/16/2022) | 0.58 (4/22/2015) | (0.406 - 0.58)/(40 - 10) | -0.0058 |
| 0.749 (2/13/2023) | 0.58 (4/22/2015) | (0.749 - 0.58)/(41 - 10) | 0.00545161 |
| 0.506 (5/24/2023) | 0.58 (4/22/2015) | (0.506 - 0.58)/(42 - 10) | -0.0023125 |
| 0.903 (8/7/2023) | 0.58 (4/22/2015) | (0.903 - 0.58)/(43 - 10) | 0.00978788 |
| 0.573 (12/12/2023) | 0.58 (4/22/2015) | (0.573 - 0.58)/(44 - 10) | -0.000205882 |
| 1.08 (1/10/2024) | 0.58 (4/22/2015) | (1.08 - 0.58)/(45 - 10) | 0.0142857 |
| 0.49 (5/20/2024) | 0.58 (4/22/2015) | (0.49 - 0.58)/(46 - 10) | -0.0025 |
| 1.33 (9/16/2024) | 0.58 (4/22/2015) | (1.33 - 0.58)/(47 - 10) | 0.0202703 |
| 0.7 (12/11/2024) | 0.58 (4/22/2015) | (0.7 - 0.58)/(48 - 10) | 0.00315789 |
| 0.551 (2/18/2025) | 0.58 (4/22/2015) | (0.551 - 0.58)/(49 - 10) | -0.00074359 |
| | | | |
| 1 (11/19/2015) | 0.51 (9/30/2015) | (1 - 0.51)/(12 - 11) | 0.49 |
| 0.83 (3/15/2016) | 0.51 (9/30/2015) | (0.83 - 0.51)/(13 - 11) | 0.16 |

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|---|---|---|---|
| 0.65 (6/29/2016) | 0.51 (9/30/2015) | (0.65 - 0.51)/(14 - 11) | 0.0466667 |
| 0.87 (8/9/2016) | 0.51 (9/30/2015) | (0.87 - 0.51)/(15 - 11) | 0.09 |
| 0.71 (12/7/2016) | 0.51 (9/30/2015) | (0.71 - 0.51)/(16 - 11) | 0.04 |
| 0.84 (3/2/2017) | 0.51 (9/30/2015) | (0.84 - 0.51)/(17 - 11) | 0.055 |
| 0.73 (6/21/2017) | 0.51 (9/30/2015) | (0.73 - 0.51)/(18 - 11) | 0.0314286 |
| 0.83 (8/17/2017) | 0.51 (9/30/2015) | (0.83 - 0.51)/(19 - 11) | 0.04 |
| 0.58 (10/26/2017) | 0.51 (9/30/2015) | (0.58 - 0.51)/(20 - 11) | 0.00777778 |
| ND<0.25 U (3/27/2018) | 0.51 (9/30/2015) | (0.25 - 0.51)/(21 - 11) | -0.026 |
| 1.01 (6/26/2018) | 0.51 (9/30/2015) | (1.01 - 0.51)/(22 - 11) | 0.0454545 |
| 0.89 (8/1/2018) | 0.51 (9/30/2015) | (0.89 - 0.51)/(23 - 11) | 0.0316667 |
| 0.635 (12/11/2018) | 0.51 (9/30/2015) | (0.635 - 0.51)/(24 - 11) | 0.00961538 |
| 0.414 (4/17/2019) | 0.51 (9/30/2015) | (0.414 - 0.51)/(25 - 11) | -0.00685714 |
| 0.928 (6/11/2019) | 0.51 (9/30/2015) | (0.928 - 0.51)/(26 - 11) | 0.0278667 |
| 1.05 (8/28/2019) | 0.51 (9/30/2015) | (1.05 - 0.51)/(27 - 11) | 0.03375 |
| 0.381 (10/28/2019) | 0.51 (9/30/2015) | (0.381 - 0.51)/(28 - 11) | -0.00758824 |
| 0.934 (3/31/2020) | 0.51 (9/30/2015) | (0.934 - 0.51)/(29 - 11) | 0.0235556 |
| 0.897 (6/10/2020) | 0.51 (9/30/2015) | (0.897 - 0.51)/(30 - 11) | 0.0203684 |
| 0.281 (9/21/2020) | 0.51 (9/30/2015) | (0.281 - 0.51)/(31 - 11) | -0.01145 |
| 0.54 (12/17/2020) | 0.51 (9/30/2015) | (0.54 - 0.51)/(32 - 11) | 0.00142857 |
| 0.67 (3/18/2021) | 0.51 (9/30/2015) | (0.67 - 0.51)/(33 - 11) | 0.00727273 |
| 1.06 (5/5/2021) | 0.51 (9/30/2015) | (1.06 - 0.51)/(34 - 11) | 0.023913 |
| 0.935 (9/2/2021) | 0.51 (9/30/2015) | (0.935 - 0.51)/(35 - 11) | 0.0177083 |
| 0.37 (11/23/2021) | 0.51 (9/30/2015) | (0.37 - 0.51)/(36 - 11) | -0.0056 |
| 0.674 (1/10/2022) | 0.51 (9/30/2015) | (0.674 - 0.51)/(37 - 11) | 0.00630769 |
| 0.566 (4/7/2022) | 0.51 (9/30/2015) | (0.566 - 0.51)/(38 - 11) | 0.00207407 |
| 0.723 (8/3/2022) | 0.51 (9/30/2015) | (0.723 - 0.51)/(39 - 11) | 0.00760714 |
| 0.406 (11/16/2022) | 0.51 (9/30/2015) | (0.406 - 0.51)/(40 - 11) | -0.00358621 |
| 0.749 (2/13/2023) | 0.51 (9/30/2015) | (0.749 - 0.51)/(41 - 11) | 0.00796667 |
| 0.506 (5/24/2023) | 0.51 (9/30/2015) | (0.506 - 0.51)/(42 - 11) | -0.000129032 |
| 0.903 (8/7/2023) | 0.51 (9/30/2015) | (0.903 - 0.51)/(43 - 11) | 0.0122813 |
| 0.573 (12/12/2023) | 0.51 (9/30/2015) | (0.573 - 0.51)/(44 - 11) | 0.00190909 |
| 1.08 (1/10/2024) | 0.51 (9/30/2015) | (1.08 - 0.51)/(45 - 11) | 0.0167647 |
| 0.49 (5/20/2024) | 0.51 (9/30/2015) | (0.49 - 0.51)/(46 - 11) | -0.000571429 |
| 1.33 (9/16/2024) | 0.51 (9/30/2015) | (1.33 - 0.51)/(47 - 11) | 0.0227778 |
| 0.7 (12/11/2024) | 0.51 (9/30/2015) | (0.7 - 0.51)/(48 - 11) | 0.00513514 |
| 0.551 (2/18/2025) | 0.51 (9/30/2015) | (0.551 - 0.51)/(49 - 11) | 0.00107895 |

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|---|---|---|---|
| 0.83 (3/15/2016) | 1 (11/19/2015) | (0.83 - 1)/(13 - 12) | -0.17 |
| 0.65 (6/29/2016) | 1 (11/19/2015) | (0.65 - 1)/(14 - 12) | -0.175 |
| 0.87 (8/9/2016) | 1 (11/19/2015) | (0.87 - 1)/(15 - 12) | -0.0433333 |
| 0.71 (12/7/2016) | 1 (11/19/2015) | (0.71 - 1)/(16 - 12) | -0.0725 |
| 0.84 (3/2/2017) | 1 (11/19/2015) | (0.84 - 1)/(17 - 12) | -0.032 |
| 0.73 (6/21/2017) | 1 (11/19/2015) | (0.73 - 1)/(18 - 12) | -0.045 |
| 0.83 (8/17/2017) | 1 (11/19/2015) | (0.83 - 1)/(19 - 12) | -0.0242857 |
| 0.58 (10/26/2017) | 1 (11/19/2015) | (0.58 - 1)/(20 - 12) | -0.0525 |
| ND<0.25 U (3/27/2018) | 1 (11/19/2015) | (0.25 - 1)/(21 - 12) | -0.0833333 |
| 1.01 (6/26/2018) | 1 (11/19/2015) | (1.01 - 1)/(22 - 12) | 0.001 |
| 0.89 (8/1/2018) | 1 (11/19/2015) | (0.89 - 1)/(23 - 12) | -0.01 |
| 0.635 (12/11/2018) | 1 (11/19/2015) | (0.635 - 1)/(24 - 12) | -0.0304167 |
| 0.414 (4/17/2019) | 1 (11/19/2015) | (0.414 - 1)/(25 - 12) | -0.0450769 |
| 0.928 (6/11/2019) | 1 (11/19/2015) | (0.928 - 1)/(26 - 12) | -0.00514286 |
| 1.05 (8/28/2019) | 1 (11/19/2015) | (1.05 - 1)/(27 - 12) | 0.00333333 |
| 0.381 (10/28/2019) | 1 (11/19/2015) | (0.381 - 1)/(28 - 12) | -0.0386875 |
| 0.934 (3/31/2020) | 1 (11/19/2015) | (0.934 - 1)/(29 - 12) | -0.00388235 |
| 0.897 (6/10/2020) | 1 (11/19/2015) | (0.897 - 1)/(30 - 12) | -0.00572222 |
| 0.281 (9/21/2020) | 1 (11/19/2015) | (0.281 - 1)/(31 - 12) | -0.0378421 |
| 0.54 (12/17/2020) | 1 (11/19/2015) | (0.54 - 1)/(32 - 12) | -0.023 |

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|---|---|---|---|
| 0.67 (3/18/2021) | 1 (11/19/2015) | (0.67 - 1)/(33 - 12) | -0.0157143 |
| 1.06 (5/5/2021) | 1 (11/19/2015) | (1.06 - 1)/(34 - 12) | 0.00272727 |
| 0.935 (9/2/2021) | 1 (11/19/2015) | (0.935 - 1)/(35 - 12) | -0.00282609 |
| 0.37 (11/23/2021) | 1 (11/19/2015) | (0.37 - 1)/(36 - 12) | -0.02625 |
| 0.674 (1/10/2022) | 1 (11/19/2015) | (0.674 - 1)/(37 - 12) | -0.01304 |
| 0.566 (4/7/2022) | 1 (11/19/2015) | (0.566 - 1)/(38 - 12) | -0.0166923 |
| 0.723 (8/3/2022) | 1 (11/19/2015) | (0.723 - 1)/(39 - 12) | -0.0102593 |
| 0.406 (11/16/2022) | 1 (11/19/2015) | (0.406 - 1)/(40 - 12) | -0.0212143 |
| 0.749 (2/13/2023) | 1 (11/19/2015) | (0.749 - 1)/(41 - 12) | -0.00865517 |
| 0.506 (5/24/2023) | 1 (11/19/2015) | (0.506 - 1)/(42 - 12) | -0.0164667 |
| 0.903 (8/7/2023) | 1 (11/19/2015) | (0.903 - 1)/(43 - 12) | -0.00312903 |
| 0.573 (12/12/2023) | 1 (11/19/2015) | (0.573 - 1)/(44 - 12) | -0.0133438 |
| 1.08 (1/10/2024) | 1 (11/19/2015) | (1.08 - 1)/(45 - 12) | 0.00242424 |
| 0.49 (5/20/2024) | 1 (11/19/2015) | (0.49 - 1)/(46 - 12) | -0.015 |
| 1.33 (9/16/2024) | 1 (11/19/2015) | (1.33 - 1)/(47 - 12) | 0.00942857 |
| 0.7 (12/11/2024) | 1 (11/19/2015) | (0.7 - 1)/(48 - 12) | -0.00833333 |
| 0.551 (2/18/2025) | 1 (11/19/2015) | (0.551 - 1)/(49 - 12) | -0.0121351 |
| | | | |
| 0.65 (6/29/2016) | 0.83 (3/15/2016) | (0.65 - 0.83)/(14 - 13) | -0.18 |
| 0.87 (8/9/2016) | 0.83 (3/15/2016) | (0.87 - 0.83)/(15 - 13) | 0.02 |
| 0.71 (12/7/2016) | 0.83 (3/15/2016) | (0.71 - 0.83)/(16 - 13) | -0.04 |
| 0.84 (3/2/2017) | 0.83 (3/15/2016) | (0.84 - 0.83)/(17 - 13) | 0.0025 |
| 0.73 (6/21/2017) | 0.83 (3/15/2016) | (0.73 - 0.83)/(18 - 13) | -0.02 |
| 0.83 (8/17/2017) | 0.83 (3/15/2016) | (0.83 - 0.83)/(19 - 13) | 0 |
| 0.58 (10/26/2017) | 0.83 (3/15/2016) | (0.58 - 0.83)/(20 - 13) | -0.0357143 |
| ND<0.25 U (3/27/2018) | 0.83 (3/15/2016) | (0.25 - 0.83)/(21 - 13) | -0.0725 |
| 1.01 (6/26/2018) | 0.83 (3/15/2016) | (1.01 - 0.83)/(22 - 13) | 0.02 |
| 0.89 (8/1/2018) | 0.83 (3/15/2016) | (0.89 - 0.83)/(23 - 13) | 0.006 |
| 0.635 (12/11/2018) | 0.83 (3/15/2016) | (0.635 - 0.83)/(24 - 13) | -0.0177273 |
| 0.414 (4/17/2019) | 0.83 (3/15/2016) | (0.414 - 0.83)/(25 - 13) | -0.0346667 |
| 0.928 (6/11/2019) | 0.83 (3/15/2016) | (0.928 - 0.83)/(26 - 13) | 0.00753846 |
| 1.05 (8/28/2019) | 0.83 (3/15/2016) | (1.05 - 0.83)/(27 - 13) | 0.0157143 |
| 0.381 (10/28/2019) | 0.83 (3/15/2016) | (0.381 - 0.83)/(28 - 13) | -0.0299333 |
| 0.934 (3/31/2020) | 0.83 (3/15/2016) | (0.934 - 0.83)/(29 - 13) | 0.0065 |
| 0.897 (6/10/2020) | 0.83 (3/15/2016) | (0.897 - 0.83)/(30 - 13) | 0.00394118 |
| 0.281 (9/21/2020) | 0.83 (3/15/2016) | (0.281 - 0.83)/(31 - 13) | -0.0305 |
| 0.54 (12/17/2020) | 0.83 (3/15/2016) | (0.54 - 0.83)/(32 - 13) | -0.0152632 |
| 0.67 (3/18/2021) | 0.83 (3/15/2016) | (0.67 - 0.83)/(33 - 13) | -0.008 |
| 1.06 (5/5/2021) | 0.83 (3/15/2016) | (1.06 - 0.83)/(34 - 13) | 0.0109524 |
| 0.935 (9/2/2021) | 0.83 (3/15/2016) | (0.935 - 0.83)/(35 - 13) | 0.00477273 |
| 0.37 (11/23/2021) | 0.83 (3/15/2016) | (0.37 - 0.83)/(36 - 13) | -0.02 |
| 0.674 (1/10/2022) | 0.83 (3/15/2016) | (0.674 - 0.83)/(37 - 13) | -0.0065 |
| 0.566 (4/7/2022) | 0.83 (3/15/2016) | (0.566 - 0.83)/(38 - 13) | -0.01056 |
| 0.723 (8/3/2022) | 0.83 (3/15/2016) | (0.723 - 0.83)/(39 - 13) | -0.00411538 |
| 0.406 (11/16/2022) | 0.83 (3/15/2016) | (0.406 - 0.83)/(40 - 13) | -0.0157037 |
| 0.749 (2/13/2023) | 0.83 (3/15/2016) | (0.749 - 0.83)/(41 - 13) | -0.00289286 |
| 0.506 (5/24/2023) | 0.83 (3/15/2016) | (0.506 - 0.83)/(42 - 13) | -0.0111724 |
| 0.903 (8/7/2023) | 0.83 (3/15/2016) | (0.903 - 0.83)/(43 - 13) | 0.00243333 |
| 0.573 (12/12/2023) | 0.83 (3/15/2016) | (0.573 - 0.83)/(44 - 13) | -0.00829032 |
| 1.08 (1/10/2024) | 0.83 (3/15/2016) | (1.08 - 0.83)/(45 - 13) | 0.0078125 |
| 0.49 (5/20/2024) | 0.83 (3/15/2016) | (0.49 - 0.83)/(46 - 13) | -0.010303 |
| 1.33 (9/16/2024) | 0.83 (3/15/2016) | (1.33 - 0.83)/(47 - 13) | 0.0147059 |
| 0.7 (12/11/2024) | 0.83 (3/15/2016) | (0.7 - 0.83)/(48 - 13) | -0.00371429 |
| 0.551 (2/18/2025) | 0.83 (3/15/2016) | (0.551 - 0.83)/(49 - 13) | -0.00775 |
| | | | |
| 0.87 (8/9/2016) | 0.65 (6/29/2016) | (0.87 - 0.65)/(15 - 14) | 0.22 |
| 0.71 (12/7/2016) | 0.65 (6/29/2016) | (0.71 - 0.65)/(16 - 14) | 0.03 |

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|---|---|---|---|
| 0.84 (3/2/2017) | 0.65 (6/29/2016) | (0.84 - 0.65)/(17 - 14) | 0.0633333 |
| 0.73 (6/21/2017) | 0.65 (6/29/2016) | (0.73 - 0.65)/(18 - 14) | 0.02 |
| 0.83 (8/17/2017) | 0.65 (6/29/2016) | (0.83 - 0.65)/(19 - 14) | 0.036 |
| 0.58 (10/26/2017) | 0.65 (6/29/2016) | (0.58 - 0.65)/(20 - 14) | -0.0116667 |
| ND<0.25 U (3/27/2018) | 0.65 (6/29/2016) | (0.25 - 0.65)/(21 - 14) | -0.0571429 |
| 1.01 (6/26/2018) | 0.65 (6/29/2016) | (1.01 - 0.65)/(22 - 14) | 0.045 |
| 0.89 (8/1/2018) | 0.65 (6/29/2016) | (0.89 - 0.65)/(23 - 14) | 0.0266667 |
| 0.635 (12/11/2018) | 0.65 (6/29/2016) | (0.635 - 0.65)/(24 - 14) | -0.0015 |
| 0.414 (4/17/2019) | 0.65 (6/29/2016) | (0.414 - 0.65)/(25 - 14) | -0.0214545 |
| 0.928 (6/11/2019) | 0.65 (6/29/2016) | (0.928 - 0.65)/(26 - 14) | 0.0231667 |
| 1.05 (8/28/2019) | 0.65 (6/29/2016) | (1.05 - 0.65)/(27 - 14) | 0.0307692 |
| 0.381 (10/28/2019) | 0.65 (6/29/2016) | (0.381 - 0.65)/(28 - 14) | -0.0192143 |
| 0.934 (3/31/2020) | 0.65 (6/29/2016) | (0.934 - 0.65)/(29 - 14) | 0.0189333 |
| 0.897 (6/10/2020) | 0.65 (6/29/2016) | (0.897 - 0.65)/(30 - 14) | 0.0154375 |
| 0.281 (9/21/2020) | 0.65 (6/29/2016) | (0.281 - 0.65)/(31 - 14) | -0.0217059 |
| 0.54 (12/17/2020) | 0.65 (6/29/2016) | (0.54 - 0.65)/(32 - 14) | -0.00611111 |
| 0.67 (3/18/2021) | 0.65 (6/29/2016) | (0.67 - 0.65)/(33 - 14) | 0.00105263 |
| 1.06 (5/5/2021) | 0.65 (6/29/2016) | (1.06 - 0.65)/(34 - 14) | 0.0205 |
| 0.935 (9/2/2021) | 0.65 (6/29/2016) | (0.935 - 0.65)/(35 - 14) | 0.0135714 |
| 0.37 (11/23/2021) | 0.65 (6/29/2016) | (0.37 - 0.65)/(36 - 14) | -0.0127273 |
| 0.674 (1/10/2022) | 0.65 (6/29/2016) | (0.674 - 0.65)/(37 - 14) | 0.00104348 |
| 0.566 (4/7/2022) | 0.65 (6/29/2016) | (0.566 - 0.65)/(38 - 14) | -0.0035 |
| 0.723 (8/3/2022) | 0.65 (6/29/2016) | (0.723 - 0.65)/(39 - 14) | 0.00292 |
| 0.406 (11/16/2022) | 0.65 (6/29/2016) | (0.406 - 0.65)/(40 - 14) | -0.00938462 |
| 0.749 (2/13/2023) | 0.65 (6/29/2016) | (0.749 - 0.65)/(41 - 14) | 0.00366667 |
| 0.506 (5/24/2023) | 0.65 (6/29/2016) | (0.506 - 0.65)/(42 - 14) | -0.00514286 |
| 0.903 (8/7/2023) | 0.65 (6/29/2016) | (0.903 - 0.65)/(43 - 14) | 0.00872414 |
| 0.573 (12/12/2023) | 0.65 (6/29/2016) | (0.573 - 0.65)/(44 - 14) | -0.00256667 |
| 1.08 (1/10/2024) | 0.65 (6/29/2016) | (1.08 - 0.65)/(45 - 14) | 0.013871 |
| 0.49 (5/20/2024) | 0.65 (6/29/2016) | (0.49 - 0.65)/(46 - 14) | -0.005 |
| 1.33 (9/16/2024) | 0.65 (6/29/2016) | (1.33 - 0.65)/(47 - 14) | 0.0206061 |
| 0.7 (12/11/2024) | 0.65 (6/29/2016) | (0.7 - 0.65)/(48 - 14) | 0.00147059 |
| 0.551 (2/18/2025) | 0.65 (6/29/2016) | (0.551 - 0.65)/(49 - 14) | -0.00282857 |

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|---|---|---|---|
| 0.71 (12/7/2016) | 0.87 (8/9/2016) | (0.71 - 0.87)/(16 - 15) | -0.16 |
| 0.84 (3/2/2017) | 0.87 (8/9/2016) | (0.84 - 0.87)/(17 - 15) | -0.015 |
| 0.73 (6/21/2017) | 0.87 (8/9/2016) | (0.73 - 0.87)/(18 - 15) | -0.0466667 |
| 0.83 (8/17/2017) | 0.87 (8/9/2016) | (0.83 - 0.87)/(19 - 15) | -0.01 |
| 0.58 (10/26/2017) | 0.87 (8/9/2016) | (0.58 - 0.87)/(20 - 15) | -0.058 |
| ND<0.25 U (3/27/2018) | 0.87 (8/9/2016) | (0.25 - 0.87)/(21 - 15) | -0.103333 |
| 1.01 (6/26/2018) | 0.87 (8/9/2016) | (1.01 - 0.87)/(22 - 15) | 0.02 |
| 0.89 (8/1/2018) | 0.87 (8/9/2016) | (0.89 - 0.87)/(23 - 15) | 0.0025 |
| 0.635 (12/11/2018) | 0.87 (8/9/2016) | (0.635 - 0.87)/(24 - 15) | -0.0261111 |
| 0.414 (4/17/2019) | 0.87 (8/9/2016) | (0.414 - 0.87)/(25 - 15) | -0.0456 |
| 0.928 (6/11/2019) | 0.87 (8/9/2016) | (0.928 - 0.87)/(26 - 15) | 0.00527273 |
| 1.05 (8/28/2019) | 0.87 (8/9/2016) | (1.05 - 0.87)/(27 - 15) | 0.015 |
| 0.381 (10/28/2019) | 0.87 (8/9/2016) | (0.381 - 0.87)/(28 - 15) | -0.0376154 |
| 0.934 (3/31/2020) | 0.87 (8/9/2016) | (0.934 - 0.87)/(29 - 15) | 0.00457143 |
| 0.897 (6/10/2020) | 0.87 (8/9/2016) | (0.897 - 0.87)/(30 - 15) | 0.0018 |
| 0.281 (9/21/2020) | 0.87 (8/9/2016) | (0.281 - 0.87)/(31 - 15) | -0.0368125 |
| 0.54 (12/17/2020) | 0.87 (8/9/2016) | (0.54 - 0.87)/(32 - 15) | -0.0194118 |
| 0.67 (3/18/2021) | 0.87 (8/9/2016) | (0.67 - 0.87)/(33 - 15) | -0.0111111 |
| 1.06 (5/5/2021) | 0.87 (8/9/2016) | (1.06 - 0.87)/(34 - 15) | 0.01 |
| 0.935 (9/2/2021) | 0.87 (8/9/2016) | (0.935 - 0.87)/(35 - 15) | 0.00325 |
| 0.37 (11/23/2021) | 0.87 (8/9/2016) | (0.37 - 0.87)/(36 - 15) | -0.0238095 |
| 0.674 (1/10/2022) | 0.87 (8/9/2016) | (0.674 - 0.87)/(37 - 15) | -0.00890909 |
| 0.566 (4/7/2022) | 0.87 (8/9/2016) | (0.566 - 0.87)/(38 - 15) | -0.0132174 |

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|---|---|---|---|
| 0.723 (8/3/2022) | 0.87 (8/9/2016) | (0.723 - 0.87)/(39 - 15) | -0.006125 |
| 0.406 (11/16/2022) | 0.87 (8/9/2016) | (0.406 - 0.87)/(40 - 15) | -0.01856 |
| 0.749 (2/13/2023) | 0.87 (8/9/2016) | (0.749 - 0.87)/(41 - 15) | -0.00465385 |
| 0.506 (5/24/2023) | 0.87 (8/9/2016) | (0.506 - 0.87)/(42 - 15) | -0.0134815 |
| 0.903 (8/7/2023) | 0.87 (8/9/2016) | (0.903 - 0.87)/(43 - 15) | 0.00117857 |
| 0.573 (12/12/2023) | 0.87 (8/9/2016) | (0.573 - 0.87)/(44 - 15) | -0.0102414 |
| 1.08 (1/10/2024) | 0.87 (8/9/2016) | (1.08 - 0.87)/(45 - 15) | 0.007 |
| 0.49 (5/20/2024) | 0.87 (8/9/2016) | (0.49 - 0.87)/(46 - 15) | -0.0122581 |
| 1.33 (9/16/2024) | 0.87 (8/9/2016) | (1.33 - 0.87)/(47 - 15) | 0.014375 |
| 0.7 (12/11/2024) | 0.87 (8/9/2016) | (0.7 - 0.87)/(48 - 15) | -0.00515152 |
| 0.551 (2/18/2025) | 0.87 (8/9/2016) | (0.551 - 0.87)/(49 - 15) | -0.00938235 |
| | | | |
| 0.84 (3/2/2017) | 0.71 (12/7/2016) | (0.84 - 0.71)/(17 - 16) | 0.13 |
| 0.73 (6/21/2017) | 0.71 (12/7/2016) | (0.73 - 0.71)/(18 - 16) | 0.01 |
| 0.83 (8/17/2017) | 0.71 (12/7/2016) | (0.83 - 0.71)/(19 - 16) | 0.04 |
| 0.58 (10/26/2017) | 0.71 (12/7/2016) | (0.58 - 0.71)/(20 - 16) | -0.0325 |
| ND<0.25 U (3/27/2018) | 0.71 (12/7/2016) | (0.25 - 0.71)/(21 - 16) | -0.092 |
| 1.01 (6/26/2018) | 0.71 (12/7/2016) | (1.01 - 0.71)/(22 - 16) | 0.05 |
| 0.89 (8/1/2018) | 0.71 (12/7/2016) | (0.89 - 0.71)/(23 - 16) | 0.0257143 |
| 0.635 (12/11/2018) | 0.71 (12/7/2016) | (0.635 - 0.71)/(24 - 16) | -0.009375 |
| 0.414 (4/17/2019) | 0.71 (12/7/2016) | (0.414 - 0.71)/(25 - 16) | -0.0328889 |
| 0.928 (6/11/2019) | 0.71 (12/7/2016) | (0.928 - 0.71)/(26 - 16) | 0.0218 |
| 1.05 (8/28/2019) | 0.71 (12/7/2016) | (1.05 - 0.71)/(27 - 16) | 0.0309091 |
| 0.381 (10/28/2019) | 0.71 (12/7/2016) | (0.381 - 0.71)/(28 - 16) | -0.0274167 |
| 0.934 (3/31/2020) | 0.71 (12/7/2016) | (0.934 - 0.71)/(29 - 16) | 0.0172308 |
| 0.897 (6/10/2020) | 0.71 (12/7/2016) | (0.897 - 0.71)/(30 - 16) | 0.0133571 |
| 0.281 (9/21/2020) | 0.71 (12/7/2016) | (0.281 - 0.71)/(31 - 16) | -0.0286 |
| 0.54 (12/17/2020) | 0.71 (12/7/2016) | (0.54 - 0.71)/(32 - 16) | -0.010625 |
| 0.67 (3/18/2021) | 0.71 (12/7/2016) | (0.67 - 0.71)/(33 - 16) | -0.00235294 |
| 1.06 (5/5/2021) | 0.71 (12/7/2016) | (1.06 - 0.71)/(34 - 16) | 0.0194444 |
| 0.935 (9/2/2021) | 0.71 (12/7/2016) | (0.935 - 0.71)/(35 - 16) | 0.0118421 |
| 0.37 (11/23/2021) | 0.71 (12/7/2016) | (0.37 - 0.71)/(36 - 16) | -0.017 |
| 0.674 (1/10/2022) | 0.71 (12/7/2016) | (0.674 - 0.71)/(37 - 16) | -0.00171429 |
| 0.566 (4/7/2022) | 0.71 (12/7/2016) | (0.566 - 0.71)/(38 - 16) | -0.00654545 |
| 0.723 (8/3/2022) | 0.71 (12/7/2016) | (0.723 - 0.71)/(39 - 16) | 0.000565217 |
| 0.406 (11/16/2022) | 0.71 (12/7/2016) | (0.406 - 0.71)/(40 - 16) | -0.0126667 |
| 0.749 (2/13/2023) | 0.71 (12/7/2016) | (0.749 - 0.71)/(41 - 16) | 0.00156 |
| 0.506 (5/24/2023) | 0.71 (12/7/2016) | (0.506 - 0.71)/(42 - 16) | -0.00784615 |
| 0.903 (8/7/2023) | 0.71 (12/7/2016) | (0.903 - 0.71)/(43 - 16) | 0.00714815 |
| 0.573 (12/12/2023) | 0.71 (12/7/2016) | (0.573 - 0.71)/(44 - 16) | -0.00489286 |
| 1.08 (1/10/2024) | 0.71 (12/7/2016) | (1.08 - 0.71)/(45 - 16) | 0.0127586 |
| 0.49 (5/20/2024) | 0.71 (12/7/2016) | (0.49 - 0.71)/(46 - 16) | -0.00733333 |
| 1.33 (9/16/2024) | 0.71 (12/7/2016) | (1.33 - 0.71)/(47 - 16) | 0.02 |
| 0.7 (12/11/2024) | 0.71 (12/7/2016) | (0.7 - 0.71)/(48 - 16) | -0.0003125 |
| 0.551 (2/18/2025) | 0.71 (12/7/2016) | (0.551 - 0.71)/(49 - 16) | -0.00481818 |
| | | | |
| 0.73 (6/21/2017) | 0.84 (3/2/2017) | (0.73 - 0.84)/(18 - 17) | -0.11 |
| 0.83 (8/17/2017) | 0.84 (3/2/2017) | (0.83 - 0.84)/(19 - 17) | -0.005 |
| 0.58 (10/26/2017) | 0.84 (3/2/2017) | (0.58 - 0.84)/(20 - 17) | -0.0866667 |
| ND<0.25 U (3/27/2018) | 0.84 (3/2/2017) | (0.25 - 0.84)/(21 - 17) | -0.1475 |
| 1.01 (6/26/2018) | 0.84 (3/2/2017) | (1.01 - 0.84)/(22 - 17) | 0.034 |
| 0.89 (8/1/2018) | 0.84 (3/2/2017) | (0.89 - 0.84)/(23 - 17) | 0.00833333 |
| 0.635 (12/11/2018) | 0.84 (3/2/2017) | (0.635 - 0.84)/(24 - 17) | -0.0292857 |
| 0.414 (4/17/2019) | 0.84 (3/2/2017) | (0.414 - 0.84)/(25 - 17) | -0.05325 |
| 0.928 (6/11/2019) | 0.84 (3/2/2017) | (0.928 - 0.84)/(26 - 17) | 0.00977778 |
| 1.05 (8/28/2019) | 0.84 (3/2/2017) | (1.05 - 0.84)/(27 - 17) | 0.021 |
| 0.381 (10/28/2019) | 0.84 (3/2/2017) | (0.381 - 0.84)/(28 - 17) | -0.0417273 |

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|---|---|---|---|
| 0.934 (3/31/2020) | 0.84 (3/2/2017) | (0.934 - 0.84)/(29 - 17) | 0.00783333 |
| 0.897 (6/10/2020) | 0.84 (3/2/2017) | (0.897 - 0.84)/(30 - 17) | 0.00438462 |
| 0.281 (9/21/2020) | 0.84 (3/2/2017) | (0.281 - 0.84)/(31 - 17) | -0.0399286 |
| 0.54 (12/17/2020) | 0.84 (3/2/2017) | (0.54 - 0.84)/(32 - 17) | -0.02 |
| 0.67 (3/18/2021) | 0.84 (3/2/2017) | (0.67 - 0.84)/(33 - 17) | -0.010625 |
| 1.06 (5/5/2021) | 0.84 (3/2/2017) | (1.06 - 0.84)/(34 - 17) | 0.0129412 |
| 0.935 (9/2/2021) | 0.84 (3/2/2017) | (0.935 - 0.84)/(35 - 17) | 0.00527778 |
| 0.37 (11/23/2021) | 0.84 (3/2/2017) | (0.37 - 0.84)/(36 - 17) | -0.0247368 |
| 0.674 (1/10/2022) | 0.84 (3/2/2017) | (0.674 - 0.84)/(37 - 17) | -0.0083 |
| 0.566 (4/7/2022) | 0.84 (3/2/2017) | (0.566 - 0.84)/(38 - 17) | -0.0130476 |
| 0.723 (8/3/2022) | 0.84 (3/2/2017) | (0.723 - 0.84)/(39 - 17) | -0.00531818 |
| 0.406 (11/16/2022) | 0.84 (3/2/2017) | (0.406 - 0.84)/(40 - 17) | -0.0188696 |
| 0.749 (2/13/2023) | 0.84 (3/2/2017) | (0.749 - 0.84)/(41 - 17) | -0.00379167 |
| 0.506 (5/24/2023) | 0.84 (3/2/2017) | (0.506 - 0.84)/(42 - 17) | -0.01336 |
| 0.903 (8/7/2023) | 0.84 (3/2/2017) | (0.903 - 0.84)/(43 - 17) | 0.00242308 |
| 0.573 (12/12/2023) | 0.84 (3/2/2017) | (0.573 - 0.84)/(44 - 17) | -0.00988889 |
| 1.08 (1/10/2024) | 0.84 (3/2/2017) | (1.08 - 0.84)/(45 - 17) | 0.00857143 |
| 0.49 (5/20/2024) | 0.84 (3/2/2017) | (0.49 - 0.84)/(46 - 17) | -0.012069 |
| 1.33 (9/16/2024) | 0.84 (3/2/2017) | (1.33 - 0.84)/(47 - 17) | 0.0163333 |
| 0.7 (12/11/2024) | 0.84 (3/2/2017) | (0.7 - 0.84)/(48 - 17) | -0.00451613 |
| 0.551 (2/18/2025) | 0.84 (3/2/2017) | (0.551 - 0.84)/(49 - 17) | -0.00903125 |
| | | | |
| 0.83 (8/17/2017) | 0.73 (6/21/2017) | (0.83 - 0.73)/(19 - 18) | 0.1 |
| 0.58 (10/26/2017) | 0.73 (6/21/2017) | (0.58 - 0.73)/(20 - 18) | -0.075 |
| ND<0.25 U (3/27/2018) | 0.73 (6/21/2017) | (0.25 - 0.73)/(21 - 18) | -0.16 |
| 1.01 (6/26/2018) | 0.73 (6/21/2017) | (1.01 - 0.73)/(22 - 18) | 0.07 |
| 0.89 (8/1/2018) | 0.73 (6/21/2017) | (0.89 - 0.73)/(23 - 18) | 0.032 |
| 0.635 (12/11/2018) | 0.73 (6/21/2017) | (0.635 - 0.73)/(24 - 18) | -0.0158333 |
| 0.414 (4/17/2019) | 0.73 (6/21/2017) | (0.414 - 0.73)/(25 - 18) | -0.0451429 |
| 0.928 (6/11/2019) | 0.73 (6/21/2017) | (0.928 - 0.73)/(26 - 18) | 0.02475 |
| 1.05 (8/28/2019) | 0.73 (6/21/2017) | (1.05 - 0.73)/(27 - 18) | 0.0355556 |
| 0.381 (10/28/2019) | 0.73 (6/21/2017) | (0.381 - 0.73)/(28 - 18) | -0.0349 |
| 0.934 (3/31/2020) | 0.73 (6/21/2017) | (0.934 - 0.73)/(29 - 18) | 0.0185455 |
| 0.897 (6/10/2020) | 0.73 (6/21/2017) | (0.897 - 0.73)/(30 - 18) | 0.0139167 |
| 0.281 (9/21/2020) | 0.73 (6/21/2017) | (0.281 - 0.73)/(31 - 18) | -0.0345385 |
| 0.54 (12/17/2020) | 0.73 (6/21/2017) | (0.54 - 0.73)/(32 - 18) | -0.0135714 |
| 0.67 (3/18/2021) | 0.73 (6/21/2017) | (0.67 - 0.73)/(33 - 18) | -0.004 |
| 1.06 (5/5/2021) | 0.73 (6/21/2017) | (1.06 - 0.73)/(34 - 18) | 0.020625 |
| 0.935 (9/2/2021) | 0.73 (6/21/2017) | (0.935 - 0.73)/(35 - 18) | 0.0120588 |
| 0.37 (11/23/2021) | 0.73 (6/21/2017) | (0.37 - 0.73)/(36 - 18) | -0.02 |
| 0.674 (1/10/2022) | 0.73 (6/21/2017) | (0.674 - 0.73)/(37 - 18) | -0.00294737 |
| 0.566 (4/7/2022) | 0.73 (6/21/2017) | (0.566 - 0.73)/(38 - 18) | -0.0082 |
| 0.723 (8/3/2022) | 0.73 (6/21/2017) | (0.723 - 0.73)/(39 - 18) | -0.000333333 |
| 0.406 (11/16/2022) | 0.73 (6/21/2017) | (0.406 - 0.73)/(40 - 18) | -0.0147273 |
| 0.749 (2/13/2023) | 0.73 (6/21/2017) | (0.749 - 0.73)/(41 - 18) | 0.000826087 |
| 0.506 (5/24/2023) | 0.73 (6/21/2017) | (0.506 - 0.73)/(42 - 18) | -0.00933333 |
| 0.903 (8/7/2023) | 0.73 (6/21/2017) | (0.903 - 0.73)/(43 - 18) | 0.00692 |
| 0.573 (12/12/2023) | 0.73 (6/21/2017) | (0.573 - 0.73)/(44 - 18) | -0.00603846 |
| 1.08 (1/10/2024) | 0.73 (6/21/2017) | (1.08 - 0.73)/(45 - 18) | 0.012963 |
| 0.49 (5/20/2024) | 0.73 (6/21/2017) | (0.49 - 0.73)/(46 - 18) | -0.00857143 |
| 1.33 (9/16/2024) | 0.73 (6/21/2017) | (1.33 - 0.73)/(47 - 18) | 0.0206897 |
| 0.7 (12/11/2024) | 0.73 (6/21/2017) | (0.7 - 0.73)/(48 - 18) | -0.001 |
| 0.551 (2/18/2025) | 0.73 (6/21/2017) | (0.551 - 0.73)/(49 - 18) | -0.00577419 |
| | | | |
| 0.58 (10/26/2017) | 0.83 (8/17/2017) | (0.58 - 0.83)/(20 - 19) | -0.25 |
| ND<0.25 U (3/27/2018) | 0.83 (8/17/2017) | (0.25 - 0.83)/(21 - 19) | -0.29 |
| 1.01 (6/26/2018) | 0.83 (8/17/2017) | (1.01 - 0.83)/(22 - 19) | 0.06 |

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|---|---|---|---|
| 0.89 (8/1/2018) | 0.83 (8/17/2017) | (0.89 - 0.83)/(23 - 19) | 0.015 |
| 0.635 (12/11/2018) | 0.83 (8/17/2017) | (0.635 - 0.83)/(24 - 19) | -0.039 |
| 0.414 (4/17/2019) | 0.83 (8/17/2017) | (0.414 - 0.83)/(25 - 19) | -0.0693333 |
| 0.928 (6/11/2019) | 0.83 (8/17/2017) | (0.928 - 0.83)/(26 - 19) | 0.014 |
| 1.05 (8/28/2019) | 0.83 (8/17/2017) | (1.05 - 0.83)/(27 - 19) | 0.0275 |
| 0.381 (10/28/2019) | 0.83 (8/17/2017) | (0.381 - 0.83)/(28 - 19) | -0.0498889 |
| 0.934 (3/31/2020) | 0.83 (8/17/2017) | (0.934 - 0.83)/(29 - 19) | 0.0104 |
| 0.897 (6/10/2020) | 0.83 (8/17/2017) | (0.897 - 0.83)/(30 - 19) | 0.00609091 |
| 0.281 (9/21/2020) | 0.83 (8/17/2017) | (0.281 - 0.83)/(31 - 19) | -0.04575 |
| 0.54 (12/17/2020) | 0.83 (8/17/2017) | (0.54 - 0.83)/(32 - 19) | -0.0223077 |
| 0.67 (3/18/2021) | 0.83 (8/17/2017) | (0.67 - 0.83)/(33 - 19) | -0.0114286 |
| 1.06 (5/5/2021) | 0.83 (8/17/2017) | (1.06 - 0.83)/(34 - 19) | 0.0153333 |
| 0.935 (9/2/2021) | 0.83 (8/17/2017) | (0.935 - 0.83)/(35 - 19) | 0.0065625 |
| 0.37 (11/23/2021) | 0.83 (8/17/2017) | (0.37 - 0.83)/(36 - 19) | -0.0270588 |
| 0.674 (1/10/2022) | 0.83 (8/17/2017) | (0.674 - 0.83)/(37 - 19) | -0.00866667 |
| 0.566 (4/7/2022) | 0.83 (8/17/2017) | (0.566 - 0.83)/(38 - 19) | -0.0138947 |
| 0.723 (8/3/2022) | 0.83 (8/17/2017) | (0.723 - 0.83)/(39 - 19) | -0.00535 |
| 0.406 (11/16/2022) | 0.83 (8/17/2017) | (0.406 - 0.83)/(40 - 19) | -0.0201905 |
| 0.749 (2/13/2023) | 0.83 (8/17/2017) | (0.749 - 0.83)/(41 - 19) | -0.00368182 |
| 0.506 (5/24/2023) | 0.83 (8/17/2017) | (0.506 - 0.83)/(42 - 19) | -0.014087 |
| 0.903 (8/7/2023) | 0.83 (8/17/2017) | (0.903 - 0.83)/(43 - 19) | 0.00304167 |
| 0.573 (12/12/2023) | 0.83 (8/17/2017) | (0.573 - 0.83)/(44 - 19) | -0.01028 |
| 1.08 (1/10/2024) | 0.83 (8/17/2017) | (1.08 - 0.83)/(45 - 19) | 0.00961538 |
| 0.49 (5/20/2024) | 0.83 (8/17/2017) | (0.49 - 0.83)/(46 - 19) | -0.0125926 |
| 1.33 (9/16/2024) | 0.83 (8/17/2017) | (1.33 - 0.83)/(47 - 19) | 0.0178571 |
| 0.7 (12/11/2024) | 0.83 (8/17/2017) | (0.7 - 0.83)/(48 - 19) | -0.00448276 |
| 0.551 (2/18/2025) | 0.83 (8/17/2017) | (0.551 - 0.83)/(49 - 19) | -0.0093 |
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| ND<0.25 U (3/27/2018) | 0.58 (10/26/2017) | (0.25 - 0.58)/(21 - 20) | -0.33 |
| 1.01 (6/26/2018) | 0.58 (10/26/2017) | (1.01 - 0.58)/(22 - 20) | 0.215 |
| 0.89 (8/1/2018) | 0.58 (10/26/2017) | (0.89 - 0.58)/(23 - 20) | 0.103333 |
| 0.635 (12/11/2018) | 0.58 (10/26/2017) | (0.635 - 0.58)/(24 - 20) | 0.01375 |
| 0.414 (4/17/2019) | 0.58 (10/26/2017) | (0.414 - 0.58)/(25 - 20) | -0.0332 |
| 0.928 (6/11/2019) | 0.58 (10/26/2017) | (0.928 - 0.58)/(26 - 20) | 0.058 |
| 1.05 (8/28/2019) | 0.58 (10/26/2017) | (1.05 - 0.58)/(27 - 20) | 0.0671429 |
| 0.381 (10/28/2019) | 0.58 (10/26/2017) | (0.381 - 0.58)/(28 - 20) | -0.024875 |
| 0.934 (3/31/2020) | 0.58 (10/26/2017) | (0.934 - 0.58)/(29 - 20) | 0.0393333 |
| 0.897 (6/10/2020) | 0.58 (10/26/2017) | (0.897 - 0.58)/(30 - 20) | 0.0317 |
| 0.281 (9/21/2020) | 0.58 (10/26/2017) | (0.281 - 0.58)/(31 - 20) | -0.0271818 |
| 0.54 (12/17/2020) | 0.58 (10/26/2017) | (0.54 - 0.58)/(32 - 20) | -0.00333333 |
| 0.67 (3/18/2021) | 0.58 (10/26/2017) | (0.67 - 0.58)/(33 - 20) | 0.00692308 |
| 1.06 (5/5/2021) | 0.58 (10/26/2017) | (1.06 - 0.58)/(34 - 20) | 0.0342857 |
| 0.935 (9/2/2021) | 0.58 (10/26/2017) | (0.935 - 0.58)/(35 - 20) | 0.0236667 |
| 0.37 (11/23/2021) | 0.58 (10/26/2017) | (0.37 - 0.58)/(36 - 20) | -0.013125 |
| 0.674 (1/10/2022) | 0.58 (10/26/2017) | (0.674 - 0.58)/(37 - 20) | 0.00552941 |
| 0.566 (4/7/2022) | 0.58 (10/26/2017) | (0.566 - 0.58)/(38 - 20) | -0.000777778 |
| 0.723 (8/3/2022) | 0.58 (10/26/2017) | (0.723 - 0.58)/(39 - 20) | 0.00752632 |
| 0.406 (11/16/2022) | 0.58 (10/26/2017) | (0.406 - 0.58)/(40 - 20) | -0.0087 |
| 0.749 (2/13/2023) | 0.58 (10/26/2017) | (0.749 - 0.58)/(41 - 20) | 0.00804762 |
| 0.506 (5/24/2023) | 0.58 (10/26/2017) | (0.506 - 0.58)/(42 - 20) | -0.00336364 |
| 0.903 (8/7/2023) | 0.58 (10/26/2017) | (0.903 - 0.58)/(43 - 20) | 0.0140435 |
| 0.573 (12/12/2023) | 0.58 (10/26/2017) | (0.573 - 0.58)/(44 - 20) | -0.000291667 |
| 1.08 (1/10/2024) | 0.58 (10/26/2017) | (1.08 - 0.58)/(45 - 20) | 0.02 |
| 0.49 (5/20/2024) | 0.58 (10/26/2017) | (0.49 - 0.58)/(46 - 20) | -0.00346154 |
| 1.33 (9/16/2024) | 0.58 (10/26/2017) | (1.33 - 0.58)/(47 - 20) | 0.0277778 |
| 0.7 (12/11/2024) | 0.58 (10/26/2017) | (0.7 - 0.58)/(48 - 20) | 0.00428571 |
| 0.551 (2/18/2025) | 0.58 (10/26/2017) | (0.551 - 0.58)/(49 - 20) | -0.001 |

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|---|---|---|---|
| 1.01 (6/26/2018) | ND<0.25 U (3/27/2018) | (1.01 - 0.25)/(22 - 21) | 0.76 |
| 0.89 (8/1/2018) | ND<0.25 U (3/27/2018) | (0.89 - 0.25)/(23 - 21) | 0.32 |
| 0.635 (12/11/2018) | ND<0.25 U (3/27/2018) | (0.635 - 0.25)/(24 - 21) | 0.128333 |
| 0.414 (4/17/2019) | ND<0.25 U (3/27/2018) | (0.414 - 0.25)/(25 - 21) | 0.041 |
| 0.928 (6/11/2019) | ND<0.25 U (3/27/2018) | (0.928 - 0.25)/(26 - 21) | 0.1356 |
| 1.05 (8/28/2019) | ND<0.25 U (3/27/2018) | (1.05 - 0.25)/(27 - 21) | 0.133333 |
| 0.381 (10/28/2019) | ND<0.25 U (3/27/2018) | (0.381 - 0.25)/(28 - 21) | 0.0187143 |
| 0.934 (3/31/2020) | ND<0.25 U (3/27/2018) | (0.934 - 0.25)/(29 - 21) | 0.0855 |
| 0.897 (6/10/2020) | ND<0.25 U (3/27/2018) | (0.897 - 0.25)/(30 - 21) | 0.0718889 |
| 0.281 (9/21/2020) | ND<0.25 U (3/27/2018) | (0.281 - 0.25)/(31 - 21) | 0.0031 |
| 0.54 (12/17/2020) | ND<0.25 U (3/27/2018) | (0.54 - 0.25)/(32 - 21) | 0.0263636 |
| 0.67 (3/18/2021) | ND<0.25 U (3/27/2018) | (0.67 - 0.25)/(33 - 21) | 0.035 |
| 1.06 (5/5/2021) | ND<0.25 U (3/27/2018) | (1.06 - 0.25)/(34 - 21) | 0.0623077 |
| 0.935 (9/2/2021) | ND<0.25 U (3/27/2018) | (0.935 - 0.25)/(35 - 21) | 0.0489286 |
| 0.37 (11/23/2021) | ND<0.25 U (3/27/2018) | (0.37 - 0.25)/(36 - 21) | 0.008 |
| 0.674 (1/10/2022) | ND<0.25 U (3/27/2018) | (0.674 - 0.25)/(37 - 21) | 0.0265 |
| 0.566 (4/7/2022) | ND<0.25 U (3/27/2018) | (0.566 - 0.25)/(38 - 21) | 0.0185882 |
| 0.723 (8/3/2022) | ND<0.25 U (3/27/2018) | (0.723 - 0.25)/(39 - 21) | 0.0262778 |
| 0.406 (11/16/2022) | ND<0.25 U (3/27/2018) | (0.406 - 0.25)/(40 - 21) | 0.00821053 |
| 0.749 (2/13/2023) | ND<0.25 U (3/27/2018) | (0.749 - 0.25)/(41 - 21) | 0.02495 |
| 0.506 (5/24/2023) | ND<0.25 U (3/27/2018) | (0.506 - 0.25)/(42 - 21) | 0.0121905 |
| 0.903 (8/7/2023) | ND<0.25 U (3/27/2018) | (0.903 - 0.25)/(43 - 21) | 0.0296818 |
| 0.573 (12/12/2023) | ND<0.25 U (3/27/2018) | (0.573 - 0.25)/(44 - 21) | 0.0140435 |
| 1.08 (1/10/2024) | ND<0.25 U (3/27/2018) | (1.08 - 0.25)/(45 - 21) | 0.0345833 |
| 0.49 (5/20/2024) | ND<0.25 U (3/27/2018) | (0.49 - 0.25)/(46 - 21) | 0.0096 |
| 1.33 (9/16/2024) | ND<0.25 U (3/27/2018) | (1.33 - 0.25)/(47 - 21) | 0.0415385 |
| 0.7 (12/11/2024) | ND<0.25 U (3/27/2018) | (0.7 - 0.25)/(48 - 21) | 0.0166667 |
| 0.551 (2/18/2025) | ND<0.25 U (3/27/2018) | (0.551 - 0.25)/(49 - 21) | 0.01075 |

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|---|---|---|---|
| 0.89 (8/1/2018) | 1.01 (6/26/2018) | (0.89 - 1.01)/(23 - 22) | -0.12 |
| 0.635 (12/11/2018) | 1.01 (6/26/2018) | (0.635 - 1.01)/(24 - 22) | -0.1875 |
| 0.414 (4/17/2019) | 1.01 (6/26/2018) | (0.414 - 1.01)/(25 - 22) | -0.198667 |
| 0.928 (6/11/2019) | 1.01 (6/26/2018) | (0.928 - 1.01)/(26 - 22) | -0.0205 |
| 1.05 (8/28/2019) | 1.01 (6/26/2018) | (1.05 - 1.01)/(27 - 22) | 0.008 |
| 0.381 (10/28/2019) | 1.01 (6/26/2018) | (0.381 - 1.01)/(28 - 22) | -0.104833 |
| 0.934 (3/31/2020) | 1.01 (6/26/2018) | (0.934 - 1.01)/(29 - 22) | -0.0108571 |
| 0.897 (6/10/2020) | 1.01 (6/26/2018) | (0.897 - 1.01)/(30 - 22) | -0.014125 |
| 0.281 (9/21/2020) | 1.01 (6/26/2018) | (0.281 - 1.01)/(31 - 22) | -0.081 |
| 0.54 (12/17/2020) | 1.01 (6/26/2018) | (0.54 - 1.01)/(32 - 22) | -0.047 |
| 0.67 (3/18/2021) | 1.01 (6/26/2018) | (0.67 - 1.01)/(33 - 22) | -0.0309091 |
| 1.06 (5/5/2021) | 1.01 (6/26/2018) | (1.06 - 1.01)/(34 - 22) | 0.00416667 |
| 0.935 (9/2/2021) | 1.01 (6/26/2018) | (0.935 - 1.01)/(35 - 22) | -0.00576923 |
| 0.37 (11/23/2021) | 1.01 (6/26/2018) | (0.37 - 1.01)/(36 - 22) | -0.0457143 |
| 0.674 (1/10/2022) | 1.01 (6/26/2018) | (0.674 - 1.01)/(37 - 22) | -0.0224 |
| 0.566 (4/7/2022) | 1.01 (6/26/2018) | (0.566 - 1.01)/(38 - 22) | -0.02775 |
| 0.723 (8/3/2022) | 1.01 (6/26/2018) | (0.723 - 1.01)/(39 - 22) | -0.0168824 |
| 0.406 (11/16/2022) | 1.01 (6/26/2018) | (0.406 - 1.01)/(40 - 22) | -0.0335556 |
| 0.749 (2/13/2023) | 1.01 (6/26/2018) | (0.749 - 1.01)/(41 - 22) | -0.0137368 |
| 0.506 (5/24/2023) | 1.01 (6/26/2018) | (0.506 - 1.01)/(42 - 22) | -0.0252 |
| 0.903 (8/7/2023) | 1.01 (6/26/2018) | (0.903 - 1.01)/(43 - 22) | -0.00509524 |
| 0.573 (12/12/2023) | 1.01 (6/26/2018) | (0.573 - 1.01)/(44 - 22) | -0.0198636 |
| 1.08 (1/10/2024) | 1.01 (6/26/2018) | (1.08 - 1.01)/(45 - 22) | 0.00304348 |
| 0.49 (5/20/2024) | 1.01 (6/26/2018) | (0.49 - 1.01)/(46 - 22) | -0.0216667 |
| 1.33 (9/16/2024) | 1.01 (6/26/2018) | (1.33 - 1.01)/(47 - 22) | 0.0128 |
| 0.7 (12/11/2024) | 1.01 (6/26/2018) | (0.7 - 1.01)/(48 - 22) | -0.0119231 |
| 0.551 (2/18/2025) | 1.01 (6/26/2018) | (0.551 - 1.01)/(49 - 22) | -0.017 |

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|---|---|---|---|
| 0.635 (12/11/2018) | 0.89 (8/1/2018) | (0.635 - 0.89)/(24 - 23) | -0.255 |
| 0.414 (4/17/2019) | 0.89 (8/1/2018) | (0.414 - 0.89)/(25 - 23) | -0.238 |
| 0.928 (6/11/2019) | 0.89 (8/1/2018) | (0.928 - 0.89)/(26 - 23) | 0.0126667 |
| 1.05 (8/28/2019) | 0.89 (8/1/2018) | (1.05 - 0.89)/(27 - 23) | 0.04 |
| 0.381 (10/28/2019) | 0.89 (8/1/2018) | (0.381 - 0.89)/(28 - 23) | -0.1018 |
| 0.934 (3/31/2020) | 0.89 (8/1/2018) | (0.934 - 0.89)/(29 - 23) | 0.00733333 |
| 0.897 (6/10/2020) | 0.89 (8/1/2018) | (0.897 - 0.89)/(30 - 23) | 0.001 |
| 0.281 (9/21/2020) | 0.89 (8/1/2018) | (0.281 - 0.89)/(31 - 23) | -0.076125 |
| 0.54 (12/17/2020) | 0.89 (8/1/2018) | (0.54 - 0.89)/(32 - 23) | -0.0388889 |
| 0.67 (3/18/2021) | 0.89 (8/1/2018) | (0.67 - 0.89)/(33 - 23) | -0.022 |
| 1.06 (5/5/2021) | 0.89 (8/1/2018) | (1.06 - 0.89)/(34 - 23) | 0.0154545 |
| 0.935 (9/2/2021) | 0.89 (8/1/2018) | (0.935 - 0.89)/(35 - 23) | 0.00375 |
| 0.37 (11/23/2021) | 0.89 (8/1/2018) | (0.37 - 0.89)/(36 - 23) | -0.04 |
| 0.674 (1/10/2022) | 0.89 (8/1/2018) | (0.674 - 0.89)/(37 - 23) | -0.0154286 |
| 0.566 (4/7/2022) | 0.89 (8/1/2018) | (0.566 - 0.89)/(38 - 23) | -0.0216 |
| 0.723 (8/3/2022) | 0.89 (8/1/2018) | (0.723 - 0.89)/(39 - 23) | -0.0104375 |
| 0.406 (11/16/2022) | 0.89 (8/1/2018) | (0.406 - 0.89)/(40 - 23) | -0.0284706 |
| 0.749 (2/13/2023) | 0.89 (8/1/2018) | (0.749 - 0.89)/(41 - 23) | -0.00783333 |
| 0.506 (5/24/2023) | 0.89 (8/1/2018) | (0.506 - 0.89)/(42 - 23) | -0.0202105 |
| 0.903 (8/7/2023) | 0.89 (8/1/2018) | (0.903 - 0.89)/(43 - 23) | 0.00065 |
| 0.573 (12/12/2023) | 0.89 (8/1/2018) | (0.573 - 0.89)/(44 - 23) | -0.0150952 |
| 1.08 (1/10/2024) | 0.89 (8/1/2018) | (1.08 - 0.89)/(45 - 23) | 0.00863636 |
| 0.49 (5/20/2024) | 0.89 (8/1/2018) | (0.49 - 0.89)/(46 - 23) | -0.0173913 |
| 1.33 (9/16/2024) | 0.89 (8/1/2018) | (1.33 - 0.89)/(47 - 23) | 0.0183333 |
| 0.7 (12/11/2024) | 0.89 (8/1/2018) | (0.7 - 0.89)/(48 - 23) | -0.0076 |
| 0.551 (2/18/2025) | 0.89 (8/1/2018) | (0.551 - 0.89)/(49 - 23) | -0.0130385 |
| | | | |
| 0.414 (4/17/2019) | 0.635 (12/11/2018) | (0.414 - 0.635)/(25 - 24) | -0.221 |
| 0.928 (6/11/2019) | 0.635 (12/11/2018) | (0.928 - 0.635)/(26 - 24) | 0.1465 |
| 1.05 (8/28/2019) | 0.635 (12/11/2018) | (1.05 - 0.635)/(27 - 24) | 0.138333 |
| 0.381 (10/28/2019) | 0.635 (12/11/2018) | (0.381 - 0.635)/(28 - 24) | -0.0635 |
| 0.934 (3/31/2020) | 0.635 (12/11/2018) | (0.934 - 0.635)/(29 - 24) | 0.0598 |
| 0.897 (6/10/2020) | 0.635 (12/11/2018) | (0.897 - 0.635)/(30 - 24) | 0.0436667 |
| 0.281 (9/21/2020) | 0.635 (12/11/2018) | (0.281 - 0.635)/(31 - 24) | -0.0505714 |
| 0.54 (12/17/2020) | 0.635 (12/11/2018) | (0.54 - 0.635)/(32 - 24) | -0.011875 |
| 0.67 (3/18/2021) | 0.635 (12/11/2018) | (0.67 - 0.635)/(33 - 24) | 0.00388889 |
| 1.06 (5/5/2021) | 0.635 (12/11/2018) | (1.06 - 0.635)/(34 - 24) | 0.0425 |
| 0.935 (9/2/2021) | 0.635 (12/11/2018) | (0.935 - 0.635)/(35 - 24) | 0.0272727 |
| 0.37 (11/23/2021) | 0.635 (12/11/2018) | (0.37 - 0.635)/(36 - 24) | -0.0220833 |
| 0.674 (1/10/2022) | 0.635 (12/11/2018) | (0.674 - 0.635)/(37 - 24) | 0.003 |
| 0.566 (4/7/2022) | 0.635 (12/11/2018) | (0.566 - 0.635)/(38 - 24) | -0.00492857 |
| 0.723 (8/3/2022) | 0.635 (12/11/2018) | (0.723 - 0.635)/(39 - 24) | 0.00586667 |
| 0.406 (11/16/2022) | 0.635 (12/11/2018) | (0.406 - 0.635)/(40 - 24) | -0.0143125 |
| 0.749 (2/13/2023) | 0.635 (12/11/2018) | (0.749 - 0.635)/(41 - 24) | 0.00670588 |
| 0.506 (5/24/2023) | 0.635 (12/11/2018) | (0.506 - 0.635)/(42 - 24) | -0.00716667 |
| 0.903 (8/7/2023) | 0.635 (12/11/2018) | (0.903 - 0.635)/(43 - 24) | 0.0141053 |
| 0.573 (12/12/2023) | 0.635 (12/11/2018) | (0.573 - 0.635)/(44 - 24) | -0.0031 |
| 1.08 (1/10/2024) | 0.635 (12/11/2018) | (1.08 - 0.635)/(45 - 24) | 0.0211905 |
| 0.49 (5/20/2024) | 0.635 (12/11/2018) | (0.49 - 0.635)/(46 - 24) | -0.00659091 |
| 1.33 (9/16/2024) | 0.635 (12/11/2018) | (1.33 - 0.635)/(47 - 24) | 0.0302174 |
| 0.7 (12/11/2024) | 0.635 (12/11/2018) | (0.7 - 0.635)/(48 - 24) | 0.00270833 |
| 0.551 (2/18/2025) | 0.635 (12/11/2018) | (0.551 - 0.635)/(49 - 24) | -0.00336 |
| | | | |
| 0.928 (6/11/2019) | 0.414 (4/17/2019) | (0.928 - 0.414)/(26 - 25) | 0.514 |
| 1.05 (8/28/2019) | 0.414 (4/17/2019) | (1.05 - 0.414)/(27 - 25) | 0.318 |
| 0.381 (10/28/2019) | 0.414 (4/17/2019) | (0.381 - 0.414)/(28 - 25) | -0.011 |

| | | | |
|---|---|---|---|
| 0.934 (3/31/2020) | 0.414 (4/17/2019) | (0.934 - 0.414)/(29 - 25) | 0.13 |
| 0.897 (6/10/2020) | 0.414 (4/17/2019) | (0.897 - 0.414)/(30 - 25) | 0.0966 |
| 0.281 (9/21/2020) | 0.414 (4/17/2019) | (0.281 - 0.414)/(31 - 25) | -0.0221667 |
| 0.54 (12/17/2020) | 0.414 (4/17/2019) | (0.54 - 0.414)/(32 - 25) | 0.018 |
| 0.67 (3/18/2021) | 0.414 (4/17/2019) | (0.67 - 0.414)/(33 - 25) | 0.032 |
| 1.06 (5/5/2021) | 0.414 (4/17/2019) | (1.06 - 0.414)/(34 - 25) | 0.0717778 |
| 0.935 (9/2/2021) | 0.414 (4/17/2019) | (0.935 - 0.414)/(35 - 25) | 0.0521 |
| 0.37 (11/23/2021) | 0.414 (4/17/2019) | (0.37 - 0.414)/(36 - 25) | -0.004 |
| 0.674 (1/10/2022) | 0.414 (4/17/2019) | (0.674 - 0.414)/(37 - 25) | 0.0216667 |
| 0.566 (4/7/2022) | 0.414 (4/17/2019) | (0.566 - 0.414)/(38 - 25) | 0.0116923 |
| 0.723 (8/3/2022) | 0.414 (4/17/2019) | (0.723 - 0.414)/(39 - 25) | 0.0220714 |
| 0.406 (11/16/2022) | 0.414 (4/17/2019) | (0.406 - 0.414)/(40 - 25) | -0.000533333 |
| 0.749 (2/13/2023) | 0.414 (4/17/2019) | (0.749 - 0.414)/(41 - 25) | 0.0209375 |
| 0.506 (5/24/2023) | 0.414 (4/17/2019) | (0.506 - 0.414)/(42 - 25) | 0.00541176 |
| 0.903 (8/7/2023) | 0.414 (4/17/2019) | (0.903 - 0.414)/(43 - 25) | 0.0271667 |
| 0.573 (12/12/2023) | 0.414 (4/17/2019) | (0.573 - 0.414)/(44 - 25) | 0.00836842 |
| 1.08 (1/10/2024) | 0.414 (4/17/2019) | (1.08 - 0.414)/(45 - 25) | 0.0333 |
| 0.49 (5/20/2024) | 0.414 (4/17/2019) | (0.49 - 0.414)/(46 - 25) | 0.00361905 |
| 1.33 (9/16/2024) | 0.414 (4/17/2019) | (1.33 - 0.414)/(47 - 25) | 0.0416364 |
| 0.7 (12/11/2024) | 0.414 (4/17/2019) | (0.7 - 0.414)/(48 - 25) | 0.0124348 |
| 0.551 (2/18/2025) | 0.414 (4/17/2019) | (0.551 - 0.414)/(49 - 25) | 0.00570833 |
| | | | |
| 1.05 (8/28/2019) | 0.928 (6/11/2019) | (1.05 - 0.928)/(27 - 26) | 0.122 |
| 0.381 (10/28/2019) | 0.928 (6/11/2019) | (0.381 - 0.928)/(28 - 26) | -0.2735 |
| 0.934 (3/31/2020) | 0.928 (6/11/2019) | (0.934 - 0.928)/(29 - 26) | 0.002 |
| 0.897 (6/10/2020) | 0.928 (6/11/2019) | (0.897 - 0.928)/(30 - 26) | -0.00775 |
| 0.281 (9/21/2020) | 0.928 (6/11/2019) | (0.281 - 0.928)/(31 - 26) | -0.1294 |
| 0.54 (12/17/2020) | 0.928 (6/11/2019) | (0.54 - 0.928)/(32 - 26) | -0.0646667 |
| 0.67 (3/18/2021) | 0.928 (6/11/2019) | (0.67 - 0.928)/(33 - 26) | -0.0368571 |
| 1.06 (5/5/2021) | 0.928 (6/11/2019) | (1.06 - 0.928)/(34 - 26) | 0.0165 |
| 0.935 (9/2/2021) | 0.928 (6/11/2019) | (0.935 - 0.928)/(35 - 26) | 0.000777778 |
| 0.37 (11/23/2021) | 0.928 (6/11/2019) | (0.37 - 0.928)/(36 - 26) | -0.0558 |
| 0.674 (1/10/2022) | 0.928 (6/11/2019) | (0.674 - 0.928)/(37 - 26) | -0.0230909 |
| 0.566 (4/7/2022) | 0.928 (6/11/2019) | (0.566 - 0.928)/(38 - 26) | -0.0301667 |
| 0.723 (8/3/2022) | 0.928 (6/11/2019) | (0.723 - 0.928)/(39 - 26) | -0.0157692 |
| 0.406 (11/16/2022) | 0.928 (6/11/2019) | (0.406 - 0.928)/(40 - 26) | -0.0372857 |
| 0.749 (2/13/2023) | 0.928 (6/11/2019) | (0.749 - 0.928)/(41 - 26) | -0.0119333 |
| 0.506 (5/24/2023) | 0.928 (6/11/2019) | (0.506 - 0.928)/(42 - 26) | -0.026375 |
| 0.903 (8/7/2023) | 0.928 (6/11/2019) | (0.903 - 0.928)/(43 - 26) | -0.00147059 |
| 0.573 (12/12/2023) | 0.928 (6/11/2019) | (0.573 - 0.928)/(44 - 26) | -0.0197222 |
| 1.08 (1/10/2024) | 0.928 (6/11/2019) | (1.08 - 0.928)/(45 - 26) | 0.008 |
| 0.49 (5/20/2024) | 0.928 (6/11/2019) | (0.49 - 0.928)/(46 - 26) | -0.0219 |
| 1.33 (9/16/2024) | 0.928 (6/11/2019) | (1.33 - 0.928)/(47 - 26) | 0.0191429 |
| 0.7 (12/11/2024) | 0.928 (6/11/2019) | (0.7 - 0.928)/(48 - 26) | -0.0103636 |
| 0.551 (2/18/2025) | 0.928 (6/11/2019) | (0.551 - 0.928)/(49 - 26) | -0.0163913 |
| | | | |
| 0.381 (10/28/2019) | 1.05 (8/28/2019) | (0.381 - 1.05)/(28 - 27) | -0.669 |
| 0.934 (3/31/2020) | 1.05 (8/28/2019) | (0.934 - 1.05)/(29 - 27) | -0.058 |
| 0.897 (6/10/2020) | 1.05 (8/28/2019) | (0.897 - 1.05)/(30 - 27) | -0.051 |
| 0.281 (9/21/2020) | 1.05 (8/28/2019) | (0.281 - 1.05)/(31 - 27) | -0.19225 |
| 0.54 (12/17/2020) | 1.05 (8/28/2019) | (0.54 - 1.05)/(32 - 27) | -0.102 |
| 0.67 (3/18/2021) | 1.05 (8/28/2019) | (0.67 - 1.05)/(33 - 27) | -0.0633333 |
| 1.06 (5/5/2021) | 1.05 (8/28/2019) | (1.06 - 1.05)/(34 - 27) | 0.00142857 |
| 0.935 (9/2/2021) | 1.05 (8/28/2019) | (0.935 - 1.05)/(35 - 27) | -0.014375 |
| 0.37 (11/23/2021) | 1.05 (8/28/2019) | (0.37 - 1.05)/(36 - 27) | -0.0755556 |
| 0.674 (1/10/2022) | 1.05 (8/28/2019) | (0.674 - 1.05)/(37 - 27) | -0.0376 |
| 0.566 (4/7/2022) | 1.05 (8/28/2019) | (0.566 - 1.05)/(38 - 27) | -0.044 |

| | | | |
|---|---|---|---|
| 0.723 (8/3/2022) | 1.05 (8/28/2019) | (0.723 - 1.05)/(39 - 27) | -0.02725 |
| 0.406 (11/16/2022) | 1.05 (8/28/2019) | (0.406 - 1.05)/(40 - 27) | -0.0495385 |
| 0.749 (2/13/2023) | 1.05 (8/28/2019) | (0.749 - 1.05)/(41 - 27) | -0.0215 |
| 0.506 (5/24/2023) | 1.05 (8/28/2019) | (0.506 - 1.05)/(42 - 27) | -0.0362667 |
| 0.903 (8/7/2023) | 1.05 (8/28/2019) | (0.903 - 1.05)/(43 - 27) | -0.0091875 |
| 0.573 (12/12/2023) | 1.05 (8/28/2019) | (0.573 - 1.05)/(44 - 27) | -0.0280588 |
| 1.08 (1/10/2024) | 1.05 (8/28/2019) | (1.08 - 1.05)/(45 - 27) | 0.00166667 |
| 0.49 (5/20/2024) | 1.05 (8/28/2019) | (0.49 - 1.05)/(46 - 27) | -0.0294737 |
| 1.33 (9/16/2024) | 1.05 (8/28/2019) | (1.33 - 1.05)/(47 - 27) | 0.014 |
| 0.7 (12/11/2024) | 1.05 (8/28/2019) | (0.7 - 1.05)/(48 - 27) | -0.0166667 |
| 0.551 (2/18/2025) | 1.05 (8/28/2019) | (0.551 - 1.05)/(49 - 27) | -0.0226818 |
| | | | |
| 0.934 (3/31/2020) | 0.381 (10/28/2019) | (0.934 - 0.381)/(29 - 28) | 0.553 |
| 0.897 (6/10/2020) | 0.381 (10/28/2019) | (0.897 - 0.381)/(30 - 28) | 0.258 |
| 0.281 (9/21/2020) | 0.381 (10/28/2019) | (0.281 - 0.381)/(31 - 28) | -0.0333333 |
| 0.54 (12/17/2020) | 0.381 (10/28/2019) | (0.54 - 0.381)/(32 - 28) | 0.03975 |
| 0.67 (3/18/2021) | 0.381 (10/28/2019) | (0.67 - 0.381)/(33 - 28) | 0.0578 |
| 1.06 (5/5/2021) | 0.381 (10/28/2019) | (1.06 - 0.381)/(34 - 28) | 0.113167 |
| 0.935 (9/2/2021) | 0.381 (10/28/2019) | (0.935 - 0.381)/(35 - 28) | 0.0791429 |
| 0.37 (11/23/2021) | 0.381 (10/28/2019) | (0.37 - 0.381)/(36 - 28) | -0.001375 |
| 0.674 (1/10/2022) | 0.381 (10/28/2019) | (0.674 - 0.381)/(37 - 28) | 0.0325556 |
| 0.566 (4/7/2022) | 0.381 (10/28/2019) | (0.566 - 0.381)/(38 - 28) | 0.0185 |
| 0.723 (8/3/2022) | 0.381 (10/28/2019) | (0.723 - 0.381)/(39 - 28) | 0.0310909 |
| 0.406 (11/16/2022) | 0.381 (10/28/2019) | (0.406 - 0.381)/(40 - 28) | 0.00208333 |
| 0.749 (2/13/2023) | 0.381 (10/28/2019) | (0.749 - 0.381)/(41 - 28) | 0.0283077 |
| 0.506 (5/24/2023) | 0.381 (10/28/2019) | (0.506 - 0.381)/(42 - 28) | 0.00892857 |
| 0.903 (8/7/2023) | 0.381 (10/28/2019) | (0.903 - 0.381)/(43 - 28) | 0.0348 |
| 0.573 (12/12/2023) | 0.381 (10/28/2019) | (0.573 - 0.381)/(44 - 28) | 0.012 |
| 1.08 (1/10/2024) | 0.381 (10/28/2019) | (1.08 - 0.381)/(45 - 28) | 0.0411176 |
| 0.49 (5/20/2024) | 0.381 (10/28/2019) | (0.49 - 0.381)/(46 - 28) | 0.00605556 |
| 1.33 (9/16/2024) | 0.381 (10/28/2019) | (1.33 - 0.381)/(47 - 28) | 0.0499474 |
| 0.7 (12/11/2024) | 0.381 (10/28/2019) | (0.7 - 0.381)/(48 - 28) | 0.01595 |
| 0.551 (2/18/2025) | 0.381 (10/28/2019) | (0.551 - 0.381)/(49 - 28) | 0.00809524 |
| | | | |
| 0.897 (6/10/2020) | 0.934 (3/31/2020) | (0.897 - 0.934)/(30 - 29) | -0.037 |
| 0.281 (9/21/2020) | 0.934 (3/31/2020) | (0.281 - 0.934)/(31 - 29) | -0.3265 |
| 0.54 (12/17/2020) | 0.934 (3/31/2020) | (0.54 - 0.934)/(32 - 29) | -0.131333 |
| 0.67 (3/18/2021) | 0.934 (3/31/2020) | (0.67 - 0.934)/(33 - 29) | -0.066 |
| 1.06 (5/5/2021) | 0.934 (3/31/2020) | (1.06 - 0.934)/(34 - 29) | 0.0252 |
| 0.935 (9/2/2021) | 0.934 (3/31/2020) | (0.935 - 0.934)/(35 - 29) | 0.000166667 |
| 0.37 (11/23/2021) | 0.934 (3/31/2020) | (0.37 - 0.934)/(36 - 29) | -0.0805714 |
| 0.674 (1/10/2022) | 0.934 (3/31/2020) | (0.674 - 0.934)/(37 - 29) | -0.0325 |
| 0.566 (4/7/2022) | 0.934 (3/31/2020) | (0.566 - 0.934)/(38 - 29) | -0.0408889 |
| 0.723 (8/3/2022) | 0.934 (3/31/2020) | (0.723 - 0.934)/(39 - 29) | -0.0211 |
| 0.406 (11/16/2022) | 0.934 (3/31/2020) | (0.406 - 0.934)/(40 - 29) | -0.048 |
| 0.749 (2/13/2023) | 0.934 (3/31/2020) | (0.749 - 0.934)/(41 - 29) | -0.0154167 |
| 0.506 (5/24/2023) | 0.934 (3/31/2020) | (0.506 - 0.934)/(42 - 29) | -0.0329231 |
| 0.903 (8/7/2023) | 0.934 (3/31/2020) | (0.903 - 0.934)/(43 - 29) | -0.00221429 |
| 0.573 (12/12/2023) | 0.934 (3/31/2020) | (0.573 - 0.934)/(44 - 29) | -0.0240667 |
| 1.08 (1/10/2024) | 0.934 (3/31/2020) | (1.08 - 0.934)/(45 - 29) | 0.009125 |
| 0.49 (5/20/2024) | 0.934 (3/31/2020) | (0.49 - 0.934)/(46 - 29) | -0.0261176 |
| 1.33 (9/16/2024) | 0.934 (3/31/2020) | (1.33 - 0.934)/(47 - 29) | 0.022 |
| 0.7 (12/11/2024) | 0.934 (3/31/2020) | (0.7 - 0.934)/(48 - 29) | -0.0123158 |
| 0.551 (2/18/2025) | 0.934 (3/31/2020) | (0.551 - 0.934)/(49 - 29) | -0.01915 |
| | | | |
| 0.281 (9/21/2020) | 0.897 (6/10/2020) | (0.281 - 0.897)/(31 - 30) | -0.616 |
| 0.54 (12/17/2020) | 0.897 (6/10/2020) | (0.54 - 0.897)/(32 - 30) | -0.1785 |

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|---|---|---|---|
| 0.67 (3/18/2021) | 0.897 (6/10/2020) | (0.67 - 0.897)/(33 - 30) | -0.0756667 |
| 1.06 (5/5/2021) | 0.897 (6/10/2020) | (1.06 - 0.897)/(34 - 30) | 0.04075 |
| 0.935 (9/2/2021) | 0.897 (6/10/2020) | (0.935 - 0.897)/(35 - 30) | 0.0076 |
| 0.37 (11/23/2021) | 0.897 (6/10/2020) | (0.37 - 0.897)/(36 - 30) | -0.0878333 |
| 0.674 (1/10/2022) | 0.897 (6/10/2020) | (0.674 - 0.897)/(37 - 30) | -0.0318571 |
| 0.566 (4/7/2022) | 0.897 (6/10/2020) | (0.566 - 0.897)/(38 - 30) | -0.041375 |
| 0.723 (8/3/2022) | 0.897 (6/10/2020) | (0.723 - 0.897)/(39 - 30) | -0.0193333 |
| 0.406 (11/16/2022) | 0.897 (6/10/2020) | (0.406 - 0.897)/(40 - 30) | -0.0491 |
| 0.749 (2/13/2023) | 0.897 (6/10/2020) | (0.749 - 0.897)/(41 - 30) | -0.0134545 |
| 0.506 (5/24/2023) | 0.897 (6/10/2020) | (0.506 - 0.897)/(42 - 30) | -0.0325833 |
| 0.903 (8/7/2023) | 0.897 (6/10/2020) | (0.903 - 0.897)/(43 - 30) | 0.000461538 |
| 0.573 (12/12/2023) | 0.897 (6/10/2020) | (0.573 - 0.897)/(44 - 30) | -0.0231429 |
| 1.08 (1/10/2024) | 0.897 (6/10/2020) | (1.08 - 0.897)/(45 - 30) | 0.0122 |
| 0.49 (5/20/2024) | 0.897 (6/10/2020) | (0.49 - 0.897)/(46 - 30) | -0.0254375 |
| 1.33 (9/16/2024) | 0.897 (6/10/2020) | (1.33 - 0.897)/(47 - 30) | 0.0254706 |
| 0.7 (12/11/2024) | 0.897 (6/10/2020) | (0.7 - 0.897)/(48 - 30) | -0.0109444 |
| 0.551 (2/18/2025) | 0.897 (6/10/2020) | (0.551 - 0.897)/(49 - 30) | -0.0182105 |
| | | | |
| 0.54 (12/17/2020) | 0.281 (9/21/2020) | (0.54 - 0.281)/(32 - 31) | 0.259 |
| 0.67 (3/18/2021) | 0.281 (9/21/2020) | (0.67 - 0.281)/(33 - 31) | 0.1945 |
| 1.06 (5/5/2021) | 0.281 (9/21/2020) | (1.06 - 0.281)/(34 - 31) | 0.259667 |
| 0.935 (9/2/2021) | 0.281 (9/21/2020) | (0.935 - 0.281)/(35 - 31) | 0.1635 |
| 0.37 (11/23/2021) | 0.281 (9/21/2020) | (0.37 - 0.281)/(36 - 31) | 0.0178 |
| 0.674 (1/10/2022) | 0.281 (9/21/2020) | (0.674 - 0.281)/(37 - 31) | 0.0655 |
| 0.566 (4/7/2022) | 0.281 (9/21/2020) | (0.566 - 0.281)/(38 - 31) | 0.0407143 |
| 0.723 (8/3/2022) | 0.281 (9/21/2020) | (0.723 - 0.281)/(39 - 31) | 0.05525 |
| 0.406 (11/16/2022) | 0.281 (9/21/2020) | (0.406 - 0.281)/(40 - 31) | 0.0138889 |
| 0.749 (2/13/2023) | 0.281 (9/21/2020) | (0.749 - 0.281)/(41 - 31) | 0.0468 |
| 0.506 (5/24/2023) | 0.281 (9/21/2020) | (0.506 - 0.281)/(42 - 31) | 0.0204545 |
| 0.903 (8/7/2023) | 0.281 (9/21/2020) | (0.903 - 0.281)/(43 - 31) | 0.0518333 |
| 0.573 (12/12/2023) | 0.281 (9/21/2020) | (0.573 - 0.281)/(44 - 31) | 0.0224615 |
| 1.08 (1/10/2024) | 0.281 (9/21/2020) | (1.08 - 0.281)/(45 - 31) | 0.0570714 |
| 0.49 (5/20/2024) | 0.281 (9/21/2020) | (0.49 - 0.281)/(46 - 31) | 0.0139333 |
| 1.33 (9/16/2024) | 0.281 (9/21/2020) | (1.33 - 0.281)/(47 - 31) | 0.0655625 |
| 0.7 (12/11/2024) | 0.281 (9/21/2020) | (0.7 - 0.281)/(48 - 31) | 0.0246471 |
| 0.551 (2/18/2025) | 0.281 (9/21/2020) | (0.551 - 0.281)/(49 - 31) | 0.015 |
| | | | |
| 0.67 (3/18/2021) | 0.54 (12/17/2020) | (0.67 - 0.54)/(33 - 32) | 0.13 |
| 1.06 (5/5/2021) | 0.54 (12/17/2020) | (1.06 - 0.54)/(34 - 32) | 0.26 |
| 0.935 (9/2/2021) | 0.54 (12/17/2020) | (0.935 - 0.54)/(35 - 32) | 0.131667 |
| 0.37 (11/23/2021) | 0.54 (12/17/2020) | (0.37 - 0.54)/(36 - 32) | -0.0425 |
| 0.674 (1/10/2022) | 0.54 (12/17/2020) | (0.674 - 0.54)/(37 - 32) | 0.0268 |
| 0.566 (4/7/2022) | 0.54 (12/17/2020) | (0.566 - 0.54)/(38 - 32) | 0.00433333 |
| 0.723 (8/3/2022) | 0.54 (12/17/2020) | (0.723 - 0.54)/(39 - 32) | 0.0261429 |
| 0.406 (11/16/2022) | 0.54 (12/17/2020) | (0.406 - 0.54)/(40 - 32) | -0.01675 |
| 0.749 (2/13/2023) | 0.54 (12/17/2020) | (0.749 - 0.54)/(41 - 32) | 0.0232222 |
| 0.506 (5/24/2023) | 0.54 (12/17/2020) | (0.506 - 0.54)/(42 - 32) | -0.0034 |
| 0.903 (8/7/2023) | 0.54 (12/17/2020) | (0.903 - 0.54)/(43 - 32) | 0.033 |
| 0.573 (12/12/2023) | 0.54 (12/17/2020) | (0.573 - 0.54)/(44 - 32) | 0.00275 |
| 1.08 (1/10/2024) | 0.54 (12/17/2020) | (1.08 - 0.54)/(45 - 32) | 0.0415385 |
| 0.49 (5/20/2024) | 0.54 (12/17/2020) | (0.49 - 0.54)/(46 - 32) | -0.00357143 |
| 1.33 (9/16/2024) | 0.54 (12/17/2020) | (1.33 - 0.54)/(47 - 32) | 0.0526667 |
| 0.7 (12/11/2024) | 0.54 (12/17/2020) | (0.7 - 0.54)/(48 - 32) | 0.01 |
| 0.551 (2/18/2025) | 0.54 (12/17/2020) | (0.551 - 0.54)/(49 - 32) | 0.000647059 |
| | | | |
| 1.06 (5/5/2021) | 0.67 (3/18/2021) | (1.06 - 0.67)/(34 - 33) | 0.39 |
| 0.935 (9/2/2021) | 0.67 (3/18/2021) | (0.935 - 0.67)/(35 - 33) | 0.1325 |

| | | | |
|---|---|---|---|
| 0.37 (11/23/2021) | 0.67 (3/18/2021) | (0.37 - 0.67)/(36 - 33) | -0.1 |
| 0.674 (1/10/2022) | 0.67 (3/18/2021) | (0.674 - 0.67)/(37 - 33) | 0.001 |
| 0.566 (4/7/2022) | 0.67 (3/18/2021) | (0.566 - 0.67)/(38 - 33) | -0.0208 |
| 0.723 (8/3/2022) | 0.67 (3/18/2021) | (0.723 - 0.67)/(39 - 33) | 0.00883333 |
| 0.406 (11/16/2022) | 0.67 (3/18/2021) | (0.406 - 0.67)/(40 - 33) | -0.0377143 |
| 0.749 (2/13/2023) | 0.67 (3/18/2021) | (0.749 - 0.67)/(41 - 33) | 0.009875 |
| 0.506 (5/24/2023) | 0.67 (3/18/2021) | (0.506 - 0.67)/(42 - 33) | -0.0182222 |
| 0.903 (8/7/2023) | 0.67 (3/18/2021) | (0.903 - 0.67)/(43 - 33) | 0.0233 |
| 0.573 (12/12/2023) | 0.67 (3/18/2021) | (0.573 - 0.67)/(44 - 33) | -0.00881818 |
| 1.08 (1/10/2024) | 0.67 (3/18/2021) | (1.08 - 0.67)/(45 - 33) | 0.0341667 |
| 0.49 (5/20/2024) | 0.67 (3/18/2021) | (0.49 - 0.67)/(46 - 33) | -0.0138462 |
| 1.33 (9/16/2024) | 0.67 (3/18/2021) | (1.33 - 0.67)/(47 - 33) | 0.0471429 |
| 0.7 (12/11/2024) | 0.67 (3/18/2021) | (0.7 - 0.67)/(48 - 33) | 0.002 |
| 0.551 (2/18/2025) | 0.67 (3/18/2021) | (0.551 - 0.67)/(49 - 33) | -0.0074375 |
| | | | |
| 0.935 (9/2/2021) | 1.06 (5/5/2021) | (0.935 - 1.06)/(35 - 34) | -0.125 |
| 0.37 (11/23/2021) | 1.06 (5/5/2021) | (0.37 - 1.06)/(36 - 34) | -0.345 |
| 0.674 (1/10/2022) | 1.06 (5/5/2021) | (0.674 - 1.06)/(37 - 34) | -0.128667 |
| 0.566 (4/7/2022) | 1.06 (5/5/2021) | (0.566 - 1.06)/(38 - 34) | -0.1235 |
| 0.723 (8/3/2022) | 1.06 (5/5/2021) | (0.723 - 1.06)/(39 - 34) | -0.0674 |
| 0.406 (11/16/2022) | 1.06 (5/5/2021) | (0.406 - 1.06)/(40 - 34) | -0.109 |
| 0.749 (2/13/2023) | 1.06 (5/5/2021) | (0.749 - 1.06)/(41 - 34) | -0.0444286 |
| 0.506 (5/24/2023) | 1.06 (5/5/2021) | (0.506 - 1.06)/(42 - 34) | -0.06925 |
| 0.903 (8/7/2023) | 1.06 (5/5/2021) | (0.903 - 1.06)/(43 - 34) | -0.0174444 |
| 0.573 (12/12/2023) | 1.06 (5/5/2021) | (0.573 - 1.06)/(44 - 34) | -0.0487 |
| 1.08 (1/10/2024) | 1.06 (5/5/2021) | (1.08 - 1.06)/(45 - 34) | 0.00181818 |
| 0.49 (5/20/2024) | 1.06 (5/5/2021) | (0.49 - 1.06)/(46 - 34) | -0.0475 |
| 1.33 (9/16/2024) | 1.06 (5/5/2021) | (1.33 - 1.06)/(47 - 34) | 0.0207692 |
| 0.7 (12/11/2024) | 1.06 (5/5/2021) | (0.7 - 1.06)/(48 - 34) | -0.0257143 |
| 0.551 (2/18/2025) | 1.06 (5/5/2021) | (0.551 - 1.06)/(49 - 34) | -0.0339333 |
| | | | |
| 0.37 (11/23/2021) | 0.935 (9/2/2021) | (0.37 - 0.935)/(36 - 35) | -0.565 |
| 0.674 (1/10/2022) | 0.935 (9/2/2021) | (0.674 - 0.935)/(37 - 35) | -0.1305 |
| 0.566 (4/7/2022) | 0.935 (9/2/2021) | (0.566 - 0.935)/(38 - 35) | -0.123 |
| 0.723 (8/3/2022) | 0.935 (9/2/2021) | (0.723 - 0.935)/(39 - 35) | -0.053 |
| 0.406 (11/16/2022) | 0.935 (9/2/2021) | (0.406 - 0.935)/(40 - 35) | -0.1058 |
| 0.749 (2/13/2023) | 0.935 (9/2/2021) | (0.749 - 0.935)/(41 - 35) | -0.031 |
| 0.506 (5/24/2023) | 0.935 (9/2/2021) | (0.506 - 0.935)/(42 - 35) | -0.0612857 |
| 0.903 (8/7/2023) | 0.935 (9/2/2021) | (0.903 - 0.935)/(43 - 35) | -0.004 |
| 0.573 (12/12/2023) | 0.935 (9/2/2021) | (0.573 - 0.935)/(44 - 35) | -0.0402222 |
| 1.08 (1/10/2024) | 0.935 (9/2/2021) | (1.08 - 0.935)/(45 - 35) | 0.0145 |
| 0.49 (5/20/2024) | 0.935 (9/2/2021) | (0.49 - 0.935)/(46 - 35) | -0.0404545 |
| 1.33 (9/16/2024) | 0.935 (9/2/2021) | (1.33 - 0.935)/(47 - 35) | 0.0329167 |
| 0.7 (12/11/2024) | 0.935 (9/2/2021) | (0.7 - 0.935)/(48 - 35) | -0.0180769 |
| 0.551 (2/18/2025) | 0.935 (9/2/2021) | (0.551 - 0.935)/(49 - 35) | -0.0274286 |
| | | | |
| 0.674 (1/10/2022) | 0.37 (11/23/2021) | (0.674 - 0.37)/(37 - 36) | 0.304 |
| 0.566 (4/7/2022) | 0.37 (11/23/2021) | (0.566 - 0.37)/(38 - 36) | 0.098 |
| 0.723 (8/3/2022) | 0.37 (11/23/2021) | (0.723 - 0.37)/(39 - 36) | 0.117667 |
| 0.406 (11/16/2022) | 0.37 (11/23/2021) | (0.406 - 0.37)/(40 - 36) | 0.009 |
| 0.749 (2/13/2023) | 0.37 (11/23/2021) | (0.749 - 0.37)/(41 - 36) | 0.0758 |
| 0.506 (5/24/2023) | 0.37 (11/23/2021) | (0.506 - 0.37)/(42 - 36) | 0.0226667 |
| 0.903 (8/7/2023) | 0.37 (11/23/2021) | (0.903 - 0.37)/(43 - 36) | 0.0761429 |
| 0.573 (12/12/2023) | 0.37 (11/23/2021) | (0.573 - 0.37)/(44 - 36) | 0.025375 |
| 1.08 (1/10/2024) | 0.37 (11/23/2021) | (1.08 - 0.37)/(45 - 36) | 0.0788889 |
| 0.49 (5/20/2024) | 0.37 (11/23/2021) | (0.49 - 0.37)/(46 - 36) | 0.012 |
| 1.33 (9/16/2024) | 0.37 (11/23/2021) | (1.33 - 0.37)/(47 - 36) | 0.0872727 |

| | | | |
|---|---|---|---|
| 0.7 (12/11/2024) | 0.37 (11/23/2021) | (0.7 - 0.37)/(48 - 36) | 0.0275 |
| 0.551 (2/18/2025) | 0.37 (11/23/2021) | (0.551 - 0.37)/(49 - 36) | 0.0139231 |
| | | | |
| 0.566 (4/7/2022) | 0.674 (1/10/2022) | (0.566 - 0.674)/(38 - 37) | -0.108 |
| 0.723 (8/3/2022) | 0.674 (1/10/2022) | (0.723 - 0.674)/(39 - 37) | 0.0245 |
| 0.406 (11/16/2022) | 0.674 (1/10/2022) | (0.406 - 0.674)/(40 - 37) | -0.0893333 |
| 0.749 (2/13/2023) | 0.674 (1/10/2022) | (0.749 - 0.674)/(41 - 37) | 0.01875 |
| 0.506 (5/24/2023) | 0.674 (1/10/2022) | (0.506 - 0.674)/(42 - 37) | -0.0336 |
| 0.903 (8/7/2023) | 0.674 (1/10/2022) | (0.903 - 0.674)/(43 - 37) | 0.0381667 |
| 0.573 (12/12/2023) | 0.674 (1/10/2022) | (0.573 - 0.674)/(44 - 37) | -0.0144286 |
| 1.08 (1/10/2024) | 0.674 (1/10/2022) | (1.08 - 0.674)/(45 - 37) | 0.05075 |
| 0.49 (5/20/2024) | 0.674 (1/10/2022) | (0.49 - 0.674)/(46 - 37) | -0.0204444 |
| 1.33 (9/16/2024) | 0.674 (1/10/2022) | (1.33 - 0.674)/(47 - 37) | 0.0656 |
| 0.7 (12/11/2024) | 0.674 (1/10/2022) | (0.7 - 0.674)/(48 - 37) | 0.00236364 |
| 0.551 (2/18/2025) | 0.674 (1/10/2022) | (0.551 - 0.674)/(49 - 37) | -0.01025 |
| | | | |
| 0.723 (8/3/2022) | 0.566 (4/7/2022) | (0.723 - 0.566)/(39 - 38) | 0.157 |
| 0.406 (11/16/2022) | 0.566 (4/7/2022) | (0.406 - 0.566)/(40 - 38) | -0.08 |
| 0.749 (2/13/2023) | 0.566 (4/7/2022) | (0.749 - 0.566)/(41 - 38) | 0.061 |
| 0.506 (5/24/2023) | 0.566 (4/7/2022) | (0.506 - 0.566)/(42 - 38) | -0.015 |
| 0.903 (8/7/2023) | 0.566 (4/7/2022) | (0.903 - 0.566)/(43 - 38) | 0.0674 |
| 0.573 (12/12/2023) | 0.566 (4/7/2022) | (0.573 - 0.566)/(44 - 38) | 0.00116667 |
| 1.08 (1/10/2024) | 0.566 (4/7/2022) | (1.08 - 0.566)/(45 - 38) | 0.0734286 |
| 0.49 (5/20/2024) | 0.566 (4/7/2022) | (0.49 - 0.566)/(46 - 38) | -0.0095 |
| 1.33 (9/16/2024) | 0.566 (4/7/2022) | (1.33 - 0.566)/(47 - 38) | 0.0848889 |
| 0.7 (12/11/2024) | 0.566 (4/7/2022) | (0.7 - 0.566)/(48 - 38) | 0.0134 |
| 0.551 (2/18/2025) | 0.566 (4/7/2022) | (0.551 - 0.566)/(49 - 38) | -0.00136364 |
| | | | |
| 0.406 (11/16/2022) | 0.723 (8/3/2022) | (0.406 - 0.723)/(40 - 39) | -0.317 |
| 0.749 (2/13/2023) | 0.723 (8/3/2022) | (0.749 - 0.723)/(41 - 39) | 0.013 |
| 0.506 (5/24/2023) | 0.723 (8/3/2022) | (0.506 - 0.723)/(42 - 39) | -0.0723333 |
| 0.903 (8/7/2023) | 0.723 (8/3/2022) | (0.903 - 0.723)/(43 - 39) | 0.045 |
| 0.573 (12/12/2023) | 0.723 (8/3/2022) | (0.573 - 0.723)/(44 - 39) | -0.03 |
| 1.08 (1/10/2024) | 0.723 (8/3/2022) | (1.08 - 0.723)/(45 - 39) | 0.0595 |
| 0.49 (5/20/2024) | 0.723 (8/3/2022) | (0.49 - 0.723)/(46 - 39) | -0.0332857 |
| 1.33 (9/16/2024) | 0.723 (8/3/2022) | (1.33 - 0.723)/(47 - 39) | 0.075875 |
| 0.7 (12/11/2024) | 0.723 (8/3/2022) | (0.7 - 0.723)/(48 - 39) | -0.00255556 |
| 0.551 (2/18/2025) | 0.723 (8/3/2022) | (0.551 - 0.723)/(49 - 39) | -0.0172 |
| | | | |
| 0.749 (2/13/2023) | 0.406 (11/16/2022) | (0.749 - 0.406)/(41 - 40) | 0.343 |
| 0.506 (5/24/2023) | 0.406 (11/16/2022) | (0.506 - 0.406)/(42 - 40) | 0.05 |
| 0.903 (8/7/2023) | 0.406 (11/16/2022) | (0.903 - 0.406)/(43 - 40) | 0.165667 |
| 0.573 (12/12/2023) | 0.406 (11/16/2022) | (0.573 - 0.406)/(44 - 40) | 0.04175 |
| 1.08 (1/10/2024) | 0.406 (11/16/2022) | (1.08 - 0.406)/(45 - 40) | 0.1348 |
| 0.49 (5/20/2024) | 0.406 (11/16/2022) | (0.49 - 0.406)/(46 - 40) | 0.014 |
| 1.33 (9/16/2024) | 0.406 (11/16/2022) | (1.33 - 0.406)/(47 - 40) | 0.132 |
| 0.7 (12/11/2024) | 0.406 (11/16/2022) | (0.7 - 0.406)/(48 - 40) | 0.03675 |
| 0.551 (2/18/2025) | 0.406 (11/16/2022) | (0.551 - 0.406)/(49 - 40) | 0.0161111 |
| | | | |
| 0.506 (5/24/2023) | 0.749 (2/13/2023) | (0.506 - 0.749)/(42 - 41) | -0.243 |
| 0.903 (8/7/2023) | 0.749 (2/13/2023) | (0.903 - 0.749)/(43 - 41) | 0.077 |
| 0.573 (12/12/2023) | 0.749 (2/13/2023) | (0.573 - 0.749)/(44 - 41) | -0.0586667 |
| 1.08 (1/10/2024) | 0.749 (2/13/2023) | (1.08 - 0.749)/(45 - 41) | 0.08275 |
| 0.49 (5/20/2024) | 0.749 (2/13/2023) | (0.49 - 0.749)/(46 - 41) | -0.0518 |
| 1.33 (9/16/2024) | 0.749 (2/13/2023) | (1.33 - 0.749)/(47 - 41) | 0.0968333 |
| 0.7 (12/11/2024) | 0.749 (2/13/2023) | (0.7 - 0.749)/(48 - 41) | -0.007 |
| 0.551 (2/18/2025) | 0.749 (2/13/2023) | (0.551 - 0.749)/(49 - 41) | -0.02475 |

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|---|---|---|---|
| 0.903 (8/7/2023) | 0.506 (5/24/2023) | (0.903 - 0.506)/(43 - 42) | 0.397 |
| 0.573 (12/12/2023) | 0.506 (5/24/2023) | (0.573 - 0.506)/(44 - 42) | 0.0335 |
| 1.08 (1/10/2024) | 0.506 (5/24/2023) | (1.08 - 0.506)/(45 - 42) | 0.191333 |
| 0.49 (5/20/2024) | 0.506 (5/24/2023) | (0.49 - 0.506)/(46 - 42) | -0.004 |
| 1.33 (9/16/2024) | 0.506 (5/24/2023) | (1.33 - 0.506)/(47 - 42) | 0.1648 |
| 0.7 (12/11/2024) | 0.506 (5/24/2023) | (0.7 - 0.506)/(48 - 42) | 0.0323333 |
| 0.551 (2/18/2025) | 0.506 (5/24/2023) | (0.551 - 0.506)/(49 - 42) | 0.00642857 |
| | | | |
| 0.573 (12/12/2023) | 0.903 (8/7/2023) | (0.573 - 0.903)/(44 - 43) | -0.33 |
| 1.08 (1/10/2024) | 0.903 (8/7/2023) | (1.08 - 0.903)/(45 - 43) | 0.0885 |
| 0.49 (5/20/2024) | 0.903 (8/7/2023) | (0.49 - 0.903)/(46 - 43) | -0.137667 |
| 1.33 (9/16/2024) | 0.903 (8/7/2023) | (1.33 - 0.903)/(47 - 43) | 0.10675 |
| 0.7 (12/11/2024) | 0.903 (8/7/2023) | (0.7 - 0.903)/(48 - 43) | -0.0406 |
| 0.551 (2/18/2025) | 0.903 (8/7/2023) | (0.551 - 0.903)/(49 - 43) | -0.0586667 |
| | | | |
| 1.08 (1/10/2024) | 0.573 (12/12/2023) | (1.08 - 0.573)/(45 - 44) | 0.507 |
| 0.49 (5/20/2024) | 0.573 (12/12/2023) | (0.49 - 0.573)/(46 - 44) | -0.0415 |
| 1.33 (9/16/2024) | 0.573 (12/12/2023) | (1.33 - 0.573)/(47 - 44) | 0.252333 |
| 0.7 (12/11/2024) | 0.573 (12/12/2023) | (0.7 - 0.573)/(48 - 44) | 0.03175 |
| 0.551 (2/18/2025) | 0.573 (12/12/2023) | (0.551 - 0.573)/(49 - 44) | -0.0044 |
| | | | |
| 0.49 (5/20/2024) | 1.08 (1/10/2024) | (0.49 - 1.08)/(46 - 45) | -0.59 |
| 1.33 (9/16/2024) | 1.08 (1/10/2024) | (1.33 - 1.08)/(47 - 45) | 0.125 |
| 0.7 (12/11/2024) | 1.08 (1/10/2024) | (0.7 - 1.08)/(48 - 45) | -0.126667 |
| 0.551 (2/18/2025) | 1.08 (1/10/2024) | (0.551 - 1.08)/(49 - 45) | -0.13225 |
| | | | |
| 1.33 (9/16/2024) | 0.49 (5/20/2024) | (1.33 - 0.49)/(47 - 46) | 0.84 |
| 0.7 (12/11/2024) | 0.49 (5/20/2024) | (0.7 - 0.49)/(48 - 46) | 0.105 |
| 0.551 (2/18/2025) | 0.49 (5/20/2024) | (0.551 - 0.49)/(49 - 46) | 0.0203333 |
| | | | |
| 0.7 (12/11/2024) | 1.33 (9/16/2024) | (0.7 - 1.33)/(48 - 47) | -0.63 |
| 0.551 (2/18/2025) | 1.33 (9/16/2024) | (0.551 - 1.33)/(49 - 47) | -0.3895 |
| | | | |
| 0.551 (2/18/2025) | 0.7 (12/11/2024) | (0.551 - 0.7)/(49 - 48) | -0.149 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.669 |
| 2 | -0.63 |
| 3 | -0.616 |
| 4 | -0.59 |
| 5 | -0.565 |
| 6 | -0.52 |
| 7 | -0.3895 |
| 8 | -0.37 |
| 9 | -0.345 |
| 10 | -0.33 |
| 11 | -0.33 |
| 12 | -0.3265 |
| 13 | -0.317 |
| 14 | -0.295 |
| 15 | -0.29 |
| 16 | -0.2735 |

| | |
|---|---|
| 17 | -0.255 |
| 18 | -0.25 |
| 19 | -0.243 |
| 20 | -0.24 |
| 21 | -0.238 |
| 22 | -0.221 |
| 23 | -0.215 |
| 24 | -0.198667 |
| 25 | -0.19225 |
| 26 | -0.1875 |
| 27 | -0.18 |
| 28 | -0.1785 |
| 29 | -0.175 |
| 30 | -0.17 |
| 31 | -0.16 |
| 32 | -0.16 |
| 33 | -0.16 |
| 34 | -0.16 |
| 35 | -0.149 |
| 36 | -0.1475 |
| 37 | -0.137667 |
| 38 | -0.13225 |
| 39 | -0.131333 |
| 40 | -0.1305 |
| 41 | -0.1294 |
| 42 | -0.128667 |
| 43 | -0.126667 |
| 44 | -0.125 |
| 45 | -0.1235 |
| 46 | -0.123 |
| 47 | -0.12 |
| 48 | -0.11 |
| 49 | -0.109 |
| 50 | -0.108 |
| 51 | -0.1058 |
| 52 | -0.104833 |
| 53 | -0.103333 |
| 54 | -0.102 |
| 55 | -0.1018 |
| 56 | -0.1 |
| 57 | -0.092 |
| 58 | -0.09 |
| 59 | -0.0893333 |
| 60 | -0.0878333 |
| 61 | -0.0866667 |
| 62 | -0.0833333 |
| 63 | -0.081 |
| 64 | -0.0805714 |
| 65 | -0.08 |
| 66 | -0.08 |
| 67 | -0.0775 |
| 68 | -0.076125 |
| 69 | -0.076 |
| 70 | -0.0756667 |
| 71 | -0.0755556 |
| 72 | -0.075 |
| 73 | -0.0725 |

| | |
|---|---|
| 74 | -0.0725 |
| 75 | -0.0723333 |
| 76 | -0.0708333 |
| 77 | -0.07 |
| 78 | -0.0693333 |
| 79 | -0.06925 |
| 80 | -0.0675 |
| 81 | -0.0675 |
| 82 | -0.0674 |
| 83 | -0.066 |
| 84 | -0.0646667 |
| 85 | -0.0635 |
| 86 | -0.0633333 |
| 87 | -0.0612857 |
| 88 | -0.06 |
| 89 | -0.0586667 |
| 90 | -0.0586667 |
| 91 | -0.058 |
| 92 | -0.058 |
| 93 | -0.0571429 |
| 94 | -0.0558 |
| 95 | -0.0557143 |
| 96 | -0.05325 |
| 97 | -0.053 |
| 98 | -0.0525 |
| 99 | -0.0518 |
| 100 | -0.051 |
| 101 | -0.0505714 |
| 102 | -0.05 |
| 103 | -0.0498889 |
| 104 | -0.0495385 |
| 105 | -0.0491 |
| 106 | -0.0487 |
| 107 | -0.048 |
| 108 | -0.0475 |
| 109 | -0.0472727 |
| 110 | -0.047 |
| 111 | -0.0466667 |
| 112 | -0.0466667 |
| 113 | -0.04575 |
| 114 | -0.0457143 |
| 115 | -0.0456 |
| 116 | -0.0451429 |
| 117 | -0.0450769 |
| 118 | -0.045 |
| 119 | -0.0444286 |
| 120 | -0.0442857 |
| 121 | -0.044 |
| 122 | -0.0433333 |
| 123 | -0.042875 |
| 124 | -0.0426667 |
| 125 | -0.0425 |
| 126 | -0.0417273 |
| 127 | -0.0416667 |
| 128 | -0.0415 |
| 129 | -0.041375 |
| 130 | -0.0411111 |

| | |
|---|---|
| 131 | -0.0408889 |
| 132 | -0.0406 |
| 133 | -0.0404545 |
| 134 | -0.0402222 |
| 135 | -0.04 |
| 136 | -0.04 |
| 137 | -0.0399286 |
| 138 | -0.039 |
| 139 | -0.0388889 |
| 140 | -0.0386875 |
| 141 | -0.0383333 |
| 142 | -0.0378421 |
| 143 | -0.0378421 |
| 144 | -0.0377143 |
| 145 | -0.0376154 |
| 146 | -0.0376 |
| 147 | -0.0372857 |
| 148 | -0.0372273 |
| 149 | -0.037 |
| 150 | -0.0368571 |
| 151 | -0.0368125 |
| 152 | -0.0366667 |
| 153 | -0.0362667 |
| 154 | -0.0357143 |
| 155 | -0.0349 |
| 156 | -0.0346667 |
| 157 | -0.0345385 |
| 158 | -0.0339333 |
| 159 | -0.0336 |
| 160 | -0.0335556 |
| 161 | -0.0333333 |
| 162 | -0.0333333 |
| 163 | -0.0332857 |
| 164 | -0.0332 |
| 165 | -0.0329231 |
| 166 | -0.0328889 |
| 167 | -0.0325833 |
| 168 | -0.0325 |
| 169 | -0.0325 |
| 170 | -0.0325 |
| 171 | -0.032 |
| 172 | -0.0318571 |
| 173 | -0.031 |
| 174 | -0.031 |
| 175 | -0.0309091 |
| 176 | -0.0305 |
| 177 | -0.0304167 |
| 178 | -0.0301667 |
| 179 | -0.03 |
| 180 | -0.03 |
| 181 | -0.03 |
| 182 | -0.0299333 |
| 183 | -0.0294737 |
| 184 | -0.0292857 |
| 185 | -0.0286 |
| 186 | -0.0284706 |
| 187 | -0.0280588 |

| | |
|---|---|
| 188 | -0.02775 |
| 189 | -0.0274286 |
| 190 | -0.0274167 |
| 191 | -0.02725 |
| 192 | -0.0271818 |
| 193 | -0.0270588 |
| 194 | -0.027037 |
| 195 | -0.027 |
| 196 | -0.026375 |
| 197 | -0.02625 |
| 198 | -0.0261176 |
| 199 | -0.0261111 |
| 200 | -0.026 |
| 201 | -0.026 |
| 202 | -0.026 |
| 203 | -0.0257143 |
| 204 | -0.0254375 |
| 205 | -0.0252 |
| 206 | -0.0250526 |
| 207 | -0.024875 |
| 208 | -0.02475 |
| 209 | -0.0247368 |
| 210 | -0.02436 |
| 211 | -0.0243478 |
| 212 | -0.0242857 |
| 213 | -0.0241176 |
| 214 | -0.0240667 |
| 215 | -0.0238095 |
| 216 | -0.0231429 |
| 217 | -0.0231364 |
| 218 | -0.0230909 |
| 219 | -0.023 |
| 220 | -0.0226818 |
| 221 | -0.0224 |
| 222 | -0.0223871 |
| 223 | -0.0223077 |
| 224 | -0.0221667 |
| 225 | -0.0221429 |
| 226 | -0.0220833 |
| 227 | -0.022 |
| 228 | -0.0219 |
| 229 | -0.0217059 |
| 230 | -0.0216667 |
| 231 | -0.0216 |
| 232 | -0.0215 |
| 233 | -0.0214545 |
| 234 | -0.0214286 |
| 235 | -0.0212143 |
| 236 | -0.0211111 |
| 237 | -0.0211 |
| 238 | -0.0208 |
| 239 | -0.0205 |
| 240 | -0.0204444 |
| 241 | -0.0202105 |
| 242 | -0.0201905 |
| 243 | -0.02 |
| 244 | -0.02 |

| | |
|---|---|
| 245 | -0.02 |
| 246 | -0.02 |
| 247 | -0.0198636 |
| 248 | -0.0197222 |
| 249 | -0.0194118 |
| 250 | -0.0193333 |
| 251 | -0.0192857 |
| 252 | -0.0192143 |
| 253 | -0.01915 |
| 254 | -0.0188696 |
| 255 | -0.01856 |
| 256 | -0.0184138 |
| 257 | -0.0182222 |
| 258 | -0.0182105 |
| 259 | -0.0180769 |
| 260 | -0.018 |
| 261 | -0.018 |
| 262 | -0.0179167 |
| 263 | -0.0177273 |
| 264 | -0.0174444 |
| 265 | -0.0173913 |
| 266 | -0.0173333 |
| 267 | -0.0172 |
| 268 | -0.017 |
| 269 | -0.017 |
| 270 | -0.0168824 |
| 271 | -0.01675 |
| 272 | -0.0166923 |
| 273 | -0.0166667 |
| 274 | -0.0164865 |
| 275 | -0.0164667 |
| 276 | -0.0163913 |
| 277 | -0.0163 |
| 278 | -0.0161538 |
| 279 | -0.0158333 |
| 280 | -0.0157692 |
| 281 | -0.0157143 |
| 282 | -0.0157037 |
| 283 | -0.015625 |
| 284 | -0.0154286 |
| 285 | -0.0154167 |
| 286 | -0.0152632 |
| 287 | -0.0152143 |
| 288 | -0.0150952 |
| 289 | -0.0150571 |
| 290 | -0.015 |
| 291 | -0.015 |
| 292 | -0.015 |
| 293 | -0.015 |
| 294 | -0.0148333 |
| 295 | -0.0147368 |
| 296 | -0.0147273 |
| 297 | -0.0144286 |
| 298 | -0.0144074 |
| 299 | -0.014375 |
| 300 | -0.0143125 |
| 301 | -0.0142381 |

| | |
|---|---|
| 302 | -0.0142353 |
| 303 | -0.0141667 |
| 304 | -0.014125 |
| 305 | -0.014087 |
| 306 | -0.014037 |
| 307 | -0.0138947 |
| 308 | -0.0138462 |
| 309 | -0.0137368 |
| 310 | -0.013725 |
| 311 | -0.0135714 |
| 312 | -0.0134815 |
| 313 | -0.0134615 |
| 314 | -0.0134545 |
| 315 | -0.01336 |
| 316 | -0.0133438 |
| 317 | -0.0133333 |
| 318 | -0.0133333 |
| 319 | -0.0133333 |
| 320 | -0.0132174 |
| 321 | -0.013125 |
| 322 | -0.0130476 |
| 323 | -0.01304 |
| 324 | -0.0130385 |
| 325 | -0.0127273 |
| 326 | -0.0126667 |
| 327 | -0.0125926 |
| 328 | -0.0125667 |
| 329 | -0.0123158 |
| 330 | -0.0122581 |
| 331 | -0.0121351 |
| 332 | -0.012069 |
| 333 | -0.0119333 |
| 334 | -0.0119231 |
| 335 | -0.011875 |
| 336 | -0.0117143 |
| 337 | -0.0116667 |
| 338 | -0.0116667 |
| 339 | -0.011625 |
| 340 | -0.01145 |
| 341 | -0.0114286 |
| 342 | -0.0114286 |
| 343 | -0.0111724 |
| 344 | -0.0111111 |
| 345 | -0.0111111 |
| 346 | -0.0110667 |
| 347 | -0.0110556 |
| 348 | -0.011 |
| 349 | -0.0109688 |
| 350 | -0.0109444 |
| 351 | -0.0108571 |
| 352 | -0.0106667 |
| 353 | -0.010625 |
| 354 | -0.010625 |
| 355 | -0.01056 |
| 356 | -0.0104375 |
| 357 | -0.0103636 |
| 358 | -0.010303 |

| | |
|---|---|
| 359 | -0.01028 |
| 360 | -0.0102593 |
| 361 | -0.0102564 |
| 362 | -0.01025 |
| 363 | -0.0102414 |
| 364 | -0.010125 |
| 365 | -0.0101176 |
| 366 | -0.01 |
| 367 | -0.01 |
| 368 | -0.01 |
| 369 | -0.01 |
| 370 | -0.01 |
| 371 | -0.00995833 |
| 372 | -0.00988889 |
| 373 | -0.00966667 |
| 374 | -0.0095 |
| 375 | -0.00938462 |
| 376 | -0.00938235 |
| 377 | -0.009375 |
| 378 | -0.00933333 |
| 379 | -0.00933333 |
| 380 | -0.0093 |
| 381 | -0.00923077 |
| 382 | -0.0091875 |
| 383 | -0.0090625 |
| 384 | -0.00903125 |
| 385 | -0.00890909 |
| 386 | -0.00881818 |
| 387 | -0.0087 |
| 388 | -0.00866667 |
| 389 | -0.00865517 |
| 390 | -0.00858621 |
| 391 | -0.00857143 |
| 392 | -0.00857143 |
| 393 | -0.00842308 |
| 394 | -0.00834211 |
| 395 | -0.00833333 |
| 396 | -0.0083 |
| 397 | -0.0083 |
| 398 | -0.00829032 |
| 399 | -0.0082 |
| 400 | -0.00814815 |
| 401 | -0.00807692 |
| 402 | -0.008 |
| 403 | -0.00788372 |
| 404 | -0.00784615 |
| 405 | -0.00783333 |
| 406 | -0.00778261 |
| 407 | -0.00775 |
| 408 | -0.00775 |
| 409 | -0.0076 |
| 410 | -0.00758824 |
| 411 | -0.0074375 |
| 412 | -0.00741935 |
| 413 | -0.00733333 |
| 414 | -0.00716667 |
| 415 | -0.00705556 |

| | |
|---|---|
| 416 | -0.007 |
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| 418 | -0.00692308 |
| 419 | -0.00685714 |
| 420 | -0.00661905 |
| 421 | -0.00659091 |
| 422 | -0.00654545 |
| 423 | -0.0065 |
| 424 | -0.00643902 |
| 425 | -0.00634615 |
| 426 | -0.00622222 |
| 427 | -0.006125 |
| 428 | -0.00611111 |
| 429 | -0.00603846 |
| 430 | -0.00603571 |
| 431 | -0.00588889 |
| 432 | -0.00586957 |
| 433 | -0.0058 |
| 434 | -0.00579412 |
| 435 | -0.00577419 |
| 436 | -0.00576923 |
| 437 | -0.00573077 |
| 438 | -0.00572222 |
| 439 | -0.0056 |
| 440 | -0.00551351 |
| 441 | -0.00535 |
| 442 | -0.00531818 |
| 443 | -0.00517391 |
| 444 | -0.00517241 |
| 445 | -0.00515152 |
| 446 | -0.00514286 |
| 447 | -0.00514286 |
| 448 | -0.00509524 |
| 449 | -0.00506061 |
| 450 | -0.00504348 |
| 451 | -0.005 |
| 452 | -0.005 |
| 453 | -0.005 |
| 454 | -0.00492857 |
| 455 | -0.00489286 |
| 456 | -0.00481818 |
| 457 | -0.00470588 |
| 458 | -0.00465385 |
| 459 | -0.00461538 |
| 460 | -0.0045814 |
| 461 | -0.0045625 |
| 462 | -0.00454545 |
| 463 | -0.00452381 |
| 464 | -0.00451613 |
| 465 | -0.00448276 |
| 466 | -0.0044 |
| 467 | -0.0043 |
| 468 | -0.00428571 |
| 469 | -0.00419355 |
| 470 | -0.00411538 |
| 471 | -0.00405263 |
| 472 | -0.00404762 |

| | |
|---|---|
| 473 | -0.00402857 |
| 474 | -0.004 |
| 475 | -0.004 |
| 476 | -0.004 |
| 477 | -0.004 |
| 478 | -0.004 |
| 479 | -0.00395 |
| 480 | -0.00388235 |
| 481 | -0.00379167 |
| 482 | -0.00371429 |
| 483 | -0.00368182 |
| 484 | -0.00358621 |
| 485 | -0.00357143 |
| 486 | -0.0035 |
| 487 | -0.00346154 |
| 488 | -0.00345455 |
| 489 | -0.0034 |
| 490 | -0.00336364 |
| 491 | -0.00336 |
| 492 | -0.00333333 |
| 493 | -0.00326316 |
| 494 | -0.00321429 |
| 495 | -0.00312903 |
| 496 | -0.003125 |
| 497 | -0.0031 |
| 498 | -0.00294737 |
| 499 | -0.00289286 |
| 500 | -0.00282857 |
| 501 | -0.00282609 |
| 502 | -0.00277778 |
| 503 | -0.00276471 |
| 504 | -0.00276 |
| 505 | -0.00270588 |
| 506 | -0.00268571 |
| 507 | -0.00266667 |
| 508 | -0.00256667 |
| 509 | -0.00255556 |
| 510 | -0.0025 |
| 511 | -0.0025 |
| 512 | -0.00242424 |
| 513 | -0.00242222 |
| 514 | -0.00235294 |
| 515 | -0.00235294 |
| 516 | -0.0023125 |
| 517 | -0.00222222 |
| 518 | -0.00222222 |
| 519 | -0.00221429 |
| 520 | -0.002175 |
| 521 | -0.002 |
| 522 | -0.00181818 |
| 523 | -0.00171429 |
| 524 | -0.0016875 |
| 525 | -0.00163636 |
| 526 | -0.0016 |
| 527 | -0.0015 |
| 528 | -0.00148936 |
| 529 | -0.00147059 |

| | |
|---|---|
| 530 | -0.001375 |
| 531 | -0.00136364 |
| 532 | -0.00125 |
| 533 | -0.00123684 |
| 534 | -0.00118919 |
| 535 | -0.001 |
| 536 | -0.001 |
| 537 | -0.001 |
| 538 | -0.000909091 |
| 539 | -0.000777778 |
| 540 | -0.000769231 |
| 541 | -0.00074359 |
| 542 | -0.0006 |
| 543 | -0.000571429 |
| 544 | -0.000555556 |
| 545 | -0.000533333 |
| 546 | -0.000525 |
| 547 | -0.0005 |
| 548 | -0.0004 |
| 549 | -0.000333333 |
| 550 | -0.0003125 |
| 551 | -0.000291667 |
| 552 | -0.000243902 |
| 553 | -0.000205882 |
| 554 | -0.000129032 |
| 555 | 0 |
| 556 | 0 |
| 557 | 0 |
| 558 | 0.000162162 |
| 559 | 0.000166667 |
| 560 | 0.000291667 |
| 561 | 0.000333333 |
| 562 | 0.000344828 |
| 563 | 0.000351351 |
| 564 | 0.000424242 |
| 565 | 0.000446809 |
| 566 | 0.000461538 |
| 567 | 0.000565217 |
| 568 | 0.000647059 |
| 569 | 0.00065 |
| 570 | 0.000738095 |
| 571 | 0.000777778 |
| 572 | 0.000789474 |
| 573 | 0.0008 |
| 574 | 0.000826087 |
| 575 | 0.000909091 |
| 576 | 0.000930233 |
| 577 | 0.001 |
| 578 | 0.001 |
| 579 | 0.001 |
| 580 | 0.001 |
| 581 | 0.00102381 |
| 582 | 0.00104348 |
| 583 | 0.00105263 |
| 584 | 0.00107895 |
| 585 | 0.00115909 |
| 586 | 0.00116667 |

| | |
|---|---|
| 587 | 0.00117857 |
| 588 | 0.00135294 |
| 589 | 0.00142857 |
| 590 | 0.00142857 |
| 591 | 0.00143243 |
| 592 | 0.0014359 |
| 593 | 0.00147059 |
| 594 | 0.00148148 |
| 595 | 0.00148387 |
| 596 | 0.00155172 |
| 597 | 0.00156 |
| 598 | 0.00166667 |
| 599 | 0.00166667 |
| 600 | 0.0018 |
| 601 | 0.0018 |
| 602 | 0.00181818 |
| 603 | 0.00187179 |
| 604 | 0.0019 |
| 605 | 0.00190909 |
| 606 | 0.00191304 |
| 607 | 0.002 |
| 608 | 0.002 |
| 609 | 0.002 |
| 610 | 0.002 |
| 611 | 0.00207407 |
| 612 | 0.00208333 |
| 613 | 0.00219565 |
| 614 | 0.00221951 |
| 615 | 0.00236364 |
| 616 | 0.00240541 |
| 617 | 0.00242308 |
| 618 | 0.00242424 |
| 619 | 0.00243333 |
| 620 | 0.0025 |
| 621 | 0.0025 |
| 622 | 0.00270833 |
| 623 | 0.00272727 |
| 624 | 0.00275 |
| 625 | 0.00277778 |
| 626 | 0.00292 |
| 627 | 0.003 |
| 628 | 0.003 |
| 629 | 0.00304167 |
| 630 | 0.00304348 |
| 631 | 0.0031 |
| 632 | 0.00310345 |
| 633 | 0.00313889 |
| 634 | 0.00315789 |
| 635 | 0.00316667 |
| 636 | 0.00325 |
| 637 | 0.00331429 |
| 638 | 0.00333333 |
| 639 | 0.00333333 |
| 640 | 0.00333333 |
| 641 | 0.00348148 |
| 642 | 0.00353333 |
| 643 | 0.00361905 |

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|---|---|
| 644 | 0.00366667 |
| 645 | 0.00369565 |
| 646 | 0.00375 |
| 647 | 0.00388889 |
| 648 | 0.00391304 |
| 649 | 0.00392857 |
| 650 | 0.00394118 |
| 651 | 0.00411429 |
| 652 | 0.00416667 |
| 653 | 0.00416667 |
| 654 | 0.00428571 |
| 655 | 0.00433333 |
| 656 | 0.004375 |
| 657 | 0.00437931 |
| 658 | 0.00438462 |
| 659 | 0.00439024 |
| 660 | 0.00451613 |
| 661 | 0.00457143 |
| 662 | 0.00461538 |
| 663 | 0.00465116 |
| 664 | 0.00477273 |
| 665 | 0.00477273 |
| 666 | 0.00485294 |
| 667 | 0.00487179 |
| 668 | 0.00493103 |
| 669 | 0.005 |
| 670 | 0.005 |
| 671 | 0.00513333 |
| 672 | 0.00513514 |
| 673 | 0.00521622 |
| 674 | 0.00527273 |
| 675 | 0.00527778 |
| 676 | 0.00533333 |
| 677 | 0.00541176 |
| 678 | 0.0054375 |
| 679 | 0.00545161 |
| 680 | 0.00545455 |
| 681 | 0.00552941 |
| 682 | 0.00555556 |
| 683 | 0.00561538 |
| 684 | 0.00570833 |
| 685 | 0.00576923 |
| 686 | 0.00585714 |
| 687 | 0.00586667 |
| 688 | 0.006 |
| 689 | 0.006 |
| 690 | 0.00605263 |
| 691 | 0.00605556 |
| 692 | 0.00607143 |
| 693 | 0.00607143 |
| 694 | 0.00609091 |
| 695 | 0.00623077 |
| 696 | 0.00625 |
| 697 | 0.00630769 |
| 698 | 0.00632 |
| 699 | 0.00634375 |
| 700 | 0.00642857 |

| | |
|---|---|
| 701 | 0.0065 |
| 702 | 0.00655882 |
| 703 | 0.0065625 |
| 704 | 0.00658824 |
| 705 | 0.00670588 |
| 706 | 0.00673529 |
| 707 | 0.00676471 |
| 708 | 0.00691667 |
| 709 | 0.00692 |
| 710 | 0.00692308 |
| 711 | 0.007 |
| 712 | 0.00704545 |
| 713 | 0.00710526 |
| 714 | 0.00714286 |
| 715 | 0.00714815 |
| 716 | 0.00727273 |
| 717 | 0.00733333 |
| 718 | 0.00733333 |
| 719 | 0.00737931 |
| 720 | 0.0075 |
| 721 | 0.0075 |
| 722 | 0.00752632 |
| 723 | 0.00753846 |
| 724 | 0.00758333 |
| 725 | 0.0076 |
| 726 | 0.00760714 |
| 727 | 0.00761905 |
| 728 | 0.00764706 |
| 729 | 0.00777778 |
| 730 | 0.0078125 |
| 731 | 0.00783333 |
| 732 | 0.00786842 |
| 733 | 0.00796667 |
| 734 | 0.008 |
| 735 | 0.008 |
| 736 | 0.008 |
| 737 | 0.00804762 |
| 738 | 0.00809524 |
| 739 | 0.00821053 |
| 740 | 0.00833333 |
| 741 | 0.00836842 |
| 742 | 0.0084 |
| 743 | 0.00848387 |
| 744 | 0.00857143 |
| 745 | 0.00863636 |
| 746 | 0.00872414 |
| 747 | 0.00875758 |
| 748 | 0.00878788 |
| 749 | 0.00880952 |
| 750 | 0.00883333 |
| 751 | 0.00887097 |
| 752 | 0.00892857 |
| 753 | 0.009 |
| 754 | 0.00909756 |
| 755 | 0.00911538 |
| 756 | 0.009125 |
| 757 | 0.00942857 |

| | |
|---|---|
| 758 | 0.0096 |
| 759 | 0.00961538 |
| 760 | 0.00961538 |
| 761 | 0.00977778 |
| 762 | 0.00978788 |
| 763 | 0.009875 |
| 764 | 0.01 |
| 765 | 0.01 |
| 766 | 0.01 |
| 767 | 0.01 |
| 768 | 0.01 |
| 769 | 0.01 |
| 770 | 0.0102439 |
| 771 | 0.0104 |
| 772 | 0.0106053 |
| 773 | 0.0106389 |
| 774 | 0.0107317 |
| 775 | 0.01075 |
| 776 | 0.0107692 |
| 777 | 0.0109375 |
| 778 | 0.0109524 |
| 779 | 0.01096 |
| 780 | 0.011325 |
| 781 | 0.0113333 |
| 782 | 0.0114286 |
| 783 | 0.0116923 |
| 784 | 0.0118421 |
| 785 | 0.012 |
| 786 | 0.012 |
| 787 | 0.0120588 |
| 788 | 0.0121053 |
| 789 | 0.0121739 |
| 790 | 0.0121818 |
| 791 | 0.0121905 |
| 792 | 0.0122 |
| 793 | 0.0122727 |
| 794 | 0.0122813 |
| 795 | 0.0124348 |
| 796 | 0.0125 |
| 797 | 0.0126571 |
| 798 | 0.0126667 |
| 799 | 0.0127586 |
| 800 | 0.0127907 |
| 801 | 0.0128 |
| 802 | 0.0128571 |
| 803 | 0.0129412 |
| 804 | 0.012963 |
| 805 | 0.013 |
| 806 | 0.0131071 |
| 807 | 0.0133333 |
| 808 | 0.0133571 |
| 809 | 0.0134 |
| 810 | 0.0135714 |
| 811 | 0.01375 |
| 812 | 0.0138462 |
| 813 | 0.013871 |
| 814 | 0.0138889 |

| | |
|---|---|
| 815 | 0.0139167 |
| 816 | 0.0139231 |
| 817 | 0.0139333 |
| 818 | 0.014 |
| 819 | 0.014 |
| 820 | 0.014 |
| 821 | 0.0140435 |
| 822 | 0.0140435 |
| 823 | 0.0141053 |
| 824 | 0.0142 |
| 825 | 0.0142857 |
| 826 | 0.014375 |
| 827 | 0.0145 |
| 828 | 0.0145 |
| 829 | 0.0145 |
| 830 | 0.0147059 |
| 831 | 0.0147368 |
| 832 | 0.0148214 |
| 833 | 0.014963 |
| 834 | 0.015 |
| 835 | 0.015 |
| 836 | 0.015 |
| 837 | 0.015 |
| 838 | 0.0151563 |
| 839 | 0.0153333 |
| 840 | 0.0154375 |
| 841 | 0.0154545 |
| 842 | 0.0155814 |
| 843 | 0.0157143 |
| 844 | 0.01585 |
| 845 | 0.01588 |
| 846 | 0.01595 |
| 847 | 0.016 |
| 848 | 0.0161111 |
| 849 | 0.0163333 |
| 850 | 0.0163913 |
| 851 | 0.0165 |
| 852 | 0.0165556 |
| 853 | 0.0165625 |
| 854 | 0.0165833 |
| 855 | 0.0166667 |
| 856 | 0.0166667 |
| 857 | 0.0166667 |
| 858 | 0.0167568 |
| 859 | 0.0167647 |
| 860 | 0.0169565 |
| 861 | 0.0171429 |
| 862 | 0.0172308 |
| 863 | 0.0175 |
| 864 | 0.0175 |
| 865 | 0.0175926 |
| 866 | 0.0176471 |
| 867 | 0.0176923 |
| 868 | 0.0177083 |
| 869 | 0.0177778 |
| 870 | 0.0178 |
| 871 | 0.0178571 |

| | |
|---|---|
| 872 | 0.018 |
| 873 | 0.0180833 |
| 874 | 0.0181818 |
| 875 | 0.0183333 |
| 876 | 0.0183333 |
| 877 | 0.0185 |
| 878 | 0.0185455 |
| 879 | 0.0185714 |
| 880 | 0.0185714 |
| 881 | 0.0185882 |
| 882 | 0.0186154 |
| 883 | 0.0186316 |
| 884 | 0.0186667 |
| 885 | 0.0187143 |
| 886 | 0.01875 |
| 887 | 0.01875 |
| 888 | 0.0188182 |
| 889 | 0.0188889 |
| 890 | 0.0189333 |
| 891 | 0.0190909 |
| 892 | 0.0190909 |
| 893 | 0.0190909 |
| 894 | 0.0191429 |
| 895 | 0.0193103 |
| 896 | 0.0194444 |
| 897 | 0.0194444 |
| 898 | 0.0196774 |
| 899 | 0.0197619 |
| 900 | 0.0198636 |
| 901 | 0.02 |
| 902 | 0.02 |
| 903 | 0.02 |
| 904 | 0.02 |
| 905 | 0.02 |
| 906 | 0.02 |
| 907 | 0.02 |
| 908 | 0.02 |
| 909 | 0.02 |
| 910 | 0.02 |
| 911 | 0.02 |
| 912 | 0.02025 |
| 913 | 0.0202703 |
| 914 | 0.0203333 |
| 915 | 0.0203684 |
| 916 | 0.020381 |
| 917 | 0.0204545 |
| 918 | 0.0205 |
| 919 | 0.0206061 |
| 920 | 0.020625 |
| 921 | 0.0206667 |
| 922 | 0.0206897 |
| 923 | 0.0207692 |
| 924 | 0.0207826 |
| 925 | 0.0208 |
| 926 | 0.0209091 |
| 927 | 0.0209375 |
| 928 | 0.021 |

| | |
|---|---|
| 929 | 0.0211111 |
| 930 | 0.0211905 |
| 931 | 0.0214737 |
| 932 | 0.0216667 |
| 933 | 0.0216667 |
| 934 | 0.0216667 |
| 935 | 0.02175 |
| 936 | 0.0218 |
| 937 | 0.022 |
| 938 | 0.022 |
| 939 | 0.0220714 |
| 940 | 0.0223077 |
| 941 | 0.0224615 |
| 942 | 0.0225714 |
| 943 | 0.0226667 |
| 944 | 0.0227778 |
| 945 | 0.0230769 |
| 946 | 0.023125 |
| 947 | 0.0231667 |
| 948 | 0.0232222 |
| 949 | 0.0233 |
| 950 | 0.0235556 |
| 951 | 0.0235714 |
| 952 | 0.0236667 |
| 953 | 0.02375 |
| 954 | 0.0238462 |
| 955 | 0.023913 |
| 956 | 0.024 |
| 957 | 0.024 |
| 958 | 0.0245 |
| 959 | 0.0246471 |
| 960 | 0.02475 |
| 961 | 0.02495 |
| 962 | 0.025 |
| 963 | 0.025 |
| 964 | 0.025 |
| 965 | 0.0252 |
| 966 | 0.025375 |
| 967 | 0.0254706 |
| 968 | 0.0257143 |
| 969 | 0.0258333 |
| 970 | 0.026 |
| 971 | 0.0261429 |
| 972 | 0.0261538 |
| 973 | 0.0262778 |
| 974 | 0.0263636 |
| 975 | 0.0265 |
| 976 | 0.0265 |
| 977 | 0.0266667 |
| 978 | 0.0268 |
| 979 | 0.027 |
| 980 | 0.0271667 |
| 981 | 0.0272727 |
| 982 | 0.0272727 |
| 983 | 0.0275 |
| 984 | 0.0275 |
| 985 | 0.0276471 |

| | |
|---|---|
| 986 | 0.0277778 |
| 987 | 0.0277778 |
| 988 | 0.0278571 |
| 989 | 0.0278667 |
| 990 | 0.0283077 |
| 991 | 0.0283333 |
| 992 | 0.0286667 |
| 993 | 0.0294737 |
| 994 | 0.0296818 |
| 995 | 0.03 |
| 996 | 0.03 |
| 997 | 0.0302174 |
| 998 | 0.0307692 |
| 999 | 0.0309091 |
| 1000 | 0.0310526 |
| 1001 | 0.0310909 |
| 1002 | 0.03125 |
| 1003 | 0.0314286 |
| 1004 | 0.0316667 |
| 1005 | 0.0316667 |
| 1006 | 0.0317 |
| 1007 | 0.03175 |
| 1008 | 0.032 |
| 1009 | 0.032 |
| 1010 | 0.032 |
| 1011 | 0.0323333 |
| 1012 | 0.0325556 |
| 1013 | 0.0326667 |
| 1014 | 0.0329167 |
| 1015 | 0.033 |
| 1016 | 0.0333 |
| 1017 | 0.0335 |
| 1018 | 0.0336364 |
| 1019 | 0.03375 |
| 1020 | 0.034 |
| 1021 | 0.0341667 |
| 1022 | 0.0342857 |
| 1023 | 0.0345833 |
| 1024 | 0.0348 |
| 1025 | 0.035 |
| 1026 | 0.035 |
| 1027 | 0.0355556 |
| 1028 | 0.0358333 |
| 1029 | 0.036 |
| 1030 | 0.03675 |
| 1031 | 0.037 |
| 1032 | 0.0371429 |
| 1033 | 0.038 |
| 1034 | 0.0381667 |
| 1035 | 0.0392857 |
| 1036 | 0.0393333 |
| 1037 | 0.03975 |
| 1038 | 0.04 |
| 1039 | 0.04 |
| 1040 | 0.04 |
| 1041 | 0.04 |
| 1042 | 0.0407143 |

| | |
|---|---|
| 1043 | 0.04075 |
| 1044 | 0.041 |
| 1045 | 0.0411176 |
| 1046 | 0.04125 |
| 1047 | 0.04125 |
| 1048 | 0.0415385 |
| 1049 | 0.0415385 |
| 1050 | 0.0416364 |
| 1051 | 0.04175 |
| 1052 | 0.0422222 |
| 1053 | 0.0425 |
| 1054 | 0.0425 |
| 1055 | 0.0436667 |
| 1056 | 0.04375 |
| 1057 | 0.045 |
| 1058 | 0.045 |
| 1059 | 0.0454545 |
| 1060 | 0.0466667 |
| 1061 | 0.0468 |
| 1062 | 0.047 |
| 1063 | 0.0471429 |
| 1064 | 0.0489286 |
| 1065 | 0.0499474 |
| 1066 | 0.05 |
| 1067 | 0.05 |
| 1068 | 0.05075 |
| 1069 | 0.0516667 |
| 1070 | 0.0518333 |
| 1071 | 0.0521 |
| 1072 | 0.0526667 |
| 1073 | 0.055 |
| 1074 | 0.05525 |
| 1075 | 0.0570714 |
| 1076 | 0.0578 |
| 1077 | 0.058 |
| 1078 | 0.058 |
| 1079 | 0.0585714 |
| 1080 | 0.0595 |
| 1081 | 0.0598 |
| 1082 | 0.06 |
| 1083 | 0.06 |
| 1084 | 0.061 |
| 1085 | 0.0611111 |
| 1086 | 0.0623077 |
| 1087 | 0.0633333 |
| 1088 | 0.065 |
| 1089 | 0.0655 |
| 1090 | 0.0655625 |
| 1091 | 0.0656 |
| 1092 | 0.0671429 |
| 1093 | 0.0674 |
| 1094 | 0.07 |
| 1095 | 0.07 |
| 1096 | 0.0714286 |
| 1097 | 0.0717778 |
| 1098 | 0.0718889 |
| 1099 | 0.0734286 |

| | |
|---|---|
| 1100 | 0.074 |
| 1101 | 0.0758 |
| 1102 | 0.075875 |
| 1103 | 0.0761429 |
| 1104 | 0.077 |
| 1105 | 0.0788889 |
| 1106 | 0.0791429 |
| 1107 | 0.0814286 |
| 1108 | 0.08275 |
| 1109 | 0.0833333 |
| 1110 | 0.0848889 |
| 1111 | 0.0855 |
| 1112 | 0.0872727 |
| 1113 | 0.088 |
| 1114 | 0.0885 |
| 1115 | 0.09 |
| 1116 | 0.09 |
| 1117 | 0.096 |
| 1118 | 0.0966 |
| 1119 | 0.0968333 |
| 1120 | 0.098 |
| 1121 | 0.1 |
| 1122 | 0.103333 |
| 1123 | 0.105 |
| 1124 | 0.10675 |
| 1125 | 0.108333 |
| 1126 | 0.113167 |
| 1127 | 0.115 |
| 1128 | 0.117667 |
| 1129 | 0.122 |
| 1130 | 0.125 |
| 1131 | 0.128333 |
| 1132 | 0.13 |
| 1133 | 0.13 |
| 1134 | 0.13 |
| 1135 | 0.131667 |
| 1136 | 0.132 |
| 1137 | 0.1325 |
| 1138 | 0.133333 |
| 1139 | 0.1348 |
| 1140 | 0.135 |
| 1141 | 0.1356 |
| 1142 | 0.138333 |
| 1143 | 0.1465 |
| 1144 | 0.146667 |
| 1145 | 0.15 |
| 1146 | 0.157 |
| 1147 | 0.16 |
| 1148 | 0.1635 |
| 1149 | 0.1648 |
| 1150 | 0.165667 |
| 1151 | 0.191333 |
| 1152 | 0.1945 |
| 1153 | 0.21 |
| 1154 | 0.21 |
| 1155 | 0.215 |
| 1156 | 0.22 |

| | |
|---|---|
| 1157 | 0.252333 |
| 1158 | 0.258 |
| 1159 | 0.259 |
| 1160 | 0.259667 |
| 1161 | 0.26 |
| 1162 | 0.29 |
| 1163 | 0.304 |
| 1164 | 0.318 |
| 1165 | 0.32 |
| 1166 | 0.343 |
| 1167 | 0.39 |
| 1168 | 0.39 |
| 1169 | 0.397 |
| 1170 | 0.49 |
| 1171 | 0.507 |
| 1172 | 0.514 |
| 1173 | 0.553 |
| 1174 | 0.64 |
| 1175 | 0.76 |
| 1176 | 0.84 |

Sen's Estimator (Median Q) is 0.00139076

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.89 | 2 |
| 2 | 0.58 | 2 |
| 3 | 0.83 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |

| | |
|---|---|
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 54
B = 0
C = 0
D = 0
E = 6
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13455.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.801
M1 = (1176 - 190.801)/2.0 = 492.6
M2 = (1176 + 190.801)/2.0 + 1 = 684.4
Lower limit is -0.00326316 = Q(493)
Upper limit is 0.00570833 = Q(684)
-0.00326316 < 0 < 0.00570833 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SS 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.62 (5/8/2013) | 0.39 (3/12/2013) | (0.62 - 0.39)/(2 - 1) | 0.23 |
| 1.3 (9/23/2013) | 0.39 (3/12/2013) | (1.3 - 0.39)/(3 - 1) | 0.455 |
| 0.67 (12/10/2013) | 0.39 (3/12/2013) | (0.67 - 0.39)/(4 - 1) | 0.0933333 |
| 0.86 (2/6/2014) | 0.39 (3/12/2013) | (0.86 - 0.39)/(5 - 1) | 0.1175 |
| 0.4 (6/26/2014) | 0.39 (3/12/2013) | (0.4 - 0.39)/(6 - 1) | 0.002 |
| 0.45 (9/30/2014) | 0.39 (3/12/2013) | (0.45 - 0.39)/(7 - 1) | 0.01 |
| 0.35 (11/19/2014) | 0.39 (3/12/2013) | (0.35 - 0.39)/(8 - 1) | -0.00571429 |
| 0.46 (3/23/2015) | 0.39 (3/12/2013) | (0.46 - 0.39)/(9 - 1) | 0.00875 |
| 0.47 (4/22/2015) | 0.39 (3/12/2013) | (0.47 - 0.39)/(10 - 1) | 0.00888889 |
| 0.61 (9/30/2015) | 0.39 (3/12/2013) | (0.61 - 0.39)/(11 - 1) | 0.022 |
| ND<0.25 U (11/19/2015) | 0.39 (3/12/2013) | (0.25 - 0.39)/(12 - 1) | -0.0127273 |
| 0.28 (3/15/2016) | 0.39 (3/12/2013) | (0.28 - 0.39)/(13 - 1) | -0.00916667 |
| 0.48 (6/29/2016) | 0.39 (3/12/2013) | (0.48 - 0.39)/(14 - 1) | 0.00692308 |
| 0.46 (8/9/2016) | 0.39 (3/12/2013) | (0.46 - 0.39)/(15 - 1) | 0.005 |
| 0.42 (12/7/2016) | 0.39 (3/12/2013) | (0.42 - 0.39)/(16 - 1) | 0.002 |
| 0.77 (3/2/2017) | 0.39 (3/12/2013) | (0.77 - 0.39)/(17 - 1) | 0.02375 |
| 0.47 (7/5/2017) | 0.39 (3/12/2013) | (0.47 - 0.39)/(18 - 1) | 0.00470588 |
| 0.49 (8/16/2017) | 0.39 (3/12/2013) | (0.49 - 0.39)/(19 - 1) | 0.00555556 |
| 0.53 (10/25/2017) | 0.39 (3/12/2013) | (0.53 - 0.39)/(20 - 1) | 0.00736842 |
| ND<0.25 U (3/28/2018) | 0.39 (3/12/2013) | (0.25 - 0.39)/(21 - 1) | -0.007 |
| 0.605 (6/29/2018) | 0.39 (3/12/2013) | (0.605 - 0.39)/(22 - 1) | 0.0102381 |
| 0.554 (8/2/2018) | 0.39 (3/12/2013) | (0.554 - 0.39)/(23 - 1) | 0.00745455 |
| 0.522 (12/10/2018) | 0.39 (3/12/2013) | (0.522 - 0.39)/(24 - 1) | 0.00573913 |
| 0.374 (4/15/2019) | 0.39 (3/12/2013) | (0.374 - 0.39)/(25 - 1) | -0.000666667 |
| ND<0.25 U (6/12/2019) | 0.39 (3/12/2013) | (0.25 - 0.39)/(26 - 1) | -0.0056 |
| 0.508 (8/27/2019) | 0.39 (3/12/2013) | (0.508 - 0.39)/(27 - 1) | 0.00453846 |
| 0.631 (10/29/2019) | 0.39 (3/12/2013) | (0.631 - 0.39)/(28 - 1) | 0.00892593 |
| 0.399 (3/30/2020) | 0.39 (3/12/2013) | (0.399 - 0.39)/(29 - 1) | 0.000321429 |
| 0.534 (6/16/2020) | 0.39 (3/12/2013) | (0.534 - 0.39)/(30 - 1) | 0.00496552 |
| 0.512 (9/21/2020) | 0.39 (3/12/2013) | (0.512 - 0.39)/(31 - 1) | 0.00406667 |
| 0.428 (12/17/2020) | 0.39 (3/12/2013) | (0.428 - 0.39)/(32 - 1) | 0.00122581 |
| 0.57 (3/18/2021) | 0.39 (3/12/2013) | (0.57 - 0.39)/(33 - 1) | 0.005625 |
| 0.576 (5/5/2021) | 0.39 (3/12/2013) | (0.576 - 0.39)/(34 - 1) | 0.00563636 |
| 0.431 (9/2/2021) | 0.39 (3/12/2013) | (0.431 - 0.39)/(35 - 1) | 0.00120588 |
| ND<0.25 U (11/23/2021) | 0.39 (3/12/2013) | (0.25 - 0.39)/(36 - 1) | -0.004 |
| 1.3 (1/11/2022) | 0.39 (3/12/2013) | (1.3 - 0.39)/(37 - 1) | 0.0252778 |
| 0.516 (4/7/2022) | 0.39 (3/12/2013) | (0.516 - 0.39)/(38 - 1) | 0.00340541 |
| 0.812 (8/2/2022) | 0.39 (3/12/2013) | (0.812 - 0.39)/(39 - 1) | 0.0111053 |
| 0.314 (11/16/2022) | 0.39 (3/12/2013) | (0.314 - 0.39)/(40 - 1) | -0.00194872 |
| 0.344 (2/14/2023) | 0.39 (3/12/2013) | (0.344 - 0.39)/(41 - 1) | -0.00115 |
| 0.638 (5/25/2023) | 0.39 (3/12/2013) | (0.638 - 0.39)/(42 - 1) | 0.00604878 |
| 0.636 (8/7/2023) | 0.39 (3/12/2013) | (0.636 - 0.39)/(43 - 1) | 0.00585714 |
| 0.573 (12/12/2023) | 0.39 (3/12/2013) | (0.573 - 0.39)/(44 - 1) | 0.00425581 |
| 0.576 (1/10/2024) | 0.39 (3/12/2013) | (0.576 - 0.39)/(45 - 1) | 0.00422727 |
| 0.261 (5/21/2024) | 0.39 (3/12/2013) | (0.261 - 0.39)/(46 - 1) | -0.00286667 |
| 0.75 (9/16/2024) | 0.39 (3/12/2013) | (0.75 - 0.39)/(47 - 1) | 0.00782609 |
| 0.451 (12/11/2024) | 0.39 (3/12/2013) | (0.451 - 0.39)/(48 - 1) | 0.00129787 |
| 0.522 (2/18/2025) | 0.39 (3/12/2013) | (0.522 - 0.39)/(49 - 1) | 0.00275 |

| | | | |
|---|---|---|---|
| 1.3 (9/23/2013) | 0.62 (5/8/2013) | (1.3 - 0.62)/(3 - 2) | 0.68 |
| 0.67 (12/10/2013) | 0.62 (5/8/2013) | (0.67 - 0.62)/(4 - 2) | 0.025 |
| 0.86 (2/6/2014) | 0.62 (5/8/2013) | (0.86 - 0.62)/(5 - 2) | 0.08 |
| 0.4 (6/26/2014) | 0.62 (5/8/2013) | (0.4 - 0.62)/(6 - 2) | -0.055 |
| 0.45 (9/30/2014) | 0.62 (5/8/2013) | (0.45 - 0.62)/(7 - 2) | -0.034 |
| 0.35 (11/19/2014) | 0.62 (5/8/2013) | (0.35 - 0.62)/(8 - 2) | -0.045 |
| 0.46 (3/23/2015) | 0.62 (5/8/2013) | (0.46 - 0.62)/(9 - 2) | -0.0228571 |
| 0.47 (4/22/2015) | 0.62 (5/8/2013) | (0.47 - 0.62)/(10 - 2) | -0.01875 |
| 0.61 (9/30/2015) | 0.62 (5/8/2013) | (0.61 - 0.62)/(11 - 2) | -0.00111111 |
| ND<0.25 U (11/19/2015) | 0.62 (5/8/2013) | (0.25 - 0.62)/(12 - 2) | -0.037 |
| 0.28 (3/15/2016) | 0.62 (5/8/2013) | (0.28 - 0.62)/(13 - 2) | -0.0309091 |
| 0.48 (6/29/2016) | 0.62 (5/8/2013) | (0.48 - 0.62)/(14 - 2) | -0.0116667 |
| 0.46 (8/9/2016) | 0.62 (5/8/2013) | (0.46 - 0.62)/(15 - 2) | -0.0123077 |
| 0.42 (12/7/2016) | 0.62 (5/8/2013) | (0.42 - 0.62)/(16 - 2) | -0.0142857 |
| 0.77 (3/2/2017) | 0.62 (5/8/2013) | (0.77 - 0.62)/(17 - 2) | 0.01 |
| 0.47 (7/5/2017) | 0.62 (5/8/2013) | (0.47 - 0.62)/(18 - 2) | -0.009375 |
| 0.49 (8/16/2017) | 0.62 (5/8/2013) | (0.49 - 0.62)/(19 - 2) | -0.00764706 |
| 0.53 (10/25/2017) | 0.62 (5/8/2013) | (0.53 - 0.62)/(20 - 2) | -0.005 |
| ND<0.25 U (3/28/2018) | 0.62 (5/8/2013) | (0.25 - 0.62)/(21 - 2) | -0.0194737 |
| 0.605 (6/29/2018) | 0.62 (5/8/2013) | (0.605 - 0.62)/(22 - 2) | -0.00075 |
| 0.554 (8/2/2018) | 0.62 (5/8/2013) | (0.554 - 0.62)/(23 - 2) | -0.00314286 |
| 0.522 (12/10/2018) | 0.62 (5/8/2013) | (0.522 - 0.62)/(24 - 2) | -0.00445455 |
| 0.374 (4/15/2019) | 0.62 (5/8/2013) | (0.374 - 0.62)/(25 - 2) | -0.0106957 |
| ND<0.25 U (6/12/2019) | 0.62 (5/8/2013) | (0.25 - 0.62)/(26 - 2) | -0.0154167 |
| 0.508 (8/27/2019) | 0.62 (5/8/2013) | (0.508 - 0.62)/(27 - 2) | -0.00448 |
| 0.631 (10/29/2019) | 0.62 (5/8/2013) | (0.631 - 0.62)/(28 - 2) | 0.000423077 |
| 0.399 (3/30/2020) | 0.62 (5/8/2013) | (0.399 - 0.62)/(29 - 2) | -0.00818519 |
| 0.534 (6/16/2020) | 0.62 (5/8/2013) | (0.534 - 0.62)/(30 - 2) | -0.00307143 |
| 0.512 (9/21/2020) | 0.62 (5/8/2013) | (0.512 - 0.62)/(31 - 2) | -0.00372414 |
| 0.428 (12/17/2020) | 0.62 (5/8/2013) | (0.428 - 0.62)/(32 - 2) | -0.0064 |
| 0.57 (3/18/2021) | 0.62 (5/8/2013) | (0.57 - 0.62)/(33 - 2) | -0.0016129 |
| 0.576 (5/5/2021) | 0.62 (5/8/2013) | (0.576 - 0.62)/(34 - 2) | -0.001375 |
| 0.431 (9/2/2021) | 0.62 (5/8/2013) | (0.431 - 0.62)/(35 - 2) | -0.00572727 |
| ND<0.25 U (11/23/2021) | 0.62 (5/8/2013) | (0.25 - 0.62)/(36 - 2) | -0.0108824 |
| 1.3 (1/11/2022) | 0.62 (5/8/2013) | (1.3 - 0.62)/(37 - 2) | 0.0194286 |
| 0.516 (4/7/2022) | 0.62 (5/8/2013) | (0.516 - 0.62)/(38 - 2) | -0.00288889 |
| 0.812 (8/2/2022) | 0.62 (5/8/2013) | (0.812 - 0.62)/(39 - 2) | 0.00518919 |
| 0.314 (11/16/2022) | 0.62 (5/8/2013) | (0.314 - 0.62)/(40 - 2) | -0.00805263 |
| 0.344 (2/14/2023) | 0.62 (5/8/2013) | (0.344 - 0.62)/(41 - 2) | -0.00707692 |
| 0.638 (5/25/2023) | 0.62 (5/8/2013) | (0.638 - 0.62)/(42 - 2) | 0.00045 |
| 0.636 (8/7/2023) | 0.62 (5/8/2013) | (0.636 - 0.62)/(43 - 2) | 0.000390244 |
| 0.573 (12/12/2023) | 0.62 (5/8/2013) | (0.573 - 0.62)/(44 - 2) | -0.00111905 |
| 0.576 (1/10/2024) | 0.62 (5/8/2013) | (0.576 - 0.62)/(45 - 2) | -0.00102326 |
| 0.261 (5/21/2024) | 0.62 (5/8/2013) | (0.261 - 0.62)/(46 - 2) | -0.00815909 |
| 0.75 (9/16/2024) | 0.62 (5/8/2013) | (0.75 - 0.62)/(47 - 2) | 0.00288889 |
| 0.451 (12/11/2024) | 0.62 (5/8/2013) | (0.451 - 0.62)/(48 - 2) | -0.00367391 |
| 0.522 (2/18/2025) | 0.62 (5/8/2013) | (0.522 - 0.62)/(49 - 2) | -0.00208511 |
| | | | |
| 0.67 (12/10/2013) | 1.3 (9/23/2013) | (0.67 - 1.3)/(4 - 3) | -0.63 |
| 0.86 (2/6/2014) | 1.3 (9/23/2013) | (0.86 - 1.3)/(5 - 3) | -0.22 |
| 0.4 (6/26/2014) | 1.3 (9/23/2013) | (0.4 - 1.3)/(6 - 3) | -0.3 |
| 0.45 (9/30/2014) | 1.3 (9/23/2013) | (0.45 - 1.3)/(7 - 3) | -0.2125 |
| 0.35 (11/19/2014) | 1.3 (9/23/2013) | (0.35 - 1.3)/(8 - 3) | -0.19 |
| 0.46 (3/23/2015) | 1.3 (9/23/2013) | (0.46 - 1.3)/(9 - 3) | -0.14 |
| 0.47 (4/22/2015) | 1.3 (9/23/2013) | (0.47 - 1.3)/(10 - 3) | -0.118571 |
| 0.61 (9/30/2015) | 1.3 (9/23/2013) | (0.61 - 1.3)/(11 - 3) | -0.08625 |

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|---|---|---|---|
| ND<0.25 U (11/19/2015) | 1.3 (9/23/2013) | (0.25 - 1.3)/(12 - 3) | -0.116667 |
| 0.28 (3/15/2016) | 1.3 (9/23/2013) | (0.28 - 1.3)/(13 - 3) | -0.102 |
| 0.48 (6/29/2016) | 1.3 (9/23/2013) | (0.48 - 1.3)/(14 - 3) | -0.0745455 |
| 0.46 (8/9/2016) | 1.3 (9/23/2013) | (0.46 - 1.3)/(15 - 3) | -0.07 |
| 0.42 (12/7/2016) | 1.3 (9/23/2013) | (0.42 - 1.3)/(16 - 3) | -0.0676923 |
| 0.77 (3/2/2017) | 1.3 (9/23/2013) | (0.77 - 1.3)/(17 - 3) | -0.0378571 |
| 0.47 (7/5/2017) | 1.3 (9/23/2013) | (0.47 - 1.3)/(18 - 3) | -0.0553333 |
| 0.49 (8/16/2017) | 1.3 (9/23/2013) | (0.49 - 1.3)/(19 - 3) | -0.050625 |
| 0.53 (10/25/2017) | 1.3 (9/23/2013) | (0.53 - 1.3)/(20 - 3) | -0.0452941 |
| ND<0.25 U (3/28/2018) | 1.3 (9/23/2013) | (0.25 - 1.3)/(21 - 3) | -0.0583333 |
| 0.605 (6/29/2018) | 1.3 (9/23/2013) | (0.605 - 1.3)/(22 - 3) | -0.0365789 |
| 0.554 (8/2/2018) | 1.3 (9/23/2013) | (0.554 - 1.3)/(23 - 3) | -0.0373 |
| 0.522 (12/10/2018) | 1.3 (9/23/2013) | (0.522 - 1.3)/(24 - 3) | -0.0370476 |
| 0.374 (4/15/2019) | 1.3 (9/23/2013) | (0.374 - 1.3)/(25 - 3) | -0.0420909 |
| ND<0.25 U (6/12/2019) | 1.3 (9/23/2013) | (0.25 - 1.3)/(26 - 3) | -0.0456522 |
| 0.508 (8/27/2019) | 1.3 (9/23/2013) | (0.508 - 1.3)/(27 - 3) | -0.033 |
| 0.631 (10/29/2019) | 1.3 (9/23/2013) | (0.631 - 1.3)/(28 - 3) | -0.02676 |
| 0.399 (3/30/2020) | 1.3 (9/23/2013) | (0.399 - 1.3)/(29 - 3) | -0.0346538 |
| 0.534 (6/16/2020) | 1.3 (9/23/2013) | (0.534 - 1.3)/(30 - 3) | -0.0283704 |
| 0.512 (9/21/2020) | 1.3 (9/23/2013) | (0.512 - 1.3)/(31 - 3) | -0.0281429 |
| 0.428 (12/17/2020) | 1.3 (9/23/2013) | (0.428 - 1.3)/(32 - 3) | -0.030069 |
| 0.57 (3/18/2021) | 1.3 (9/23/2013) | (0.57 - 1.3)/(33 - 3) | -0.0243333 |
| 0.576 (5/5/2021) | 1.3 (9/23/2013) | (0.576 - 1.3)/(34 - 3) | -0.0233548 |
| 0.431 (9/2/2021) | 1.3 (9/23/2013) | (0.431 - 1.3)/(35 - 3) | -0.0271562 |
| ND<0.25 U (11/23/2021) | 1.3 (9/23/2013) | (0.25 - 1.3)/(36 - 3) | -0.0318182 |
| 1.3 (1/11/2022) | 1.3 (9/23/2013) | (1.3 - 1.3)/(37 - 3) | 0 |
| 0.516 (4/7/2022) | 1.3 (9/23/2013) | (0.516 - 1.3)/(38 - 3) | -0.0224 |
| 0.812 (8/2/2022) | 1.3 (9/23/2013) | (0.812 - 1.3)/(39 - 3) | -0.0135556 |
| 0.314 (11/16/2022) | 1.3 (9/23/2013) | (0.314 - 1.3)/(40 - 3) | -0.0266486 |
| 0.344 (2/14/2023) | 1.3 (9/23/2013) | (0.344 - 1.3)/(41 - 3) | -0.0251579 |
| 0.638 (5/25/2023) | 1.3 (9/23/2013) | (0.638 - 1.3)/(42 - 3) | -0.0169744 |
| 0.636 (8/7/2023) | 1.3 (9/23/2013) | (0.636 - 1.3)/(43 - 3) | -0.0166 |
| 0.573 (12/12/2023) | 1.3 (9/23/2013) | (0.573 - 1.3)/(44 - 3) | -0.0177317 |
| 0.576 (1/10/2024) | 1.3 (9/23/2013) | (0.576 - 1.3)/(45 - 3) | -0.0172381 |
| 0.261 (5/21/2024) | 1.3 (9/23/2013) | (0.261 - 1.3)/(46 - 3) | -0.0241628 |
| 0.75 (9/16/2024) | 1.3 (9/23/2013) | (0.75 - 1.3)/(47 - 3) | -0.0125 |
| 0.451 (12/11/2024) | 1.3 (9/23/2013) | (0.451 - 1.3)/(48 - 3) | -0.0188667 |
| 0.522 (2/18/2025) | 1.3 (9/23/2013) | (0.522 - 1.3)/(49 - 3) | -0.016913 |
| | | | |
| 0.86 (2/6/2014) | 0.67 (12/10/2013) | (0.86 - 0.67)/(5 - 4) | 0.19 |
| 0.4 (6/26/2014) | 0.67 (12/10/2013) | (0.4 - 0.67)/(6 - 4) | -0.135 |
| 0.45 (9/30/2014) | 0.67 (12/10/2013) | (0.45 - 0.67)/(7 - 4) | -0.0733333 |
| 0.35 (11/19/2014) | 0.67 (12/10/2013) | (0.35 - 0.67)/(8 - 4) | -0.08 |
| 0.46 (3/23/2015) | 0.67 (12/10/2013) | (0.46 - 0.67)/(9 - 4) | -0.042 |
| 0.47 (4/22/2015) | 0.67 (12/10/2013) | (0.47 - 0.67)/(10 - 4) | -0.0333333 |
| 0.61 (9/30/2015) | 0.67 (12/10/2013) | (0.61 - 0.67)/(11 - 4) | -0.00857143 |
| ND<0.25 U (11/19/2015) | 0.67 (12/10/2013) | (0.25 - 0.67)/(12 - 4) | -0.0525 |
| 0.28 (3/15/2016) | 0.67 (12/10/2013) | (0.28 - 0.67)/(13 - 4) | -0.0433333 |
| 0.48 (6/29/2016) | 0.67 (12/10/2013) | (0.48 - 0.67)/(14 - 4) | -0.019 |
| 0.46 (8/9/2016) | 0.67 (12/10/2013) | (0.46 - 0.67)/(15 - 4) | -0.0190909 |
| 0.42 (12/7/2016) | 0.67 (12/10/2013) | (0.42 - 0.67)/(16 - 4) | -0.0208333 |
| 0.77 (3/2/2017) | 0.67 (12/10/2013) | (0.77 - 0.67)/(17 - 4) | 0.00769231 |
| 0.47 (7/5/2017) | 0.67 (12/10/2013) | (0.47 - 0.67)/(18 - 4) | -0.0142857 |
| 0.49 (8/16/2017) | 0.67 (12/10/2013) | (0.49 - 0.67)/(19 - 4) | -0.012 |
| 0.53 (10/25/2017) | 0.67 (12/10/2013) | (0.53 - 0.67)/(20 - 4) | -0.00875 |
| ND<0.25 U (3/28/2018) | 0.67 (12/10/2013) | (0.25 - 0.67)/(21 - 4) | -0.0247059 |
| 0.605 (6/29/2018) | 0.67 (12/10/2013) | (0.605 - 0.67)/(22 - 4) | -0.00361111 |

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|---|---|---|---|
| 0.554 (8/2/2018) | 0.67 (12/10/2013) | (0.554 - 0.67)/(23 - 4) | -0.00610526 |
| 0.522 (12/10/2018) | 0.67 (12/10/2013) | (0.522 - 0.67)/(24 - 4) | -0.0074 |
| 0.374 (4/15/2019) | 0.67 (12/10/2013) | (0.374 - 0.67)/(25 - 4) | -0.0140952 |
| ND<0.25 U (6/12/2019) | 0.67 (12/10/2013) | (0.25 - 0.67)/(26 - 4) | -0.0190909 |
| 0.508 (8/27/2019) | 0.67 (12/10/2013) | (0.508 - 0.67)/(27 - 4) | -0.00704348 |
| 0.631 (10/29/2019) | 0.67 (12/10/2013) | (0.631 - 0.67)/(28 - 4) | -0.001625 |
| 0.399 (3/30/2020) | 0.67 (12/10/2013) | (0.399 - 0.67)/(29 - 4) | -0.01084 |
| 0.534 (6/16/2020) | 0.67 (12/10/2013) | (0.534 - 0.67)/(30 - 4) | -0.00523077 |
| 0.512 (9/21/2020) | 0.67 (12/10/2013) | (0.512 - 0.67)/(31 - 4) | -0.00585185 |
| 0.428 (12/17/2020) | 0.67 (12/10/2013) | (0.428 - 0.67)/(32 - 4) | -0.00864286 |
| 0.57 (3/18/2021) | 0.67 (12/10/2013) | (0.57 - 0.67)/(33 - 4) | -0.00344828 |
| 0.576 (5/5/2021) | 0.67 (12/10/2013) | (0.576 - 0.67)/(34 - 4) | -0.00313333 |
| 0.431 (9/2/2021) | 0.67 (12/10/2013) | (0.431 - 0.67)/(35 - 4) | -0.00770968 |
| ND<0.25 U (11/23/2021) | 0.67 (12/10/2013) | (0.25 - 0.67)/(36 - 4) | -0.013125 |
| 1.3 (1/11/2022) | 0.67 (12/10/2013) | (1.3 - 0.67)/(37 - 4) | 0.0190909 |
| 0.516 (4/7/2022) | 0.67 (12/10/2013) | (0.516 - 0.67)/(38 - 4) | -0.00452941 |
| 0.812 (8/2/2022) | 0.67 (12/10/2013) | (0.812 - 0.67)/(39 - 4) | 0.00405714 |
| 0.314 (11/16/2022) | 0.67 (12/10/2013) | (0.314 - 0.67)/(40 - 4) | -0.00988889 |
| 0.344 (2/14/2023) | 0.67 (12/10/2013) | (0.344 - 0.67)/(41 - 4) | -0.00881081 |
| 0.638 (5/25/2023) | 0.67 (12/10/2013) | (0.638 - 0.67)/(42 - 4) | -0.000842105 |
| 0.636 (8/7/2023) | 0.67 (12/10/2013) | (0.636 - 0.67)/(43 - 4) | -0.000871795 |
| 0.573 (12/12/2023) | 0.67 (12/10/2013) | (0.573 - 0.67)/(44 - 4) | -0.002425 |
| 0.576 (1/10/2024) | 0.67 (12/10/2013) | (0.576 - 0.67)/(45 - 4) | -0.00229268 |
| 0.261 (5/21/2024) | 0.67 (12/10/2013) | (0.261 - 0.67)/(46 - 4) | -0.0097381 |
| 0.75 (9/16/2024) | 0.67 (12/10/2013) | (0.75 - 0.67)/(47 - 4) | 0.00186047 |
| 0.451 (12/11/2024) | 0.67 (12/10/2013) | (0.451 - 0.67)/(48 - 4) | -0.00497727 |
| 0.522 (2/18/2025) | 0.67 (12/10/2013) | (0.522 - 0.67)/(49 - 4) | -0.00328889 |

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|---|---|---|---|
| 0.4 (6/26/2014) | 0.86 (2/6/2014) | (0.4 - 0.86)/(6 - 5) | -0.46 |
| 0.45 (9/30/2014) | 0.86 (2/6/2014) | (0.45 - 0.86)/(7 - 5) | -0.205 |
| 0.35 (11/19/2014) | 0.86 (2/6/2014) | (0.35 - 0.86)/(8 - 5) | -0.17 |
| 0.46 (3/23/2015) | 0.86 (2/6/2014) | (0.46 - 0.86)/(9 - 5) | -0.1 |
| 0.47 (4/22/2015) | 0.86 (2/6/2014) | (0.47 - 0.86)/(10 - 5) | -0.078 |
| 0.61 (9/30/2015) | 0.86 (2/6/2014) | (0.61 - 0.86)/(11 - 5) | -0.0416667 |
| ND<0.25 U (11/19/2015) | 0.86 (2/6/2014) | (0.25 - 0.86)/(12 - 5) | -0.0871429 |
| 0.28 (3/15/2016) | 0.86 (2/6/2014) | (0.28 - 0.86)/(13 - 5) | -0.0725 |
| 0.48 (6/29/2016) | 0.86 (2/6/2014) | (0.48 - 0.86)/(14 - 5) | -0.0422222 |
| 0.46 (8/9/2016) | 0.86 (2/6/2014) | (0.46 - 0.86)/(15 - 5) | -0.04 |
| 0.42 (12/7/2016) | 0.86 (2/6/2014) | (0.42 - 0.86)/(16 - 5) | -0.04 |
| 0.77 (3/2/2017) | 0.86 (2/6/2014) | (0.77 - 0.86)/(17 - 5) | -0.0075 |
| 0.47 (7/5/2017) | 0.86 (2/6/2014) | (0.47 - 0.86)/(18 - 5) | -0.03 |
| 0.49 (8/16/2017) | 0.86 (2/6/2014) | (0.49 - 0.86)/(19 - 5) | -0.0264286 |
| 0.53 (10/25/2017) | 0.86 (2/6/2014) | (0.53 - 0.86)/(20 - 5) | -0.022 |
| ND<0.25 U (3/28/2018) | 0.86 (2/6/2014) | (0.25 - 0.86)/(21 - 5) | -0.038125 |
| 0.605 (6/29/2018) | 0.86 (2/6/2014) | (0.605 - 0.86)/(22 - 5) | -0.015 |
| 0.554 (8/2/2018) | 0.86 (2/6/2014) | (0.554 - 0.86)/(23 - 5) | -0.017 |
| 0.522 (12/10/2018) | 0.86 (2/6/2014) | (0.522 - 0.86)/(24 - 5) | -0.0177895 |
| 0.374 (4/15/2019) | 0.86 (2/6/2014) | (0.374 - 0.86)/(25 - 5) | -0.0243 |
| ND<0.25 U (6/12/2019) | 0.86 (2/6/2014) | (0.25 - 0.86)/(26 - 5) | -0.0290476 |
| 0.508 (8/27/2019) | 0.86 (2/6/2014) | (0.508 - 0.86)/(27 - 5) | -0.016 |
| 0.631 (10/29/2019) | 0.86 (2/6/2014) | (0.631 - 0.86)/(28 - 5) | -0.00995652 |
| 0.399 (3/30/2020) | 0.86 (2/6/2014) | (0.399 - 0.86)/(29 - 5) | -0.0192083 |
| 0.534 (6/16/2020) | 0.86 (2/6/2014) | (0.534 - 0.86)/(30 - 5) | -0.01304 |
| 0.512 (9/21/2020) | 0.86 (2/6/2014) | (0.512 - 0.86)/(31 - 5) | -0.0133846 |
| 0.428 (12/17/2020) | 0.86 (2/6/2014) | (0.428 - 0.86)/(32 - 5) | -0.016 |
| 0.57 (3/18/2021) | 0.86 (2/6/2014) | (0.57 - 0.86)/(33 - 5) | -0.0103571 |
| 0.576 (5/5/2021) | 0.86 (2/6/2014) | (0.576 - 0.86)/(34 - 5) | -0.0097931 |

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|---|---|---|---|
| 0.431 (9/2/2021) | 0.86 (2/6/2014) | (0.431 - 0.86)/(35 - 5) | -0.0143 |
| ND<0.25 U (11/23/2021) | 0.86 (2/6/2014) | (0.25 - 0.86)/(36 - 5) | -0.0196774 |
| 1.3 (1/11/2022) | 0.86 (2/6/2014) | (1.3 - 0.86)/(37 - 5) | 0.01375 |
| 0.516 (4/7/2022) | 0.86 (2/6/2014) | (0.516 - 0.86)/(38 - 5) | -0.0104242 |
| 0.812 (8/2/2022) | 0.86 (2/6/2014) | (0.812 - 0.86)/(39 - 5) | -0.00141176 |
| 0.314 (11/16/2022) | 0.86 (2/6/2014) | (0.314 - 0.86)/(40 - 5) | -0.0156 |
| 0.344 (2/14/2023) | 0.86 (2/6/2014) | (0.344 - 0.86)/(41 - 5) | -0.0143333 |
| 0.638 (5/25/2023) | 0.86 (2/6/2014) | (0.638 - 0.86)/(42 - 5) | -0.006 |
| 0.636 (8/7/2023) | 0.86 (2/6/2014) | (0.636 - 0.86)/(43 - 5) | -0.00589474 |
| 0.573 (12/12/2023) | 0.86 (2/6/2014) | (0.573 - 0.86)/(44 - 5) | -0.00735897 |
| 0.576 (1/10/2024) | 0.86 (2/6/2014) | (0.576 - 0.86)/(45 - 5) | -0.0071 |
| 0.261 (5/21/2024) | 0.86 (2/6/2014) | (0.261 - 0.86)/(46 - 5) | -0.0146098 |
| 0.75 (9/16/2024) | 0.86 (2/6/2014) | (0.75 - 0.86)/(47 - 5) | -0.00261905 |
| 0.451 (12/11/2024) | 0.86 (2/6/2014) | (0.451 - 0.86)/(48 - 5) | -0.00951163 |
| 0.522 (2/18/2025) | 0.86 (2/6/2014) | (0.522 - 0.86)/(49 - 5) | -0.00768182 |

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| 0.45 (9/30/2014) | 0.4 (6/26/2014) | (0.45 - 0.4)/(7 - 6) | 0.05 |
| 0.35 (11/19/2014) | 0.4 (6/26/2014) | (0.35 - 0.4)/(8 - 6) | -0.025 |
| 0.46 (3/23/2015) | 0.4 (6/26/2014) | (0.46 - 0.4)/(9 - 6) | 0.02 |
| 0.47 (4/22/2015) | 0.4 (6/26/2014) | (0.47 - 0.4)/(10 - 6) | 0.0175 |
| 0.61 (9/30/2015) | 0.4 (6/26/2014) | (0.61 - 0.4)/(11 - 6) | 0.042 |
| ND<0.25 U (11/19/2015) | 0.4 (6/26/2014) | (0.25 - 0.4)/(12 - 6) | -0.025 |
| 0.28 (3/15/2016) | 0.4 (6/26/2014) | (0.28 - 0.4)/(13 - 6) | -0.0171429 |
| 0.48 (6/29/2016) | 0.4 (6/26/2014) | (0.48 - 0.4)/(14 - 6) | 0.01 |
| 0.46 (8/9/2016) | 0.4 (6/26/2014) | (0.46 - 0.4)/(15 - 6) | 0.00666667 |
| 0.42 (12/7/2016) | 0.4 (6/26/2014) | (0.42 - 0.4)/(16 - 6) | 0.002 |
| 0.77 (3/2/2017) | 0.4 (6/26/2014) | (0.77 - 0.4)/(17 - 6) | 0.0336364 |
| 0.47 (7/5/2017) | 0.4 (6/26/2014) | (0.47 - 0.4)/(18 - 6) | 0.00583333 |
| 0.49 (8/16/2017) | 0.4 (6/26/2014) | (0.49 - 0.4)/(19 - 6) | 0.00692308 |
| 0.53 (10/25/2017) | 0.4 (6/26/2014) | (0.53 - 0.4)/(20 - 6) | 0.00928571 |
| ND<0.25 U (3/28/2018) | 0.4 (6/26/2014) | (0.25 - 0.4)/(21 - 6) | -0.01 |
| 0.605 (6/29/2018) | 0.4 (6/26/2014) | (0.605 - 0.4)/(22 - 6) | 0.0128125 |
| 0.554 (8/2/2018) | 0.4 (6/26/2014) | (0.554 - 0.4)/(23 - 6) | 0.00905882 |
| 0.522 (12/10/2018) | 0.4 (6/26/2014) | (0.522 - 0.4)/(24 - 6) | 0.00677778 |
| 0.374 (4/15/2019) | 0.4 (6/26/2014) | (0.374 - 0.4)/(25 - 6) | -0.00136842 |
| ND<0.25 U (6/12/2019) | 0.4 (6/26/2014) | (0.25 - 0.4)/(26 - 6) | -0.0075 |
| 0.508 (8/27/2019) | 0.4 (6/26/2014) | (0.508 - 0.4)/(27 - 6) | 0.00514286 |
| 0.631 (10/29/2019) | 0.4 (6/26/2014) | (0.631 - 0.4)/(28 - 6) | 0.0105 |
| 0.399 (3/30/2020) | 0.4 (6/26/2014) | (0.399 - 0.4)/(29 - 6) | -4.34783e-05 |
| 0.534 (6/16/2020) | 0.4 (6/26/2014) | (0.534 - 0.4)/(30 - 6) | 0.00558333 |
| 0.512 (9/21/2020) | 0.4 (6/26/2014) | (0.512 - 0.4)/(31 - 6) | 0.00448 |
| 0.428 (12/17/2020) | 0.4 (6/26/2014) | (0.428 - 0.4)/(32 - 6) | 0.00107692 |
| 0.57 (3/18/2021) | 0.4 (6/26/2014) | (0.57 - 0.4)/(33 - 6) | 0.0062963 |
| 0.576 (5/5/2021) | 0.4 (6/26/2014) | (0.576 - 0.4)/(34 - 6) | 0.00628571 |
| 0.431 (9/2/2021) | 0.4 (6/26/2014) | (0.431 - 0.4)/(35 - 6) | 0.00106897 |
| ND<0.25 U (11/23/2021) | 0.4 (6/26/2014) | (0.25 - 0.4)/(36 - 6) | -0.005 |
| 1.3 (1/11/2022) | 0.4 (6/26/2014) | (1.3 - 0.4)/(37 - 6) | 0.0290323 |
| 0.516 (4/7/2022) | 0.4 (6/26/2014) | (0.516 - 0.4)/(38 - 6) | 0.003625 |
| 0.812 (8/2/2022) | 0.4 (6/26/2014) | (0.812 - 0.4)/(39 - 6) | 0.0124848 |
| 0.314 (11/16/2022) | 0.4 (6/26/2014) | (0.314 - 0.4)/(40 - 6) | -0.00252941 |
| 0.344 (2/14/2023) | 0.4 (6/26/2014) | (0.344 - 0.4)/(41 - 6) | -0.0016 |
| 0.638 (5/25/2023) | 0.4 (6/26/2014) | (0.638 - 0.4)/(42 - 6) | 0.00661111 |
| 0.636 (8/7/2023) | 0.4 (6/26/2014) | (0.636 - 0.4)/(43 - 6) | 0.00637838 |
| 0.573 (12/12/2023) | 0.4 (6/26/2014) | (0.573 - 0.4)/(44 - 6) | 0.00455263 |
| 0.576 (1/10/2024) | 0.4 (6/26/2014) | (0.576 - 0.4)/(45 - 6) | 0.00451282 |
| 0.261 (5/21/2024) | 0.4 (6/26/2014) | (0.261 - 0.4)/(46 - 6) | -0.003475 |
| 0.75 (9/16/2024) | 0.4 (6/26/2014) | (0.75 - 0.4)/(47 - 6) | 0.00853659 |

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|---|---|---|---|
| 0.451 (12/11/2024) | 0.4 (6/26/2014) | (0.451 - 0.4)/(48 - 6) | 0.00121429 |
| 0.522 (2/18/2025) | 0.4 (6/26/2014) | (0.522 - 0.4)/(49 - 6) | 0.00283721 |
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| 0.35 (11/19/2014) | 0.45 (9/30/2014) | (0.35 - 0.45)/(8 - 7) | -0.1 |
| 0.46 (3/23/2015) | 0.45 (9/30/2014) | (0.46 - 0.45)/(9 - 7) | 0.005 |
| 0.47 (4/22/2015) | 0.45 (9/30/2014) | (0.47 - 0.45)/(10 - 7) | 0.00666667 |
| 0.61 (9/30/2015) | 0.45 (9/30/2014) | (0.61 - 0.45)/(11 - 7) | 0.04 |
| ND<0.25 U (11/19/2015) | 0.45 (9/30/2014) | (0.25 - 0.45)/(12 - 7) | -0.04 |
| 0.28 (3/15/2016) | 0.45 (9/30/2014) | (0.28 - 0.45)/(13 - 7) | -0.0283333 |
| 0.48 (6/29/2016) | 0.45 (9/30/2014) | (0.48 - 0.45)/(14 - 7) | 0.00428571 |
| 0.46 (8/9/2016) | 0.45 (9/30/2014) | (0.46 - 0.45)/(15 - 7) | 0.00125 |
| 0.42 (12/7/2016) | 0.45 (9/30/2014) | (0.42 - 0.45)/(16 - 7) | -0.00333333 |
| 0.77 (3/2/2017) | 0.45 (9/30/2014) | (0.77 - 0.45)/(17 - 7) | 0.032 |
| 0.47 (7/5/2017) | 0.45 (9/30/2014) | (0.47 - 0.45)/(18 - 7) | 0.00181818 |
| 0.49 (8/16/2017) | 0.45 (9/30/2014) | (0.49 - 0.45)/(19 - 7) | 0.00333333 |
| 0.53 (10/25/2017) | 0.45 (9/30/2014) | (0.53 - 0.45)/(20 - 7) | 0.00615385 |
| ND<0.25 U (3/28/2018) | 0.45 (9/30/2014) | (0.25 - 0.45)/(21 - 7) | -0.0142857 |
| 0.605 (6/29/2018) | 0.45 (9/30/2014) | (0.605 - 0.45)/(22 - 7) | 0.0103333 |
| 0.554 (8/2/2018) | 0.45 (9/30/2014) | (0.554 - 0.45)/(23 - 7) | 0.0065 |
| 0.522 (12/10/2018) | 0.45 (9/30/2014) | (0.522 - 0.45)/(24 - 7) | 0.00423529 |
| 0.374 (4/15/2019) | 0.45 (9/30/2014) | (0.374 - 0.45)/(25 - 7) | -0.00422222 |
| ND<0.25 U (6/12/2019) | 0.45 (9/30/2014) | (0.25 - 0.45)/(26 - 7) | -0.0105263 |
| 0.508 (8/27/2019) | 0.45 (9/30/2014) | (0.508 - 0.45)/(27 - 7) | 0.0029 |
| 0.631 (10/29/2019) | 0.45 (9/30/2014) | (0.631 - 0.45)/(28 - 7) | 0.00861905 |
| 0.399 (3/30/2020) | 0.45 (9/30/2014) | (0.399 - 0.45)/(29 - 7) | -0.00231818 |
| 0.534 (6/16/2020) | 0.45 (9/30/2014) | (0.534 - 0.45)/(30 - 7) | 0.00365217 |
| 0.512 (9/21/2020) | 0.45 (9/30/2014) | (0.512 - 0.45)/(31 - 7) | 0.00258333 |
| 0.428 (12/17/2020) | 0.45 (9/30/2014) | (0.428 - 0.45)/(32 - 7) | -0.00088 |
| 0.57 (3/18/2021) | 0.45 (9/30/2014) | (0.57 - 0.45)/(33 - 7) | 0.00461538 |
| 0.576 (5/5/2021) | 0.45 (9/30/2014) | (0.576 - 0.45)/(34 - 7) | 0.00466667 |
| 0.431 (9/2/2021) | 0.45 (9/30/2014) | (0.431 - 0.45)/(35 - 7) | -0.000678571 |
| ND<0.25 U (11/23/2021) | 0.45 (9/30/2014) | (0.25 - 0.45)/(36 - 7) | -0.00689655 |
| 1.3 (1/11/2022) | 0.45 (9/30/2014) | (1.3 - 0.45)/(37 - 7) | 0.0283333 |
| 0.516 (4/7/2022) | 0.45 (9/30/2014) | (0.516 - 0.45)/(38 - 7) | 0.00212903 |
| 0.812 (8/2/2022) | 0.45 (9/30/2014) | (0.812 - 0.45)/(39 - 7) | 0.0113125 |
| 0.314 (11/16/2022) | 0.45 (9/30/2014) | (0.314 - 0.45)/(40 - 7) | -0.00412121 |
| 0.344 (2/14/2023) | 0.45 (9/30/2014) | (0.344 - 0.45)/(41 - 7) | -0.00311765 |
| 0.638 (5/25/2023) | 0.45 (9/30/2014) | (0.638 - 0.45)/(42 - 7) | 0.00537143 |
| 0.636 (8/7/2023) | 0.45 (9/30/2014) | (0.636 - 0.45)/(43 - 7) | 0.00516667 |
| 0.573 (12/12/2023) | 0.45 (9/30/2014) | (0.573 - 0.45)/(44 - 7) | 0.00332432 |
| 0.576 (1/10/2024) | 0.45 (9/30/2014) | (0.576 - 0.45)/(45 - 7) | 0.00331579 |
| 0.261 (5/21/2024) | 0.45 (9/30/2014) | (0.261 - 0.45)/(46 - 7) | -0.00484615 |
| 0.75 (9/16/2024) | 0.45 (9/30/2014) | (0.75 - 0.45)/(47 - 7) | 0.0075 |
| 0.451 (12/11/2024) | 0.45 (9/30/2014) | (0.451 - 0.45)/(48 - 7) | 2.43902e-05 |
| 0.522 (2/18/2025) | 0.45 (9/30/2014) | (0.522 - 0.45)/(49 - 7) | 0.00171429 |
| | | | |
| 0.46 (3/23/2015) | 0.35 (11/19/2014) | (0.46 - 0.35)/(9 - 8) | 0.11 |
| 0.47 (4/22/2015) | 0.35 (11/19/2014) | (0.47 - 0.35)/(10 - 8) | 0.06 |
| 0.61 (9/30/2015) | 0.35 (11/19/2014) | (0.61 - 0.35)/(11 - 8) | 0.0866667 |
| ND<0.25 U (11/19/2015) | 0.35 (11/19/2014) | (0.25 - 0.35)/(12 - 8) | -0.025 |
| 0.28 (3/15/2016) | 0.35 (11/19/2014) | (0.28 - 0.35)/(13 - 8) | -0.014 |
| 0.48 (6/29/2016) | 0.35 (11/19/2014) | (0.48 - 0.35)/(14 - 8) | 0.0216667 |
| 0.46 (8/9/2016) | 0.35 (11/19/2014) | (0.46 - 0.35)/(15 - 8) | 0.0157143 |
| 0.42 (12/7/2016) | 0.35 (11/19/2014) | (0.42 - 0.35)/(16 - 8) | 0.00875 |
| 0.77 (3/2/2017) | 0.35 (11/19/2014) | (0.77 - 0.35)/(17 - 8) | 0.0466667 |
| 0.47 (7/5/2017) | 0.35 (11/19/2014) | (0.47 - 0.35)/(18 - 8) | 0.012 |
| 0.49 (8/16/2017) | 0.35 (11/19/2014) | (0.49 - 0.35)/(19 - 8) | 0.0127273 |

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|---|---|---|---|
| 0.53 (10/25/2017) | 0.35 (11/19/2014) | (0.53 - 0.35)/(20 - 8) | 0.015 |
| ND<0.25 U (3/28/2018) | 0.35 (11/19/2014) | (0.25 - 0.35)/(21 - 8) | -0.00769231 |
| 0.605 (6/29/2018) | 0.35 (11/19/2014) | (0.605 - 0.35)/(22 - 8) | 0.0182143 |
| 0.554 (8/2/2018) | 0.35 (11/19/2014) | (0.554 - 0.35)/(23 - 8) | 0.0136 |
| 0.522 (12/10/2018) | 0.35 (11/19/2014) | (0.522 - 0.35)/(24 - 8) | 0.01075 |
| 0.374 (4/15/2019) | 0.35 (11/19/2014) | (0.374 - 0.35)/(25 - 8) | 0.00141176 |
| ND<0.25 U (6/12/2019) | 0.35 (11/19/2014) | (0.25 - 0.35)/(26 - 8) | -0.00555556 |
| 0.508 (8/27/2019) | 0.35 (11/19/2014) | (0.508 - 0.35)/(27 - 8) | 0.00831579 |
| 0.631 (10/29/2019) | 0.35 (11/19/2014) | (0.631 - 0.35)/(28 - 8) | 0.01405 |
| 0.399 (3/30/2020) | 0.35 (11/19/2014) | (0.399 - 0.35)/(29 - 8) | 0.00233333 |
| 0.534 (6/16/2020) | 0.35 (11/19/2014) | (0.534 - 0.35)/(30 - 8) | 0.00836364 |
| 0.512 (9/21/2020) | 0.35 (11/19/2014) | (0.512 - 0.35)/(31 - 8) | 0.00704348 |
| 0.428 (12/17/2020) | 0.35 (11/19/2014) | (0.428 - 0.35)/(32 - 8) | 0.00325 |
| 0.57 (3/18/2021) | 0.35 (11/19/2014) | (0.57 - 0.35)/(33 - 8) | 0.0088 |
| 0.576 (5/5/2021) | 0.35 (11/19/2014) | (0.576 - 0.35)/(34 - 8) | 0.00869231 |
| 0.431 (9/2/2021) | 0.35 (11/19/2014) | (0.431 - 0.35)/(35 - 8) | 0.003 |
| ND<0.25 U (11/23/2021) | 0.35 (11/19/2014) | (0.25 - 0.35)/(36 - 8) | -0.00357143 |
| 1.3 (1/11/2022) | 0.35 (11/19/2014) | (1.3 - 0.35)/(37 - 8) | 0.0327586 |
| 0.516 (4/7/2022) | 0.35 (11/19/2014) | (0.516 - 0.35)/(38 - 8) | 0.00553333 |
| 0.812 (8/2/2022) | 0.35 (11/19/2014) | (0.812 - 0.35)/(39 - 8) | 0.0149032 |
| 0.314 (11/16/2022) | 0.35 (11/19/2014) | (0.314 - 0.35)/(40 - 8) | -0.001125 |
| 0.344 (2/14/2023) | 0.35 (11/19/2014) | (0.344 - 0.35)/(41 - 8) | -0.000181818 |
| 0.638 (5/25/2023) | 0.35 (11/19/2014) | (0.638 - 0.35)/(42 - 8) | 0.00847059 |
| 0.636 (8/7/2023) | 0.35 (11/19/2014) | (0.636 - 0.35)/(43 - 8) | 0.00817143 |
| 0.573 (12/12/2023) | 0.35 (11/19/2014) | (0.573 - 0.35)/(44 - 8) | 0.00619444 |
| 0.576 (1/10/2024) | 0.35 (11/19/2014) | (0.576 - 0.35)/(45 - 8) | 0.00610811 |
| 0.261 (5/21/2024) | 0.35 (11/19/2014) | (0.261 - 0.35)/(46 - 8) | -0.00234211 |
| 0.75 (9/16/2024) | 0.35 (11/19/2014) | (0.75 - 0.35)/(47 - 8) | 0.0102564 |
| 0.451 (12/11/2024) | 0.35 (11/19/2014) | (0.451 - 0.35)/(48 - 8) | 0.002525 |
| 0.522 (2/18/2025) | 0.35 (11/19/2014) | (0.522 - 0.35)/(49 - 8) | 0.00419512 |
| | | | |
| 0.47 (4/22/2015) | 0.46 (3/23/2015) | (0.47 - 0.46)/(10 - 9) | 0.01 |
| 0.61 (9/30/2015) | 0.46 (3/23/2015) | (0.61 - 0.46)/(11 - 9) | 0.075 |
| ND<0.25 U (11/19/2015) | 0.46 (3/23/2015) | (0.25 - 0.46)/(12 - 9) | -0.07 |
| 0.28 (3/15/2016) | 0.46 (3/23/2015) | (0.28 - 0.46)/(13 - 9) | -0.045 |
| 0.48 (6/29/2016) | 0.46 (3/23/2015) | (0.48 - 0.46)/(14 - 9) | 0.004 |
| 0.46 (8/9/2016) | 0.46 (3/23/2015) | (0.46 - 0.46)/(15 - 9) | 0 |
| 0.42 (12/7/2016) | 0.46 (3/23/2015) | (0.42 - 0.46)/(16 - 9) | -0.00571429 |
| 0.77 (3/2/2017) | 0.46 (3/23/2015) | (0.77 - 0.46)/(17 - 9) | 0.03875 |
| 0.47 (7/5/2017) | 0.46 (3/23/2015) | (0.47 - 0.46)/(18 - 9) | 0.00111111 |
| 0.49 (8/16/2017) | 0.46 (3/23/2015) | (0.49 - 0.46)/(19 - 9) | 0.003 |
| 0.53 (10/25/2017) | 0.46 (3/23/2015) | (0.53 - 0.46)/(20 - 9) | 0.00636364 |
| ND<0.25 U (3/28/2018) | 0.46 (3/23/2015) | (0.25 - 0.46)/(21 - 9) | -0.0175 |
| 0.605 (6/29/2018) | 0.46 (3/23/2015) | (0.605 - 0.46)/(22 - 9) | 0.0111538 |
| 0.554 (8/2/2018) | 0.46 (3/23/2015) | (0.554 - 0.46)/(23 - 9) | 0.00671429 |
| 0.522 (12/10/2018) | 0.46 (3/23/2015) | (0.522 - 0.46)/(24 - 9) | 0.00413333 |
| 0.374 (4/15/2019) | 0.46 (3/23/2015) | (0.374 - 0.46)/(25 - 9) | -0.005375 |
| ND<0.25 U (6/12/2019) | 0.46 (3/23/2015) | (0.25 - 0.46)/(26 - 9) | -0.0123529 |
| 0.508 (8/27/2019) | 0.46 (3/23/2015) | (0.508 - 0.46)/(27 - 9) | 0.00266667 |
| 0.631 (10/29/2019) | 0.46 (3/23/2015) | (0.631 - 0.46)/(28 - 9) | 0.009 |
| 0.399 (3/30/2020) | 0.46 (3/23/2015) | (0.399 - 0.46)/(29 - 9) | -0.00305 |
| 0.534 (6/16/2020) | 0.46 (3/23/2015) | (0.534 - 0.46)/(30 - 9) | 0.00352381 |
| 0.512 (9/21/2020) | 0.46 (3/23/2015) | (0.512 - 0.46)/(31 - 9) | 0.00236364 |
| 0.428 (12/17/2020) | 0.46 (3/23/2015) | (0.428 - 0.46)/(32 - 9) | -0.0013913 |
| 0.57 (3/18/2021) | 0.46 (3/23/2015) | (0.57 - 0.46)/(33 - 9) | 0.00458333 |
| 0.576 (5/5/2021) | 0.46 (3/23/2015) | (0.576 - 0.46)/(34 - 9) | 0.00464 |
| 0.431 (9/2/2021) | 0.46 (3/23/2015) | (0.431 - 0.46)/(35 - 9) | -0.00111538 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.46 (3/23/2015) | (0.25 - 0.46)/(36 - 9) | -0.00777778 |
| 1.3 (1/11/2022) | 0.46 (3/23/2015) | (1.3 - 0.46)/(37 - 9) | 0.03 |
| 0.516 (4/7/2022) | 0.46 (3/23/2015) | (0.516 - 0.46)/(38 - 9) | 0.00193103 |
| 0.812 (8/2/2022) | 0.46 (3/23/2015) | (0.812 - 0.46)/(39 - 9) | 0.0117333 |
| 0.314 (11/16/2022) | 0.46 (3/23/2015) | (0.314 - 0.46)/(40 - 9) | -0.00470968 |
| 0.344 (2/14/2023) | 0.46 (3/23/2015) | (0.344 - 0.46)/(41 - 9) | -0.003625 |
| 0.638 (5/25/2023) | 0.46 (3/23/2015) | (0.638 - 0.46)/(42 - 9) | 0.00539394 |
| 0.636 (8/7/2023) | 0.46 (3/23/2015) | (0.636 - 0.46)/(43 - 9) | 0.00517647 |
| 0.573 (12/12/2023) | 0.46 (3/23/2015) | (0.573 - 0.46)/(44 - 9) | 0.00322857 |
| 0.576 (1/10/2024) | 0.46 (3/23/2015) | (0.576 - 0.46)/(45 - 9) | 0.00322222 |
| 0.261 (5/21/2024) | 0.46 (3/23/2015) | (0.261 - 0.46)/(46 - 9) | -0.00537838 |
| 0.75 (9/16/2024) | 0.46 (3/23/2015) | (0.75 - 0.46)/(47 - 9) | 0.00763158 |
| 0.451 (12/11/2024) | 0.46 (3/23/2015) | (0.451 - 0.46)/(48 - 9) | -0.000230769 |
| 0.522 (2/18/2025) | 0.46 (3/23/2015) | (0.522 - 0.46)/(49 - 9) | 0.00155 |
| | | | |
| 0.61 (9/30/2015) | 0.47 (4/22/2015) | (0.61 - 0.47)/(11 - 10) | 0.14 |
| ND<0.25 U (11/19/2015) | 0.47 (4/22/2015) | (0.25 - 0.47)/(12 - 10) | -0.11 |
| 0.28 (3/15/2016) | 0.47 (4/22/2015) | (0.28 - 0.47)/(13 - 10) | -0.0633333 |
| 0.48 (6/29/2016) | 0.47 (4/22/2015) | (0.48 - 0.47)/(14 - 10) | 0.0025 |
| 0.46 (8/9/2016) | 0.47 (4/22/2015) | (0.46 - 0.47)/(15 - 10) | -0.002 |
| 0.42 (12/7/2016) | 0.47 (4/22/2015) | (0.42 - 0.47)/(16 - 10) | -0.00833333 |
| 0.77 (3/2/2017) | 0.47 (4/22/2015) | (0.77 - 0.47)/(17 - 10) | 0.0428571 |
| 0.47 (7/5/2017) | 0.47 (4/22/2015) | (0.47 - 0.47)/(18 - 10) | 0 |
| 0.49 (8/16/2017) | 0.47 (4/22/2015) | (0.49 - 0.47)/(19 - 10) | 0.00222222 |
| 0.53 (10/25/2017) | 0.47 (4/22/2015) | (0.53 - 0.47)/(20 - 10) | 0.006 |
| ND<0.25 U (3/28/2018) | 0.47 (4/22/2015) | (0.25 - 0.47)/(21 - 10) | -0.02 |
| 0.605 (6/29/2018) | 0.47 (4/22/2015) | (0.605 - 0.47)/(22 - 10) | 0.01125 |
| 0.554 (8/2/2018) | 0.47 (4/22/2015) | (0.554 - 0.47)/(23 - 10) | 0.00646154 |
| 0.522 (12/10/2018) | 0.47 (4/22/2015) | (0.522 - 0.47)/(24 - 10) | 0.00371429 |
| 0.374 (4/15/2019) | 0.47 (4/22/2015) | (0.374 - 0.47)/(25 - 10) | -0.0064 |
| ND<0.25 U (6/12/2019) | 0.47 (4/22/2015) | (0.25 - 0.47)/(26 - 10) | -0.01375 |
| 0.508 (8/27/2019) | 0.47 (4/22/2015) | (0.508 - 0.47)/(27 - 10) | 0.00223529 |
| 0.631 (10/29/2019) | 0.47 (4/22/2015) | (0.631 - 0.47)/(28 - 10) | 0.00894444 |
| 0.399 (3/30/2020) | 0.47 (4/22/2015) | (0.399 - 0.47)/(29 - 10) | -0.00373684 |
| 0.534 (6/16/2020) | 0.47 (4/22/2015) | (0.534 - 0.47)/(30 - 10) | 0.0032 |
| 0.512 (9/21/2020) | 0.47 (4/22/2015) | (0.512 - 0.47)/(31 - 10) | 0.002 |
| 0.428 (12/17/2020) | 0.47 (4/22/2015) | (0.428 - 0.47)/(32 - 10) | -0.00190909 |
| 0.57 (3/18/2021) | 0.47 (4/22/2015) | (0.57 - 0.47)/(33 - 10) | 0.00434783 |
| 0.576 (5/5/2021) | 0.47 (4/22/2015) | (0.576 - 0.47)/(34 - 10) | 0.00441667 |
| 0.431 (9/2/2021) | 0.47 (4/22/2015) | (0.431 - 0.47)/(35 - 10) | -0.00156 |
| ND<0.25 U (11/23/2021) | 0.47 (4/22/2015) | (0.25 - 0.47)/(36 - 10) | -0.00846154 |
| 1.3 (1/11/2022) | 0.47 (4/22/2015) | (1.3 - 0.47)/(37 - 10) | 0.0307407 |
| 0.516 (4/7/2022) | 0.47 (4/22/2015) | (0.516 - 0.47)/(38 - 10) | 0.00164286 |
| 0.812 (8/2/2022) | 0.47 (4/22/2015) | (0.812 - 0.47)/(39 - 10) | 0.0117931 |
| 0.314 (11/16/2022) | 0.47 (4/22/2015) | (0.314 - 0.47)/(40 - 10) | -0.0052 |
| 0.344 (2/14/2023) | 0.47 (4/22/2015) | (0.344 - 0.47)/(41 - 10) | -0.00406452 |
| 0.638 (5/25/2023) | 0.47 (4/22/2015) | (0.638 - 0.47)/(42 - 10) | 0.00525 |
| 0.636 (8/7/2023) | 0.47 (4/22/2015) | (0.636 - 0.47)/(43 - 10) | 0.0050303 |
| 0.573 (12/12/2023) | 0.47 (4/22/2015) | (0.573 - 0.47)/(44 - 10) | 0.00302941 |
| 0.576 (1/10/2024) | 0.47 (4/22/2015) | (0.576 - 0.47)/(45 - 10) | 0.00302857 |
| 0.261 (5/21/2024) | 0.47 (4/22/2015) | (0.261 - 0.47)/(46 - 10) | -0.00580556 |
| 0.75 (9/16/2024) | 0.47 (4/22/2015) | (0.75 - 0.47)/(47 - 10) | 0.00756757 |
| 0.451 (12/11/2024) | 0.47 (4/22/2015) | (0.451 - 0.47)/(48 - 10) | -0.0005 |
| 0.522 (2/18/2025) | 0.47 (4/22/2015) | (0.522 - 0.47)/(49 - 10) | 0.00133333 |
| | | | |
| ND<0.25 U (11/19/2015) | 0.61 (9/30/2015) | (0.25 - 0.61)/(12 - 11) | -0.36 |
| 0.28 (3/15/2016) | 0.61 (9/30/2015) | (0.28 - 0.61)/(13 - 11) | -0.165 |

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|---|---|---|---|
| 0.48 (6/29/2016) | 0.61 (9/30/2015) | (0.48 - 0.61)/(14 - 11) | -0.0433333 |
| 0.46 (8/9/2016) | 0.61 (9/30/2015) | (0.46 - 0.61)/(15 - 11) | -0.0375 |
| 0.42 (12/7/2016) | 0.61 (9/30/2015) | (0.42 - 0.61)/(16 - 11) | -0.038 |
| 0.77 (3/2/2017) | 0.61 (9/30/2015) | (0.77 - 0.61)/(17 - 11) | 0.0266667 |
| 0.47 (7/5/2017) | 0.61 (9/30/2015) | (0.47 - 0.61)/(18 - 11) | -0.02 |
| 0.49 (8/16/2017) | 0.61 (9/30/2015) | (0.49 - 0.61)/(19 - 11) | -0.015 |
| 0.53 (10/25/2017) | 0.61 (9/30/2015) | (0.53 - 0.61)/(20 - 11) | -0.00888889 |
| ND<0.25 U (3/28/2018) | 0.61 (9/30/2015) | (0.25 - 0.61)/(21 - 11) | -0.036 |
| 0.605 (6/29/2018) | 0.61 (9/30/2015) | (0.605 - 0.61)/(22 - 11) | -0.000454545 |
| 0.554 (8/2/2018) | 0.61 (9/30/2015) | (0.554 - 0.61)/(23 - 11) | -0.00466667 |
| 0.522 (12/10/2018) | 0.61 (9/30/2015) | (0.522 - 0.61)/(24 - 11) | -0.00676923 |
| 0.374 (4/15/2019) | 0.61 (9/30/2015) | (0.374 - 0.61)/(25 - 11) | -0.0168571 |
| ND<0.25 U (6/12/2019) | 0.61 (9/30/2015) | (0.25 - 0.61)/(26 - 11) | -0.024 |
| 0.508 (8/27/2019) | 0.61 (9/30/2015) | (0.508 - 0.61)/(27 - 11) | -0.006375 |
| 0.631 (10/29/2019) | 0.61 (9/30/2015) | (0.631 - 0.61)/(28 - 11) | 0.00123529 |
| 0.399 (3/30/2020) | 0.61 (9/30/2015) | (0.399 - 0.61)/(29 - 11) | -0.0117222 |
| 0.534 (6/16/2020) | 0.61 (9/30/2015) | (0.534 - 0.61)/(30 - 11) | -0.004 |
| 0.512 (9/21/2020) | 0.61 (9/30/2015) | (0.512 - 0.61)/(31 - 11) | -0.0049 |
| 0.428 (12/17/2020) | 0.61 (9/30/2015) | (0.428 - 0.61)/(32 - 11) | -0.00866667 |
| 0.57 (3/18/2021) | 0.61 (9/30/2015) | (0.57 - 0.61)/(33 - 11) | -0.00181818 |
| 0.576 (5/5/2021) | 0.61 (9/30/2015) | (0.576 - 0.61)/(34 - 11) | -0.00147826 |
| 0.431 (9/2/2021) | 0.61 (9/30/2015) | (0.431 - 0.61)/(35 - 11) | -0.00745833 |
| ND<0.25 U (11/23/2021) | 0.61 (9/30/2015) | (0.25 - 0.61)/(36 - 11) | -0.0144 |
| 1.3 (1/11/2022) | 0.61 (9/30/2015) | (1.3 - 0.61)/(37 - 11) | 0.0265385 |
| 0.516 (4/7/2022) | 0.61 (9/30/2015) | (0.516 - 0.61)/(38 - 11) | -0.00348148 |
| 0.812 (8/2/2022) | 0.61 (9/30/2015) | (0.812 - 0.61)/(39 - 11) | 0.00721429 |
| 0.314 (11/16/2022) | 0.61 (9/30/2015) | (0.314 - 0.61)/(40 - 11) | -0.0102069 |
| 0.344 (2/14/2023) | 0.61 (9/30/2015) | (0.344 - 0.61)/(41 - 11) | -0.00886667 |
| 0.638 (5/25/2023) | 0.61 (9/30/2015) | (0.638 - 0.61)/(42 - 11) | 0.000903226 |
| 0.636 (8/7/2023) | 0.61 (9/30/2015) | (0.636 - 0.61)/(43 - 11) | 0.0008125 |
| 0.573 (12/12/2023) | 0.61 (9/30/2015) | (0.573 - 0.61)/(44 - 11) | -0.00112121 |
| 0.576 (1/10/2024) | 0.61 (9/30/2015) | (0.576 - 0.61)/(45 - 11) | -0.001 |
| 0.261 (5/21/2024) | 0.61 (9/30/2015) | (0.261 - 0.61)/(46 - 11) | -0.00997143 |
| 0.75 (9/16/2024) | 0.61 (9/30/2015) | (0.75 - 0.61)/(47 - 11) | 0.00388889 |
| 0.451 (12/11/2024) | 0.61 (9/30/2015) | (0.451 - 0.61)/(48 - 11) | -0.0042973 |
| 0.522 (2/18/2025) | 0.61 (9/30/2015) | (0.522 - 0.61)/(49 - 11) | -0.00231579 |

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|---|---|---|---|
| 0.28 (3/15/2016) | ND<0.25 U (11/19/2015) | (0.28 - 0.25)/(13 - 12) | 0.03 |
| 0.48 (6/29/2016) | ND<0.25 U (11/19/2015) | (0.48 - 0.25)/(14 - 12) | 0.115 |
| 0.46 (8/9/2016) | ND<0.25 U (11/19/2015) | (0.46 - 0.25)/(15 - 12) | 0.07 |
| 0.42 (12/7/2016) | ND<0.25 U (11/19/2015) | (0.42 - 0.25)/(16 - 12) | 0.0425 |
| 0.77 (3/2/2017) | ND<0.25 U (11/19/2015) | (0.77 - 0.25)/(17 - 12) | 0.104 |
| 0.47 (7/5/2017) | ND<0.25 U (11/19/2015) | (0.47 - 0.25)/(18 - 12) | 0.0366667 |
| 0.49 (8/16/2017) | ND<0.25 U (11/19/2015) | (0.49 - 0.25)/(19 - 12) | 0.0342857 |
| 0.53 (10/25/2017) | ND<0.25 U (11/19/2015) | (0.53 - 0.25)/(20 - 12) | 0.035 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(21 - 12) | 0 |
| 0.605 (6/29/2018) | ND<0.25 U (11/19/2015) | (0.605 - 0.25)/(22 - 12) | 0.0355 |
| 0.554 (8/2/2018) | ND<0.25 U (11/19/2015) | (0.554 - 0.25)/(23 - 12) | 0.0276364 |
| 0.522 (12/10/2018) | ND<0.25 U (11/19/2015) | (0.522 - 0.25)/(24 - 12) | 0.0226667 |
| 0.374 (4/15/2019) | ND<0.25 U (11/19/2015) | (0.374 - 0.25)/(25 - 12) | 0.00953846 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(26 - 12) | 0 |
| 0.508 (8/27/2019) | ND<0.25 U (11/19/2015) | (0.508 - 0.25)/(27 - 12) | 0.0172 |
| 0.631 (10/29/2019) | ND<0.25 U (11/19/2015) | (0.631 - 0.25)/(28 - 12) | 0.0238125 |
| 0.399 (3/30/2020) | ND<0.25 U (11/19/2015) | (0.399 - 0.25)/(29 - 12) | 0.00876471 |
| 0.534 (6/16/2020) | ND<0.25 U (11/19/2015) | (0.534 - 0.25)/(30 - 12) | 0.0157778 |
| 0.512 (9/21/2020) | ND<0.25 U (11/19/2015) | (0.512 - 0.25)/(31 - 12) | 0.0137895 |
| 0.428 (12/17/2020) | ND<0.25 U (11/19/2015) | (0.428 - 0.25)/(32 - 12) | 0.0089 |

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|---|---|---|---|
| 0.57 (3/18/2021) | ND<0.25 U (11/19/2015) | (0.57 - 0.25)/(33 - 12) | 0.0152381 |
| 0.576 (5/5/2021) | ND<0.25 U (11/19/2015) | (0.576 - 0.25)/(34 - 12) | 0.0148182 |
| 0.431 (9/2/2021) | ND<0.25 U (11/19/2015) | (0.431 - 0.25)/(35 - 12) | 0.00786957 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(36 - 12) | 0 |
| 1.3 (1/11/2022) | ND<0.25 U (11/19/2015) | (1.3 - 0.25)/(37 - 12) | 0.042 |
| 0.516 (4/7/2022) | ND<0.25 U (11/19/2015) | (0.516 - 0.25)/(38 - 12) | 0.0102308 |
| 0.812 (8/2/2022) | ND<0.25 U (11/19/2015) | (0.812 - 0.25)/(39 - 12) | 0.0208148 |
| 0.314 (11/16/2022) | ND<0.25 U (11/19/2015) | (0.314 - 0.25)/(40 - 12) | 0.00228571 |
| 0.344 (2/14/2023) | ND<0.25 U (11/19/2015) | (0.344 - 0.25)/(41 - 12) | 0.00324138 |
| 0.638 (5/25/2023) | ND<0.25 U (11/19/2015) | (0.638 - 0.25)/(42 - 12) | 0.0129333 |
| 0.636 (8/7/2023) | ND<0.25 U (11/19/2015) | (0.636 - 0.25)/(43 - 12) | 0.0124516 |
| 0.573 (12/12/2023) | ND<0.25 U (11/19/2015) | (0.573 - 0.25)/(44 - 12) | 0.0100937 |
| 0.576 (1/10/2024) | ND<0.25 U (11/19/2015) | (0.576 - 0.25)/(45 - 12) | 0.00987879 |
| 0.261 (5/21/2024) | ND<0.25 U (11/19/2015) | (0.261 - 0.25)/(46 - 12) | 0.000323529 |
| 0.75 (9/16/2024) | ND<0.25 U (11/19/2015) | (0.75 - 0.25)/(47 - 12) | 0.0142857 |
| 0.451 (12/11/2024) | ND<0.25 U (11/19/2015) | (0.451 - 0.25)/(48 - 12) | 0.00558333 |
| 0.522 (2/18/2025) | ND<0.25 U (11/19/2015) | (0.522 - 0.25)/(49 - 12) | 0.00735135 |

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|---|---|---|---|
| 0.48 (6/29/2016) | 0.28 (3/15/2016) | (0.48 - 0.28)/(14 - 13) | 0.2 |
| 0.46 (8/9/2016) | 0.28 (3/15/2016) | (0.46 - 0.28)/(15 - 13) | 0.09 |
| 0.42 (12/7/2016) | 0.28 (3/15/2016) | (0.42 - 0.28)/(16 - 13) | 0.0466667 |
| 0.77 (3/2/2017) | 0.28 (3/15/2016) | (0.77 - 0.28)/(17 - 13) | 0.1225 |
| 0.47 (7/5/2017) | 0.28 (3/15/2016) | (0.47 - 0.28)/(18 - 13) | 0.038 |
| 0.49 (8/16/2017) | 0.28 (3/15/2016) | (0.49 - 0.28)/(19 - 13) | 0.035 |
| 0.53 (10/25/2017) | 0.28 (3/15/2016) | (0.53 - 0.28)/(20 - 13) | 0.0357143 |
| ND<0.25 U (3/28/2018) | 0.28 (3/15/2016) | (0.25 - 0.28)/(21 - 13) | -0.00375 |
| 0.605 (6/29/2018) | 0.28 (3/15/2016) | (0.605 - 0.28)/(22 - 13) | 0.0361111 |
| 0.554 (8/2/2018) | 0.28 (3/15/2016) | (0.554 - 0.28)/(23 - 13) | 0.0274 |
| 0.522 (12/10/2018) | 0.28 (3/15/2016) | (0.522 - 0.28)/(24 - 13) | 0.022 |
| 0.374 (4/15/2019) | 0.28 (3/15/2016) | (0.374 - 0.28)/(25 - 13) | 0.00783333 |
| ND<0.25 U (6/12/2019) | 0.28 (3/15/2016) | (0.25 - 0.28)/(26 - 13) | -0.00230769 |
| 0.508 (8/27/2019) | 0.28 (3/15/2016) | (0.508 - 0.28)/(27 - 13) | 0.0162857 |
| 0.631 (10/29/2019) | 0.28 (3/15/2016) | (0.631 - 0.28)/(28 - 13) | 0.0234 |
| 0.399 (3/30/2020) | 0.28 (3/15/2016) | (0.399 - 0.28)/(29 - 13) | 0.0074375 |
| 0.534 (6/16/2020) | 0.28 (3/15/2016) | (0.534 - 0.28)/(30 - 13) | 0.0149412 |
| 0.512 (9/21/2020) | 0.28 (3/15/2016) | (0.512 - 0.28)/(31 - 13) | 0.0128889 |
| 0.428 (12/17/2020) | 0.28 (3/15/2016) | (0.428 - 0.28)/(32 - 13) | 0.00778947 |
| 0.57 (3/18/2021) | 0.28 (3/15/2016) | (0.57 - 0.28)/(33 - 13) | 0.0145 |
| 0.576 (5/5/2021) | 0.28 (3/15/2016) | (0.576 - 0.28)/(34 - 13) | 0.0140952 |
| 0.431 (9/2/2021) | 0.28 (3/15/2016) | (0.431 - 0.28)/(35 - 13) | 0.00686364 |
| ND<0.25 U (11/23/2021) | 0.28 (3/15/2016) | (0.25 - 0.28)/(36 - 13) | -0.00130435 |
| 1.3 (1/11/2022) | 0.28 (3/15/2016) | (1.3 - 0.28)/(37 - 13) | 0.0425 |
| 0.516 (4/7/2022) | 0.28 (3/15/2016) | (0.516 - 0.28)/(38 - 13) | 0.00944 |
| 0.812 (8/2/2022) | 0.28 (3/15/2016) | (0.812 - 0.28)/(39 - 13) | 0.0204615 |
| 0.314 (11/16/2022) | 0.28 (3/15/2016) | (0.314 - 0.28)/(40 - 13) | 0.00125926 |
| 0.344 (2/14/2023) | 0.28 (3/15/2016) | (0.344 - 0.28)/(41 - 13) | 0.00228571 |
| 0.638 (5/25/2023) | 0.28 (3/15/2016) | (0.638 - 0.28)/(42 - 13) | 0.0123448 |
| 0.636 (8/7/2023) | 0.28 (3/15/2016) | (0.636 - 0.28)/(43 - 13) | 0.0118667 |
| 0.573 (12/12/2023) | 0.28 (3/15/2016) | (0.573 - 0.28)/(44 - 13) | 0.00945161 |
| 0.576 (1/10/2024) | 0.28 (3/15/2016) | (0.576 - 0.28)/(45 - 13) | 0.00925 |
| 0.261 (5/21/2024) | 0.28 (3/15/2016) | (0.261 - 0.28)/(46 - 13) | -0.000575758 |
| 0.75 (9/16/2024) | 0.28 (3/15/2016) | (0.75 - 0.28)/(47 - 13) | 0.0138235 |
| 0.451 (12/11/2024) | 0.28 (3/15/2016) | (0.451 - 0.28)/(48 - 13) | 0.00488571 |
| 0.522 (2/18/2025) | 0.28 (3/15/2016) | (0.522 - 0.28)/(49 - 13) | 0.00672222 |

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|---|---|---|---|
| 0.46 (8/9/2016) | 0.48 (6/29/2016) | (0.46 - 0.48)/(15 - 14) | -0.02 |
| 0.42 (12/7/2016) | 0.48 (6/29/2016) | (0.42 - 0.48)/(16 - 14) | -0.03 |

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|---|---|---|---|
| 0.77 (3/2/2017) | 0.48 (6/29/2016) | (0.77 - 0.48)/(17 - 14) | 0.0966667 |
| 0.47 (7/5/2017) | 0.48 (6/29/2016) | (0.47 - 0.48)/(18 - 14) | -0.0025 |
| 0.49 (8/16/2017) | 0.48 (6/29/2016) | (0.49 - 0.48)/(19 - 14) | 0.002 |
| 0.53 (10/25/2017) | 0.48 (6/29/2016) | (0.53 - 0.48)/(20 - 14) | 0.00833333 |
| ND<0.25 U (3/28/2018) | 0.48 (6/29/2016) | (0.25 - 0.48)/(21 - 14) | -0.0328571 |
| 0.605 (6/29/2018) | 0.48 (6/29/2016) | (0.605 - 0.48)/(22 - 14) | 0.015625 |
| 0.554 (8/2/2018) | 0.48 (6/29/2016) | (0.554 - 0.48)/(23 - 14) | 0.00822222 |
| 0.522 (12/10/2018) | 0.48 (6/29/2016) | (0.522 - 0.48)/(24 - 14) | 0.0042 |
| 0.374 (4/15/2019) | 0.48 (6/29/2016) | (0.374 - 0.48)/(25 - 14) | -0.00963636 |
| ND<0.25 U (6/12/2019) | 0.48 (6/29/2016) | (0.25 - 0.48)/(26 - 14) | -0.0191667 |
| 0.508 (8/27/2019) | 0.48 (6/29/2016) | (0.508 - 0.48)/(27 - 14) | 0.00215385 |
| 0.631 (10/29/2019) | 0.48 (6/29/2016) | (0.631 - 0.48)/(28 - 14) | 0.0107857 |
| 0.399 (3/30/2020) | 0.48 (6/29/2016) | (0.399 - 0.48)/(29 - 14) | -0.0054 |
| 0.534 (6/16/2020) | 0.48 (6/29/2016) | (0.534 - 0.48)/(30 - 14) | 0.003375 |
| 0.512 (9/21/2020) | 0.48 (6/29/2016) | (0.512 - 0.48)/(31 - 14) | 0.00188235 |
| 0.428 (12/17/2020) | 0.48 (6/29/2016) | (0.428 - 0.48)/(32 - 14) | -0.00288889 |
| 0.57 (3/18/2021) | 0.48 (6/29/2016) | (0.57 - 0.48)/(33 - 14) | 0.00473684 |
| 0.576 (5/5/2021) | 0.48 (6/29/2016) | (0.576 - 0.48)/(34 - 14) | 0.0048 |
| 0.431 (9/2/2021) | 0.48 (6/29/2016) | (0.431 - 0.48)/(35 - 14) | -0.00233333 |
| ND<0.25 U (11/23/2021) | 0.48 (6/29/2016) | (0.25 - 0.48)/(36 - 14) | -0.0104545 |
| 1.3 (1/11/2022) | 0.48 (6/29/2016) | (1.3 - 0.48)/(37 - 14) | 0.0356522 |
| 0.516 (4/7/2022) | 0.48 (6/29/2016) | (0.516 - 0.48)/(38 - 14) | 0.0015 |
| 0.812 (8/2/2022) | 0.48 (6/29/2016) | (0.812 - 0.48)/(39 - 14) | 0.01328 |
| 0.314 (11/16/2022) | 0.48 (6/29/2016) | (0.314 - 0.48)/(40 - 14) | -0.00638462 |
| 0.344 (2/14/2023) | 0.48 (6/29/2016) | (0.344 - 0.48)/(41 - 14) | -0.00503704 |
| 0.638 (5/25/2023) | 0.48 (6/29/2016) | (0.638 - 0.48)/(42 - 14) | 0.00564286 |
| 0.636 (8/7/2023) | 0.48 (6/29/2016) | (0.636 - 0.48)/(43 - 14) | 0.00537931 |
| 0.573 (12/12/2023) | 0.48 (6/29/2016) | (0.573 - 0.48)/(44 - 14) | 0.0031 |
| 0.576 (1/10/2024) | 0.48 (6/29/2016) | (0.576 - 0.48)/(45 - 14) | 0.00309677 |
| 0.261 (5/21/2024) | 0.48 (6/29/2016) | (0.261 - 0.48)/(46 - 14) | -0.00684375 |
| 0.75 (9/16/2024) | 0.48 (6/29/2016) | (0.75 - 0.48)/(47 - 14) | 0.00818182 |
| 0.451 (12/11/2024) | 0.48 (6/29/2016) | (0.451 - 0.48)/(48 - 14) | -0.000852941 |
| 0.522 (2/18/2025) | 0.48 (6/29/2016) | (0.522 - 0.48)/(49 - 14) | 0.0012 |

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|---|---|---|---|
| 0.42 (12/7/2016) | 0.46 (8/9/2016) | (0.42 - 0.46)/(16 - 15) | -0.04 |
| 0.77 (3/2/2017) | 0.46 (8/9/2016) | (0.77 - 0.46)/(17 - 15) | 0.155 |
| 0.47 (7/5/2017) | 0.46 (8/9/2016) | (0.47 - 0.46)/(18 - 15) | 0.00333333 |
| 0.49 (8/16/2017) | 0.46 (8/9/2016) | (0.49 - 0.46)/(19 - 15) | 0.0075 |
| 0.53 (10/25/2017) | 0.46 (8/9/2016) | (0.53 - 0.46)/(20 - 15) | 0.014 |
| ND<0.25 U (3/28/2018) | 0.46 (8/9/2016) | (0.25 - 0.46)/(21 - 15) | -0.035 |
| 0.605 (6/29/2018) | 0.46 (8/9/2016) | (0.605 - 0.46)/(22 - 15) | 0.0207143 |
| 0.554 (8/2/2018) | 0.46 (8/9/2016) | (0.554 - 0.46)/(23 - 15) | 0.01175 |
| 0.522 (12/10/2018) | 0.46 (8/9/2016) | (0.522 - 0.46)/(24 - 15) | 0.00688889 |
| 0.374 (4/15/2019) | 0.46 (8/9/2016) | (0.374 - 0.46)/(25 - 15) | -0.0086 |
| ND<0.25 U (6/12/2019) | 0.46 (8/9/2016) | (0.25 - 0.46)/(26 - 15) | -0.0190909 |
| 0.508 (8/27/2019) | 0.46 (8/9/2016) | (0.508 - 0.46)/(27 - 15) | 0.004 |
| 0.631 (10/29/2019) | 0.46 (8/9/2016) | (0.631 - 0.46)/(28 - 15) | 0.0131538 |
| 0.399 (3/30/2020) | 0.46 (8/9/2016) | (0.399 - 0.46)/(29 - 15) | -0.00435714 |
| 0.534 (6/16/2020) | 0.46 (8/9/2016) | (0.534 - 0.46)/(30 - 15) | 0.00493333 |
| 0.512 (9/21/2020) | 0.46 (8/9/2016) | (0.512 - 0.46)/(31 - 15) | 0.00325 |
| 0.428 (12/17/2020) | 0.46 (8/9/2016) | (0.428 - 0.46)/(32 - 15) | -0.00188235 |
| 0.57 (3/18/2021) | 0.46 (8/9/2016) | (0.57 - 0.46)/(33 - 15) | 0.00611111 |
| 0.576 (5/5/2021) | 0.46 (8/9/2016) | (0.576 - 0.46)/(34 - 15) | 0.00610526 |
| 0.431 (9/2/2021) | 0.46 (8/9/2016) | (0.431 - 0.46)/(35 - 15) | -0.00145 |
| ND<0.25 U (11/23/2021) | 0.46 (8/9/2016) | (0.25 - 0.46)/(36 - 15) | -0.01 |
| 1.3 (1/11/2022) | 0.46 (8/9/2016) | (1.3 - 0.46)/(37 - 15) | 0.0381818 |
| 0.516 (4/7/2022) | 0.46 (8/9/2016) | (0.516 - 0.46)/(38 - 15) | 0.00243478 |

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|---|---|---|---|
| 0.812 (8/2/2022) | 0.46 (8/9/2016) | (0.812 - 0.46)/(39 - 15) | 0.0146667 |
| 0.314 (11/16/2022) | 0.46 (8/9/2016) | (0.314 - 0.46)/(40 - 15) | -0.00584 |
| 0.344 (2/14/2023) | 0.46 (8/9/2016) | (0.344 - 0.46)/(41 - 15) | -0.00446154 |
| 0.638 (5/25/2023) | 0.46 (8/9/2016) | (0.638 - 0.46)/(42 - 15) | 0.00659259 |
| 0.636 (8/7/2023) | 0.46 (8/9/2016) | (0.636 - 0.46)/(43 - 15) | 0.00628571 |
| 0.573 (12/12/2023) | 0.46 (8/9/2016) | (0.573 - 0.46)/(44 - 15) | 0.00389655 |
| 0.576 (1/10/2024) | 0.46 (8/9/2016) | (0.576 - 0.46)/(45 - 15) | 0.00386667 |
| 0.261 (5/21/2024) | 0.46 (8/9/2016) | (0.261 - 0.46)/(46 - 15) | -0.00641935 |
| 0.75 (9/16/2024) | 0.46 (8/9/2016) | (0.75 - 0.46)/(47 - 15) | 0.0090625 |
| 0.451 (12/11/2024) | 0.46 (8/9/2016) | (0.451 - 0.46)/(48 - 15) | -0.000272727 |
| 0.522 (2/18/2025) | 0.46 (8/9/2016) | (0.522 - 0.46)/(49 - 15) | 0.00182353 |
| | | | |
| 0.77 (3/2/2017) | 0.42 (12/7/2016) | (0.77 - 0.42)/(17 - 16) | 0.35 |
| 0.47 (7/5/2017) | 0.42 (12/7/2016) | (0.47 - 0.42)/(18 - 16) | 0.025 |
| 0.49 (8/16/2017) | 0.42 (12/7/2016) | (0.49 - 0.42)/(19 - 16) | 0.0233333 |
| 0.53 (10/25/2017) | 0.42 (12/7/2016) | (0.53 - 0.42)/(20 - 16) | 0.0275 |
| ND<0.25 U (3/28/2018) | 0.42 (12/7/2016) | (0.25 - 0.42)/(21 - 16) | -0.034 |
| 0.605 (6/29/2018) | 0.42 (12/7/2016) | (0.605 - 0.42)/(22 - 16) | 0.0308333 |
| 0.554 (8/2/2018) | 0.42 (12/7/2016) | (0.554 - 0.42)/(23 - 16) | 0.0191429 |
| 0.522 (12/10/2018) | 0.42 (12/7/2016) | (0.522 - 0.42)/(24 - 16) | 0.01275 |
| 0.374 (4/15/2019) | 0.42 (12/7/2016) | (0.374 - 0.42)/(25 - 16) | -0.00511111 |
| ND<0.25 U (6/12/2019) | 0.42 (12/7/2016) | (0.25 - 0.42)/(26 - 16) | -0.017 |
| 0.508 (8/27/2019) | 0.42 (12/7/2016) | (0.508 - 0.42)/(27 - 16) | 0.008 |
| 0.631 (10/29/2019) | 0.42 (12/7/2016) | (0.631 - 0.42)/(28 - 16) | 0.0175833 |
| 0.399 (3/30/2020) | 0.42 (12/7/2016) | (0.399 - 0.42)/(29 - 16) | -0.00161538 |
| 0.534 (6/16/2020) | 0.42 (12/7/2016) | (0.534 - 0.42)/(30 - 16) | 0.00814286 |
| 0.512 (9/21/2020) | 0.42 (12/7/2016) | (0.512 - 0.42)/(31 - 16) | 0.00613333 |
| 0.428 (12/17/2020) | 0.42 (12/7/2016) | (0.428 - 0.42)/(32 - 16) | 0.0005 |
| 0.57 (3/18/2021) | 0.42 (12/7/2016) | (0.57 - 0.42)/(33 - 16) | 0.00882353 |
| 0.576 (5/5/2021) | 0.42 (12/7/2016) | (0.576 - 0.42)/(34 - 16) | 0.00866667 |
| 0.431 (9/2/2021) | 0.42 (12/7/2016) | (0.431 - 0.42)/(35 - 16) | 0.000578947 |
| ND<0.25 U (11/23/2021) | 0.42 (12/7/2016) | (0.25 - 0.42)/(36 - 16) | -0.0085 |
| 1.3 (1/11/2022) | 0.42 (12/7/2016) | (1.3 - 0.42)/(37 - 16) | 0.0419048 |
| 0.516 (4/7/2022) | 0.42 (12/7/2016) | (0.516 - 0.42)/(38 - 16) | 0.00436364 |
| 0.812 (8/2/2022) | 0.42 (12/7/2016) | (0.812 - 0.42)/(39 - 16) | 0.0170435 |
| 0.314 (11/16/2022) | 0.42 (12/7/2016) | (0.314 - 0.42)/(40 - 16) | -0.00441667 |
| 0.344 (2/14/2023) | 0.42 (12/7/2016) | (0.344 - 0.42)/(41 - 16) | -0.00304 |
| 0.638 (5/25/2023) | 0.42 (12/7/2016) | (0.638 - 0.42)/(42 - 16) | 0.00838462 |
| 0.636 (8/7/2023) | 0.42 (12/7/2016) | (0.636 - 0.42)/(43 - 16) | 0.008 |
| 0.573 (12/12/2023) | 0.42 (12/7/2016) | (0.573 - 0.42)/(44 - 16) | 0.00546429 |
| 0.576 (1/10/2024) | 0.42 (12/7/2016) | (0.576 - 0.42)/(45 - 16) | 0.00537931 |
| 0.261 (5/21/2024) | 0.42 (12/7/2016) | (0.261 - 0.42)/(46 - 16) | -0.0053 |
| 0.75 (9/16/2024) | 0.42 (12/7/2016) | (0.75 - 0.42)/(47 - 16) | 0.0106452 |
| 0.451 (12/11/2024) | 0.42 (12/7/2016) | (0.451 - 0.42)/(48 - 16) | 0.00096875 |
| 0.522 (2/18/2025) | 0.42 (12/7/2016) | (0.522 - 0.42)/(49 - 16) | 0.00309091 |
| | | | |
| 0.47 (7/5/2017) | 0.77 (3/2/2017) | (0.47 - 0.77)/(18 - 17) | -0.3 |
| 0.49 (8/16/2017) | 0.77 (3/2/2017) | (0.49 - 0.77)/(19 - 17) | -0.14 |
| 0.53 (10/25/2017) | 0.77 (3/2/2017) | (0.53 - 0.77)/(20 - 17) | -0.08 |
| ND<0.25 U (3/28/2018) | 0.77 (3/2/2017) | (0.25 - 0.77)/(21 - 17) | -0.13 |
| 0.605 (6/29/2018) | 0.77 (3/2/2017) | (0.605 - 0.77)/(22 - 17) | -0.033 |
| 0.554 (8/2/2018) | 0.77 (3/2/2017) | (0.554 - 0.77)/(23 - 17) | -0.036 |
| 0.522 (12/10/2018) | 0.77 (3/2/2017) | (0.522 - 0.77)/(24 - 17) | -0.0354286 |
| 0.374 (4/15/2019) | 0.77 (3/2/2017) | (0.374 - 0.77)/(25 - 17) | -0.0495 |
| ND<0.25 U (6/12/2019) | 0.77 (3/2/2017) | (0.25 - 0.77)/(26 - 17) | -0.0577778 |
| 0.508 (8/27/2019) | 0.77 (3/2/2017) | (0.508 - 0.77)/(27 - 17) | -0.0262 |
| 0.631 (10/29/2019) | 0.77 (3/2/2017) | (0.631 - 0.77)/(28 - 17) | -0.0126364 |

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|---|---|---|---|
| 0.399 (3/30/2020) | 0.77 (3/2/2017) | (0.399 - 0.77)/(29 - 17) | -0.0309167 |
| 0.534 (6/16/2020) | 0.77 (3/2/2017) | (0.534 - 0.77)/(30 - 17) | -0.0181538 |
| 0.512 (9/21/2020) | 0.77 (3/2/2017) | (0.512 - 0.77)/(31 - 17) | -0.0184286 |
| 0.428 (12/17/2020) | 0.77 (3/2/2017) | (0.428 - 0.77)/(32 - 17) | -0.0228 |
| 0.57 (3/18/2021) | 0.77 (3/2/2017) | (0.57 - 0.77)/(33 - 17) | -0.0125 |
| 0.576 (5/5/2021) | 0.77 (3/2/2017) | (0.576 - 0.77)/(34 - 17) | -0.0114118 |
| 0.431 (9/2/2021) | 0.77 (3/2/2017) | (0.431 - 0.77)/(35 - 17) | -0.0188333 |
| ND<0.25 U (11/23/2021) | 0.77 (3/2/2017) | (0.25 - 0.77)/(36 - 17) | -0.0273684 |
| 1.3 (1/11/2022) | 0.77 (3/2/2017) | (1.3 - 0.77)/(37 - 17) | 0.0265 |
| 0.516 (4/7/2022) | 0.77 (3/2/2017) | (0.516 - 0.77)/(38 - 17) | -0.0120952 |
| 0.812 (8/2/2022) | 0.77 (3/2/2017) | (0.812 - 0.77)/(39 - 17) | 0.00190909 |
| 0.314 (11/16/2022) | 0.77 (3/2/2017) | (0.314 - 0.77)/(40 - 17) | -0.0198261 |
| 0.344 (2/14/2023) | 0.77 (3/2/2017) | (0.344 - 0.77)/(41 - 17) | -0.01775 |
| 0.638 (5/25/2023) | 0.77 (3/2/2017) | (0.638 - 0.77)/(42 - 17) | -0.00528 |
| 0.636 (8/7/2023) | 0.77 (3/2/2017) | (0.636 - 0.77)/(43 - 17) | -0.00515385 |
| 0.573 (12/12/2023) | 0.77 (3/2/2017) | (0.573 - 0.77)/(44 - 17) | -0.0072963 |
| 0.576 (1/10/2024) | 0.77 (3/2/2017) | (0.576 - 0.77)/(45 - 17) | -0.00692857 |
| 0.261 (5/21/2024) | 0.77 (3/2/2017) | (0.261 - 0.77)/(46 - 17) | -0.0175517 |
| 0.75 (9/16/2024) | 0.77 (3/2/2017) | (0.75 - 0.77)/(47 - 17) | -0.000666667 |
| 0.451 (12/11/2024) | 0.77 (3/2/2017) | (0.451 - 0.77)/(48 - 17) | -0.0102903 |
| 0.522 (2/18/2025) | 0.77 (3/2/2017) | (0.522 - 0.77)/(49 - 17) | -0.00775 |
| | | | |
| 0.49 (8/16/2017) | 0.47 (7/5/2017) | (0.49 - 0.47)/(19 - 18) | 0.02 |
| 0.53 (10/25/2017) | 0.47 (7/5/2017) | (0.53 - 0.47)/(20 - 18) | 0.03 |
| ND<0.25 U (3/28/2018) | 0.47 (7/5/2017) | (0.25 - 0.47)/(21 - 18) | -0.0733333 |
| 0.605 (6/29/2018) | 0.47 (7/5/2017) | (0.605 - 0.47)/(22 - 18) | 0.03375 |
| 0.554 (8/2/2018) | 0.47 (7/5/2017) | (0.554 - 0.47)/(23 - 18) | 0.0168 |
| 0.522 (12/10/2018) | 0.47 (7/5/2017) | (0.522 - 0.47)/(24 - 18) | 0.00866667 |
| 0.374 (4/15/2019) | 0.47 (7/5/2017) | (0.374 - 0.47)/(25 - 18) | -0.0137143 |
| ND<0.25 U (6/12/2019) | 0.47 (7/5/2017) | (0.25 - 0.47)/(26 - 18) | -0.0275 |
| 0.508 (8/27/2019) | 0.47 (7/5/2017) | (0.508 - 0.47)/(27 - 18) | 0.00422222 |
| 0.631 (10/29/2019) | 0.47 (7/5/2017) | (0.631 - 0.47)/(28 - 18) | 0.0161 |
| 0.399 (3/30/2020) | 0.47 (7/5/2017) | (0.399 - 0.47)/(29 - 18) | -0.00645455 |
| 0.534 (6/16/2020) | 0.47 (7/5/2017) | (0.534 - 0.47)/(30 - 18) | 0.00533333 |
| 0.512 (9/21/2020) | 0.47 (7/5/2017) | (0.512 - 0.47)/(31 - 18) | 0.00323077 |
| 0.428 (12/17/2020) | 0.47 (7/5/2017) | (0.428 - 0.47)/(32 - 18) | -0.003 |
| 0.57 (3/18/2021) | 0.47 (7/5/2017) | (0.57 - 0.47)/(33 - 18) | 0.00666667 |
| 0.576 (5/5/2021) | 0.47 (7/5/2017) | (0.576 - 0.47)/(34 - 18) | 0.006625 |
| 0.431 (9/2/2021) | 0.47 (7/5/2017) | (0.431 - 0.47)/(35 - 18) | -0.00229412 |
| ND<0.25 U (11/23/2021) | 0.47 (7/5/2017) | (0.25 - 0.47)/(36 - 18) | -0.0122222 |
| 1.3 (1/11/2022) | 0.47 (7/5/2017) | (1.3 - 0.47)/(37 - 18) | 0.0436842 |
| 0.516 (4/7/2022) | 0.47 (7/5/2017) | (0.516 - 0.47)/(38 - 18) | 0.0023 |
| 0.812 (8/2/2022) | 0.47 (7/5/2017) | (0.812 - 0.47)/(39 - 18) | 0.0162857 |
| 0.314 (11/16/2022) | 0.47 (7/5/2017) | (0.314 - 0.47)/(40 - 18) | -0.00709091 |
| 0.344 (2/14/2023) | 0.47 (7/5/2017) | (0.344 - 0.47)/(41 - 18) | -0.00547826 |
| 0.638 (5/25/2023) | 0.47 (7/5/2017) | (0.638 - 0.47)/(42 - 18) | 0.007 |
| 0.636 (8/7/2023) | 0.47 (7/5/2017) | (0.636 - 0.47)/(43 - 18) | 0.00664 |
| 0.573 (12/12/2023) | 0.47 (7/5/2017) | (0.573 - 0.47)/(44 - 18) | 0.00396154 |
| 0.576 (1/10/2024) | 0.47 (7/5/2017) | (0.576 - 0.47)/(45 - 18) | 0.00392593 |
| 0.261 (5/21/2024) | 0.47 (7/5/2017) | (0.261 - 0.47)/(46 - 18) | -0.00746429 |
| 0.75 (9/16/2024) | 0.47 (7/5/2017) | (0.75 - 0.47)/(47 - 18) | 0.00965517 |
| 0.451 (12/11/2024) | 0.47 (7/5/2017) | (0.451 - 0.47)/(48 - 18) | -0.000633333 |
| 0.522 (2/18/2025) | 0.47 (7/5/2017) | (0.522 - 0.47)/(49 - 18) | 0.00167742 |
| | | | |
| 0.53 (10/25/2017) | 0.49 (8/16/2017) | (0.53 - 0.49)/(20 - 19) | 0.04 |
| ND<0.25 U (3/28/2018) | 0.49 (8/16/2017) | (0.25 - 0.49)/(21 - 19) | -0.12 |
| 0.605 (6/29/2018) | 0.49 (8/16/2017) | (0.605 - 0.49)/(22 - 19) | 0.0383333 |

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|---|---|---|---|
| 0.554 (8/2/2018) | 0.49 (8/16/2017) | (0.554 - 0.49)/(23 - 19) | 0.016 |
| 0.522 (12/10/2018) | 0.49 (8/16/2017) | (0.522 - 0.49)/(24 - 19) | 0.0064 |
| 0.374 (4/15/2019) | 0.49 (8/16/2017) | (0.374 - 0.49)/(25 - 19) | -0.0193333 |
| ND<0.25 U (6/12/2019) | 0.49 (8/16/2017) | (0.25 - 0.49)/(26 - 19) | -0.0342857 |
| 0.508 (8/27/2019) | 0.49 (8/16/2017) | (0.508 - 0.49)/(27 - 19) | 0.00225 |
| 0.631 (10/29/2019) | 0.49 (8/16/2017) | (0.631 - 0.49)/(28 - 19) | 0.0156667 |
| 0.399 (3/30/2020) | 0.49 (8/16/2017) | (0.399 - 0.49)/(29 - 19) | -0.0091 |
| 0.534 (6/16/2020) | 0.49 (8/16/2017) | (0.534 - 0.49)/(30 - 19) | 0.004 |
| 0.512 (9/21/2020) | 0.49 (8/16/2017) | (0.512 - 0.49)/(31 - 19) | 0.00183333 |
| 0.428 (12/17/2020) | 0.49 (8/16/2017) | (0.428 - 0.49)/(32 - 19) | -0.00476923 |
| 0.57 (3/18/2021) | 0.49 (8/16/2017) | (0.57 - 0.49)/(33 - 19) | 0.00571429 |
| 0.576 (5/5/2021) | 0.49 (8/16/2017) | (0.576 - 0.49)/(34 - 19) | 0.00573333 |
| 0.431 (9/2/2021) | 0.49 (8/16/2017) | (0.431 - 0.49)/(35 - 19) | -0.0036875 |
| ND<0.25 U (11/23/2021) | 0.49 (8/16/2017) | (0.25 - 0.49)/(36 - 19) | -0.0141176 |
| 1.3 (1/11/2022) | 0.49 (8/16/2017) | (1.3 - 0.49)/(37 - 19) | 0.045 |
| 0.516 (4/7/2022) | 0.49 (8/16/2017) | (0.516 - 0.49)/(38 - 19) | 0.00136842 |
| 0.812 (8/2/2022) | 0.49 (8/16/2017) | (0.812 - 0.49)/(39 - 19) | 0.0161 |
| 0.314 (11/16/2022) | 0.49 (8/16/2017) | (0.314 - 0.49)/(40 - 19) | -0.00838095 |
| 0.344 (2/14/2023) | 0.49 (8/16/2017) | (0.344 - 0.49)/(41 - 19) | -0.00663636 |
| 0.638 (5/25/2023) | 0.49 (8/16/2017) | (0.638 - 0.49)/(42 - 19) | 0.00643478 |
| 0.636 (8/7/2023) | 0.49 (8/16/2017) | (0.636 - 0.49)/(43 - 19) | 0.00608333 |
| 0.573 (12/12/2023) | 0.49 (8/16/2017) | (0.573 - 0.49)/(44 - 19) | 0.00332 |
| 0.576 (1/10/2024) | 0.49 (8/16/2017) | (0.576 - 0.49)/(45 - 19) | 0.00330769 |
| 0.261 (5/21/2024) | 0.49 (8/16/2017) | (0.261 - 0.49)/(46 - 19) | -0.00848148 |
| 0.75 (9/16/2024) | 0.49 (8/16/2017) | (0.75 - 0.49)/(47 - 19) | 0.00928571 |
| 0.451 (12/11/2024) | 0.49 (8/16/2017) | (0.451 - 0.49)/(48 - 19) | -0.00134483 |
| 0.522 (2/18/2025) | 0.49 (8/16/2017) | (0.522 - 0.49)/(49 - 19) | 0.00106667 |

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|---|---|---|---|
| ND<0.25 U (3/28/2018) | 0.53 (10/25/2017) | (0.25 - 0.53)/(21 - 20) | -0.28 |
| 0.605 (6/29/2018) | 0.53 (10/25/2017) | (0.605 - 0.53)/(22 - 20) | 0.0375 |
| 0.554 (8/2/2018) | 0.53 (10/25/2017) | (0.554 - 0.53)/(23 - 20) | 0.008 |
| 0.522 (12/10/2018) | 0.53 (10/25/2017) | (0.522 - 0.53)/(24 - 20) | -0.002 |
| 0.374 (4/15/2019) | 0.53 (10/25/2017) | (0.374 - 0.53)/(25 - 20) | -0.0312 |
| ND<0.25 U (6/12/2019) | 0.53 (10/25/2017) | (0.25 - 0.53)/(26 - 20) | -0.0466667 |
| 0.508 (8/27/2019) | 0.53 (10/25/2017) | (0.508 - 0.53)/(27 - 20) | -0.00314286 |
| 0.631 (10/29/2019) | 0.53 (10/25/2017) | (0.631 - 0.53)/(28 - 20) | 0.012625 |
| 0.399 (3/30/2020) | 0.53 (10/25/2017) | (0.399 - 0.53)/(29 - 20) | -0.0145556 |
| 0.534 (6/16/2020) | 0.53 (10/25/2017) | (0.534 - 0.53)/(30 - 20) | 0.0004 |
| 0.512 (9/21/2020) | 0.53 (10/25/2017) | (0.512 - 0.53)/(31 - 20) | -0.00163636 |
| 0.428 (12/17/2020) | 0.53 (10/25/2017) | (0.428 - 0.53)/(32 - 20) | -0.0085 |
| 0.57 (3/18/2021) | 0.53 (10/25/2017) | (0.57 - 0.53)/(33 - 20) | 0.00307692 |
| 0.576 (5/5/2021) | 0.53 (10/25/2017) | (0.576 - 0.53)/(34 - 20) | 0.00328571 |
| 0.431 (9/2/2021) | 0.53 (10/25/2017) | (0.431 - 0.53)/(35 - 20) | -0.0066 |
| ND<0.25 U (11/23/2021) | 0.53 (10/25/2017) | (0.25 - 0.53)/(36 - 20) | -0.0175 |
| 1.3 (1/11/2022) | 0.53 (10/25/2017) | (1.3 - 0.53)/(37 - 20) | 0.0452941 |
| 0.516 (4/7/2022) | 0.53 (10/25/2017) | (0.516 - 0.53)/(38 - 20) | -0.000777778 |
| 0.812 (8/2/2022) | 0.53 (10/25/2017) | (0.812 - 0.53)/(39 - 20) | 0.0148421 |
| 0.314 (11/16/2022) | 0.53 (10/25/2017) | (0.314 - 0.53)/(40 - 20) | -0.0108 |
| 0.344 (2/14/2023) | 0.53 (10/25/2017) | (0.344 - 0.53)/(41 - 20) | -0.00885714 |
| 0.638 (5/25/2023) | 0.53 (10/25/2017) | (0.638 - 0.53)/(42 - 20) | 0.00490909 |
| 0.636 (8/7/2023) | 0.53 (10/25/2017) | (0.636 - 0.53)/(43 - 20) | 0.0046087 |
| 0.573 (12/12/2023) | 0.53 (10/25/2017) | (0.573 - 0.53)/(44 - 20) | 0.00179167 |
| 0.576 (1/10/2024) | 0.53 (10/25/2017) | (0.576 - 0.53)/(45 - 20) | 0.00184 |
| 0.261 (5/21/2024) | 0.53 (10/25/2017) | (0.261 - 0.53)/(46 - 20) | -0.0103462 |
| 0.75 (9/16/2024) | 0.53 (10/25/2017) | (0.75 - 0.53)/(47 - 20) | 0.00814815 |
| 0.451 (12/11/2024) | 0.53 (10/25/2017) | (0.451 - 0.53)/(48 - 20) | -0.00282143 |
| 0.522 (2/18/2025) | 0.53 (10/25/2017) | (0.522 - 0.53)/(49 - 20) | -0.000275862 |

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|---|---|---|---|
| 0.605 (6/29/2018) | ND<0.25 U (3/28/2018) | (0.605 - 0.25)/(22 - 21) | 0.355 |
| 0.554 (8/2/2018) | ND<0.25 U (3/28/2018) | (0.554 - 0.25)/(23 - 21) | 0.152 |
| 0.522 (12/10/2018) | ND<0.25 U (3/28/2018) | (0.522 - 0.25)/(24 - 21) | 0.0906667 |
| 0.374 (4/15/2019) | ND<0.25 U (3/28/2018) | (0.374 - 0.25)/(25 - 21) | 0.031 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(26 - 21) | 0 |
| 0.508 (8/27/2019) | ND<0.25 U (3/28/2018) | (0.508 - 0.25)/(27 - 21) | 0.043 |
| 0.631 (10/29/2019) | ND<0.25 U (3/28/2018) | (0.631 - 0.25)/(28 - 21) | 0.0544286 |
| 0.399 (3/30/2020) | ND<0.25 U (3/28/2018) | (0.399 - 0.25)/(29 - 21) | 0.018625 |
| 0.534 (6/16/2020) | ND<0.25 U (3/28/2018) | (0.534 - 0.25)/(30 - 21) | 0.0315556 |
| 0.512 (9/21/2020) | ND<0.25 U (3/28/2018) | (0.512 - 0.25)/(31 - 21) | 0.0262 |
| 0.428 (12/17/2020) | ND<0.25 U (3/28/2018) | (0.428 - 0.25)/(32 - 21) | 0.0161818 |
| 0.57 (3/18/2021) | ND<0.25 U (3/28/2018) | (0.57 - 0.25)/(33 - 21) | 0.0266667 |
| 0.576 (5/5/2021) | ND<0.25 U (3/28/2018) | (0.576 - 0.25)/(34 - 21) | 0.0250769 |
| 0.431 (9/2/2021) | ND<0.25 U (3/28/2018) | (0.431 - 0.25)/(35 - 21) | 0.0129286 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(36 - 21) | 0 |
| 1.3 (1/11/2022) | ND<0.25 U (3/28/2018) | (1.3 - 0.25)/(37 - 21) | 0.065625 |
| 0.516 (4/7/2022) | ND<0.25 U (3/28/2018) | (0.516 - 0.25)/(38 - 21) | 0.0156471 |
| 0.812 (8/2/2022) | ND<0.25 U (3/28/2018) | (0.812 - 0.25)/(39 - 21) | 0.0312222 |
| 0.314 (11/16/2022) | ND<0.25 U (3/28/2018) | (0.314 - 0.25)/(40 - 21) | 0.00336842 |
| 0.344 (2/14/2023) | ND<0.25 U (3/28/2018) | (0.344 - 0.25)/(41 - 21) | 0.0047 |
| 0.638 (5/25/2023) | ND<0.25 U (3/28/2018) | (0.638 - 0.25)/(42 - 21) | 0.0184762 |
| 0.636 (8/7/2023) | ND<0.25 U (3/28/2018) | (0.636 - 0.25)/(43 - 21) | 0.0175455 |
| 0.573 (12/12/2023) | ND<0.25 U (3/28/2018) | (0.573 - 0.25)/(44 - 21) | 0.0140435 |
| 0.576 (1/10/2024) | ND<0.25 U (3/28/2018) | (0.576 - 0.25)/(45 - 21) | 0.0135833 |
| 0.261 (5/21/2024) | ND<0.25 U (3/28/2018) | (0.261 - 0.25)/(46 - 21) | 0.00044 |
| 0.75 (9/16/2024) | ND<0.25 U (3/28/2018) | (0.75 - 0.25)/(47 - 21) | 0.0192308 |
| 0.451 (12/11/2024) | ND<0.25 U (3/28/2018) | (0.451 - 0.25)/(48 - 21) | 0.00744444 |
| 0.522 (2/18/2025) | ND<0.25 U (3/28/2018) | (0.522 - 0.25)/(49 - 21) | 0.00971429 |

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|---|---|---|---|
| 0.554 (8/2/2018) | 0.605 (6/29/2018) | (0.554 - 0.605)/(23 - 22) | -0.051 |
| 0.522 (12/10/2018) | 0.605 (6/29/2018) | (0.522 - 0.605)/(24 - 22) | -0.0415 |
| 0.374 (4/15/2019) | 0.605 (6/29/2018) | (0.374 - 0.605)/(25 - 22) | -0.077 |
| ND<0.25 U (6/12/2019) | 0.605 (6/29/2018) | (0.25 - 0.605)/(26 - 22) | -0.08875 |
| 0.508 (8/27/2019) | 0.605 (6/29/2018) | (0.508 - 0.605)/(27 - 22) | -0.0194 |
| 0.631 (10/29/2019) | 0.605 (6/29/2018) | (0.631 - 0.605)/(28 - 22) | 0.00433333 |
| 0.399 (3/30/2020) | 0.605 (6/29/2018) | (0.399 - 0.605)/(29 - 22) | -0.0294286 |
| 0.534 (6/16/2020) | 0.605 (6/29/2018) | (0.534 - 0.605)/(30 - 22) | -0.008875 |
| 0.512 (9/21/2020) | 0.605 (6/29/2018) | (0.512 - 0.605)/(31 - 22) | -0.0103333 |
| 0.428 (12/17/2020) | 0.605 (6/29/2018) | (0.428 - 0.605)/(32 - 22) | -0.0177 |
| 0.57 (3/18/2021) | 0.605 (6/29/2018) | (0.57 - 0.605)/(33 - 22) | -0.00318182 |
| 0.576 (5/5/2021) | 0.605 (6/29/2018) | (0.576 - 0.605)/(34 - 22) | -0.00241667 |
| 0.431 (9/2/2021) | 0.605 (6/29/2018) | (0.431 - 0.605)/(35 - 22) | -0.0133846 |
| ND<0.25 U (11/23/2021) | 0.605 (6/29/2018) | (0.25 - 0.605)/(36 - 22) | -0.0253571 |
| 1.3 (1/11/2022) | 0.605 (6/29/2018) | (1.3 - 0.605)/(37 - 22) | 0.0463333 |
| 0.516 (4/7/2022) | 0.605 (6/29/2018) | (0.516 - 0.605)/(38 - 22) | -0.0055625 |
| 0.812 (8/2/2022) | 0.605 (6/29/2018) | (0.812 - 0.605)/(39 - 22) | 0.0121765 |
| 0.314 (11/16/2022) | 0.605 (6/29/2018) | (0.314 - 0.605)/(40 - 22) | -0.0161667 |
| 0.344 (2/14/2023) | 0.605 (6/29/2018) | (0.344 - 0.605)/(41 - 22) | -0.0137368 |
| 0.638 (5/25/2023) | 0.605 (6/29/2018) | (0.638 - 0.605)/(42 - 22) | 0.00165 |
| 0.636 (8/7/2023) | 0.605 (6/29/2018) | (0.636 - 0.605)/(43 - 22) | 0.00147619 |
| 0.573 (12/12/2023) | 0.605 (6/29/2018) | (0.573 - 0.605)/(44 - 22) | -0.00145455 |
| 0.576 (1/10/2024) | 0.605 (6/29/2018) | (0.576 - 0.605)/(45 - 22) | -0.00126087 |
| 0.261 (5/21/2024) | 0.605 (6/29/2018) | (0.261 - 0.605)/(46 - 22) | -0.0143333 |
| 0.75 (9/16/2024) | 0.605 (6/29/2018) | (0.75 - 0.605)/(47 - 22) | 0.0058 |
| 0.451 (12/11/2024) | 0.605 (6/29/2018) | (0.451 - 0.605)/(48 - 22) | -0.00592308 |
| 0.522 (2/18/2025) | 0.605 (6/29/2018) | (0.522 - 0.605)/(49 - 22) | -0.00307407 |

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|---|---|---|---|
| 0.522 (12/10/2018) | 0.554 (8/2/2018) | (0.522 - 0.554)/(24 - 23) | -0.032 |
| 0.374 (4/15/2019) | 0.554 (8/2/2018) | (0.374 - 0.554)/(25 - 23) | -0.09 |
| ND<0.25 U (6/12/2019) | 0.554 (8/2/2018) | (0.25 - 0.554)/(26 - 23) | -0.101333 |
| 0.508 (8/27/2019) | 0.554 (8/2/2018) | (0.508 - 0.554)/(27 - 23) | -0.0115 |
| 0.631 (10/29/2019) | 0.554 (8/2/2018) | (0.631 - 0.554)/(28 - 23) | 0.0154 |
| 0.399 (3/30/2020) | 0.554 (8/2/2018) | (0.399 - 0.554)/(29 - 23) | -0.0258333 |
| 0.534 (6/16/2020) | 0.554 (8/2/2018) | (0.534 - 0.554)/(30 - 23) | -0.00285714 |
| 0.512 (9/21/2020) | 0.554 (8/2/2018) | (0.512 - 0.554)/(31 - 23) | -0.00525 |
| 0.428 (12/17/2020) | 0.554 (8/2/2018) | (0.428 - 0.554)/(32 - 23) | -0.014 |
| 0.57 (3/18/2021) | 0.554 (8/2/2018) | (0.57 - 0.554)/(33 - 23) | 0.0016 |
| 0.576 (5/5/2021) | 0.554 (8/2/2018) | (0.576 - 0.554)/(34 - 23) | 0.002 |
| 0.431 (9/2/2021) | 0.554 (8/2/2018) | (0.431 - 0.554)/(35 - 23) | -0.01025 |
| ND<0.25 U (11/23/2021) | 0.554 (8/2/2018) | (0.25 - 0.554)/(36 - 23) | -0.0233846 |
| 1.3 (1/11/2022) | 0.554 (8/2/2018) | (1.3 - 0.554)/(37 - 23) | 0.0532857 |
| 0.516 (4/7/2022) | 0.554 (8/2/2018) | (0.516 - 0.554)/(38 - 23) | -0.00253333 |
| 0.812 (8/2/2022) | 0.554 (8/2/2018) | (0.812 - 0.554)/(39 - 23) | 0.016125 |
| 0.314 (11/16/2022) | 0.554 (8/2/2018) | (0.314 - 0.554)/(40 - 23) | -0.0141176 |
| 0.344 (2/14/2023) | 0.554 (8/2/2018) | (0.344 - 0.554)/(41 - 23) | -0.0116667 |
| 0.638 (5/25/2023) | 0.554 (8/2/2018) | (0.638 - 0.554)/(42 - 23) | 0.00442105 |
| 0.636 (8/7/2023) | 0.554 (8/2/2018) | (0.636 - 0.554)/(43 - 23) | 0.0041 |
| 0.573 (12/12/2023) | 0.554 (8/2/2018) | (0.573 - 0.554)/(44 - 23) | 0.000904762 |
| 0.576 (1/10/2024) | 0.554 (8/2/2018) | (0.576 - 0.554)/(45 - 23) | 0.001 |
| 0.261 (5/21/2024) | 0.554 (8/2/2018) | (0.261 - 0.554)/(46 - 23) | -0.0127391 |
| 0.75 (9/16/2024) | 0.554 (8/2/2018) | (0.75 - 0.554)/(47 - 23) | 0.00816667 |
| 0.451 (12/11/2024) | 0.554 (8/2/2018) | (0.451 - 0.554)/(48 - 23) | -0.00412 |
| 0.522 (2/18/2025) | 0.554 (8/2/2018) | (0.522 - 0.554)/(49 - 23) | -0.00123077 |
| | | | |
| 0.374 (4/15/2019) | 0.522 (12/10/2018) | (0.374 - 0.522)/(25 - 24) | -0.148 |
| ND<0.25 U (6/12/2019) | 0.522 (12/10/2018) | (0.25 - 0.522)/(26 - 24) | -0.136 |
| 0.508 (8/27/2019) | 0.522 (12/10/2018) | (0.508 - 0.522)/(27 - 24) | -0.00466667 |
| 0.631 (10/29/2019) | 0.522 (12/10/2018) | (0.631 - 0.522)/(28 - 24) | 0.02725 |
| 0.399 (3/30/2020) | 0.522 (12/10/2018) | (0.399 - 0.522)/(29 - 24) | -0.0246 |
| 0.534 (6/16/2020) | 0.522 (12/10/2018) | (0.534 - 0.522)/(30 - 24) | 0.002 |
| 0.512 (9/21/2020) | 0.522 (12/10/2018) | (0.512 - 0.522)/(31 - 24) | -0.00142857 |
| 0.428 (12/17/2020) | 0.522 (12/10/2018) | (0.428 - 0.522)/(32 - 24) | -0.01175 |
| 0.57 (3/18/2021) | 0.522 (12/10/2018) | (0.57 - 0.522)/(33 - 24) | 0.00533333 |
| 0.576 (5/5/2021) | 0.522 (12/10/2018) | (0.576 - 0.522)/(34 - 24) | 0.0054 |
| 0.431 (9/2/2021) | 0.522 (12/10/2018) | (0.431 - 0.522)/(35 - 24) | -0.00827273 |
| ND<0.25 U (11/23/2021) | 0.522 (12/10/2018) | (0.25 - 0.522)/(36 - 24) | -0.0226667 |
| 1.3 (1/11/2022) | 0.522 (12/10/2018) | (1.3 - 0.522)/(37 - 24) | 0.0598462 |
| 0.516 (4/7/2022) | 0.522 (12/10/2018) | (0.516 - 0.522)/(38 - 24) | -0.000428571 |
| 0.812 (8/2/2022) | 0.522 (12/10/2018) | (0.812 - 0.522)/(39 - 24) | 0.0193333 |
| 0.314 (11/16/2022) | 0.522 (12/10/2018) | (0.314 - 0.522)/(40 - 24) | -0.013 |
| 0.344 (2/14/2023) | 0.522 (12/10/2018) | (0.344 - 0.522)/(41 - 24) | -0.0104706 |
| 0.638 (5/25/2023) | 0.522 (12/10/2018) | (0.638 - 0.522)/(42 - 24) | 0.00644444 |
| 0.636 (8/7/2023) | 0.522 (12/10/2018) | (0.636 - 0.522)/(43 - 24) | 0.006 |
| 0.573 (12/12/2023) | 0.522 (12/10/2018) | (0.573 - 0.522)/(44 - 24) | 0.00255 |
| 0.576 (1/10/2024) | 0.522 (12/10/2018) | (0.576 - 0.522)/(45 - 24) | 0.00257143 |
| 0.261 (5/21/2024) | 0.522 (12/10/2018) | (0.261 - 0.522)/(46 - 24) | -0.0118636 |
| 0.75 (9/16/2024) | 0.522 (12/10/2018) | (0.75 - 0.522)/(47 - 24) | 0.00991304 |
| 0.451 (12/11/2024) | 0.522 (12/10/2018) | (0.451 - 0.522)/(48 - 24) | -0.00295833 |
| 0.522 (2/18/2025) | 0.522 (12/10/2018) | (0.522 - 0.522)/(49 - 24) | 0 |
| | | | |
| ND<0.25 U (6/12/2019) | 0.374 (4/15/2019) | (0.25 - 0.374)/(26 - 25) | -0.124 |
| 0.508 (8/27/2019) | 0.374 (4/15/2019) | (0.508 - 0.374)/(27 - 25) | 0.067 |
| 0.631 (10/29/2019) | 0.374 (4/15/2019) | (0.631 - 0.374)/(28 - 25) | 0.0856667 |

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|---|---|---|---|
| 0.399 (3/30/2020) | 0.374 (4/15/2019) | (0.399 - 0.374)/(29 - 25) | 0.00625 |
| 0.534 (6/16/2020) | 0.374 (4/15/2019) | (0.534 - 0.374)/(30 - 25) | 0.032 |
| 0.512 (9/21/2020) | 0.374 (4/15/2019) | (0.512 - 0.374)/(31 - 25) | 0.023 |
| 0.428 (12/17/2020) | 0.374 (4/15/2019) | (0.428 - 0.374)/(32 - 25) | 0.00771429 |
| 0.57 (3/18/2021) | 0.374 (4/15/2019) | (0.57 - 0.374)/(33 - 25) | 0.0245 |
| 0.576 (5/5/2021) | 0.374 (4/15/2019) | (0.576 - 0.374)/(34 - 25) | 0.0224444 |
| 0.431 (9/2/2021) | 0.374 (4/15/2019) | (0.431 - 0.374)/(35 - 25) | 0.0057 |
| ND<0.25 U (11/23/2021) | 0.374 (4/15/2019) | (0.25 - 0.374)/(36 - 25) | -0.0112727 |
| 1.3 (1/11/2022) | 0.374 (4/15/2019) | (1.3 - 0.374)/(37 - 25) | 0.0771667 |
| 0.516 (4/7/2022) | 0.374 (4/15/2019) | (0.516 - 0.374)/(38 - 25) | 0.0109231 |
| 0.812 (8/2/2022) | 0.374 (4/15/2019) | (0.812 - 0.374)/(39 - 25) | 0.0312857 |
| 0.314 (11/16/2022) | 0.374 (4/15/2019) | (0.314 - 0.374)/(40 - 25) | -0.004 |
| 0.344 (2/14/2023) | 0.374 (4/15/2019) | (0.344 - 0.374)/(41 - 25) | -0.001875 |
| 0.638 (5/25/2023) | 0.374 (4/15/2019) | (0.638 - 0.374)/(42 - 25) | 0.0155294 |
| 0.636 (8/7/2023) | 0.374 (4/15/2019) | (0.636 - 0.374)/(43 - 25) | 0.0145556 |
| 0.573 (12/12/2023) | 0.374 (4/15/2019) | (0.573 - 0.374)/(44 - 25) | 0.0104737 |
| 0.576 (1/10/2024) | 0.374 (4/15/2019) | (0.576 - 0.374)/(45 - 25) | 0.0101 |
| 0.261 (5/21/2024) | 0.374 (4/15/2019) | (0.261 - 0.374)/(46 - 25) | -0.00538095 |
| 0.75 (9/16/2024) | 0.374 (4/15/2019) | (0.75 - 0.374)/(47 - 25) | 0.0170909 |
| 0.451 (12/11/2024) | 0.374 (4/15/2019) | (0.451 - 0.374)/(48 - 25) | 0.00334783 |
| 0.522 (2/18/2025) | 0.374 (4/15/2019) | (0.522 - 0.374)/(49 - 25) | 0.00616667 |
| | | | |
| 0.508 (8/27/2019) | ND<0.25 U (6/12/2019) | (0.508 - 0.25)/(27 - 26) | 0.258 |
| 0.631 (10/29/2019) | ND<0.25 U (6/12/2019) | (0.631 - 0.25)/(28 - 26) | 0.1905 |
| 0.399 (3/30/2020) | ND<0.25 U (6/12/2019) | (0.399 - 0.25)/(29 - 26) | 0.0496667 |
| 0.534 (6/16/2020) | ND<0.25 U (6/12/2019) | (0.534 - 0.25)/(30 - 26) | 0.071 |
| 0.512 (9/21/2020) | ND<0.25 U (6/12/2019) | (0.512 - 0.25)/(31 - 26) | 0.0524 |
| 0.428 (12/17/2020) | ND<0.25 U (6/12/2019) | (0.428 - 0.25)/(32 - 26) | 0.0296667 |
| 0.57 (3/18/2021) | ND<0.25 U (6/12/2019) | (0.57 - 0.25)/(33 - 26) | 0.0457143 |
| 0.576 (5/5/2021) | ND<0.25 U (6/12/2019) | (0.576 - 0.25)/(34 - 26) | 0.04075 |
| 0.431 (9/2/2021) | ND<0.25 U (6/12/2019) | (0.431 - 0.25)/(35 - 26) | 0.0201111 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(36 - 26) | 0 |
| 1.3 (1/11/2022) | ND<0.25 U (6/12/2019) | (1.3 - 0.25)/(37 - 26) | 0.0954545 |
| 0.516 (4/7/2022) | ND<0.25 U (6/12/2019) | (0.516 - 0.25)/(38 - 26) | 0.0221667 |
| 0.812 (8/2/2022) | ND<0.25 U (6/12/2019) | (0.812 - 0.25)/(39 - 26) | 0.0432308 |
| 0.314 (11/16/2022) | ND<0.25 U (6/12/2019) | (0.314 - 0.25)/(40 - 26) | 0.00457143 |
| 0.344 (2/14/2023) | ND<0.25 U (6/12/2019) | (0.344 - 0.25)/(41 - 26) | 0.00626667 |
| 0.638 (5/25/2023) | ND<0.25 U (6/12/2019) | (0.638 - 0.25)/(42 - 26) | 0.02425 |
| 0.636 (8/7/2023) | ND<0.25 U (6/12/2019) | (0.636 - 0.25)/(43 - 26) | 0.0227059 |
| 0.573 (12/12/2023) | ND<0.25 U (6/12/2019) | (0.573 - 0.25)/(44 - 26) | 0.0179444 |
| 0.576 (1/10/2024) | ND<0.25 U (6/12/2019) | (0.576 - 0.25)/(45 - 26) | 0.0171579 |
| 0.261 (5/21/2024) | ND<0.25 U (6/12/2019) | (0.261 - 0.25)/(46 - 26) | 0.00055 |
| 0.75 (9/16/2024) | ND<0.25 U (6/12/2019) | (0.75 - 0.25)/(47 - 26) | 0.0238095 |
| 0.451 (12/11/2024) | ND<0.25 U (6/12/2019) | (0.451 - 0.25)/(48 - 26) | 0.00913636 |
| 0.522 (2/18/2025) | ND<0.25 U (6/12/2019) | (0.522 - 0.25)/(49 - 26) | 0.0118261 |
| | | | |
| 0.631 (10/29/2019) | 0.508 (8/27/2019) | (0.631 - 0.508)/(28 - 27) | 0.123 |
| 0.399 (3/30/2020) | 0.508 (8/27/2019) | (0.399 - 0.508)/(29 - 27) | -0.0545 |
| 0.534 (6/16/2020) | 0.508 (8/27/2019) | (0.534 - 0.508)/(30 - 27) | 0.00866667 |
| 0.512 (9/21/2020) | 0.508 (8/27/2019) | (0.512 - 0.508)/(31 - 27) | 0.001 |
| 0.428 (12/17/2020) | 0.508 (8/27/2019) | (0.428 - 0.508)/(32 - 27) | -0.016 |
| 0.57 (3/18/2021) | 0.508 (8/27/2019) | (0.57 - 0.508)/(33 - 27) | 0.0103333 |
| 0.576 (5/5/2021) | 0.508 (8/27/2019) | (0.576 - 0.508)/(34 - 27) | 0.00971429 |
| 0.431 (9/2/2021) | 0.508 (8/27/2019) | (0.431 - 0.508)/(35 - 27) | -0.009625 |
| ND<0.25 U (11/23/2021) | 0.508 (8/27/2019) | (0.25 - 0.508)/(36 - 27) | -0.0286667 |
| 1.3 (1/11/2022) | 0.508 (8/27/2019) | (1.3 - 0.508)/(37 - 27) | 0.0792 |
| 0.516 (4/7/2022) | 0.508 (8/27/2019) | (0.516 - 0.508)/(38 - 27) | 0.000727273 |

| | | | |
|---|---|---|---|
| 0.812 (8/2/2022) | 0.508 (8/27/2019) | (0.812 - 0.508)/(39 - 27) | 0.0253333 |
| 0.314 (11/16/2022) | 0.508 (8/27/2019) | (0.314 - 0.508)/(40 - 27) | -0.0149231 |
| 0.344 (2/14/2023) | 0.508 (8/27/2019) | (0.344 - 0.508)/(41 - 27) | -0.0117143 |
| 0.638 (5/25/2023) | 0.508 (8/27/2019) | (0.638 - 0.508)/(42 - 27) | 0.00866667 |
| 0.636 (8/7/2023) | 0.508 (8/27/2019) | (0.636 - 0.508)/(43 - 27) | 0.008 |
| 0.573 (12/12/2023) | 0.508 (8/27/2019) | (0.573 - 0.508)/(44 - 27) | 0.00382353 |
| 0.576 (1/10/2024) | 0.508 (8/27/2019) | (0.576 - 0.508)/(45 - 27) | 0.00377778 |
| 0.261 (5/21/2024) | 0.508 (8/27/2019) | (0.261 - 0.508)/(46 - 27) | -0.013 |
| 0.75 (9/16/2024) | 0.508 (8/27/2019) | (0.75 - 0.508)/(47 - 27) | 0.0121 |
| 0.451 (12/11/2024) | 0.508 (8/27/2019) | (0.451 - 0.508)/(48 - 27) | -0.00271429 |
| 0.522 (2/18/2025) | 0.508 (8/27/2019) | (0.522 - 0.508)/(49 - 27) | 0.000636364 |
| | | | |
| 0.399 (3/30/2020) | 0.631 (10/29/2019) | (0.399 - 0.631)/(29 - 28) | -0.232 |
| 0.534 (6/16/2020) | 0.631 (10/29/2019) | (0.534 - 0.631)/(30 - 28) | -0.0485 |
| 0.512 (9/21/2020) | 0.631 (10/29/2019) | (0.512 - 0.631)/(31 - 28) | -0.0396667 |
| 0.428 (12/17/2020) | 0.631 (10/29/2019) | (0.428 - 0.631)/(32 - 28) | -0.05075 |
| 0.57 (3/18/2021) | 0.631 (10/29/2019) | (0.57 - 0.631)/(33 - 28) | -0.0122 |
| 0.576 (5/5/2021) | 0.631 (10/29/2019) | (0.576 - 0.631)/(34 - 28) | -0.00916667 |
| 0.431 (9/2/2021) | 0.631 (10/29/2019) | (0.431 - 0.631)/(35 - 28) | -0.0285714 |
| ND<0.25 U (11/23/2021) | 0.631 (10/29/2019) | (0.25 - 0.631)/(36 - 28) | -0.047625 |
| 1.3 (1/11/2022) | 0.631 (10/29/2019) | (1.3 - 0.631)/(37 - 28) | 0.0743333 |
| 0.516 (4/7/2022) | 0.631 (10/29/2019) | (0.516 - 0.631)/(38 - 28) | -0.0115 |
| 0.812 (8/2/2022) | 0.631 (10/29/2019) | (0.812 - 0.631)/(39 - 28) | 0.0164545 |
| 0.314 (11/16/2022) | 0.631 (10/29/2019) | (0.314 - 0.631)/(40 - 28) | -0.0264167 |
| 0.344 (2/14/2023) | 0.631 (10/29/2019) | (0.344 - 0.631)/(41 - 28) | -0.0220769 |
| 0.638 (5/25/2023) | 0.631 (10/29/2019) | (0.638 - 0.631)/(42 - 28) | 0.0005 |
| 0.636 (8/7/2023) | 0.631 (10/29/2019) | (0.636 - 0.631)/(43 - 28) | 0.000333333 |
| 0.573 (12/12/2023) | 0.631 (10/29/2019) | (0.573 - 0.631)/(44 - 28) | -0.003625 |
| 0.576 (1/10/2024) | 0.631 (10/29/2019) | (0.576 - 0.631)/(45 - 28) | -0.00323529 |
| 0.261 (5/21/2024) | 0.631 (10/29/2019) | (0.261 - 0.631)/(46 - 28) | -0.0205556 |
| 0.75 (9/16/2024) | 0.631 (10/29/2019) | (0.75 - 0.631)/(47 - 28) | 0.00626316 |
| 0.451 (12/11/2024) | 0.631 (10/29/2019) | (0.451 - 0.631)/(48 - 28) | -0.009 |
| 0.522 (2/18/2025) | 0.631 (10/29/2019) | (0.522 - 0.631)/(49 - 28) | -0.00519048 |
| | | | |
| 0.534 (6/16/2020) | 0.399 (3/30/2020) | (0.534 - 0.399)/(30 - 29) | 0.135 |
| 0.512 (9/21/2020) | 0.399 (3/30/2020) | (0.512 - 0.399)/(31 - 29) | 0.0565 |
| 0.428 (12/17/2020) | 0.399 (3/30/2020) | (0.428 - 0.399)/(32 - 29) | 0.00966667 |
| 0.57 (3/18/2021) | 0.399 (3/30/2020) | (0.57 - 0.399)/(33 - 29) | 0.04275 |
| 0.576 (5/5/2021) | 0.399 (3/30/2020) | (0.576 - 0.399)/(34 - 29) | 0.0354 |
| 0.431 (9/2/2021) | 0.399 (3/30/2020) | (0.431 - 0.399)/(35 - 29) | 0.00533333 |
| ND<0.25 U (11/23/2021) | 0.399 (3/30/2020) | (0.25 - 0.399)/(36 - 29) | -0.0212857 |
| 1.3 (1/11/2022) | 0.399 (3/30/2020) | (1.3 - 0.399)/(37 - 29) | 0.112625 |
| 0.516 (4/7/2022) | 0.399 (3/30/2020) | (0.516 - 0.399)/(38 - 29) | 0.013 |
| 0.812 (8/2/2022) | 0.399 (3/30/2020) | (0.812 - 0.399)/(39 - 29) | 0.0413 |
| 0.314 (11/16/2022) | 0.399 (3/30/2020) | (0.314 - 0.399)/(40 - 29) | -0.00772727 |
| 0.344 (2/14/2023) | 0.399 (3/30/2020) | (0.344 - 0.399)/(41 - 29) | -0.00458333 |
| 0.638 (5/25/2023) | 0.399 (3/30/2020) | (0.638 - 0.399)/(42 - 29) | 0.0183846 |
| 0.636 (8/7/2023) | 0.399 (3/30/2020) | (0.636 - 0.399)/(43 - 29) | 0.0169286 |
| 0.573 (12/12/2023) | 0.399 (3/30/2020) | (0.573 - 0.399)/(44 - 29) | 0.0116 |
| 0.576 (1/10/2024) | 0.399 (3/30/2020) | (0.576 - 0.399)/(45 - 29) | 0.0110625 |
| 0.261 (5/21/2024) | 0.399 (3/30/2020) | (0.261 - 0.399)/(46 - 29) | -0.00811765 |
| 0.75 (9/16/2024) | 0.399 (3/30/2020) | (0.75 - 0.399)/(47 - 29) | 0.0195 |
| 0.451 (12/11/2024) | 0.399 (3/30/2020) | (0.451 - 0.399)/(48 - 29) | 0.00273684 |
| 0.522 (2/18/2025) | 0.399 (3/30/2020) | (0.522 - 0.399)/(49 - 29) | 0.00615 |
| | | | |
| 0.512 (9/21/2020) | 0.534 (6/16/2020) | (0.512 - 0.534)/(31 - 30) | -0.022 |
| 0.428 (12/17/2020) | 0.534 (6/16/2020) | (0.428 - 0.534)/(32 - 30) | -0.053 |

| | | | |
|---|---|---|---|
| 0.57 (3/18/2021) | 0.534 (6/16/2020) | (0.57 - 0.534)/(33 - 30) | 0.012 |
| 0.576 (5/5/2021) | 0.534 (6/16/2020) | (0.576 - 0.534)/(34 - 30) | 0.0105 |
| 0.431 (9/2/2021) | 0.534 (6/16/2020) | (0.431 - 0.534)/(35 - 30) | -0.0206 |
| ND<0.25 U (11/23/2021) | 0.534 (6/16/2020) | (0.25 - 0.534)/(36 - 30) | -0.0473333 |
| 1.3 (1/11/2022) | 0.534 (6/16/2020) | (1.3 - 0.534)/(37 - 30) | 0.109429 |
| 0.516 (4/7/2022) | 0.534 (6/16/2020) | (0.516 - 0.534)/(38 - 30) | -0.00225 |
| 0.812 (8/2/2022) | 0.534 (6/16/2020) | (0.812 - 0.534)/(39 - 30) | 0.0308889 |
| 0.314 (11/16/2022) | 0.534 (6/16/2020) | (0.314 - 0.534)/(40 - 30) | -0.022 |
| 0.344 (2/14/2023) | 0.534 (6/16/2020) | (0.344 - 0.534)/(41 - 30) | -0.0172727 |
| 0.638 (5/25/2023) | 0.534 (6/16/2020) | (0.638 - 0.534)/(42 - 30) | 0.00866667 |
| 0.636 (8/7/2023) | 0.534 (6/16/2020) | (0.636 - 0.534)/(43 - 30) | 0.00784615 |
| 0.573 (12/12/2023) | 0.534 (6/16/2020) | (0.573 - 0.534)/(44 - 30) | 0.00278571 |
| 0.576 (1/10/2024) | 0.534 (6/16/2020) | (0.576 - 0.534)/(45 - 30) | 0.0028 |
| 0.261 (5/21/2024) | 0.534 (6/16/2020) | (0.261 - 0.534)/(46 - 30) | -0.0170625 |
| 0.75 (9/16/2024) | 0.534 (6/16/2020) | (0.75 - 0.534)/(47 - 30) | 0.0127059 |
| 0.451 (12/11/2024) | 0.534 (6/16/2020) | (0.451 - 0.534)/(48 - 30) | -0.00461111 |
| 0.522 (2/18/2025) | 0.534 (6/16/2020) | (0.522 - 0.534)/(49 - 30) | -0.000631579 |
| | | | |
| 0.428 (12/17/2020) | 0.512 (9/21/2020) | (0.428 - 0.512)/(32 - 31) | -0.084 |
| 0.57 (3/18/2021) | 0.512 (9/21/2020) | (0.57 - 0.512)/(33 - 31) | 0.029 |
| 0.576 (5/5/2021) | 0.512 (9/21/2020) | (0.576 - 0.512)/(34 - 31) | 0.0213333 |
| 0.431 (9/2/2021) | 0.512 (9/21/2020) | (0.431 - 0.512)/(35 - 31) | -0.02025 |
| ND<0.25 U (11/23/2021) | 0.512 (9/21/2020) | (0.25 - 0.512)/(36 - 31) | -0.0524 |
| 1.3 (1/11/2022) | 0.512 (9/21/2020) | (1.3 - 0.512)/(37 - 31) | 0.131333 |
| 0.516 (4/7/2022) | 0.512 (9/21/2020) | (0.516 - 0.512)/(38 - 31) | 0.000571429 |
| 0.812 (8/2/2022) | 0.512 (9/21/2020) | (0.812 - 0.512)/(39 - 31) | 0.0375 |
| 0.314 (11/16/2022) | 0.512 (9/21/2020) | (0.314 - 0.512)/(40 - 31) | -0.022 |
| 0.344 (2/14/2023) | 0.512 (9/21/2020) | (0.344 - 0.512)/(41 - 31) | -0.0168 |
| 0.638 (5/25/2023) | 0.512 (9/21/2020) | (0.638 - 0.512)/(42 - 31) | 0.0114545 |
| 0.636 (8/7/2023) | 0.512 (9/21/2020) | (0.636 - 0.512)/(43 - 31) | 0.0103333 |
| 0.573 (12/12/2023) | 0.512 (9/21/2020) | (0.573 - 0.512)/(44 - 31) | 0.00469231 |
| 0.576 (1/10/2024) | 0.512 (9/21/2020) | (0.576 - 0.512)/(45 - 31) | 0.00457143 |
| 0.261 (5/21/2024) | 0.512 (9/21/2020) | (0.261 - 0.512)/(46 - 31) | -0.0167333 |
| 0.75 (9/16/2024) | 0.512 (9/21/2020) | (0.75 - 0.512)/(47 - 31) | 0.014875 |
| 0.451 (12/11/2024) | 0.512 (9/21/2020) | (0.451 - 0.512)/(48 - 31) | -0.00358824 |
| 0.522 (2/18/2025) | 0.512 (9/21/2020) | (0.522 - 0.512)/(49 - 31) | 0.000555556 |
| | | | |
| 0.57 (3/18/2021) | 0.428 (12/17/2020) | (0.57 - 0.428)/(33 - 32) | 0.142 |
| 0.576 (5/5/2021) | 0.428 (12/17/2020) | (0.576 - 0.428)/(34 - 32) | 0.074 |
| 0.431 (9/2/2021) | 0.428 (12/17/2020) | (0.431 - 0.428)/(35 - 32) | 0.001 |
| ND<0.25 U (11/23/2021) | 0.428 (12/17/2020) | (0.25 - 0.428)/(36 - 32) | -0.0445 |
| 1.3 (1/11/2022) | 0.428 (12/17/2020) | (1.3 - 0.428)/(37 - 32) | 0.1744 |
| 0.516 (4/7/2022) | 0.428 (12/17/2020) | (0.516 - 0.428)/(38 - 32) | 0.0146667 |
| 0.812 (8/2/2022) | 0.428 (12/17/2020) | (0.812 - 0.428)/(39 - 32) | 0.0548571 |
| 0.314 (11/16/2022) | 0.428 (12/17/2020) | (0.314 - 0.428)/(40 - 32) | -0.01425 |
| 0.344 (2/14/2023) | 0.428 (12/17/2020) | (0.344 - 0.428)/(41 - 32) | -0.00933333 |
| 0.638 (5/25/2023) | 0.428 (12/17/2020) | (0.638 - 0.428)/(42 - 32) | 0.021 |
| 0.636 (8/7/2023) | 0.428 (12/17/2020) | (0.636 - 0.428)/(43 - 32) | 0.0189091 |
| 0.573 (12/12/2023) | 0.428 (12/17/2020) | (0.573 - 0.428)/(44 - 32) | 0.0120833 |
| 0.576 (1/10/2024) | 0.428 (12/17/2020) | (0.576 - 0.428)/(45 - 32) | 0.0113846 |
| 0.261 (5/21/2024) | 0.428 (12/17/2020) | (0.261 - 0.428)/(46 - 32) | -0.0119286 |
| 0.75 (9/16/2024) | 0.428 (12/17/2020) | (0.75 - 0.428)/(47 - 32) | 0.0214667 |
| 0.451 (12/11/2024) | 0.428 (12/17/2020) | (0.451 - 0.428)/(48 - 32) | 0.0014375 |
| 0.522 (2/18/2025) | 0.428 (12/17/2020) | (0.522 - 0.428)/(49 - 32) | 0.00552941 |
| | | | |
| 0.576 (5/5/2021) | 0.57 (3/18/2021) | (0.576 - 0.57)/(34 - 33) | 0.006 |
| 0.431 (9/2/2021) | 0.57 (3/18/2021) | (0.431 - 0.57)/(35 - 33) | -0.0695 |

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|---|---|---|---|
| ND<0.25 U (11/23/2021) | 0.57 (3/18/2021) | (0.25 - 0.57)/(36 - 33) | -0.106667 |
| 1.3 (1/11/2022) | 0.57 (3/18/2021) | (1.3 - 0.57)/(37 - 33) | 0.1825 |
| 0.516 (4/7/2022) | 0.57 (3/18/2021) | (0.516 - 0.57)/(38 - 33) | -0.0108 |
| 0.812 (8/2/2022) | 0.57 (3/18/2021) | (0.812 - 0.57)/(39 - 33) | 0.0403333 |
| 0.314 (11/16/2022) | 0.57 (3/18/2021) | (0.314 - 0.57)/(40 - 33) | -0.0365714 |
| 0.344 (2/14/2023) | 0.57 (3/18/2021) | (0.344 - 0.57)/(41 - 33) | -0.02825 |
| 0.638 (5/25/2023) | 0.57 (3/18/2021) | (0.638 - 0.57)/(42 - 33) | 0.00755556 |
| 0.636 (8/7/2023) | 0.57 (3/18/2021) | (0.636 - 0.57)/(43 - 33) | 0.0066 |
| 0.573 (12/12/2023) | 0.57 (3/18/2021) | (0.573 - 0.57)/(44 - 33) | 0.000272727 |
| 0.576 (1/10/2024) | 0.57 (3/18/2021) | (0.576 - 0.57)/(45 - 33) | 0.0005 |
| 0.261 (5/21/2024) | 0.57 (3/18/2021) | (0.261 - 0.57)/(46 - 33) | -0.0237692 |
| 0.75 (9/16/2024) | 0.57 (3/18/2021) | (0.75 - 0.57)/(47 - 33) | 0.0128571 |
| 0.451 (12/11/2024) | 0.57 (3/18/2021) | (0.451 - 0.57)/(48 - 33) | -0.00793333 |
| 0.522 (2/18/2025) | 0.57 (3/18/2021) | (0.522 - 0.57)/(49 - 33) | -0.003 |
| | | | |
| 0.431 (9/2/2021) | 0.576 (5/5/2021) | (0.431 - 0.576)/(35 - 34) | -0.145 |
| ND<0.25 U (11/23/2021) | 0.576 (5/5/2021) | (0.25 - 0.576)/(36 - 34) | -0.163 |
| 1.3 (1/11/2022) | 0.576 (5/5/2021) | (1.3 - 0.576)/(37 - 34) | 0.241333 |
| 0.516 (4/7/2022) | 0.576 (5/5/2021) | (0.516 - 0.576)/(38 - 34) | -0.015 |
| 0.812 (8/2/2022) | 0.576 (5/5/2021) | (0.812 - 0.576)/(39 - 34) | 0.0472 |
| 0.314 (11/16/2022) | 0.576 (5/5/2021) | (0.314 - 0.576)/(40 - 34) | -0.0436667 |
| 0.344 (2/14/2023) | 0.576 (5/5/2021) | (0.344 - 0.576)/(41 - 34) | -0.0331429 |
| 0.638 (5/25/2023) | 0.576 (5/5/2021) | (0.638 - 0.576)/(42 - 34) | 0.00775 |
| 0.636 (8/7/2023) | 0.576 (5/5/2021) | (0.636 - 0.576)/(43 - 34) | 0.00666667 |
| 0.573 (12/12/2023) | 0.576 (5/5/2021) | (0.573 - 0.576)/(44 - 34) | -0.0003 |
| 0.576 (1/10/2024) | 0.576 (5/5/2021) | (0.576 - 0.576)/(45 - 34) | 0 |
| 0.261 (5/21/2024) | 0.576 (5/5/2021) | (0.261 - 0.576)/(46 - 34) | -0.02625 |
| 0.75 (9/16/2024) | 0.576 (5/5/2021) | (0.75 - 0.576)/(47 - 34) | 0.0133846 |
| 0.451 (12/11/2024) | 0.576 (5/5/2021) | (0.451 - 0.576)/(48 - 34) | -0.00892857 |
| 0.522 (2/18/2025) | 0.576 (5/5/2021) | (0.522 - 0.576)/(49 - 34) | -0.0036 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.431 (9/2/2021) | (0.25 - 0.431)/(36 - 35) | -0.181 |
| 1.3 (1/11/2022) | 0.431 (9/2/2021) | (1.3 - 0.431)/(37 - 35) | 0.4345 |
| 0.516 (4/7/2022) | 0.431 (9/2/2021) | (0.516 - 0.431)/(38 - 35) | 0.0283333 |
| 0.812 (8/2/2022) | 0.431 (9/2/2021) | (0.812 - 0.431)/(39 - 35) | 0.09525 |
| 0.314 (11/16/2022) | 0.431 (9/2/2021) | (0.314 - 0.431)/(40 - 35) | -0.0234 |
| 0.344 (2/14/2023) | 0.431 (9/2/2021) | (0.344 - 0.431)/(41 - 35) | -0.0145 |
| 0.638 (5/25/2023) | 0.431 (9/2/2021) | (0.638 - 0.431)/(42 - 35) | 0.0295714 |
| 0.636 (8/7/2023) | 0.431 (9/2/2021) | (0.636 - 0.431)/(43 - 35) | 0.025625 |
| 0.573 (12/12/2023) | 0.431 (9/2/2021) | (0.573 - 0.431)/(44 - 35) | 0.0157778 |
| 0.576 (1/10/2024) | 0.431 (9/2/2021) | (0.576 - 0.431)/(45 - 35) | 0.0145 |
| 0.261 (5/21/2024) | 0.431 (9/2/2021) | (0.261 - 0.431)/(46 - 35) | -0.0154545 |
| 0.75 (9/16/2024) | 0.431 (9/2/2021) | (0.75 - 0.431)/(47 - 35) | 0.0265833 |
| 0.451 (12/11/2024) | 0.431 (9/2/2021) | (0.451 - 0.431)/(48 - 35) | 0.00153846 |
| 0.522 (2/18/2025) | 0.431 (9/2/2021) | (0.522 - 0.431)/(49 - 35) | 0.0065 |
| | | | |
| 1.3 (1/11/2022) | ND<0.25 U (11/23/2021) | (1.3 - 0.25)/(37 - 36) | 1.05 |
| 0.516 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.516 - 0.25)/(38 - 36) | 0.133 |
| 0.812 (8/2/2022) | ND<0.25 U (11/23/2021) | (0.812 - 0.25)/(39 - 36) | 0.187333 |
| 0.314 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.314 - 0.25)/(40 - 36) | 0.016 |
| 0.344 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.344 - 0.25)/(41 - 36) | 0.0188 |
| 0.638 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.638 - 0.25)/(42 - 36) | 0.0646667 |
| 0.636 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.636 - 0.25)/(43 - 36) | 0.0551429 |
| 0.573 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.573 - 0.25)/(44 - 36) | 0.040375 |
| 0.576 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.576 - 0.25)/(45 - 36) | 0.0362222 |
| 0.261 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.261 - 0.25)/(46 - 36) | 0.0011 |
| 0.75 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.75 - 0.25)/(47 - 36) | 0.0454545 |

| | | | |
|---|---|---|---|
| 0.451 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.451 - 0.25)/(48 - 36) | 0.01675 |
| 0.522 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.522 - 0.25)/(49 - 36) | 0.0209231 |
| | | | |
| 0.516 (4/7/2022) | 1.3 (1/11/2022) | (0.516 - 1.3)/(38 - 37) | -0.784 |
| 0.812 (8/2/2022) | 1.3 (1/11/2022) | (0.812 - 1.3)/(39 - 37) | -0.244 |
| 0.314 (11/16/2022) | 1.3 (1/11/2022) | (0.314 - 1.3)/(40 - 37) | -0.328667 |
| 0.344 (2/14/2023) | 1.3 (1/11/2022) | (0.344 - 1.3)/(41 - 37) | -0.239 |
| 0.638 (5/25/2023) | 1.3 (1/11/2022) | (0.638 - 1.3)/(42 - 37) | -0.1324 |
| 0.636 (8/7/2023) | 1.3 (1/11/2022) | (0.636 - 1.3)/(43 - 37) | -0.110667 |
| 0.573 (12/12/2023) | 1.3 (1/11/2022) | (0.573 - 1.3)/(44 - 37) | -0.103857 |
| 0.576 (1/10/2024) | 1.3 (1/11/2022) | (0.576 - 1.3)/(45 - 37) | -0.0905 |
| 0.261 (5/21/2024) | 1.3 (1/11/2022) | (0.261 - 1.3)/(46 - 37) | -0.115444 |
| 0.75 (9/16/2024) | 1.3 (1/11/2022) | (0.75 - 1.3)/(47 - 37) | -0.055 |
| 0.451 (12/11/2024) | 1.3 (1/11/2022) | (0.451 - 1.3)/(48 - 37) | -0.0771818 |
| 0.522 (2/18/2025) | 1.3 (1/11/2022) | (0.522 - 1.3)/(49 - 37) | -0.0648333 |
| | | | |
| 0.812 (8/2/2022) | 0.516 (4/7/2022) | (0.812 - 0.516)/(39 - 38) | 0.296 |
| 0.314 (11/16/2022) | 0.516 (4/7/2022) | (0.314 - 0.516)/(40 - 38) | -0.101 |
| 0.344 (2/14/2023) | 0.516 (4/7/2022) | (0.344 - 0.516)/(41 - 38) | -0.0573333 |
| 0.638 (5/25/2023) | 0.516 (4/7/2022) | (0.638 - 0.516)/(42 - 38) | 0.0305 |
| 0.636 (8/7/2023) | 0.516 (4/7/2022) | (0.636 - 0.516)/(43 - 38) | 0.024 |
| 0.573 (12/12/2023) | 0.516 (4/7/2022) | (0.573 - 0.516)/(44 - 38) | 0.0095 |
| 0.576 (1/10/2024) | 0.516 (4/7/2022) | (0.576 - 0.516)/(45 - 38) | 0.00857143 |
| 0.261 (5/21/2024) | 0.516 (4/7/2022) | (0.261 - 0.516)/(46 - 38) | -0.031875 |
| 0.75 (9/16/2024) | 0.516 (4/7/2022) | (0.75 - 0.516)/(47 - 38) | 0.026 |
| 0.451 (12/11/2024) | 0.516 (4/7/2022) | (0.451 - 0.516)/(48 - 38) | -0.0065 |
| 0.522 (2/18/2025) | 0.516 (4/7/2022) | (0.522 - 0.516)/(49 - 38) | 0.000545455 |
| | | | |
| 0.314 (11/16/2022) | 0.812 (8/2/2022) | (0.314 - 0.812)/(40 - 39) | -0.498 |
| 0.344 (2/14/2023) | 0.812 (8/2/2022) | (0.344 - 0.812)/(41 - 39) | -0.234 |
| 0.638 (5/25/2023) | 0.812 (8/2/2022) | (0.638 - 0.812)/(42 - 39) | -0.058 |
| 0.636 (8/7/2023) | 0.812 (8/2/2022) | (0.636 - 0.812)/(43 - 39) | -0.044 |
| 0.573 (12/12/2023) | 0.812 (8/2/2022) | (0.573 - 0.812)/(44 - 39) | -0.0478 |
| 0.576 (1/10/2024) | 0.812 (8/2/2022) | (0.576 - 0.812)/(45 - 39) | -0.0393333 |
| 0.261 (5/21/2024) | 0.812 (8/2/2022) | (0.261 - 0.812)/(46 - 39) | -0.0787143 |
| 0.75 (9/16/2024) | 0.812 (8/2/2022) | (0.75 - 0.812)/(47 - 39) | -0.00775 |
| 0.451 (12/11/2024) | 0.812 (8/2/2022) | (0.451 - 0.812)/(48 - 39) | -0.0401111 |
| 0.522 (2/18/2025) | 0.812 (8/2/2022) | (0.522 - 0.812)/(49 - 39) | -0.029 |
| | | | |
| 0.344 (2/14/2023) | 0.314 (11/16/2022) | (0.344 - 0.314)/(41 - 40) | 0.03 |
| 0.638 (5/25/2023) | 0.314 (11/16/2022) | (0.638 - 0.314)/(42 - 40) | 0.162 |
| 0.636 (8/7/2023) | 0.314 (11/16/2022) | (0.636 - 0.314)/(43 - 40) | 0.107333 |
| 0.573 (12/12/2023) | 0.314 (11/16/2022) | (0.573 - 0.314)/(44 - 40) | 0.06475 |
| 0.576 (1/10/2024) | 0.314 (11/16/2022) | (0.576 - 0.314)/(45 - 40) | 0.0524 |
| 0.261 (5/21/2024) | 0.314 (11/16/2022) | (0.261 - 0.314)/(46 - 40) | -0.00883333 |
| 0.75 (9/16/2024) | 0.314 (11/16/2022) | (0.75 - 0.314)/(47 - 40) | 0.0622857 |
| 0.451 (12/11/2024) | 0.314 (11/16/2022) | (0.451 - 0.314)/(48 - 40) | 0.017125 |
| 0.522 (2/18/2025) | 0.314 (11/16/2022) | (0.522 - 0.314)/(49 - 40) | 0.0231111 |
| | | | |
| 0.638 (5/25/2023) | 0.344 (2/14/2023) | (0.638 - 0.344)/(42 - 41) | 0.294 |
| 0.636 (8/7/2023) | 0.344 (2/14/2023) | (0.636 - 0.344)/(43 - 41) | 0.146 |
| 0.573 (12/12/2023) | 0.344 (2/14/2023) | (0.573 - 0.344)/(44 - 41) | 0.0763333 |
| 0.576 (1/10/2024) | 0.344 (2/14/2023) | (0.576 - 0.344)/(45 - 41) | 0.058 |
| 0.261 (5/21/2024) | 0.344 (2/14/2023) | (0.261 - 0.344)/(46 - 41) | -0.0166 |
| 0.75 (9/16/2024) | 0.344 (2/14/2023) | (0.75 - 0.344)/(47 - 41) | 0.0676667 |
| 0.451 (12/11/2024) | 0.344 (2/14/2023) | (0.451 - 0.344)/(48 - 41) | 0.0152857 |
| 0.522 (2/18/2025) | 0.344 (2/14/2023) | (0.522 - 0.344)/(49 - 41) | 0.02225 |

| | | | |
|---|---|---|---|
| 0.636 (8/7/2023) | 0.638 (5/25/2023) | (0.636 - 0.638)/(43 - 42) | -0.002 |
| 0.573 (12/12/2023) | 0.638 (5/25/2023) | (0.573 - 0.638)/(44 - 42) | -0.0325 |
| 0.576 (1/10/2024) | 0.638 (5/25/2023) | (0.576 - 0.638)/(45 - 42) | -0.0206667 |
| 0.261 (5/21/2024) | 0.638 (5/25/2023) | (0.261 - 0.638)/(46 - 42) | -0.09425 |
| 0.75 (9/16/2024) | 0.638 (5/25/2023) | (0.75 - 0.638)/(47 - 42) | 0.0224 |
| 0.451 (12/11/2024) | 0.638 (5/25/2023) | (0.451 - 0.638)/(48 - 42) | -0.0311667 |
| 0.522 (2/18/2025) | 0.638 (5/25/2023) | (0.522 - 0.638)/(49 - 42) | -0.0165714 |
| | | | |
| 0.573 (12/12/2023) | 0.636 (8/7/2023) | (0.573 - 0.636)/(44 - 43) | -0.063 |
| 0.576 (1/10/2024) | 0.636 (8/7/2023) | (0.576 - 0.636)/(45 - 43) | -0.03 |
| 0.261 (5/21/2024) | 0.636 (8/7/2023) | (0.261 - 0.636)/(46 - 43) | -0.125 |
| 0.75 (9/16/2024) | 0.636 (8/7/2023) | (0.75 - 0.636)/(47 - 43) | 0.0285 |
| 0.451 (12/11/2024) | 0.636 (8/7/2023) | (0.451 - 0.636)/(48 - 43) | -0.037 |
| 0.522 (2/18/2025) | 0.636 (8/7/2023) | (0.522 - 0.636)/(49 - 43) | -0.019 |
| | | | |
| 0.576 (1/10/2024) | 0.573 (12/12/2023) | (0.576 - 0.573)/(45 - 44) | 0.003 |
| 0.261 (5/21/2024) | 0.573 (12/12/2023) | (0.261 - 0.573)/(46 - 44) | -0.156 |
| 0.75 (9/16/2024) | 0.573 (12/12/2023) | (0.75 - 0.573)/(47 - 44) | 0.059 |
| 0.451 (12/11/2024) | 0.573 (12/12/2023) | (0.451 - 0.573)/(48 - 44) | -0.0305 |
| 0.522 (2/18/2025) | 0.573 (12/12/2023) | (0.522 - 0.573)/(49 - 44) | -0.0102 |
| | | | |
| 0.261 (5/21/2024) | 0.576 (1/10/2024) | (0.261 - 0.576)/(46 - 45) | -0.315 |
| 0.75 (9/16/2024) | 0.576 (1/10/2024) | (0.75 - 0.576)/(47 - 45) | 0.087 |
| 0.451 (12/11/2024) | 0.576 (1/10/2024) | (0.451 - 0.576)/(48 - 45) | -0.0416667 |
| 0.522 (2/18/2025) | 0.576 (1/10/2024) | (0.522 - 0.576)/(49 - 45) | -0.0135 |
| | | | |
| 0.75 (9/16/2024) | 0.261 (5/21/2024) | (0.75 - 0.261)/(47 - 46) | 0.489 |
| 0.451 (12/11/2024) | 0.261 (5/21/2024) | (0.451 - 0.261)/(48 - 46) | 0.095 |
| 0.522 (2/18/2025) | 0.261 (5/21/2024) | (0.522 - 0.261)/(49 - 46) | 0.087 |
| | | | |
| 0.451 (12/11/2024) | 0.75 (9/16/2024) | (0.451 - 0.75)/(48 - 47) | -0.299 |
| 0.522 (2/18/2025) | 0.75 (9/16/2024) | (0.522 - 0.75)/(49 - 47) | -0.114 |
| | | | |
| 0.522 (2/18/2025) | 0.451 (12/11/2024) | (0.522 - 0.451)/(49 - 48) | 0.071 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.784 |
| 2 | -0.63 |
| 3 | -0.498 |
| 4 | -0.46 |
| 5 | -0.36 |
| 6 | -0.328667 |
| 7 | -0.315 |
| 8 | -0.3 |
| 9 | -0.3 |
| 10 | -0.299 |
| 11 | -0.28 |
| 12 | -0.244 |
| 13 | -0.239 |
| 14 | -0.234 |
| 15 | -0.232 |
| 16 | -0.22 |

| | |
|---|---|
| 17 | -0.2125 |
| 18 | -0.205 |
| 19 | -0.19 |
| 20 | -0.181 |
| 21 | -0.17 |
| 22 | -0.165 |
| 23 | -0.163 |
| 24 | -0.156 |
| 25 | -0.148 |
| 26 | -0.145 |
| 27 | -0.14 |
| 28 | -0.14 |
| 29 | -0.136 |
| 30 | -0.135 |
| 31 | -0.1324 |
| 32 | -0.13 |
| 33 | -0.125 |
| 34 | -0.124 |
| 35 | -0.12 |
| 36 | -0.118571 |
| 37 | -0.116667 |
| 38 | -0.115444 |
| 39 | -0.114 |
| 40 | -0.110667 |
| 41 | -0.11 |
| 42 | -0.106667 |
| 43 | -0.103857 |
| 44 | -0.102 |
| 45 | -0.101333 |
| 46 | -0.101 |
| 47 | -0.1 |
| 48 | -0.1 |
| 49 | -0.09425 |
| 50 | -0.0905 |
| 51 | -0.09 |
| 52 | -0.08875 |
| 53 | -0.0871429 |
| 54 | -0.08625 |
| 55 | -0.084 |
| 56 | -0.08 |
| 57 | -0.08 |
| 58 | -0.0787143 |
| 59 | -0.078 |
| 60 | -0.0771818 |
| 61 | -0.077 |
| 62 | -0.0745455 |
| 63 | -0.0733333 |
| 64 | -0.0733333 |
| 65 | -0.0725 |
| 66 | -0.07 |
| 67 | -0.07 |
| 68 | -0.0695 |
| 69 | -0.0676923 |
| 70 | -0.0648333 |
| 71 | -0.0633333 |
| 72 | -0.063 |
| 73 | -0.0583333 |

| | |
|---|---|
| 74 | -0.058 |
| 75 | -0.0577778 |
| 76 | -0.0573333 |
| 77 | -0.0553333 |
| 78 | -0.055 |
| 79 | -0.055 |
| 80 | -0.0545 |
| 81 | -0.053 |
| 82 | -0.0525 |
| 83 | -0.0524 |
| 84 | -0.051 |
| 85 | -0.05075 |
| 86 | -0.050625 |
| 87 | -0.0495 |
| 88 | -0.0485 |
| 89 | -0.0478 |
| 90 | -0.047625 |
| 91 | -0.0473333 |
| 92 | -0.0466667 |
| 93 | -0.0456522 |
| 94 | -0.0452941 |
| 95 | -0.045 |
| 96 | -0.045 |
| 97 | -0.0445 |
| 98 | -0.044 |
| 99 | -0.0436667 |
| 100 | -0.0433333 |
| 101 | -0.0433333 |
| 102 | -0.0422222 |
| 103 | -0.0420909 |
| 104 | -0.042 |
| 105 | -0.0416667 |
| 106 | -0.0416667 |
| 107 | -0.0415 |
| 108 | -0.0401111 |
| 109 | -0.04 |
| 110 | -0.04 |
| 111 | -0.04 |
| 112 | -0.04 |
| 113 | -0.0396667 |
| 114 | -0.0393333 |
| 115 | -0.038125 |
| 116 | -0.038 |
| 117 | -0.0378571 |
| 118 | -0.0375 |
| 119 | -0.0373 |
| 120 | -0.0370476 |
| 121 | -0.037 |
| 122 | -0.037 |
| 123 | -0.0365789 |
| 124 | -0.0365714 |
| 125 | -0.036 |
| 126 | -0.036 |
| 127 | -0.0354286 |
| 128 | -0.035 |
| 129 | -0.0346538 |
| 130 | -0.0342857 |

| | |
|---|---|
| 131 | -0.034 |
| 132 | -0.034 |
| 133 | -0.0333333 |
| 134 | -0.0331429 |
| 135 | -0.033 |
| 136 | -0.033 |
| 137 | -0.0328571 |
| 138 | -0.0325 |
| 139 | -0.032 |
| 140 | -0.031875 |
| 141 | -0.0318182 |
| 142 | -0.0312 |
| 143 | -0.0311667 |
| 144 | -0.0309167 |
| 145 | -0.0309091 |
| 146 | -0.0305 |
| 147 | -0.030069 |
| 148 | -0.03 |
| 149 | -0.03 |
| 150 | -0.03 |
| 151 | -0.0294286 |
| 152 | -0.0290476 |
| 153 | -0.029 |
| 154 | -0.0286667 |
| 155 | -0.0285714 |
| 156 | -0.0283704 |
| 157 | -0.0283333 |
| 158 | -0.02825 |
| 159 | -0.0281429 |
| 160 | -0.0275 |
| 161 | -0.0273684 |
| 162 | -0.0271562 |
| 163 | -0.02676 |
| 164 | -0.0266486 |
| 165 | -0.0264286 |
| 166 | -0.0264167 |
| 167 | -0.02625 |
| 168 | -0.0262 |
| 169 | -0.0258333 |
| 170 | -0.0253571 |
| 171 | -0.0251579 |
| 172 | -0.025 |
| 173 | -0.025 |
| 174 | -0.025 |
| 175 | -0.0247059 |
| 176 | -0.0246 |
| 177 | -0.0243333 |
| 178 | -0.0243 |
| 179 | -0.0241628 |
| 180 | -0.024 |
| 181 | -0.0237692 |
| 182 | -0.0234 |
| 183 | -0.0233846 |
| 184 | -0.0233548 |
| 185 | -0.0228571 |
| 186 | -0.0228 |
| 187 | -0.0226667 |

| | |
|---|---|
| 188 | -0.0224 |
| 189 | -0.0220769 |
| 190 | -0.022 |
| 191 | -0.022 |
| 192 | -0.022 |
| 193 | -0.022 |
| 194 | -0.0212857 |
| 195 | -0.0208333 |
| 196 | -0.0206667 |
| 197 | -0.0206 |
| 198 | -0.0205556 |
| 199 | -0.02025 |
| 200 | -0.02 |
| 201 | -0.02 |
| 202 | -0.02 |
| 203 | -0.0198261 |
| 204 | -0.0196774 |
| 205 | -0.0194737 |
| 206 | -0.0194 |
| 207 | -0.0193333 |
| 208 | -0.0192083 |
| 209 | -0.0191667 |
| 210 | -0.0190909 |
| 211 | -0.0190909 |
| 212 | -0.0190909 |
| 213 | -0.019 |
| 214 | -0.019 |
| 215 | -0.0188667 |
| 216 | -0.0188333 |
| 217 | -0.01875 |
| 218 | -0.0184286 |
| 219 | -0.0181538 |
| 220 | -0.0177895 |
| 221 | -0.01775 |
| 222 | -0.0177317 |
| 223 | -0.0177 |
| 224 | -0.0175517 |
| 225 | -0.0175 |
| 226 | -0.0175 |
| 227 | -0.0172727 |
| 228 | -0.0172381 |
| 229 | -0.0171429 |
| 230 | -0.0170625 |
| 231 | -0.017 |
| 232 | -0.017 |
| 233 | -0.0169744 |
| 234 | -0.016913 |
| 235 | -0.0168571 |
| 236 | -0.0168 |
| 237 | -0.0167333 |
| 238 | -0.0166 |
| 239 | -0.0166 |
| 240 | -0.0165714 |
| 241 | -0.0161667 |
| 242 | -0.016 |
| 243 | -0.016 |
| 244 | -0.016 |

| | |
|---|---|
| 245 | -0.0156 |
| 246 | -0.0154545 |
| 247 | -0.0154167 |
| 248 | -0.015 |
| 249 | -0.015 |
| 250 | -0.015 |
| 251 | -0.0149231 |
| 252 | -0.0146098 |
| 253 | -0.0145556 |
| 254 | -0.0145 |
| 255 | -0.0144 |
| 256 | -0.0143333 |
| 257 | -0.0143333 |
| 258 | -0.0143 |
| 259 | -0.0142857 |
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| 959 | 0.016 |
| 960 | 0.0161 |
| 961 | 0.0161 |
| 962 | 0.016125 |
| 963 | 0.0161818 |
| 964 | 0.0162857 |
| 965 | 0.0162857 |
| 966 | 0.0164545 |
| 967 | 0.01675 |
| 968 | 0.0168 |
| 969 | 0.0169286 |
| 970 | 0.0170435 |
| 971 | 0.0170909 |
| 972 | 0.017125 |
| 973 | 0.0171579 |
| 974 | 0.0172 |
| 975 | 0.0175 |
| 976 | 0.0175455 |
| 977 | 0.0175833 |
| 978 | 0.0179444 |
| 979 | 0.0182143 |
| 980 | 0.0183846 |
| 981 | 0.0184762 |
| 982 | 0.018625 |
| 983 | 0.0188 |
| 984 | 0.0189091 |
| 985 | 0.0190909 |

| | |
|---|---|
| 986 | 0.0191429 |
| 987 | 0.0192308 |
| 988 | 0.0193333 |
| 989 | 0.0194286 |
| 990 | 0.0195 |
| 991 | 0.02 |
| 992 | 0.02 |
| 993 | 0.0201111 |
| 994 | 0.0204615 |
| 995 | 0.0207143 |
| 996 | 0.0208148 |
| 997 | 0.0209231 |
| 998 | 0.021 |
| 999 | 0.0213333 |
| 1000 | 0.0214667 |
| 1001 | 0.0216667 |
| 1002 | 0.022 |
| 1003 | 0.022 |
| 1004 | 0.0221667 |
| 1005 | 0.02225 |
| 1006 | 0.0224 |
| 1007 | 0.0224444 |
| 1008 | 0.0226667 |
| 1009 | 0.0227059 |
| 1010 | 0.023 |
| 1011 | 0.0231111 |
| 1012 | 0.0233333 |
| 1013 | 0.0234 |
| 1014 | 0.02375 |
| 1015 | 0.0238095 |
| 1016 | 0.0238125 |
| 1017 | 0.024 |
| 1018 | 0.02425 |
| 1019 | 0.0245 |
| 1020 | 0.025 |
| 1021 | 0.025 |
| 1022 | 0.0250769 |
| 1023 | 0.0252778 |
| 1024 | 0.0253333 |
| 1025 | 0.025625 |
| 1026 | 0.026 |
| 1027 | 0.0262 |
| 1028 | 0.0265 |
| 1029 | 0.0265385 |
| 1030 | 0.0265833 |
| 1031 | 0.0266667 |
| 1032 | 0.0266667 |
| 1033 | 0.02725 |
| 1034 | 0.0274 |
| 1035 | 0.0275 |
| 1036 | 0.0276364 |
| 1037 | 0.0283333 |
| 1038 | 0.0283333 |
| 1039 | 0.0285 |
| 1040 | 0.029 |
| 1041 | 0.0290323 |
| 1042 | 0.0295714 |

| | |
|---|---|
| 1043 | 0.0296667 |
| 1044 | 0.03 |
| 1045 | 0.03 |
| 1046 | 0.03 |
| 1047 | 0.03 |
| 1048 | 0.0305 |
| 1049 | 0.0307407 |
| 1050 | 0.0308333 |
| 1051 | 0.0308889 |
| 1052 | 0.031 |
| 1053 | 0.0312222 |
| 1054 | 0.0312857 |
| 1055 | 0.0315556 |
| 1056 | 0.032 |
| 1057 | 0.032 |
| 1058 | 0.0327586 |
| 1059 | 0.0336364 |
| 1060 | 0.03375 |
| 1061 | 0.0342857 |
| 1062 | 0.035 |
| 1063 | 0.035 |
| 1064 | 0.0354 |
| 1065 | 0.0355 |
| 1066 | 0.0356522 |
| 1067 | 0.0357143 |
| 1068 | 0.0361111 |
| 1069 | 0.0362222 |
| 1070 | 0.0366667 |
| 1071 | 0.0375 |
| 1072 | 0.0375 |
| 1073 | 0.038 |
| 1074 | 0.0381818 |
| 1075 | 0.0383333 |
| 1076 | 0.03875 |
| 1077 | 0.04 |
| 1078 | 0.04 |
| 1079 | 0.0403333 |
| 1080 | 0.040375 |
| 1081 | 0.04075 |
| 1082 | 0.0413 |
| 1083 | 0.0419048 |
| 1084 | 0.042 |
| 1085 | 0.042 |
| 1086 | 0.0425 |
| 1087 | 0.0425 |
| 1088 | 0.04275 |
| 1089 | 0.0428571 |
| 1090 | 0.043 |
| 1091 | 0.0432308 |
| 1092 | 0.0436842 |
| 1093 | 0.045 |
| 1094 | 0.0452941 |
| 1095 | 0.0454545 |
| 1096 | 0.0457143 |
| 1097 | 0.0463333 |
| 1098 | 0.0466667 |
| 1099 | 0.0466667 |

| | |
|---|---|
| 1100 | 0.0472 |
| 1101 | 0.0496667 |
| 1102 | 0.05 |
| 1103 | 0.0524 |
| 1104 | 0.0524 |
| 1105 | 0.0532857 |
| 1106 | 0.0544286 |
| 1107 | 0.0548571 |
| 1108 | 0.0551429 |
| 1109 | 0.0565 |
| 1110 | 0.058 |
| 1111 | 0.059 |
| 1112 | 0.0598462 |
| 1113 | 0.06 |
| 1114 | 0.0622857 |
| 1115 | 0.0646667 |
| 1116 | 0.06475 |
| 1117 | 0.065625 |
| 1118 | 0.067 |
| 1119 | 0.0676667 |
| 1120 | 0.07 |
| 1121 | 0.071 |
| 1122 | 0.071 |
| 1123 | 0.074 |
| 1124 | 0.0743333 |
| 1125 | 0.075 |
| 1126 | 0.0763333 |
| 1127 | 0.0771667 |
| 1128 | 0.0792 |
| 1129 | 0.08 |
| 1130 | 0.0856667 |
| 1131 | 0.0866667 |
| 1132 | 0.087 |
| 1133 | 0.087 |
| 1134 | 0.09 |
| 1135 | 0.0906667 |
| 1136 | 0.0933333 |
| 1137 | 0.095 |
| 1138 | 0.09525 |
| 1139 | 0.0954545 |
| 1140 | 0.0966667 |
| 1141 | 0.104 |
| 1142 | 0.107333 |
| 1143 | 0.109429 |
| 1144 | 0.11 |
| 1145 | 0.112625 |
| 1146 | 0.115 |
| 1147 | 0.1175 |
| 1148 | 0.1225 |
| 1149 | 0.123 |
| 1150 | 0.131333 |
| 1151 | 0.133 |
| 1152 | 0.135 |
| 1153 | 0.14 |
| 1154 | 0.142 |
| 1155 | 0.146 |
| 1156 | 0.152 |

| | |
|---|---|
| 1157 | 0.155 |
| 1158 | 0.162 |
| 1159 | 0.1744 |
| 1160 | 0.1825 |
| 1161 | 0.187333 |
| 1162 | 0.19 |
| 1163 | 0.1905 |
| 1164 | 0.2 |
| 1165 | 0.23 |
| 1166 | 0.241333 |
| 1167 | 0.258 |
| 1168 | 0.294 |
| 1169 | 0.296 |
| 1170 | 0.35 |
| 1171 | 0.355 |
| 1172 | 0.4345 |
| 1173 | 0.455 |
| 1174 | 0.489 |
| 1175 | 0.68 |
| 1176 | 1.05 |

Sen's Estimator (Median Q) is 0.00110556

| Tied Group | Value | Members |
|---|---|---|
| 1 | 1.3 | 2 |
| 2 | 0.46 | 2 |
| 3 | 0.47 | 2 |
| 4 | 0.25 | 4 |
| 5 | 0.522 | 2 |
| 6 | 0.576 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |

| | |
|---|---|
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 246
B = 0
C = 24
D = 0
E = 22
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13445
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.725
M1 = (1176 - 190.725)/2.0 = 492.638
M2 = (1176 + 190.725)/2.0 + 1 = 684.362
Lower limit is -0.002 = Q(493)
Upper limit is 0.00386667 = Q(684)
-0.002 < 0 < 0.00386667 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.69 (5/20/2013) | 0.69 (3/13/2013) | (0.69 - 0.69)/(2 - 1) | 0 |
| 0.53 (9/23/2013) | 0.69 (3/13/2013) | (0.53 - 0.69)/(3 - 1) | -0.08 |
| 0.62 (12/10/2013) | 0.69 (3/13/2013) | (0.62 - 0.69)/(4 - 1) | -0.0233333 |
| 0.69 (2/6/2014) | 0.69 (3/13/2013) | (0.69 - 0.69)/(5 - 1) | 0 |
| 0.53 (6/26/2014) | 0.69 (3/13/2013) | (0.53 - 0.69)/(6 - 1) | -0.032 |
| 0.66 (9/30/2014) | 0.69 (3/13/2013) | (0.66 - 0.69)/(7 - 1) | -0.005 |
| ND<0.25 U (11/19/2014) | 0.69 (3/13/2013) | (0.25 - 0.69)/(8 - 1) | -0.0628571 |
| 0.46 (3/23/2015) | 0.69 (3/13/2013) | (0.46 - 0.69)/(9 - 1) | -0.02875 |
| 0.45 (4/22/2015) | 0.69 (3/13/2013) | (0.45 - 0.69)/(10 - 1) | -0.0266667 |
| 0.42 (9/30/2015) | 0.69 (3/13/2013) | (0.42 - 0.69)/(11 - 1) | -0.027 |
| ND<0.25 U (11/19/2015) | 0.69 (3/13/2013) | (0.25 - 0.69)/(12 - 1) | -0.04 |
| ND<0.25 U (3/15/2016) | 0.69 (3/13/2013) | (0.25 - 0.69)/(13 - 1) | -0.0366667 |
| 0.37 (6/29/2016) | 0.69 (3/13/2013) | (0.37 - 0.69)/(14 - 1) | -0.0246154 |
| 0.56 (8/9/2016) | 0.69 (3/13/2013) | (0.56 - 0.69)/(15 - 1) | -0.00928571 |
| 1.78 (12/7/2016) | 0.69 (3/13/2013) | (1.78 - 0.69)/(16 - 1) | 0.0726667 |
| 0.73 (3/2/2017) | 0.69 (3/13/2013) | (0.73 - 0.69)/(17 - 1) | 0.0025 |
| 0.63 (7/5/2017) | 0.69 (3/13/2013) | (0.63 - 0.69)/(18 - 1) | -0.00352941 |
| 0.45 (8/16/2017) | 0.69 (3/13/2013) | (0.45 - 0.69)/(19 - 1) | -0.0133333 |
| 0.38 (10/25/2017) | 0.69 (3/13/2013) | (0.38 - 0.69)/(20 - 1) | -0.0163158 |
| ND<0.25 U (3/28/2018) | 0.69 (3/13/2013) | (0.25 - 0.69)/(21 - 1) | -0.022 |
| 0.8 (6/29/2018) | 0.69 (3/13/2013) | (0.8 - 0.69)/(22 - 1) | 0.0052381 |
| 0.981 (8/2/2018) | 0.69 (3/13/2013) | (0.981 - 0.69)/(23 - 1) | 0.0132273 |
| 0.433 (12/10/2018) | 0.69 (3/13/2013) | (0.433 - 0.69)/(24 - 1) | -0.0111739 |
| 0.271 (4/15/2019) | 0.69 (3/13/2013) | (0.271 - 0.69)/(25 - 1) | -0.0174583 |
| ND<0.25 U (6/12/2019) | 0.69 (3/13/2013) | (0.25 - 0.69)/(26 - 1) | -0.0176 |
| 0.389 (8/27/2019) | 0.69 (3/13/2013) | (0.389 - 0.69)/(27 - 1) | -0.0115769 |
| 0.39 (10/29/2019) | 0.69 (3/13/2013) | (0.39 - 0.69)/(28 - 1) | -0.0111111 |
| 0.657 (3/30/2020) | 0.69 (3/13/2013) | (0.657 - 0.69)/(29 - 1) | -0.00117857 |
| 0.466 (6/16/2020) | 0.69 (3/13/2013) | (0.466 - 0.69)/(30 - 1) | -0.00772414 |
| 0.66 (9/21/2020) | 0.69 (3/13/2013) | (0.66 - 0.69)/(31 - 1) | -0.001 |
| 1.24 (9/2/2021) | 0.69 (3/13/2013) | (1.24 - 0.69)/(32 - 1) | 0.0177419 |
| 0.52 (1/11/2022) | 0.69 (3/13/2013) | (0.52 - 0.69)/(33 - 1) | -0.0053125 |
| 0.406 (4/7/2022) | 0.69 (3/13/2013) | (0.406 - 0.69)/(34 - 1) | -0.00860606 |
| ND<0.25 U (8/2/2022) | 0.69 (3/13/2013) | (0.25 - 0.69)/(35 - 1) | -0.0129412 |
| 0.294 (11/16/2022) | 0.69 (3/13/2013) | (0.294 - 0.69)/(36 - 1) | -0.0113143 |
| 0.351 (2/14/2023) | 0.69 (3/13/2013) | (0.351 - 0.69)/(37 - 1) | -0.00941667 |
| 0.515 (5/25/2023) | 0.69 (3/13/2013) | (0.515 - 0.69)/(38 - 1) | -0.00472973 |
| 0.424 (8/7/2023) | 0.69 (3/13/2013) | (0.424 - 0.69)/(39 - 1) | -0.007 |
| 0.502 (12/12/2023) | 0.69 (3/13/2013) | (0.502 - 0.69)/(40 - 1) | -0.00482051 |
| 0.392 (1/10/2024) | 0.69 (3/13/2013) | (0.392 - 0.69)/(41 - 1) | -0.00745 |
| 0.545 (5/21/2024) | 0.69 (3/13/2013) | (0.545 - 0.69)/(42 - 1) | -0.00353659 |
| 0.784 (9/16/2024) | 0.69 (3/13/2013) | (0.784 - 0.69)/(43 - 1) | 0.0022381 |
| 0.411 (12/11/2024) | 0.69 (3/13/2013) | (0.411 - 0.69)/(44 - 1) | -0.00648837 |
| 0.453 (2/18/2025) | 0.69 (3/13/2013) | (0.453 - 0.69)/(45 - 1) | -0.00538636 |
| | | | |
| 0.53 (9/23/2013) | 0.69 (5/20/2013) | (0.53 - 0.69)/(3 - 2) | -0.16 |
| 0.62 (12/10/2013) | 0.69 (5/20/2013) | (0.62 - 0.69)/(4 - 2) | -0.035 |
| 0.69 (2/6/2014) | 0.69 (5/20/2013) | (0.69 - 0.69)/(5 - 2) | 0 |

| | | | |
|---|---|---|---|
| 0.53 (6/26/2014) | 0.69 (5/20/2013) | (0.53 - 0.69)/(6 - 2) | -0.04 |
| 0.66 (9/30/2014) | 0.69 (5/20/2013) | (0.66 - 0.69)/(7 - 2) | -0.006 |
| ND<0.25 U (11/19/2014) | 0.69 (5/20/2013) | (0.25 - 0.69)/(8 - 2) | -0.0733333 |
| 0.46 (3/23/2015) | 0.69 (5/20/2013) | (0.46 - 0.69)/(9 - 2) | -0.0328571 |
| 0.45 (4/22/2015) | 0.69 (5/20/2013) | (0.45 - 0.69)/(10 - 2) | -0.03 |
| 0.42 (9/30/2015) | 0.69 (5/20/2013) | (0.42 - 0.69)/(11 - 2) | -0.03 |
| ND<0.25 U (11/19/2015) | 0.69 (5/20/2013) | (0.25 - 0.69)/(12 - 2) | -0.044 |
| ND<0.25 U (3/15/2016) | 0.69 (5/20/2013) | (0.25 - 0.69)/(13 - 2) | -0.04 |
| 0.37 (6/29/2016) | 0.69 (5/20/2013) | (0.37 - 0.69)/(14 - 2) | -0.0266667 |
| 0.56 (8/9/2016) | 0.69 (5/20/2013) | (0.56 - 0.69)/(15 - 2) | -0.01 |
| 1.78 (12/7/2016) | 0.69 (5/20/2013) | (1.78 - 0.69)/(16 - 2) | 0.0778571 |
| 0.73 (3/2/2017) | 0.69 (5/20/2013) | (0.73 - 0.69)/(17 - 2) | 0.00266667 |
| 0.63 (7/5/2017) | 0.69 (5/20/2013) | (0.63 - 0.69)/(18 - 2) | -0.00375 |
| 0.45 (8/16/2017) | 0.69 (5/20/2013) | (0.45 - 0.69)/(19 - 2) | -0.0141176 |
| 0.38 (10/25/2017) | 0.69 (5/20/2013) | (0.38 - 0.69)/(20 - 2) | -0.0172222 |
| ND<0.25 U (3/28/2018) | 0.69 (5/20/2013) | (0.25 - 0.69)/(21 - 2) | -0.0231579 |
| 0.8 (6/29/2018) | 0.69 (5/20/2013) | (0.8 - 0.69)/(22 - 2) | 0.0055 |
| 0.981 (8/2/2018) | 0.69 (5/20/2013) | (0.981 - 0.69)/(23 - 2) | 0.0138571 |
| 0.433 (12/10/2018) | 0.69 (5/20/2013) | (0.433 - 0.69)/(24 - 2) | -0.0116818 |
| 0.271 (4/15/2019) | 0.69 (5/20/2013) | (0.271 - 0.69)/(25 - 2) | -0.0182174 |
| ND<0.25 U (6/12/2019) | 0.69 (5/20/2013) | (0.25 - 0.69)/(26 - 2) | -0.0183333 |
| 0.389 (8/27/2019) | 0.69 (5/20/2013) | (0.389 - 0.69)/(27 - 2) | -0.01204 |
| 0.39 (10/29/2019) | 0.69 (5/20/2013) | (0.39 - 0.69)/(28 - 2) | -0.0115385 |
| 0.657 (3/30/2020) | 0.69 (5/20/2013) | (0.657 - 0.69)/(29 - 2) | -0.00122222 |
| 0.466 (6/16/2020) | 0.69 (5/20/2013) | (0.466 - 0.69)/(30 - 2) | -0.008 |
| 0.66 (9/21/2020) | 0.69 (5/20/2013) | (0.66 - 0.69)/(31 - 2) | -0.00103448 |
| 1.24 (9/2/2021) | 0.69 (5/20/2013) | (1.24 - 0.69)/(32 - 2) | 0.0183333 |
| 0.52 (1/11/2022) | 0.69 (5/20/2013) | (0.52 - 0.69)/(33 - 2) | -0.00548387 |
| 0.406 (4/7/2022) | 0.69 (5/20/2013) | (0.406 - 0.69)/(34 - 2) | -0.008875 |
| ND<0.25 U (8/2/2022) | 0.69 (5/20/2013) | (0.25 - 0.69)/(35 - 2) | -0.0133333 |
| 0.294 (11/16/2022) | 0.69 (5/20/2013) | (0.294 - 0.69)/(36 - 2) | -0.0116471 |
| 0.351 (2/14/2023) | 0.69 (5/20/2013) | (0.351 - 0.69)/(37 - 2) | -0.00968571 |
| 0.515 (5/25/2023) | 0.69 (5/20/2013) | (0.515 - 0.69)/(38 - 2) | -0.00486111 |
| 0.424 (8/7/2023) | 0.69 (5/20/2013) | (0.424 - 0.69)/(39 - 2) | -0.00718919 |
| 0.502 (12/12/2023) | 0.69 (5/20/2013) | (0.502 - 0.69)/(40 - 2) | -0.00494737 |
| 0.392 (1/10/2024) | 0.69 (5/20/2013) | (0.392 - 0.69)/(41 - 2) | -0.00764103 |
| 0.545 (5/21/2024) | 0.69 (5/20/2013) | (0.545 - 0.69)/(42 - 2) | -0.003625 |
| 0.784 (9/16/2024) | 0.69 (5/20/2013) | (0.784 - 0.69)/(43 - 2) | 0.00229268 |
| 0.411 (12/11/2024) | 0.69 (5/20/2013) | (0.411 - 0.69)/(44 - 2) | -0.00664286 |
| 0.453 (2/18/2025) | 0.69 (5/20/2013) | (0.453 - 0.69)/(45 - 2) | -0.00551163 |

| | | | |
|---|---|---|---|
| 0.62 (12/10/2013) | 0.53 (9/23/2013) | (0.62 - 0.53)/(4 - 3) | 0.09 |
| 0.69 (2/6/2014) | 0.53 (9/23/2013) | (0.69 - 0.53)/(5 - 3) | 0.08 |
| 0.53 (6/26/2014) | 0.53 (9/23/2013) | (0.53 - 0.53)/(6 - 3) | 0 |
| 0.66 (9/30/2014) | 0.53 (9/23/2013) | (0.66 - 0.53)/(7 - 3) | 0.0325 |
| ND<0.25 U (11/19/2014) | 0.53 (9/23/2013) | (0.25 - 0.53)/(8 - 3) | -0.056 |
| 0.46 (3/23/2015) | 0.53 (9/23/2013) | (0.46 - 0.53)/(9 - 3) | -0.0116667 |
| 0.45 (4/22/2015) | 0.53 (9/23/2013) | (0.45 - 0.53)/(10 - 3) | -0.0114286 |
| 0.42 (9/30/2015) | 0.53 (9/23/2013) | (0.42 - 0.53)/(11 - 3) | -0.01375 |
| ND<0.25 U (11/19/2015) | 0.53 (9/23/2013) | (0.25 - 0.53)/(12 - 3) | -0.0311111 |
| ND<0.25 U (3/15/2016) | 0.53 (9/23/2013) | (0.25 - 0.53)/(13 - 3) | -0.028 |
| 0.37 (6/29/2016) | 0.53 (9/23/2013) | (0.37 - 0.53)/(14 - 3) | -0.0145455 |
| 0.56 (8/9/2016) | 0.53 (9/23/2013) | (0.56 - 0.53)/(15 - 3) | 0.0025 |
| 1.78 (12/7/2016) | 0.53 (9/23/2013) | (1.78 - 0.53)/(16 - 3) | 0.0961538 |
| 0.73 (3/2/2017) | 0.53 (9/23/2013) | (0.73 - 0.53)/(17 - 3) | 0.0142857 |
| 0.63 (7/5/2017) | 0.53 (9/23/2013) | (0.63 - 0.53)/(18 - 3) | 0.00666667 |
| 0.45 (8/16/2017) | 0.53 (9/23/2013) | (0.45 - 0.53)/(19 - 3) | -0.005 |

| | | | |
|---|---|---|---|
| 0.38 (10/25/2017) | 0.53 (9/23/2013) | (0.38 - 0.53)/(20 - 3) | -0.00882353 |
| ND<0.25 U (3/28/2018) | 0.53 (9/23/2013) | (0.25 - 0.53)/(21 - 3) | -0.0155556 |
| 0.8 (6/29/2018) | 0.53 (9/23/2013) | (0.8 - 0.53)/(22 - 3) | 0.0142105 |
| 0.981 (8/2/2018) | 0.53 (9/23/2013) | (0.981 - 0.53)/(23 - 3) | 0.02255 |
| 0.433 (12/10/2018) | 0.53 (9/23/2013) | (0.433 - 0.53)/(24 - 3) | -0.00461905 |
| 0.271 (4/15/2019) | 0.53 (9/23/2013) | (0.271 - 0.53)/(25 - 3) | -0.0117727 |
| ND<0.25 U (6/12/2019) | 0.53 (9/23/2013) | (0.25 - 0.53)/(26 - 3) | -0.0121739 |
| 0.389 (8/27/2019) | 0.53 (9/23/2013) | (0.389 - 0.53)/(27 - 3) | -0.005875 |
| 0.39 (10/29/2019) | 0.53 (9/23/2013) | (0.39 - 0.53)/(28 - 3) | -0.0056 |
| 0.657 (3/30/2020) | 0.53 (9/23/2013) | (0.657 - 0.53)/(29 - 3) | 0.00488462 |
| 0.466 (6/16/2020) | 0.53 (9/23/2013) | (0.466 - 0.53)/(30 - 3) | -0.00237037 |
| 0.66 (9/21/2020) | 0.53 (9/23/2013) | (0.66 - 0.53)/(31 - 3) | 0.00464286 |
| 1.24 (9/2/2021) | 0.53 (9/23/2013) | (1.24 - 0.53)/(32 - 3) | 0.0244828 |
| 0.52 (1/11/2022) | 0.53 (9/23/2013) | (0.52 - 0.53)/(33 - 3) | -0.000333333 |
| 0.406 (4/7/2022) | 0.53 (9/23/2013) | (0.406 - 0.53)/(34 - 3) | -0.004 |
| ND<0.25 U (8/2/2022) | 0.53 (9/23/2013) | (0.25 - 0.53)/(35 - 3) | -0.00875 |
| 0.294 (11/16/2022) | 0.53 (9/23/2013) | (0.294 - 0.53)/(36 - 3) | -0.00715152 |
| 0.351 (2/14/2023) | 0.53 (9/23/2013) | (0.351 - 0.53)/(37 - 3) | -0.00526471 |
| 0.515 (5/25/2023) | 0.53 (9/23/2013) | (0.515 - 0.53)/(38 - 3) | -0.000428571 |
| 0.424 (8/7/2023) | 0.53 (9/23/2013) | (0.424 - 0.53)/(39 - 3) | -0.00294444 |
| 0.502 (12/12/2023) | 0.53 (9/23/2013) | (0.502 - 0.53)/(40 - 3) | -0.000756757 |
| 0.392 (1/10/2024) | 0.53 (9/23/2013) | (0.392 - 0.53)/(41 - 3) | -0.00363158 |
| 0.545 (5/21/2024) | 0.53 (9/23/2013) | (0.545 - 0.53)/(42 - 3) | 0.000384615 |
| 0.784 (9/16/2024) | 0.53 (9/23/2013) | (0.784 - 0.53)/(43 - 3) | 0.00635 |
| 0.411 (12/11/2024) | 0.53 (9/23/2013) | (0.411 - 0.53)/(44 - 3) | -0.00290244 |
| 0.453 (2/18/2025) | 0.53 (9/23/2013) | (0.453 - 0.53)/(45 - 3) | -0.00183333 |
| | | | |
| 0.69 (2/6/2014) | 0.62 (12/10/2013) | (0.69 - 0.62)/(5 - 4) | 0.07 |
| 0.53 (6/26/2014) | 0.62 (12/10/2013) | (0.53 - 0.62)/(6 - 4) | -0.045 |
| 0.66 (9/30/2014) | 0.62 (12/10/2013) | (0.66 - 0.62)/(7 - 4) | 0.0133333 |
| ND<0.25 U (11/19/2014) | 0.62 (12/10/2013) | (0.25 - 0.62)/(8 - 4) | -0.0925 |
| 0.46 (3/23/2015) | 0.62 (12/10/2013) | (0.46 - 0.62)/(9 - 4) | -0.032 |
| 0.45 (4/22/2015) | 0.62 (12/10/2013) | (0.45 - 0.62)/(10 - 4) | -0.0283333 |
| 0.42 (9/30/2015) | 0.62 (12/10/2013) | (0.42 - 0.62)/(11 - 4) | -0.0285714 |
| ND<0.25 U (11/19/2015) | 0.62 (12/10/2013) | (0.25 - 0.62)/(12 - 4) | -0.04625 |
| ND<0.25 U (3/15/2016) | 0.62 (12/10/2013) | (0.25 - 0.62)/(13 - 4) | -0.0411111 |
| 0.37 (6/29/2016) | 0.62 (12/10/2013) | (0.37 - 0.62)/(14 - 4) | -0.025 |
| 0.56 (8/9/2016) | 0.62 (12/10/2013) | (0.56 - 0.62)/(15 - 4) | -0.00545455 |
| 1.78 (12/7/2016) | 0.62 (12/10/2013) | (1.78 - 0.62)/(16 - 4) | 0.0966667 |
| 0.73 (3/2/2017) | 0.62 (12/10/2013) | (0.73 - 0.62)/(17 - 4) | 0.00846154 |
| 0.63 (7/5/2017) | 0.62 (12/10/2013) | (0.63 - 0.62)/(18 - 4) | 0.000714286 |
| 0.45 (8/16/2017) | 0.62 (12/10/2013) | (0.45 - 0.62)/(19 - 4) | -0.0113333 |
| 0.38 (10/25/2017) | 0.62 (12/10/2013) | (0.38 - 0.62)/(20 - 4) | -0.015 |
| ND<0.25 U (3/28/2018) | 0.62 (12/10/2013) | (0.25 - 0.62)/(21 - 4) | -0.0217647 |
| 0.8 (6/29/2018) | 0.62 (12/10/2013) | (0.8 - 0.62)/(22 - 4) | 0.01 |
| 0.981 (8/2/2018) | 0.62 (12/10/2013) | (0.981 - 0.62)/(23 - 4) | 0.019 |
| 0.433 (12/10/2018) | 0.62 (12/10/2013) | (0.433 - 0.62)/(24 - 4) | -0.00935 |
| 0.271 (4/15/2019) | 0.62 (12/10/2013) | (0.271 - 0.62)/(25 - 4) | -0.016619 |
| ND<0.25 U (6/12/2019) | 0.62 (12/10/2013) | (0.25 - 0.62)/(26 - 4) | -0.0168182 |
| 0.389 (8/27/2019) | 0.62 (12/10/2013) | (0.389 - 0.62)/(27 - 4) | -0.0100435 |
| 0.39 (10/29/2019) | 0.62 (12/10/2013) | (0.39 - 0.62)/(28 - 4) | -0.00958333 |
| 0.657 (3/30/2020) | 0.62 (12/10/2013) | (0.657 - 0.62)/(29 - 4) | 0.00148 |
| 0.466 (6/16/2020) | 0.62 (12/10/2013) | (0.466 - 0.62)/(30 - 4) | -0.00592308 |
| 0.66 (9/21/2020) | 0.62 (12/10/2013) | (0.66 - 0.62)/(31 - 4) | 0.00148148 |
| 1.24 (9/2/2021) | 0.62 (12/10/2013) | (1.24 - 0.62)/(32 - 4) | 0.0221429 |
| 0.52 (1/11/2022) | 0.62 (12/10/2013) | (0.52 - 0.62)/(33 - 4) | -0.00344828 |
| 0.406 (4/7/2022) | 0.62 (12/10/2013) | (0.406 - 0.62)/(34 - 4) | -0.00713333 |

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|---|---|---|---|
| ND<0.25 U (8/2/2022) | 0.62 (12/10/2013) | (0.25 - 0.62)/(35 - 4) | -0.0119355 |
| 0.294 (11/16/2022) | 0.62 (12/10/2013) | (0.294 - 0.62)/(36 - 4) | -0.0101875 |
| 0.351 (2/14/2023) | 0.62 (12/10/2013) | (0.351 - 0.62)/(37 - 4) | -0.00815152 |
| 0.515 (5/25/2023) | 0.62 (12/10/2013) | (0.515 - 0.62)/(38 - 4) | -0.00308824 |
| 0.424 (8/7/2023) | 0.62 (12/10/2013) | (0.424 - 0.62)/(39 - 4) | -0.0056 |
| 0.502 (12/12/2023) | 0.62 (12/10/2013) | (0.502 - 0.62)/(40 - 4) | -0.00327778 |
| 0.392 (1/10/2024) | 0.62 (12/10/2013) | (0.392 - 0.62)/(41 - 4) | -0.00616216 |
| 0.545 (5/21/2024) | 0.62 (12/10/2013) | (0.545 - 0.62)/(42 - 4) | -0.00197368 |
| 0.784 (9/16/2024) | 0.62 (12/10/2013) | (0.784 - 0.62)/(43 - 4) | 0.00420513 |
| 0.411 (12/11/2024) | 0.62 (12/10/2013) | (0.411 - 0.62)/(44 - 4) | -0.005225 |
| 0.453 (2/18/2025) | 0.62 (12/10/2013) | (0.453 - 0.62)/(45 - 4) | -0.00407317 |
| | | | |
| 0.53 (6/26/2014) | 0.69 (2/6/2014) | (0.53 - 0.69)/(6 - 5) | -0.16 |
| 0.66 (9/30/2014) | 0.69 (2/6/2014) | (0.66 - 0.69)/(7 - 5) | -0.015 |
| ND<0.25 U (11/19/2014) | 0.69 (2/6/2014) | (0.25 - 0.69)/(8 - 5) | -0.146667 |
| 0.46 (3/23/2015) | 0.69 (2/6/2014) | (0.46 - 0.69)/(9 - 5) | -0.0575 |
| 0.45 (4/22/2015) | 0.69 (2/6/2014) | (0.45 - 0.69)/(10 - 5) | -0.048 |
| 0.42 (9/30/2015) | 0.69 (2/6/2014) | (0.42 - 0.69)/(11 - 5) | -0.045 |
| ND<0.25 U (11/19/2015) | 0.69 (2/6/2014) | (0.25 - 0.69)/(12 - 5) | -0.0628571 |
| ND<0.25 U (3/15/2016) | 0.69 (2/6/2014) | (0.25 - 0.69)/(13 - 5) | -0.055 |
| 0.37 (6/29/2016) | 0.69 (2/6/2014) | (0.37 - 0.69)/(14 - 5) | -0.0355556 |
| 0.56 (8/9/2016) | 0.69 (2/6/2014) | (0.56 - 0.69)/(15 - 5) | -0.013 |
| 1.78 (12/7/2016) | 0.69 (2/6/2014) | (1.78 - 0.69)/(16 - 5) | 0.0990909 |
| 0.73 (3/2/2017) | 0.69 (2/6/2014) | (0.73 - 0.69)/(17 - 5) | 0.00333333 |
| 0.63 (7/5/2017) | 0.69 (2/6/2014) | (0.63 - 0.69)/(18 - 5) | -0.00461538 |
| 0.45 (8/16/2017) | 0.69 (2/6/2014) | (0.45 - 0.69)/(19 - 5) | -0.0171429 |
| 0.38 (10/25/2017) | 0.69 (2/6/2014) | (0.38 - 0.69)/(20 - 5) | -0.0206667 |
| ND<0.25 U (3/28/2018) | 0.69 (2/6/2014) | (0.25 - 0.69)/(21 - 5) | -0.0275 |
| 0.8 (6/29/2018) | 0.69 (2/6/2014) | (0.8 - 0.69)/(22 - 5) | 0.00647059 |
| 0.981 (8/2/2018) | 0.69 (2/6/2014) | (0.981 - 0.69)/(23 - 5) | 0.0161667 |
| 0.433 (12/10/2018) | 0.69 (2/6/2014) | (0.433 - 0.69)/(24 - 5) | -0.0135263 |
| 0.271 (4/15/2019) | 0.69 (2/6/2014) | (0.271 - 0.69)/(25 - 5) | -0.02095 |
| ND<0.25 U (6/12/2019) | 0.69 (2/6/2014) | (0.25 - 0.69)/(26 - 5) | -0.0209524 |
| 0.389 (8/27/2019) | 0.69 (2/6/2014) | (0.389 - 0.69)/(27 - 5) | -0.0136818 |
| 0.39 (10/29/2019) | 0.69 (2/6/2014) | (0.39 - 0.69)/(28 - 5) | -0.0130435 |
| 0.657 (3/30/2020) | 0.69 (2/6/2014) | (0.657 - 0.69)/(29 - 5) | -0.001375 |
| 0.466 (6/16/2020) | 0.69 (2/6/2014) | (0.466 - 0.69)/(30 - 5) | -0.00896 |
| 0.66 (9/21/2020) | 0.69 (2/6/2014) | (0.66 - 0.69)/(31 - 5) | -0.00115385 |
| 1.24 (9/2/2021) | 0.69 (2/6/2014) | (1.24 - 0.69)/(32 - 5) | 0.0203704 |
| 0.52 (1/11/2022) | 0.69 (2/6/2014) | (0.52 - 0.69)/(33 - 5) | -0.00607143 |
| 0.406 (4/7/2022) | 0.69 (2/6/2014) | (0.406 - 0.69)/(34 - 5) | -0.0097931 |
| ND<0.25 U (8/2/2022) | 0.69 (2/6/2014) | (0.25 - 0.69)/(35 - 5) | -0.0146667 |
| 0.294 (11/16/2022) | 0.69 (2/6/2014) | (0.294 - 0.69)/(36 - 5) | -0.0127742 |
| 0.351 (2/14/2023) | 0.69 (2/6/2014) | (0.351 - 0.69)/(37 - 5) | -0.0105937 |
| 0.515 (5/25/2023) | 0.69 (2/6/2014) | (0.515 - 0.69)/(38 - 5) | -0.00530303 |
| 0.424 (8/7/2023) | 0.69 (2/6/2014) | (0.424 - 0.69)/(39 - 5) | -0.00782353 |
| 0.502 (12/12/2023) | 0.69 (2/6/2014) | (0.502 - 0.69)/(40 - 5) | -0.00537143 |
| 0.392 (1/10/2024) | 0.69 (2/6/2014) | (0.392 - 0.69)/(41 - 5) | -0.00827778 |
| 0.545 (5/21/2024) | 0.69 (2/6/2014) | (0.545 - 0.69)/(42 - 5) | -0.00391892 |
| 0.784 (9/16/2024) | 0.69 (2/6/2014) | (0.784 - 0.69)/(43 - 5) | 0.00247368 |
| 0.411 (12/11/2024) | 0.69 (2/6/2014) | (0.411 - 0.69)/(44 - 5) | -0.00715385 |
| 0.453 (2/18/2025) | 0.69 (2/6/2014) | (0.453 - 0.69)/(45 - 5) | -0.005925 |
| | | | |
| 0.66 (9/30/2014) | 0.53 (6/26/2014) | (0.66 - 0.53)/(7 - 6) | 0.13 |
| ND<0.25 U (11/19/2014) | 0.53 (6/26/2014) | (0.25 - 0.53)/(8 - 6) | -0.14 |
| 0.46 (3/23/2015) | 0.53 (6/26/2014) | (0.46 - 0.53)/(9 - 6) | -0.0233333 |
| 0.45 (4/22/2015) | 0.53 (6/26/2014) | (0.45 - 0.53)/(10 - 6) | -0.02 |

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|---|---|---|---|
| 0.42 (9/30/2015) | 0.53 (6/26/2014) | (0.42 - 0.53)/(11 - 6) | -0.022 |
| ND<0.25 U (11/19/2015) | 0.53 (6/26/2014) | (0.25 - 0.53)/(12 - 6) | -0.0466667 |
| ND<0.25 U (3/15/2016) | 0.53 (6/26/2014) | (0.25 - 0.53)/(13 - 6) | -0.04 |
| 0.37 (6/29/2016) | 0.53 (6/26/2014) | (0.37 - 0.53)/(14 - 6) | -0.02 |
| 0.56 (8/9/2016) | 0.53 (6/26/2014) | (0.56 - 0.53)/(15 - 6) | 0.00333333 |
| 1.78 (12/7/2016) | 0.53 (6/26/2014) | (1.78 - 0.53)/(16 - 6) | 0.125 |
| 0.73 (3/2/2017) | 0.53 (6/26/2014) | (0.73 - 0.53)/(17 - 6) | 0.0181818 |
| 0.63 (7/5/2017) | 0.53 (6/26/2014) | (0.63 - 0.53)/(18 - 6) | 0.00833333 |
| 0.45 (8/16/2017) | 0.53 (6/26/2014) | (0.45 - 0.53)/(19 - 6) | -0.00615385 |
| 0.38 (10/25/2017) | 0.53 (6/26/2014) | (0.38 - 0.53)/(20 - 6) | -0.0107143 |
| ND<0.25 U (3/28/2018) | 0.53 (6/26/2014) | (0.25 - 0.53)/(21 - 6) | -0.0186667 |
| 0.8 (6/29/2018) | 0.53 (6/26/2014) | (0.8 - 0.53)/(22 - 6) | 0.016875 |
| 0.981 (8/2/2018) | 0.53 (6/26/2014) | (0.981 - 0.53)/(23 - 6) | 0.0265294 |
| 0.433 (12/10/2018) | 0.53 (6/26/2014) | (0.433 - 0.53)/(24 - 6) | -0.00538889 |
| 0.271 (4/15/2019) | 0.53 (6/26/2014) | (0.271 - 0.53)/(25 - 6) | -0.0136316 |
| ND<0.25 U (6/12/2019) | 0.53 (6/26/2014) | (0.25 - 0.53)/(26 - 6) | -0.014 |
| 0.389 (8/27/2019) | 0.53 (6/26/2014) | (0.389 - 0.53)/(27 - 6) | -0.00671429 |
| 0.39 (10/29/2019) | 0.53 (6/26/2014) | (0.39 - 0.53)/(28 - 6) | -0.00636364 |
| 0.657 (3/30/2020) | 0.53 (6/26/2014) | (0.657 - 0.53)/(29 - 6) | 0.00552174 |
| 0.466 (6/16/2020) | 0.53 (6/26/2014) | (0.466 - 0.53)/(30 - 6) | -0.00266667 |
| 0.66 (9/21/2020) | 0.53 (6/26/2014) | (0.66 - 0.53)/(31 - 6) | 0.0052 |
| 1.24 (9/2/2021) | 0.53 (6/26/2014) | (1.24 - 0.53)/(32 - 6) | 0.0273077 |
| 0.52 (1/11/2022) | 0.53 (6/26/2014) | (0.52 - 0.53)/(33 - 6) | -0.00037037 |
| 0.406 (4/7/2022) | 0.53 (6/26/2014) | (0.406 - 0.53)/(34 - 6) | -0.00442857 |
| ND<0.25 U (8/2/2022) | 0.53 (6/26/2014) | (0.25 - 0.53)/(35 - 6) | -0.00965517 |
| 0.294 (11/16/2022) | 0.53 (6/26/2014) | (0.294 - 0.53)/(36 - 6) | -0.00786667 |
| 0.351 (2/14/2023) | 0.53 (6/26/2014) | (0.351 - 0.53)/(37 - 6) | -0.00577419 |
| 0.515 (5/25/2023) | 0.53 (6/26/2014) | (0.515 - 0.53)/(38 - 6) | -0.00046875 |
| 0.424 (8/7/2023) | 0.53 (6/26/2014) | (0.424 - 0.53)/(39 - 6) | -0.00321212 |
| 0.502 (12/12/2023) | 0.53 (6/26/2014) | (0.502 - 0.53)/(40 - 6) | -0.000823529 |
| 0.392 (1/10/2024) | 0.53 (6/26/2014) | (0.392 - 0.53)/(41 - 6) | -0.00394286 |
| 0.545 (5/21/2024) | 0.53 (6/26/2014) | (0.545 - 0.53)/(42 - 6) | 0.000416667 |
| 0.784 (9/16/2024) | 0.53 (6/26/2014) | (0.784 - 0.53)/(43 - 6) | 0.00686486 |
| 0.411 (12/11/2024) | 0.53 (6/26/2014) | (0.411 - 0.53)/(44 - 6) | -0.00313158 |
| 0.453 (2/18/2025) | 0.53 (6/26/2014) | (0.453 - 0.53)/(45 - 6) | -0.00197436 |
| | | | |
| ND<0.25 U (11/19/2014) | 0.66 (9/30/2014) | (0.25 - 0.66)/(8 - 7) | -0.41 |
| 0.46 (3/23/2015) | 0.66 (9/30/2014) | (0.46 - 0.66)/(9 - 7) | -0.1 |
| 0.45 (4/22/2015) | 0.66 (9/30/2014) | (0.45 - 0.66)/(10 - 7) | -0.07 |
| 0.42 (9/30/2015) | 0.66 (9/30/2014) | (0.42 - 0.66)/(11 - 7) | -0.06 |
| ND<0.25 U (11/19/2015) | 0.66 (9/30/2014) | (0.25 - 0.66)/(12 - 7) | -0.082 |
| ND<0.25 U (3/15/2016) | 0.66 (9/30/2014) | (0.25 - 0.66)/(13 - 7) | -0.0683333 |
| 0.37 (6/29/2016) | 0.66 (9/30/2014) | (0.37 - 0.66)/(14 - 7) | -0.0414286 |
| 0.56 (8/9/2016) | 0.66 (9/30/2014) | (0.56 - 0.66)/(15 - 7) | -0.0125 |
| 1.78 (12/7/2016) | 0.66 (9/30/2014) | (1.78 - 0.66)/(16 - 7) | 0.124444 |
| 0.73 (3/2/2017) | 0.66 (9/30/2014) | (0.73 - 0.66)/(17 - 7) | 0.007 |
| 0.63 (7/5/2017) | 0.66 (9/30/2014) | (0.63 - 0.66)/(18 - 7) | -0.00272727 |
| 0.45 (8/16/2017) | 0.66 (9/30/2014) | (0.45 - 0.66)/(19 - 7) | -0.0175 |
| 0.38 (10/25/2017) | 0.66 (9/30/2014) | (0.38 - 0.66)/(20 - 7) | -0.0215385 |
| ND<0.25 U (3/28/2018) | 0.66 (9/30/2014) | (0.25 - 0.66)/(21 - 7) | -0.0292857 |
| 0.8 (6/29/2018) | 0.66 (9/30/2014) | (0.8 - 0.66)/(22 - 7) | 0.00933333 |
| 0.981 (8/2/2018) | 0.66 (9/30/2014) | (0.981 - 0.66)/(23 - 7) | 0.0200625 |
| 0.433 (12/10/2018) | 0.66 (9/30/2014) | (0.433 - 0.66)/(24 - 7) | -0.0133529 |
| 0.271 (4/15/2019) | 0.66 (9/30/2014) | (0.271 - 0.66)/(25 - 7) | -0.0216111 |
| ND<0.25 U (6/12/2019) | 0.66 (9/30/2014) | (0.25 - 0.66)/(26 - 7) | -0.0215789 |
| 0.389 (8/27/2019) | 0.66 (9/30/2014) | (0.389 - 0.66)/(27 - 7) | -0.01355 |
| 0.39 (10/29/2019) | 0.66 (9/30/2014) | (0.39 - 0.66)/(28 - 7) | -0.0128571 |

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|---|---|---|---|
| 0.657 (3/30/2020) | 0.66 (9/30/2014) | (0.657 - 0.66)/(29 - 7) | -0.000136364 |
| 0.466 (6/16/2020) | 0.66 (9/30/2014) | (0.466 - 0.66)/(30 - 7) | -0.00843478 |
| 0.66 (9/21/2020) | 0.66 (9/30/2014) | (0.66 - 0.66)/(31 - 7) | 0 |
| 1.24 (9/2/2021) | 0.66 (9/30/2014) | (1.24 - 0.66)/(32 - 7) | 0.0232 |
| 0.52 (1/11/2022) | 0.66 (9/30/2014) | (0.52 - 0.66)/(33 - 7) | -0.00538462 |
| 0.406 (4/7/2022) | 0.66 (9/30/2014) | (0.406 - 0.66)/(34 - 7) | -0.00940741 |
| ND<0.25 U (8/2/2022) | 0.66 (9/30/2014) | (0.25 - 0.66)/(35 - 7) | -0.0146429 |
| 0.294 (11/16/2022) | 0.66 (9/30/2014) | (0.294 - 0.66)/(36 - 7) | -0.0126207 |
| 0.351 (2/14/2023) | 0.66 (9/30/2014) | (0.351 - 0.66)/(37 - 7) | -0.0103 |
| 0.515 (5/25/2023) | 0.66 (9/30/2014) | (0.515 - 0.66)/(38 - 7) | -0.00467742 |
| 0.424 (8/7/2023) | 0.66 (9/30/2014) | (0.424 - 0.66)/(39 - 7) | -0.007375 |
| 0.502 (12/12/2023) | 0.66 (9/30/2014) | (0.502 - 0.66)/(40 - 7) | -0.00478788 |
| 0.392 (1/10/2024) | 0.66 (9/30/2014) | (0.392 - 0.66)/(41 - 7) | -0.00788235 |
| 0.545 (5/21/2024) | 0.66 (9/30/2014) | (0.545 - 0.66)/(42 - 7) | -0.00328571 |
| 0.784 (9/16/2024) | 0.66 (9/30/2014) | (0.784 - 0.66)/(43 - 7) | 0.00344444 |
| 0.411 (12/11/2024) | 0.66 (9/30/2014) | (0.411 - 0.66)/(44 - 7) | -0.00672973 |
| 0.453 (2/18/2025) | 0.66 (9/30/2014) | (0.453 - 0.66)/(45 - 7) | -0.00544737 |
| | | | |
| 0.46 (3/23/2015) | ND<0.25 U (11/19/2014) | (0.46 - 0.25)/(9 - 8) | 0.21 |
| 0.45 (4/22/2015) | ND<0.25 U (11/19/2014) | (0.45 - 0.25)/(10 - 8) | 0.1 |
| 0.42 (9/30/2015) | ND<0.25 U (11/19/2014) | (0.42 - 0.25)/(11 - 8) | 0.0566667 |
| ND<0.25 U (11/19/2015) | ND<0.25 U (11/19/2014) | (0.25 - 0.25)/(12 - 8) | 0 |
| ND<0.25 U (3/15/2016) | ND<0.25 U (11/19/2014) | (0.25 - 0.25)/(13 - 8) | 0 |
| 0.37 (6/29/2016) | ND<0.25 U (11/19/2014) | (0.37 - 0.25)/(14 - 8) | 0.02 |
| 0.56 (8/9/2016) | ND<0.25 U (11/19/2014) | (0.56 - 0.25)/(15 - 8) | 0.0442857 |
| 1.78 (12/7/2016) | ND<0.25 U (11/19/2014) | (1.78 - 0.25)/(16 - 8) | 0.19125 |
| 0.73 (3/2/2017) | ND<0.25 U (11/19/2014) | (0.73 - 0.25)/(17 - 8) | 0.0533333 |
| 0.63 (7/5/2017) | ND<0.25 U (11/19/2014) | (0.63 - 0.25)/(18 - 8) | 0.038 |
| 0.45 (8/16/2017) | ND<0.25 U (11/19/2014) | (0.45 - 0.25)/(19 - 8) | 0.0181818 |
| 0.38 (10/25/2017) | ND<0.25 U (11/19/2014) | (0.38 - 0.25)/(20 - 8) | 0.0108333 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (11/19/2014) | (0.25 - 0.25)/(21 - 8) | 0 |
| 0.8 (6/29/2018) | ND<0.25 U (11/19/2014) | (0.8 - 0.25)/(22 - 8) | 0.0392857 |
| 0.981 (8/2/2018) | ND<0.25 U (11/19/2014) | (0.981 - 0.25)/(23 - 8) | 0.0487333 |
| 0.433 (12/10/2018) | ND<0.25 U (11/19/2014) | (0.433 - 0.25)/(24 - 8) | 0.0114375 |
| 0.271 (4/15/2019) | ND<0.25 U (11/19/2014) | (0.271 - 0.25)/(25 - 8) | 0.00123529 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (11/19/2014) | (0.25 - 0.25)/(26 - 8) | 0 |
| 0.389 (8/27/2019) | ND<0.25 U (11/19/2014) | (0.389 - 0.25)/(27 - 8) | 0.00731579 |
| 0.39 (10/29/2019) | ND<0.25 U (11/19/2014) | (0.39 - 0.25)/(28 - 8) | 0.007 |
| 0.657 (3/30/2020) | ND<0.25 U (11/19/2014) | (0.657 - 0.25)/(29 - 8) | 0.019381 |
| 0.466 (6/16/2020) | ND<0.25 U (11/19/2014) | (0.466 - 0.25)/(30 - 8) | 0.00981818 |
| 0.66 (9/21/2020) | ND<0.25 U (11/19/2014) | (0.66 - 0.25)/(31 - 8) | 0.0178261 |
| 1.24 (9/2/2021) | ND<0.25 U (11/19/2014) | (1.24 - 0.25)/(32 - 8) | 0.04125 |
| 0.52 (1/11/2022) | ND<0.25 U (11/19/2014) | (0.52 - 0.25)/(33 - 8) | 0.0108 |
| 0.406 (4/7/2022) | ND<0.25 U (11/19/2014) | (0.406 - 0.25)/(34 - 8) | 0.006 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (11/19/2014) | (0.25 - 0.25)/(35 - 8) | 0 |
| 0.294 (11/16/2022) | ND<0.25 U (11/19/2014) | (0.294 - 0.25)/(36 - 8) | 0.00157143 |
| 0.351 (2/14/2023) | ND<0.25 U (11/19/2014) | (0.351 - 0.25)/(37 - 8) | 0.00348276 |
| 0.515 (5/25/2023) | ND<0.25 U (11/19/2014) | (0.515 - 0.25)/(38 - 8) | 0.00883333 |
| 0.424 (8/7/2023) | ND<0.25 U (11/19/2014) | (0.424 - 0.25)/(39 - 8) | 0.0056129 |
| 0.502 (12/12/2023) | ND<0.25 U (11/19/2014) | (0.502 - 0.25)/(40 - 8) | 0.007875 |
| 0.392 (1/10/2024) | ND<0.25 U (11/19/2014) | (0.392 - 0.25)/(41 - 8) | 0.00430303 |
| 0.545 (5/21/2024) | ND<0.25 U (11/19/2014) | (0.545 - 0.25)/(42 - 8) | 0.00867647 |
| 0.784 (9/16/2024) | ND<0.25 U (11/19/2014) | (0.784 - 0.25)/(43 - 8) | 0.0152571 |
| 0.411 (12/11/2024) | ND<0.25 U (11/19/2014) | (0.411 - 0.25)/(44 - 8) | 0.00447222 |
| 0.453 (2/18/2025) | ND<0.25 U (11/19/2014) | (0.453 - 0.25)/(45 - 8) | 0.00548649 |
| | | | |
| 0.45 (4/22/2015) | 0.46 (3/23/2015) | (0.45 - 0.46)/(10 - 9) | -0.01 |

| | | | |
|---|---|---|---|
| 0.42 (9/30/2015) | 0.46 (3/23/2015) | (0.42 - 0.46)/(11 - 9) | -0.02 |
| ND<0.25 U (11/19/2015) | 0.46 (3/23/2015) | (0.25 - 0.46)/(12 - 9) | -0.07 |
| ND<0.25 U (3/15/2016) | 0.46 (3/23/2015) | (0.25 - 0.46)/(13 - 9) | -0.0525 |
| 0.37 (6/29/2016) | 0.46 (3/23/2015) | (0.37 - 0.46)/(14 - 9) | -0.018 |
| 0.56 (8/9/2016) | 0.46 (3/23/2015) | (0.56 - 0.46)/(15 - 9) | 0.0166667 |
| 1.78 (12/7/2016) | 0.46 (3/23/2015) | (1.78 - 0.46)/(16 - 9) | 0.188571 |
| 0.73 (3/2/2017) | 0.46 (3/23/2015) | (0.73 - 0.46)/(17 - 9) | 0.03375 |
| 0.63 (7/5/2017) | 0.46 (3/23/2015) | (0.63 - 0.46)/(18 - 9) | 0.0188889 |
| 0.45 (8/16/2017) | 0.46 (3/23/2015) | (0.45 - 0.46)/(19 - 9) | -0.001 |
| 0.38 (10/25/2017) | 0.46 (3/23/2015) | (0.38 - 0.46)/(20 - 9) | -0.00727273 |
| ND<0.25 U (3/28/2018) | 0.46 (3/23/2015) | (0.25 - 0.46)/(21 - 9) | -0.0175 |
| 0.8 (6/29/2018) | 0.46 (3/23/2015) | (0.8 - 0.46)/(22 - 9) | 0.0261538 |
| 0.981 (8/2/2018) | 0.46 (3/23/2015) | (0.981 - 0.46)/(23 - 9) | 0.0372143 |
| 0.433 (12/10/2018) | 0.46 (3/23/2015) | (0.433 - 0.46)/(24 - 9) | -0.0018 |
| 0.271 (4/15/2019) | 0.46 (3/23/2015) | (0.271 - 0.46)/(25 - 9) | -0.0118125 |
| ND<0.25 U (6/12/2019) | 0.46 (3/23/2015) | (0.25 - 0.46)/(26 - 9) | -0.0123529 |
| 0.389 (8/27/2019) | 0.46 (3/23/2015) | (0.389 - 0.46)/(27 - 9) | -0.00394444 |
| 0.39 (10/29/2019) | 0.46 (3/23/2015) | (0.39 - 0.46)/(28 - 9) | -0.00368421 |
| 0.657 (3/30/2020) | 0.46 (3/23/2015) | (0.657 - 0.46)/(29 - 9) | 0.00985 |
| 0.466 (6/16/2020) | 0.46 (3/23/2015) | (0.466 - 0.46)/(30 - 9) | 0.000285714 |
| 0.66 (9/21/2020) | 0.46 (3/23/2015) | (0.66 - 0.46)/(31 - 9) | 0.00909091 |
| 1.24 (9/2/2021) | 0.46 (3/23/2015) | (1.24 - 0.46)/(32 - 9) | 0.033913 |
| 0.52 (1/11/2022) | 0.46 (3/23/2015) | (0.52 - 0.46)/(33 - 9) | 0.0025 |
| 0.406 (4/7/2022) | 0.46 (3/23/2015) | (0.406 - 0.46)/(34 - 9) | -0.00216 |
| ND<0.25 U (8/2/2022) | 0.46 (3/23/2015) | (0.25 - 0.46)/(35 - 9) | -0.00807692 |
| 0.294 (11/16/2022) | 0.46 (3/23/2015) | (0.294 - 0.46)/(36 - 9) | -0.00614815 |
| 0.351 (2/14/2023) | 0.46 (3/23/2015) | (0.351 - 0.46)/(37 - 9) | -0.00389286 |
| 0.515 (5/25/2023) | 0.46 (3/23/2015) | (0.515 - 0.46)/(38 - 9) | 0.00189655 |
| 0.424 (8/7/2023) | 0.46 (3/23/2015) | (0.424 - 0.46)/(39 - 9) | -0.0012 |
| 0.502 (12/12/2023) | 0.46 (3/23/2015) | (0.502 - 0.46)/(40 - 9) | 0.00135484 |
| 0.392 (1/10/2024) | 0.46 (3/23/2015) | (0.392 - 0.46)/(41 - 9) | -0.002125 |
| 0.545 (5/21/2024) | 0.46 (3/23/2015) | (0.545 - 0.46)/(42 - 9) | 0.00257576 |
| 0.784 (9/16/2024) | 0.46 (3/23/2015) | (0.784 - 0.46)/(43 - 9) | 0.00952941 |
| 0.411 (12/11/2024) | 0.46 (3/23/2015) | (0.411 - 0.46)/(44 - 9) | -0.0014 |
| 0.453 (2/18/2025) | 0.46 (3/23/2015) | (0.453 - 0.46)/(45 - 9) | -0.000194444 |
| | | | |
| 0.42 (9/30/2015) | 0.45 (4/22/2015) | (0.42 - 0.45)/(11 - 10) | -0.03 |
| ND<0.25 U (11/19/2015) | 0.45 (4/22/2015) | (0.25 - 0.45)/(12 - 10) | -0.1 |
| ND<0.25 U (3/15/2016) | 0.45 (4/22/2015) | (0.25 - 0.45)/(13 - 10) | -0.0666667 |
| 0.37 (6/29/2016) | 0.45 (4/22/2015) | (0.37 - 0.45)/(14 - 10) | -0.02 |
| 0.56 (8/9/2016) | 0.45 (4/22/2015) | (0.56 - 0.45)/(15 - 10) | 0.022 |
| 1.78 (12/7/2016) | 0.45 (4/22/2015) | (1.78 - 0.45)/(16 - 10) | 0.221667 |
| 0.73 (3/2/2017) | 0.45 (4/22/2015) | (0.73 - 0.45)/(17 - 10) | 0.04 |
| 0.63 (7/5/2017) | 0.45 (4/22/2015) | (0.63 - 0.45)/(18 - 10) | 0.0225 |
| 0.45 (8/16/2017) | 0.45 (4/22/2015) | (0.45 - 0.45)/(19 - 10) | 0 |
| 0.38 (10/25/2017) | 0.45 (4/22/2015) | (0.38 - 0.45)/(20 - 10) | -0.007 |
| ND<0.25 U (3/28/2018) | 0.45 (4/22/2015) | (0.25 - 0.45)/(21 - 10) | -0.0181818 |
| 0.8 (6/29/2018) | 0.45 (4/22/2015) | (0.8 - 0.45)/(22 - 10) | 0.0291667 |
| 0.981 (8/2/2018) | 0.45 (4/22/2015) | (0.981 - 0.45)/(23 - 10) | 0.0408462 |
| 0.433 (12/10/2018) | 0.45 (4/22/2015) | (0.433 - 0.45)/(24 - 10) | -0.00121429 |
| 0.271 (4/15/2019) | 0.45 (4/22/2015) | (0.271 - 0.45)/(25 - 10) | -0.0119333 |
| ND<0.25 U (6/12/2019) | 0.45 (4/22/2015) | (0.25 - 0.45)/(26 - 10) | -0.0125 |
| 0.389 (8/27/2019) | 0.45 (4/22/2015) | (0.389 - 0.45)/(27 - 10) | -0.00358824 |
| 0.39 (10/29/2019) | 0.45 (4/22/2015) | (0.39 - 0.45)/(28 - 10) | -0.00333333 |
| 0.657 (3/30/2020) | 0.45 (4/22/2015) | (0.657 - 0.45)/(29 - 10) | 0.0108947 |
| 0.466 (6/16/2020) | 0.45 (4/22/2015) | (0.466 - 0.45)/(30 - 10) | 0.0008 |
| 0.66 (9/21/2020) | 0.45 (4/22/2015) | (0.66 - 0.45)/(31 - 10) | 0.01 |

| | | | |
|---|---|---|---|
| 1.24 (9/2/2021) | 0.45 (4/22/2015) | (1.24 - 0.45)/(32 - 10) | 0.0359091 |
| 0.52 (1/11/2022) | 0.45 (4/22/2015) | (0.52 - 0.45)/(33 - 10) | 0.00304348 |
| 0.406 (4/7/2022) | 0.45 (4/22/2015) | (0.406 - 0.45)/(34 - 10) | -0.00183333 |
| ND<0.25 U (8/2/2022) | 0.45 (4/22/2015) | (0.25 - 0.45)/(35 - 10) | -0.008 |
| 0.294 (11/16/2022) | 0.45 (4/22/2015) | (0.294 - 0.45)/(36 - 10) | -0.006 |
| 0.351 (2/14/2023) | 0.45 (4/22/2015) | (0.351 - 0.45)/(37 - 10) | -0.00366667 |
| 0.515 (5/25/2023) | 0.45 (4/22/2015) | (0.515 - 0.45)/(38 - 10) | 0.00232143 |
| 0.424 (8/7/2023) | 0.45 (4/22/2015) | (0.424 - 0.45)/(39 - 10) | -0.000896552 |
| 0.502 (12/12/2023) | 0.45 (4/22/2015) | (0.502 - 0.45)/(40 - 10) | 0.00173333 |
| 0.392 (1/10/2024) | 0.45 (4/22/2015) | (0.392 - 0.45)/(41 - 10) | -0.00187097 |
| 0.545 (5/21/2024) | 0.45 (4/22/2015) | (0.545 - 0.45)/(42 - 10) | 0.00296875 |
| 0.784 (9/16/2024) | 0.45 (4/22/2015) | (0.784 - 0.45)/(43 - 10) | 0.0101212 |
| 0.411 (12/11/2024) | 0.45 (4/22/2015) | (0.411 - 0.45)/(44 - 10) | -0.00114706 |
| 0.453 (2/18/2025) | 0.45 (4/22/2015) | (0.453 - 0.45)/(45 - 10) | 8.57143e-05 |
| | | | |
| ND<0.25 U (11/19/2015) | 0.42 (9/30/2015) | (0.25 - 0.42)/(12 - 11) | -0.17 |
| ND<0.25 U (3/15/2016) | 0.42 (9/30/2015) | (0.25 - 0.42)/(13 - 11) | -0.085 |
| 0.37 (6/29/2016) | 0.42 (9/30/2015) | (0.37 - 0.42)/(14 - 11) | -0.0166667 |
| 0.56 (8/9/2016) | 0.42 (9/30/2015) | (0.56 - 0.42)/(15 - 11) | 0.035 |
| 1.78 (12/7/2016) | 0.42 (9/30/2015) | (1.78 - 0.42)/(16 - 11) | 0.272 |
| 0.73 (3/2/2017) | 0.42 (9/30/2015) | (0.73 - 0.42)/(17 - 11) | 0.0516667 |
| 0.63 (7/5/2017) | 0.42 (9/30/2015) | (0.63 - 0.42)/(18 - 11) | 0.03 |
| 0.45 (8/16/2017) | 0.42 (9/30/2015) | (0.45 - 0.42)/(19 - 11) | 0.00375 |
| 0.38 (10/25/2017) | 0.42 (9/30/2015) | (0.38 - 0.42)/(20 - 11) | -0.00444444 |
| ND<0.25 U (3/28/2018) | 0.42 (9/30/2015) | (0.25 - 0.42)/(21 - 11) | -0.017 |
| 0.8 (6/29/2018) | 0.42 (9/30/2015) | (0.8 - 0.42)/(22 - 11) | 0.0345455 |
| 0.981 (8/2/2018) | 0.42 (9/30/2015) | (0.981 - 0.42)/(23 - 11) | 0.04675 |
| 0.433 (12/10/2018) | 0.42 (9/30/2015) | (0.433 - 0.42)/(24 - 11) | 0.001 |
| 0.271 (4/15/2019) | 0.42 (9/30/2015) | (0.271 - 0.42)/(25 - 11) | -0.0106429 |
| ND<0.25 U (6/12/2019) | 0.42 (9/30/2015) | (0.25 - 0.42)/(26 - 11) | -0.0113333 |
| 0.389 (8/27/2019) | 0.42 (9/30/2015) | (0.389 - 0.42)/(27 - 11) | -0.0019375 |
| 0.39 (10/29/2019) | 0.42 (9/30/2015) | (0.39 - 0.42)/(28 - 11) | -0.00176471 |
| 0.657 (3/30/2020) | 0.42 (9/30/2015) | (0.657 - 0.42)/(29 - 11) | 0.0131667 |
| 0.466 (6/16/2020) | 0.42 (9/30/2015) | (0.466 - 0.42)/(30 - 11) | 0.00242105 |
| 0.66 (9/21/2020) | 0.42 (9/30/2015) | (0.66 - 0.42)/(31 - 11) | 0.012 |
| 1.24 (9/2/2021) | 0.42 (9/30/2015) | (1.24 - 0.42)/(32 - 11) | 0.0390476 |
| 0.52 (1/11/2022) | 0.42 (9/30/2015) | (0.52 - 0.42)/(33 - 11) | 0.00454545 |
| 0.406 (4/7/2022) | 0.42 (9/30/2015) | (0.406 - 0.42)/(34 - 11) | -0.000608696 |
| ND<0.25 U (8/2/2022) | 0.42 (9/30/2015) | (0.25 - 0.42)/(35 - 11) | -0.00708333 |
| 0.294 (11/16/2022) | 0.42 (9/30/2015) | (0.294 - 0.42)/(36 - 11) | -0.00504 |
| 0.351 (2/14/2023) | 0.42 (9/30/2015) | (0.351 - 0.42)/(37 - 11) | -0.00265385 |
| 0.515 (5/25/2023) | 0.42 (9/30/2015) | (0.515 - 0.42)/(38 - 11) | 0.00351852 |
| 0.424 (8/7/2023) | 0.42 (9/30/2015) | (0.424 - 0.42)/(39 - 11) | 0.000142857 |
| 0.502 (12/12/2023) | 0.42 (9/30/2015) | (0.502 - 0.42)/(40 - 11) | 0.00282759 |
| 0.392 (1/10/2024) | 0.42 (9/30/2015) | (0.392 - 0.42)/(41 - 11) | -0.000933333 |
| 0.545 (5/21/2024) | 0.42 (9/30/2015) | (0.545 - 0.42)/(42 - 11) | 0.00403226 |
| 0.784 (9/16/2024) | 0.42 (9/30/2015) | (0.784 - 0.42)/(43 - 11) | 0.011375 |
| 0.411 (12/11/2024) | 0.42 (9/30/2015) | (0.411 - 0.42)/(44 - 11) | -0.000272727 |
| 0.453 (2/18/2025) | 0.42 (9/30/2015) | (0.453 - 0.42)/(45 - 11) | 0.000970588 |
| | | | |
| ND<0.25 U (3/15/2016) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(13 - 12) | 0 |
| 0.37 (6/29/2016) | ND<0.25 U (11/19/2015) | (0.37 - 0.25)/(14 - 12) | 0.06 |
| 0.56 (8/9/2016) | ND<0.25 U (11/19/2015) | (0.56 - 0.25)/(15 - 12) | 0.103333 |
| 1.78 (12/7/2016) | ND<0.25 U (11/19/2015) | (1.78 - 0.25)/(16 - 12) | 0.3825 |
| 0.73 (3/2/2017) | ND<0.25 U (11/19/2015) | (0.73 - 0.25)/(17 - 12) | 0.096 |
| 0.63 (7/5/2017) | ND<0.25 U (11/19/2015) | (0.63 - 0.25)/(18 - 12) | 0.0633333 |
| 0.45 (8/16/2017) | ND<0.25 U (11/19/2015) | (0.45 - 0.25)/(19 - 12) | 0.0285714 |

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|---|---|---|---|
| 0.38 (10/25/2017) | ND<0.25 U (11/19/2015) | (0.38 - 0.25)/(20 - 12) | 0.01625 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(21 - 12) | 0 |
| 0.8 (6/29/2018) | ND<0.25 U (11/19/2015) | (0.8 - 0.25)/(22 - 12) | 0.055 |
| 0.981 (8/2/2018) | ND<0.25 U (11/19/2015) | (0.981 - 0.25)/(23 - 12) | 0.0664545 |
| 0.433 (12/10/2018) | ND<0.25 U (11/19/2015) | (0.433 - 0.25)/(24 - 12) | 0.01525 |
| 0.271 (4/15/2019) | ND<0.25 U (11/19/2015) | (0.271 - 0.25)/(25 - 12) | 0.00161538 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(26 - 12) | 0 |
| 0.389 (8/27/2019) | ND<0.25 U (11/19/2015) | (0.389 - 0.25)/(27 - 12) | 0.00926667 |
| 0.39 (10/29/2019) | ND<0.25 U (11/19/2015) | (0.39 - 0.25)/(28 - 12) | 0.00875 |
| 0.657 (3/30/2020) | ND<0.25 U (11/19/2015) | (0.657 - 0.25)/(29 - 12) | 0.0239412 |
| 0.466 (6/16/2020) | ND<0.25 U (11/19/2015) | (0.466 - 0.25)/(30 - 12) | 0.012 |
| 0.66 (9/21/2020) | ND<0.25 U (11/19/2015) | (0.66 - 0.25)/(31 - 12) | 0.0215789 |
| 1.24 (9/2/2021) | ND<0.25 U (11/19/2015) | (1.24 - 0.25)/(32 - 12) | 0.0495 |
| 0.52 (1/11/2022) | ND<0.25 U (11/19/2015) | (0.52 - 0.25)/(33 - 12) | 0.0128571 |
| 0.406 (4/7/2022) | ND<0.25 U (11/19/2015) | (0.406 - 0.25)/(34 - 12) | 0.00709091 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (11/19/2015) | (0.25 - 0.25)/(35 - 12) | 0 |
| 0.294 (11/16/2022) | ND<0.25 U (11/19/2015) | (0.294 - 0.25)/(36 - 12) | 0.00183333 |
| 0.351 (2/14/2023) | ND<0.25 U (11/19/2015) | (0.351 - 0.25)/(37 - 12) | 0.00404 |
| 0.515 (5/25/2023) | ND<0.25 U (11/19/2015) | (0.515 - 0.25)/(38 - 12) | 0.0101923 |
| 0.424 (8/7/2023) | ND<0.25 U (11/19/2015) | (0.424 - 0.25)/(39 - 12) | 0.00644444 |
| 0.502 (12/12/2023) | ND<0.25 U (11/19/2015) | (0.502 - 0.25)/(40 - 12) | 0.009 |
| 0.392 (1/10/2024) | ND<0.25 U (11/19/2015) | (0.392 - 0.25)/(41 - 12) | 0.00489655 |
| 0.545 (5/21/2024) | ND<0.25 U (11/19/2015) | (0.545 - 0.25)/(42 - 12) | 0.00983333 |
| 0.784 (9/16/2024) | ND<0.25 U (11/19/2015) | (0.784 - 0.25)/(43 - 12) | 0.0172258 |
| 0.411 (12/11/2024) | ND<0.25 U (11/19/2015) | (0.411 - 0.25)/(44 - 12) | 0.00503125 |
| 0.453 (2/18/2025) | ND<0.25 U (11/19/2015) | (0.453 - 0.25)/(45 - 12) | 0.00615152 |
| | | | |
| 0.37 (6/29/2016) | ND<0.25 U (3/15/2016) | (0.37 - 0.25)/(14 - 13) | 0.12 |
| 0.56 (8/9/2016) | ND<0.25 U (3/15/2016) | (0.56 - 0.25)/(15 - 13) | 0.155 |
| 1.78 (12/7/2016) | ND<0.25 U (3/15/2016) | (1.78 - 0.25)/(16 - 13) | 0.51 |
| 0.73 (3/2/2017) | ND<0.25 U (3/15/2016) | (0.73 - 0.25)/(17 - 13) | 0.12 |
| 0.63 (7/5/2017) | ND<0.25 U (3/15/2016) | (0.63 - 0.25)/(18 - 13) | 0.076 |
| 0.45 (8/16/2017) | ND<0.25 U (3/15/2016) | (0.45 - 0.25)/(19 - 13) | 0.0333333 |
| 0.38 (10/25/2017) | ND<0.25 U (3/15/2016) | (0.38 - 0.25)/(20 - 13) | 0.0185714 |
| ND<0.25 U (3/28/2018) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(21 - 13) | 0 |
| 0.8 (6/29/2018) | ND<0.25 U (3/15/2016) | (0.8 - 0.25)/(22 - 13) | 0.0611111 |
| 0.981 (8/2/2018) | ND<0.25 U (3/15/2016) | (0.981 - 0.25)/(23 - 13) | 0.0731 |
| 0.433 (12/10/2018) | ND<0.25 U (3/15/2016) | (0.433 - 0.25)/(24 - 13) | 0.0166364 |
| 0.271 (4/15/2019) | ND<0.25 U (3/15/2016) | (0.271 - 0.25)/(25 - 13) | 0.00175 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(26 - 13) | 0 |
| 0.389 (8/27/2019) | ND<0.25 U (3/15/2016) | (0.389 - 0.25)/(27 - 13) | 0.00992857 |
| 0.39 (10/29/2019) | ND<0.25 U (3/15/2016) | (0.39 - 0.25)/(28 - 13) | 0.00933333 |
| 0.657 (3/30/2020) | ND<0.25 U (3/15/2016) | (0.657 - 0.25)/(29 - 13) | 0.0254375 |
| 0.466 (6/16/2020) | ND<0.25 U (3/15/2016) | (0.466 - 0.25)/(30 - 13) | 0.0127059 |
| 0.66 (9/21/2020) | ND<0.25 U (3/15/2016) | (0.66 - 0.25)/(31 - 13) | 0.0227778 |
| 1.24 (9/2/2021) | ND<0.25 U (3/15/2016) | (1.24 - 0.25)/(32 - 13) | 0.0521053 |
| 0.52 (1/11/2022) | ND<0.25 U (3/15/2016) | (0.52 - 0.25)/(33 - 13) | 0.0135 |
| 0.406 (4/7/2022) | ND<0.25 U (3/15/2016) | (0.406 - 0.25)/(34 - 13) | 0.00742857 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (3/15/2016) | (0.25 - 0.25)/(35 - 13) | 0 |
| 0.294 (11/16/2022) | ND<0.25 U (3/15/2016) | (0.294 - 0.25)/(36 - 13) | 0.00191304 |
| 0.351 (2/14/2023) | ND<0.25 U (3/15/2016) | (0.351 - 0.25)/(37 - 13) | 0.00420833 |
| 0.515 (5/25/2023) | ND<0.25 U (3/15/2016) | (0.515 - 0.25)/(38 - 13) | 0.0106 |
| 0.424 (8/7/2023) | ND<0.25 U (3/15/2016) | (0.424 - 0.25)/(39 - 13) | 0.00669231 |
| 0.502 (12/12/2023) | ND<0.25 U (3/15/2016) | (0.502 - 0.25)/(40 - 13) | 0.00933333 |
| 0.392 (1/10/2024) | ND<0.25 U (3/15/2016) | (0.392 - 0.25)/(41 - 13) | 0.00507143 |
| 0.545 (5/21/2024) | ND<0.25 U (3/15/2016) | (0.545 - 0.25)/(42 - 13) | 0.0101724 |
| 0.784 (9/16/2024) | ND<0.25 U (3/15/2016) | (0.784 - 0.25)/(43 - 13) | 0.0178 |

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|---|---|---|---|
| 0.411 (12/11/2024) | ND<0.25 U (3/15/2016) | (0.411 - 0.25)/(44 - 13) | 0.00519355 |
| 0.453 (2/18/2025) | ND<0.25 U (3/15/2016) | (0.453 - 0.25)/(45 - 13) | 0.00634375 |
| | | | |
| 0.56 (8/9/2016) | 0.37 (6/29/2016) | (0.56 - 0.37)/(15 - 14) | 0.19 |
| 1.78 (12/7/2016) | 0.37 (6/29/2016) | (1.78 - 0.37)/(16 - 14) | 0.705 |
| 0.73 (3/2/2017) | 0.37 (6/29/2016) | (0.73 - 0.37)/(17 - 14) | 0.12 |
| 0.63 (7/5/2017) | 0.37 (6/29/2016) | (0.63 - 0.37)/(18 - 14) | 0.065 |
| 0.45 (8/16/2017) | 0.37 (6/29/2016) | (0.45 - 0.37)/(19 - 14) | 0.016 |
| 0.38 (10/25/2017) | 0.37 (6/29/2016) | (0.38 - 0.37)/(20 - 14) | 0.00166667 |
| ND<0.25 U (3/28/2018) | 0.37 (6/29/2016) | (0.25 - 0.37)/(21 - 14) | -0.0171429 |
| 0.8 (6/29/2018) | 0.37 (6/29/2016) | (0.8 - 0.37)/(22 - 14) | 0.05375 |
| 0.981 (8/2/2018) | 0.37 (6/29/2016) | (0.981 - 0.37)/(23 - 14) | 0.0678889 |
| 0.433 (12/10/2018) | 0.37 (6/29/2016) | (0.433 - 0.37)/(24 - 14) | 0.0063 |
| 0.271 (4/15/2019) | 0.37 (6/29/2016) | (0.271 - 0.37)/(25 - 14) | -0.009 |
| ND<0.25 U (6/12/2019) | 0.37 (6/29/2016) | (0.25 - 0.37)/(26 - 14) | -0.01 |
| 0.389 (8/27/2019) | 0.37 (6/29/2016) | (0.389 - 0.37)/(27 - 14) | 0.00146154 |
| 0.39 (10/29/2019) | 0.37 (6/29/2016) | (0.39 - 0.37)/(28 - 14) | 0.00142857 |
| 0.657 (3/30/2020) | 0.37 (6/29/2016) | (0.657 - 0.37)/(29 - 14) | 0.0191333 |
| 0.466 (6/16/2020) | 0.37 (6/29/2016) | (0.466 - 0.37)/(30 - 14) | 0.006 |
| 0.66 (9/21/2020) | 0.37 (6/29/2016) | (0.66 - 0.37)/(31 - 14) | 0.0170588 |
| 1.24 (9/2/2021) | 0.37 (6/29/2016) | (1.24 - 0.37)/(32 - 14) | 0.0483333 |
| 0.52 (1/11/2022) | 0.37 (6/29/2016) | (0.52 - 0.37)/(33 - 14) | 0.00789474 |
| 0.406 (4/7/2022) | 0.37 (6/29/2016) | (0.406 - 0.37)/(34 - 14) | 0.0018 |
| ND<0.25 U (8/2/2022) | 0.37 (6/29/2016) | (0.25 - 0.37)/(35 - 14) | -0.00571429 |
| 0.294 (11/16/2022) | 0.37 (6/29/2016) | (0.294 - 0.37)/(36 - 14) | -0.00345455 |
| 0.351 (2/14/2023) | 0.37 (6/29/2016) | (0.351 - 0.37)/(37 - 14) | -0.000826087 |
| 0.515 (5/25/2023) | 0.37 (6/29/2016) | (0.515 - 0.37)/(38 - 14) | 0.00604167 |
| 0.424 (8/7/2023) | 0.37 (6/29/2016) | (0.424 - 0.37)/(39 - 14) | 0.00216 |
| 0.502 (12/12/2023) | 0.37 (6/29/2016) | (0.502 - 0.37)/(40 - 14) | 0.00507692 |
| 0.392 (1/10/2024) | 0.37 (6/29/2016) | (0.392 - 0.37)/(41 - 14) | 0.000814815 |
| 0.545 (5/21/2024) | 0.37 (6/29/2016) | (0.545 - 0.37)/(42 - 14) | 0.00625 |
| 0.784 (9/16/2024) | 0.37 (6/29/2016) | (0.784 - 0.37)/(43 - 14) | 0.0142759 |
| 0.411 (12/11/2024) | 0.37 (6/29/2016) | (0.411 - 0.37)/(44 - 14) | 0.00136667 |
| 0.453 (2/18/2025) | 0.37 (6/29/2016) | (0.453 - 0.37)/(45 - 14) | 0.00267742 |
| | | | |
| 1.78 (12/7/2016) | 0.56 (8/9/2016) | (1.78 - 0.56)/(16 - 15) | 1.22 |
| 0.73 (3/2/2017) | 0.56 (8/9/2016) | (0.73 - 0.56)/(17 - 15) | 0.085 |
| 0.63 (7/5/2017) | 0.56 (8/9/2016) | (0.63 - 0.56)/(18 - 15) | 0.0233333 |
| 0.45 (8/16/2017) | 0.56 (8/9/2016) | (0.45 - 0.56)/(19 - 15) | -0.0275 |
| 0.38 (10/25/2017) | 0.56 (8/9/2016) | (0.38 - 0.56)/(20 - 15) | -0.036 |
| ND<0.25 U (3/28/2018) | 0.56 (8/9/2016) | (0.25 - 0.56)/(21 - 15) | -0.0516667 |
| 0.8 (6/29/2018) | 0.56 (8/9/2016) | (0.8 - 0.56)/(22 - 15) | 0.0342857 |
| 0.981 (8/2/2018) | 0.56 (8/9/2016) | (0.981 - 0.56)/(23 - 15) | 0.052625 |
| 0.433 (12/10/2018) | 0.56 (8/9/2016) | (0.433 - 0.56)/(24 - 15) | -0.0141111 |
| 0.271 (4/15/2019) | 0.56 (8/9/2016) | (0.271 - 0.56)/(25 - 15) | -0.0289 |
| ND<0.25 U (6/12/2019) | 0.56 (8/9/2016) | (0.25 - 0.56)/(26 - 15) | -0.0281818 |
| 0.389 (8/27/2019) | 0.56 (8/9/2016) | (0.389 - 0.56)/(27 - 15) | -0.01425 |
| 0.39 (10/29/2019) | 0.56 (8/9/2016) | (0.39 - 0.56)/(28 - 15) | -0.0130769 |
| 0.657 (3/30/2020) | 0.56 (8/9/2016) | (0.657 - 0.56)/(29 - 15) | 0.00692857 |
| 0.466 (6/16/2020) | 0.56 (8/9/2016) | (0.466 - 0.56)/(30 - 15) | -0.00626667 |
| 0.66 (9/21/2020) | 0.56 (8/9/2016) | (0.66 - 0.56)/(31 - 15) | 0.00625 |
| 1.24 (9/2/2021) | 0.56 (8/9/2016) | (1.24 - 0.56)/(32 - 15) | 0.04 |
| 0.52 (1/11/2022) | 0.56 (8/9/2016) | (0.52 - 0.56)/(33 - 15) | -0.00222222 |
| 0.406 (4/7/2022) | 0.56 (8/9/2016) | (0.406 - 0.56)/(34 - 15) | -0.00810526 |
| ND<0.25 U (8/2/2022) | 0.56 (8/9/2016) | (0.25 - 0.56)/(35 - 15) | -0.0155 |
| 0.294 (11/16/2022) | 0.56 (8/9/2016) | (0.294 - 0.56)/(36 - 15) | -0.0126667 |
| 0.351 (2/14/2023) | 0.56 (8/9/2016) | (0.351 - 0.56)/(37 - 15) | -0.0095 |

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|---|---|---|---|
| 0.515 (5/25/2023) | 0.56 (8/9/2016) | (0.515 - 0.56)/(38 - 15) | -0.00195652 |
| 0.424 (8/7/2023) | 0.56 (8/9/2016) | (0.424 - 0.56)/(39 - 15) | -0.00566667 |
| 0.502 (12/12/2023) | 0.56 (8/9/2016) | (0.502 - 0.56)/(40 - 15) | -0.00232 |
| 0.392 (1/10/2024) | 0.56 (8/9/2016) | (0.392 - 0.56)/(41 - 15) | -0.00646154 |
| 0.545 (5/21/2024) | 0.56 (8/9/2016) | (0.545 - 0.56)/(42 - 15) | -0.000555556 |
| 0.784 (9/16/2024) | 0.56 (8/9/2016) | (0.784 - 0.56)/(43 - 15) | 0.008 |
| 0.411 (12/11/2024) | 0.56 (8/9/2016) | (0.411 - 0.56)/(44 - 15) | -0.00513793 |
| 0.453 (2/18/2025) | 0.56 (8/9/2016) | (0.453 - 0.56)/(45 - 15) | -0.00356667 |
| | | | |
| 0.73 (3/2/2017) | 1.78 (12/7/2016) | (0.73 - 1.78)/(17 - 16) | -1.05 |
| 0.63 (7/5/2017) | 1.78 (12/7/2016) | (0.63 - 1.78)/(18 - 16) | -0.575 |
| 0.45 (8/16/2017) | 1.78 (12/7/2016) | (0.45 - 1.78)/(19 - 16) | -0.443333 |
| 0.38 (10/25/2017) | 1.78 (12/7/2016) | (0.38 - 1.78)/(20 - 16) | -0.35 |
| ND<0.25 U (3/28/2018) | 1.78 (12/7/2016) | (0.25 - 1.78)/(21 - 16) | -0.306 |
| 0.8 (6/29/2018) | 1.78 (12/7/2016) | (0.8 - 1.78)/(22 - 16) | -0.163333 |
| 0.981 (8/2/2018) | 1.78 (12/7/2016) | (0.981 - 1.78)/(23 - 16) | -0.114143 |
| 0.433 (12/10/2018) | 1.78 (12/7/2016) | (0.433 - 1.78)/(24 - 16) | -0.168375 |
| 0.271 (4/15/2019) | 1.78 (12/7/2016) | (0.271 - 1.78)/(25 - 16) | -0.167667 |
| ND<0.25 U (6/12/2019) | 1.78 (12/7/2016) | (0.25 - 1.78)/(26 - 16) | -0.153 |
| 0.389 (8/27/2019) | 1.78 (12/7/2016) | (0.389 - 1.78)/(27 - 16) | -0.126455 |
| 0.39 (10/29/2019) | 1.78 (12/7/2016) | (0.39 - 1.78)/(28 - 16) | -0.115833 |
| 0.657 (3/30/2020) | 1.78 (12/7/2016) | (0.657 - 1.78)/(29 - 16) | -0.0863846 |
| 0.466 (6/16/2020) | 1.78 (12/7/2016) | (0.466 - 1.78)/(30 - 16) | -0.0938571 |
| 0.66 (9/21/2020) | 1.78 (12/7/2016) | (0.66 - 1.78)/(31 - 16) | -0.0746667 |
| 1.24 (9/2/2021) | 1.78 (12/7/2016) | (1.24 - 1.78)/(32 - 16) | -0.03375 |
| 0.52 (1/11/2022) | 1.78 (12/7/2016) | (0.52 - 1.78)/(33 - 16) | -0.0741176 |
| 0.406 (4/7/2022) | 1.78 (12/7/2016) | (0.406 - 1.78)/(34 - 16) | -0.0763333 |
| ND<0.25 U (8/2/2022) | 1.78 (12/7/2016) | (0.25 - 1.78)/(35 - 16) | -0.0805263 |
| 0.294 (11/16/2022) | 1.78 (12/7/2016) | (0.294 - 1.78)/(36 - 16) | -0.0743 |
| 0.351 (2/14/2023) | 1.78 (12/7/2016) | (0.351 - 1.78)/(37 - 16) | -0.0680476 |
| 0.515 (5/25/2023) | 1.78 (12/7/2016) | (0.515 - 1.78)/(38 - 16) | -0.0575 |
| 0.424 (8/7/2023) | 1.78 (12/7/2016) | (0.424 - 1.78)/(39 - 16) | -0.0589565 |
| 0.502 (12/12/2023) | 1.78 (12/7/2016) | (0.502 - 1.78)/(40 - 16) | -0.05325 |
| 0.392 (1/10/2024) | 1.78 (12/7/2016) | (0.392 - 1.78)/(41 - 16) | -0.05552 |
| 0.545 (5/21/2024) | 1.78 (12/7/2016) | (0.545 - 1.78)/(42 - 16) | -0.0475 |
| 0.784 (9/16/2024) | 1.78 (12/7/2016) | (0.784 - 1.78)/(43 - 16) | -0.0368889 |
| 0.411 (12/11/2024) | 1.78 (12/7/2016) | (0.411 - 1.78)/(44 - 16) | -0.0488929 |
| 0.453 (2/18/2025) | 1.78 (12/7/2016) | (0.453 - 1.78)/(45 - 16) | -0.0457586 |
| | | | |
| 0.63 (7/5/2017) | 0.73 (3/2/2017) | (0.63 - 0.73)/(18 - 17) | -0.1 |
| 0.45 (8/16/2017) | 0.73 (3/2/2017) | (0.45 - 0.73)/(19 - 17) | -0.14 |
| 0.38 (10/25/2017) | 0.73 (3/2/2017) | (0.38 - 0.73)/(20 - 17) | -0.116667 |
| ND<0.25 U (3/28/2018) | 0.73 (3/2/2017) | (0.25 - 0.73)/(21 - 17) | -0.12 |
| 0.8 (6/29/2018) | 0.73 (3/2/2017) | (0.8 - 0.73)/(22 - 17) | 0.014 |
| 0.981 (8/2/2018) | 0.73 (3/2/2017) | (0.981 - 0.73)/(23 - 17) | 0.0418333 |
| 0.433 (12/10/2018) | 0.73 (3/2/2017) | (0.433 - 0.73)/(24 - 17) | -0.0424286 |
| 0.271 (4/15/2019) | 0.73 (3/2/2017) | (0.271 - 0.73)/(25 - 17) | -0.057375 |
| ND<0.25 U (6/12/2019) | 0.73 (3/2/2017) | (0.25 - 0.73)/(26 - 17) | -0.0533333 |
| 0.389 (8/27/2019) | 0.73 (3/2/2017) | (0.389 - 0.73)/(27 - 17) | -0.0341 |
| 0.39 (10/29/2019) | 0.73 (3/2/2017) | (0.39 - 0.73)/(28 - 17) | -0.0309091 |
| 0.657 (3/30/2020) | 0.73 (3/2/2017) | (0.657 - 0.73)/(29 - 17) | -0.00608333 |
| 0.466 (6/16/2020) | 0.73 (3/2/2017) | (0.466 - 0.73)/(30 - 17) | -0.0203077 |
| 0.66 (9/21/2020) | 0.73 (3/2/2017) | (0.66 - 0.73)/(31 - 17) | -0.005 |
| 1.24 (9/2/2021) | 0.73 (3/2/2017) | (1.24 - 0.73)/(32 - 17) | 0.034 |
| 0.52 (1/11/2022) | 0.73 (3/2/2017) | (0.52 - 0.73)/(33 - 17) | -0.013125 |
| 0.406 (4/7/2022) | 0.73 (3/2/2017) | (0.406 - 0.73)/(34 - 17) | -0.0190588 |
| ND<0.25 U (8/2/2022) | 0.73 (3/2/2017) | (0.25 - 0.73)/(35 - 17) | -0.0266667 |

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|---|---|---|---|
| 0.294 (11/16/2022) | 0.73 (3/2/2017) | (0.294 - 0.73)/(36 - 17) | -0.0229474 |
| 0.351 (2/14/2023) | 0.73 (3/2/2017) | (0.351 - 0.73)/(37 - 17) | -0.01895 |
| 0.515 (5/25/2023) | 0.73 (3/2/2017) | (0.515 - 0.73)/(38 - 17) | -0.0102381 |
| 0.424 (8/7/2023) | 0.73 (3/2/2017) | (0.424 - 0.73)/(39 - 17) | -0.0139091 |
| 0.502 (12/12/2023) | 0.73 (3/2/2017) | (0.502 - 0.73)/(40 - 17) | -0.00991304 |
| 0.392 (1/10/2024) | 0.73 (3/2/2017) | (0.392 - 0.73)/(41 - 17) | -0.0140833 |
| 0.545 (5/21/2024) | 0.73 (3/2/2017) | (0.545 - 0.73)/(42 - 17) | -0.0074 |
| 0.784 (9/16/2024) | 0.73 (3/2/2017) | (0.784 - 0.73)/(43 - 17) | 0.00207692 |
| 0.411 (12/11/2024) | 0.73 (3/2/2017) | (0.411 - 0.73)/(44 - 17) | -0.0118148 |
| 0.453 (2/18/2025) | 0.73 (3/2/2017) | (0.453 - 0.73)/(45 - 17) | -0.00989286 |
| | | | |
| 0.45 (8/16/2017) | 0.63 (7/5/2017) | (0.45 - 0.63)/(19 - 18) | -0.18 |
| 0.38 (10/25/2017) | 0.63 (7/5/2017) | (0.38 - 0.63)/(20 - 18) | -0.125 |
| ND<0.25 U (3/28/2018) | 0.63 (7/5/2017) | (0.25 - 0.63)/(21 - 18) | -0.126667 |
| 0.8 (6/29/2018) | 0.63 (7/5/2017) | (0.8 - 0.63)/(22 - 18) | 0.0425 |
| 0.981 (8/2/2018) | 0.63 (7/5/2017) | (0.981 - 0.63)/(23 - 18) | 0.0702 |
| 0.433 (12/10/2018) | 0.63 (7/5/2017) | (0.433 - 0.63)/(24 - 18) | -0.0328333 |
| 0.271 (4/15/2019) | 0.63 (7/5/2017) | (0.271 - 0.63)/(25 - 18) | -0.0512857 |
| ND<0.25 U (6/12/2019) | 0.63 (7/5/2017) | (0.25 - 0.63)/(26 - 18) | -0.0475 |
| 0.389 (8/27/2019) | 0.63 (7/5/2017) | (0.389 - 0.63)/(27 - 18) | -0.0267778 |
| 0.39 (10/29/2019) | 0.63 (7/5/2017) | (0.39 - 0.63)/(28 - 18) | -0.024 |
| 0.657 (3/30/2020) | 0.63 (7/5/2017) | (0.657 - 0.63)/(29 - 18) | 0.00245455 |
| 0.466 (6/16/2020) | 0.63 (7/5/2017) | (0.466 - 0.63)/(30 - 18) | -0.0136667 |
| 0.66 (9/21/2020) | 0.63 (7/5/2017) | (0.66 - 0.63)/(31 - 18) | 0.00230769 |
| 1.24 (9/2/2021) | 0.63 (7/5/2017) | (1.24 - 0.63)/(32 - 18) | 0.0435714 |
| 0.52 (1/11/2022) | 0.63 (7/5/2017) | (0.52 - 0.63)/(33 - 18) | -0.00733333 |
| 0.406 (4/7/2022) | 0.63 (7/5/2017) | (0.406 - 0.63)/(34 - 18) | -0.014 |
| ND<0.25 U (8/2/2022) | 0.63 (7/5/2017) | (0.25 - 0.63)/(35 - 18) | -0.0223529 |
| 0.294 (11/16/2022) | 0.63 (7/5/2017) | (0.294 - 0.63)/(36 - 18) | -0.0186667 |
| 0.351 (2/14/2023) | 0.63 (7/5/2017) | (0.351 - 0.63)/(37 - 18) | -0.0146842 |
| 0.515 (5/25/2023) | 0.63 (7/5/2017) | (0.515 - 0.63)/(38 - 18) | -0.00575 |
| 0.424 (8/7/2023) | 0.63 (7/5/2017) | (0.424 - 0.63)/(39 - 18) | -0.00980952 |
| 0.502 (12/12/2023) | 0.63 (7/5/2017) | (0.502 - 0.63)/(40 - 18) | -0.00581818 |
| 0.392 (1/10/2024) | 0.63 (7/5/2017) | (0.392 - 0.63)/(41 - 18) | -0.0103478 |
| 0.545 (5/21/2024) | 0.63 (7/5/2017) | (0.545 - 0.63)/(42 - 18) | -0.00354167 |
| 0.784 (9/16/2024) | 0.63 (7/5/2017) | (0.784 - 0.63)/(43 - 18) | 0.00616 |
| 0.411 (12/11/2024) | 0.63 (7/5/2017) | (0.411 - 0.63)/(44 - 18) | -0.00842308 |
| 0.453 (2/18/2025) | 0.63 (7/5/2017) | (0.453 - 0.63)/(45 - 18) | -0.00655556 |
| | | | |
| 0.38 (10/25/2017) | 0.45 (8/16/2017) | (0.38 - 0.45)/(20 - 19) | -0.07 |
| ND<0.25 U (3/28/2018) | 0.45 (8/16/2017) | (0.25 - 0.45)/(21 - 19) | -0.1 |
| 0.8 (6/29/2018) | 0.45 (8/16/2017) | (0.8 - 0.45)/(22 - 19) | 0.116667 |
| 0.981 (8/2/2018) | 0.45 (8/16/2017) | (0.981 - 0.45)/(23 - 19) | 0.13275 |
| 0.433 (12/10/2018) | 0.45 (8/16/2017) | (0.433 - 0.45)/(24 - 19) | -0.0034 |
| 0.271 (4/15/2019) | 0.45 (8/16/2017) | (0.271 - 0.45)/(25 - 19) | -0.0298333 |
| ND<0.25 U (6/12/2019) | 0.45 (8/16/2017) | (0.25 - 0.45)/(26 - 19) | -0.0285714 |
| 0.389 (8/27/2019) | 0.45 (8/16/2017) | (0.389 - 0.45)/(27 - 19) | -0.007625 |
| 0.39 (10/29/2019) | 0.45 (8/16/2017) | (0.39 - 0.45)/(28 - 19) | -0.00666667 |
| 0.657 (3/30/2020) | 0.45 (8/16/2017) | (0.657 - 0.45)/(29 - 19) | 0.0207 |
| 0.466 (6/16/2020) | 0.45 (8/16/2017) | (0.466 - 0.45)/(30 - 19) | 0.00145455 |
| 0.66 (9/21/2020) | 0.45 (8/16/2017) | (0.66 - 0.45)/(31 - 19) | 0.0175 |
| 1.24 (9/2/2021) | 0.45 (8/16/2017) | (1.24 - 0.45)/(32 - 19) | 0.0607692 |
| 0.52 (1/11/2022) | 0.45 (8/16/2017) | (0.52 - 0.45)/(33 - 19) | 0.005 |
| 0.406 (4/7/2022) | 0.45 (8/16/2017) | (0.406 - 0.45)/(34 - 19) | -0.00293333 |
| ND<0.25 U (8/2/2022) | 0.45 (8/16/2017) | (0.25 - 0.45)/(35 - 19) | -0.0125 |
| 0.294 (11/16/2022) | 0.45 (8/16/2017) | (0.294 - 0.45)/(36 - 19) | -0.00917647 |
| 0.351 (2/14/2023) | 0.45 (8/16/2017) | (0.351 - 0.45)/(37 - 19) | -0.0055 |

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|---|---|---|---|
| 0.515 (5/25/2023) | 0.45 (8/16/2017) | (0.515 - 0.45)/(38 - 19) | 0.00342105 |
| 0.424 (8/7/2023) | 0.45 (8/16/2017) | (0.424 - 0.45)/(39 - 19) | -0.0013 |
| 0.502 (12/12/2023) | 0.45 (8/16/2017) | (0.502 - 0.45)/(40 - 19) | 0.00247619 |
| 0.392 (1/10/2024) | 0.45 (8/16/2017) | (0.392 - 0.45)/(41 - 19) | -0.00263636 |
| 0.545 (5/21/2024) | 0.45 (8/16/2017) | (0.545 - 0.45)/(42 - 19) | 0.00413043 |
| 0.784 (9/16/2024) | 0.45 (8/16/2017) | (0.784 - 0.45)/(43 - 19) | 0.0139167 |
| 0.411 (12/11/2024) | 0.45 (8/16/2017) | (0.411 - 0.45)/(44 - 19) | -0.00156 |
| 0.453 (2/18/2025) | 0.45 (8/16/2017) | (0.453 - 0.45)/(45 - 19) | 0.000115385 |
| | | | |
| ND<0.25 U (3/28/2018) | 0.38 (10/25/2017) | (0.25 - 0.38)/(21 - 20) | -0.13 |
| 0.8 (6/29/2018) | 0.38 (10/25/2017) | (0.8 - 0.38)/(22 - 20) | 0.21 |
| 0.981 (8/2/2018) | 0.38 (10/25/2017) | (0.981 - 0.38)/(23 - 20) | 0.200333 |
| 0.433 (12/10/2018) | 0.38 (10/25/2017) | (0.433 - 0.38)/(24 - 20) | 0.01325 |
| 0.271 (4/15/2019) | 0.38 (10/25/2017) | (0.271 - 0.38)/(25 - 20) | -0.0218 |
| ND<0.25 U (6/12/2019) | 0.38 (10/25/2017) | (0.25 - 0.38)/(26 - 20) | -0.0216667 |
| 0.389 (8/27/2019) | 0.38 (10/25/2017) | (0.389 - 0.38)/(27 - 20) | 0.00128571 |
| 0.39 (10/29/2019) | 0.38 (10/25/2017) | (0.39 - 0.38)/(28 - 20) | 0.00125 |
| 0.657 (3/30/2020) | 0.38 (10/25/2017) | (0.657 - 0.38)/(29 - 20) | 0.0307778 |
| 0.466 (6/16/2020) | 0.38 (10/25/2017) | (0.466 - 0.38)/(30 - 20) | 0.0086 |
| 0.66 (9/21/2020) | 0.38 (10/25/2017) | (0.66 - 0.38)/(31 - 20) | 0.0254545 |
| 1.24 (9/2/2021) | 0.38 (10/25/2017) | (1.24 - 0.38)/(32 - 20) | 0.0716667 |
| 0.52 (1/11/2022) | 0.38 (10/25/2017) | (0.52 - 0.38)/(33 - 20) | 0.0107692 |
| 0.406 (4/7/2022) | 0.38 (10/25/2017) | (0.406 - 0.38)/(34 - 20) | 0.00185714 |
| ND<0.25 U (8/2/2022) | 0.38 (10/25/2017) | (0.25 - 0.38)/(35 - 20) | -0.00866667 |
| 0.294 (11/16/2022) | 0.38 (10/25/2017) | (0.294 - 0.38)/(36 - 20) | -0.005375 |
| 0.351 (2/14/2023) | 0.38 (10/25/2017) | (0.351 - 0.38)/(37 - 20) | -0.00170588 |
| 0.515 (5/25/2023) | 0.38 (10/25/2017) | (0.515 - 0.38)/(38 - 20) | 0.0075 |
| 0.424 (8/7/2023) | 0.38 (10/25/2017) | (0.424 - 0.38)/(39 - 20) | 0.00231579 |
| 0.502 (12/12/2023) | 0.38 (10/25/2017) | (0.502 - 0.38)/(40 - 20) | 0.0061 |
| 0.392 (1/10/2024) | 0.38 (10/25/2017) | (0.392 - 0.38)/(41 - 20) | 0.000571429 |
| 0.545 (5/21/2024) | 0.38 (10/25/2017) | (0.545 - 0.38)/(42 - 20) | 0.0075 |
| 0.784 (9/16/2024) | 0.38 (10/25/2017) | (0.784 - 0.38)/(43 - 20) | 0.0175652 |
| 0.411 (12/11/2024) | 0.38 (10/25/2017) | (0.411 - 0.38)/(44 - 20) | 0.00129167 |
| 0.453 (2/18/2025) | 0.38 (10/25/2017) | (0.453 - 0.38)/(45 - 20) | 0.00292 |
| | | | |
| 0.8 (6/29/2018) | ND<0.25 U (3/28/2018) | (0.8 - 0.25)/(22 - 21) | 0.55 |
| 0.981 (8/2/2018) | ND<0.25 U (3/28/2018) | (0.981 - 0.25)/(23 - 21) | 0.3655 |
| 0.433 (12/10/2018) | ND<0.25 U (3/28/2018) | (0.433 - 0.25)/(24 - 21) | 0.061 |
| 0.271 (4/15/2019) | ND<0.25 U (3/28/2018) | (0.271 - 0.25)/(25 - 21) | 0.00525 |
| ND<0.25 U (6/12/2019) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(26 - 21) | 0 |
| 0.389 (8/27/2019) | ND<0.25 U (3/28/2018) | (0.389 - 0.25)/(27 - 21) | 0.0231667 |
| 0.39 (10/29/2019) | ND<0.25 U (3/28/2018) | (0.39 - 0.25)/(28 - 21) | 0.02 |
| 0.657 (3/30/2020) | ND<0.25 U (3/28/2018) | (0.657 - 0.25)/(29 - 21) | 0.050875 |
| 0.466 (6/16/2020) | ND<0.25 U (3/28/2018) | (0.466 - 0.25)/(30 - 21) | 0.024 |
| 0.66 (9/21/2020) | ND<0.25 U (3/28/2018) | (0.66 - 0.25)/(31 - 21) | 0.041 |
| 1.24 (9/2/2021) | ND<0.25 U (3/28/2018) | (1.24 - 0.25)/(32 - 21) | 0.09 |
| 0.52 (1/11/2022) | ND<0.25 U (3/28/2018) | (0.52 - 0.25)/(33 - 21) | 0.0225 |
| 0.406 (4/7/2022) | ND<0.25 U (3/28/2018) | (0.406 - 0.25)/(34 - 21) | 0.012 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (3/28/2018) | (0.25 - 0.25)/(35 - 21) | 0 |
| 0.294 (11/16/2022) | ND<0.25 U (3/28/2018) | (0.294 - 0.25)/(36 - 21) | 0.00293333 |
| 0.351 (2/14/2023) | ND<0.25 U (3/28/2018) | (0.351 - 0.25)/(37 - 21) | 0.0063125 |
| 0.515 (5/25/2023) | ND<0.25 U (3/28/2018) | (0.515 - 0.25)/(38 - 21) | 0.0155882 |
| 0.424 (8/7/2023) | ND<0.25 U (3/28/2018) | (0.424 - 0.25)/(39 - 21) | 0.00966667 |
| 0.502 (12/12/2023) | ND<0.25 U (3/28/2018) | (0.502 - 0.25)/(40 - 21) | 0.0132632 |
| 0.392 (1/10/2024) | ND<0.25 U (3/28/2018) | (0.392 - 0.25)/(41 - 21) | 0.0071 |
| 0.545 (5/21/2024) | ND<0.25 U (3/28/2018) | (0.545 - 0.25)/(42 - 21) | 0.0140476 |
| 0.784 (9/16/2024) | ND<0.25 U (3/28/2018) | (0.784 - 0.25)/(43 - 21) | 0.0242727 |

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|---|---|---|---|
| 0.411 (12/11/2024) | ND<0.25 U (3/28/2018) | (0.411 - 0.25)/(44 - 21) | 0.007 |
| 0.453 (2/18/2025) | ND<0.25 U (3/28/2018) | (0.453 - 0.25)/(45 - 21) | 0.00845833 |
| | | | |
| 0.981 (8/2/2018) | 0.8 (6/29/2018) | (0.981 - 0.8)/(23 - 22) | 0.181 |
| 0.433 (12/10/2018) | 0.8 (6/29/2018) | (0.433 - 0.8)/(24 - 22) | -0.1835 |
| 0.271 (4/15/2019) | 0.8 (6/29/2018) | (0.271 - 0.8)/(25 - 22) | -0.176333 |
| ND<0.25 U (6/12/2019) | 0.8 (6/29/2018) | (0.25 - 0.8)/(26 - 22) | -0.1375 |
| 0.389 (8/27/2019) | 0.8 (6/29/2018) | (0.389 - 0.8)/(27 - 22) | -0.0822 |
| 0.39 (10/29/2019) | 0.8 (6/29/2018) | (0.39 - 0.8)/(28 - 22) | -0.0683333 |
| 0.657 (3/30/2020) | 0.8 (6/29/2018) | (0.657 - 0.8)/(29 - 22) | -0.0204286 |
| 0.466 (6/16/2020) | 0.8 (6/29/2018) | (0.466 - 0.8)/(30 - 22) | -0.04175 |
| 0.66 (9/21/2020) | 0.8 (6/29/2018) | (0.66 - 0.8)/(31 - 22) | -0.0155556 |
| 1.24 (9/2/2021) | 0.8 (6/29/2018) | (1.24 - 0.8)/(32 - 22) | 0.044 |
| 0.52 (1/11/2022) | 0.8 (6/29/2018) | (0.52 - 0.8)/(33 - 22) | -0.0254545 |
| 0.406 (4/7/2022) | 0.8 (6/29/2018) | (0.406 - 0.8)/(34 - 22) | -0.0328333 |
| ND<0.25 U (8/2/2022) | 0.8 (6/29/2018) | (0.25 - 0.8)/(35 - 22) | -0.0423077 |
| 0.294 (11/16/2022) | 0.8 (6/29/2018) | (0.294 - 0.8)/(36 - 22) | -0.0361429 |
| 0.351 (2/14/2023) | 0.8 (6/29/2018) | (0.351 - 0.8)/(37 - 22) | -0.0299333 |
| 0.515 (5/25/2023) | 0.8 (6/29/2018) | (0.515 - 0.8)/(38 - 22) | -0.0178125 |
| 0.424 (8/7/2023) | 0.8 (6/29/2018) | (0.424 - 0.8)/(39 - 22) | -0.0221176 |
| 0.502 (12/12/2023) | 0.8 (6/29/2018) | (0.502 - 0.8)/(40 - 22) | -0.0165556 |
| 0.392 (1/10/2024) | 0.8 (6/29/2018) | (0.392 - 0.8)/(41 - 22) | -0.0214737 |
| 0.545 (5/21/2024) | 0.8 (6/29/2018) | (0.545 - 0.8)/(42 - 22) | -0.01275 |
| 0.784 (9/16/2024) | 0.8 (6/29/2018) | (0.784 - 0.8)/(43 - 22) | -0.000761905 |
| 0.411 (12/11/2024) | 0.8 (6/29/2018) | (0.411 - 0.8)/(44 - 22) | -0.0176818 |
| 0.453 (2/18/2025) | 0.8 (6/29/2018) | (0.453 - 0.8)/(45 - 22) | -0.015087 |
| | | | |
| 0.433 (12/10/2018) | 0.981 (8/2/2018) | (0.433 - 0.981)/(24 - 23) | -0.548 |
| 0.271 (4/15/2019) | 0.981 (8/2/2018) | (0.271 - 0.981)/(25 - 23) | -0.355 |
| ND<0.25 U (6/12/2019) | 0.981 (8/2/2018) | (0.25 - 0.981)/(26 - 23) | -0.243667 |
| 0.389 (8/27/2019) | 0.981 (8/2/2018) | (0.389 - 0.981)/(27 - 23) | -0.148 |
| 0.39 (10/29/2019) | 0.981 (8/2/2018) | (0.39 - 0.981)/(28 - 23) | -0.1182 |
| 0.657 (3/30/2020) | 0.981 (8/2/2018) | (0.657 - 0.981)/(29 - 23) | -0.054 |
| 0.466 (6/16/2020) | 0.981 (8/2/2018) | (0.466 - 0.981)/(30 - 23) | -0.0735714 |
| 0.66 (9/21/2020) | 0.981 (8/2/2018) | (0.66 - 0.981)/(31 - 23) | -0.040125 |
| 1.24 (9/2/2021) | 0.981 (8/2/2018) | (1.24 - 0.981)/(32 - 23) | 0.0287778 |
| 0.52 (1/11/2022) | 0.981 (8/2/2018) | (0.52 - 0.981)/(33 - 23) | -0.0461 |
| 0.406 (4/7/2022) | 0.981 (8/2/2018) | (0.406 - 0.981)/(34 - 23) | -0.0522727 |
| ND<0.25 U (8/2/2022) | 0.981 (8/2/2018) | (0.25 - 0.981)/(35 - 23) | -0.0609167 |
| 0.294 (11/16/2022) | 0.981 (8/2/2018) | (0.294 - 0.981)/(36 - 23) | -0.0528462 |
| 0.351 (2/14/2023) | 0.981 (8/2/2018) | (0.351 - 0.981)/(37 - 23) | -0.045 |
| 0.515 (5/25/2023) | 0.981 (8/2/2018) | (0.515 - 0.981)/(38 - 23) | -0.0310667 |
| 0.424 (8/7/2023) | 0.981 (8/2/2018) | (0.424 - 0.981)/(39 - 23) | -0.0348125 |
| 0.502 (12/12/2023) | 0.981 (8/2/2018) | (0.502 - 0.981)/(40 - 23) | -0.0281765 |
| 0.392 (1/10/2024) | 0.981 (8/2/2018) | (0.392 - 0.981)/(41 - 23) | -0.0327222 |
| 0.545 (5/21/2024) | 0.981 (8/2/2018) | (0.545 - 0.981)/(42 - 23) | -0.0229474 |
| 0.784 (9/16/2024) | 0.981 (8/2/2018) | (0.784 - 0.981)/(43 - 23) | -0.00985 |
| 0.411 (12/11/2024) | 0.981 (8/2/2018) | (0.411 - 0.981)/(44 - 23) | -0.0271429 |
| 0.453 (2/18/2025) | 0.981 (8/2/2018) | (0.453 - 0.981)/(45 - 23) | -0.024 |
| | | | |
| 0.271 (4/15/2019) | 0.433 (12/10/2018) | (0.271 - 0.433)/(25 - 24) | -0.162 |
| ND<0.25 U (6/12/2019) | 0.433 (12/10/2018) | (0.25 - 0.433)/(26 - 24) | -0.0915 |
| 0.389 (8/27/2019) | 0.433 (12/10/2018) | (0.389 - 0.433)/(27 - 24) | -0.0146667 |
| 0.39 (10/29/2019) | 0.433 (12/10/2018) | (0.39 - 0.433)/(28 - 24) | -0.01075 |
| 0.657 (3/30/2020) | 0.433 (12/10/2018) | (0.657 - 0.433)/(29 - 24) | 0.0448 |
| 0.466 (6/16/2020) | 0.433 (12/10/2018) | (0.466 - 0.433)/(30 - 24) | 0.0055 |
| 0.66 (9/21/2020) | 0.433 (12/10/2018) | (0.66 - 0.433)/(31 - 24) | 0.0324286 |

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|---|---|---|---|
| 1.24 (9/2/2021) | 0.433 (12/10/2018) | (1.24 - 0.433)/(32 - 24) | 0.100875 |
| 0.52 (1/11/2022) | 0.433 (12/10/2018) | (0.52 - 0.433)/(33 - 24) | 0.00966667 |
| 0.406 (4/7/2022) | 0.433 (12/10/2018) | (0.406 - 0.433)/(34 - 24) | -0.0027 |
| ND<0.25 U (8/2/2022) | 0.433 (12/10/2018) | (0.25 - 0.433)/(35 - 24) | -0.0166364 |
| 0.294 (11/16/2022) | 0.433 (12/10/2018) | (0.294 - 0.433)/(36 - 24) | -0.0115833 |
| 0.351 (2/14/2023) | 0.433 (12/10/2018) | (0.351 - 0.433)/(37 - 24) | -0.00630769 |
| 0.515 (5/25/2023) | 0.433 (12/10/2018) | (0.515 - 0.433)/(38 - 24) | 0.00585714 |
| 0.424 (8/7/2023) | 0.433 (12/10/2018) | (0.424 - 0.433)/(39 - 24) | -0.0006 |
| 0.502 (12/12/2023) | 0.433 (12/10/2018) | (0.502 - 0.433)/(40 - 24) | 0.0043125 |
| 0.392 (1/10/2024) | 0.433 (12/10/2018) | (0.392 - 0.433)/(41 - 24) | -0.00241176 |
| 0.545 (5/21/2024) | 0.433 (12/10/2018) | (0.545 - 0.433)/(42 - 24) | 0.00622222 |
| 0.784 (9/16/2024) | 0.433 (12/10/2018) | (0.784 - 0.433)/(43 - 24) | 0.0184737 |
| 0.411 (12/11/2024) | 0.433 (12/10/2018) | (0.411 - 0.433)/(44 - 24) | -0.0011 |
| 0.453 (2/18/2025) | 0.433 (12/10/2018) | (0.453 - 0.433)/(45 - 24) | 0.000952381 |
| | | | |
| ND<0.25 U (6/12/2019) | 0.271 (4/15/2019) | (0.25 - 0.271)/(26 - 25) | -0.021 |
| 0.389 (8/27/2019) | 0.271 (4/15/2019) | (0.389 - 0.271)/(27 - 25) | 0.059 |
| 0.39 (10/29/2019) | 0.271 (4/15/2019) | (0.39 - 0.271)/(28 - 25) | 0.0396667 |
| 0.657 (3/30/2020) | 0.271 (4/15/2019) | (0.657 - 0.271)/(29 - 25) | 0.0965 |
| 0.466 (6/16/2020) | 0.271 (4/15/2019) | (0.466 - 0.271)/(30 - 25) | 0.039 |
| 0.66 (9/21/2020) | 0.271 (4/15/2019) | (0.66 - 0.271)/(31 - 25) | 0.0648333 |
| 1.24 (9/2/2021) | 0.271 (4/15/2019) | (1.24 - 0.271)/(32 - 25) | 0.138429 |
| 0.52 (1/11/2022) | 0.271 (4/15/2019) | (0.52 - 0.271)/(33 - 25) | 0.031125 |
| 0.406 (4/7/2022) | 0.271 (4/15/2019) | (0.406 - 0.271)/(34 - 25) | 0.015 |
| ND<0.25 U (8/2/2022) | 0.271 (4/15/2019) | (0.25 - 0.271)/(35 - 25) | -0.0021 |
| 0.294 (11/16/2022) | 0.271 (4/15/2019) | (0.294 - 0.271)/(36 - 25) | 0.00209091 |
| 0.351 (2/14/2023) | 0.271 (4/15/2019) | (0.351 - 0.271)/(37 - 25) | 0.00666667 |
| 0.515 (5/25/2023) | 0.271 (4/15/2019) | (0.515 - 0.271)/(38 - 25) | 0.0187692 |
| 0.424 (8/7/2023) | 0.271 (4/15/2019) | (0.424 - 0.271)/(39 - 25) | 0.0109286 |
| 0.502 (12/12/2023) | 0.271 (4/15/2019) | (0.502 - 0.271)/(40 - 25) | 0.0154 |
| 0.392 (1/10/2024) | 0.271 (4/15/2019) | (0.392 - 0.271)/(41 - 25) | 0.0075625 |
| 0.545 (5/21/2024) | 0.271 (4/15/2019) | (0.545 - 0.271)/(42 - 25) | 0.0161176 |
| 0.784 (9/16/2024) | 0.271 (4/15/2019) | (0.784 - 0.271)/(43 - 25) | 0.0285 |
| 0.411 (12/11/2024) | 0.271 (4/15/2019) | (0.411 - 0.271)/(44 - 25) | 0.00736842 |
| 0.453 (2/18/2025) | 0.271 (4/15/2019) | (0.453 - 0.271)/(45 - 25) | 0.0091 |
| | | | |
| 0.389 (8/27/2019) | ND<0.25 U (6/12/2019) | (0.389 - 0.25)/(27 - 26) | 0.139 |
| 0.39 (10/29/2019) | ND<0.25 U (6/12/2019) | (0.39 - 0.25)/(28 - 26) | 0.07 |
| 0.657 (3/30/2020) | ND<0.25 U (6/12/2019) | (0.657 - 0.25)/(29 - 26) | 0.135667 |
| 0.466 (6/16/2020) | ND<0.25 U (6/12/2019) | (0.466 - 0.25)/(30 - 26) | 0.054 |
| 0.66 (9/21/2020) | ND<0.25 U (6/12/2019) | (0.66 - 0.25)/(31 - 26) | 0.082 |
| 1.24 (9/2/2021) | ND<0.25 U (6/12/2019) | (1.24 - 0.25)/(32 - 26) | 0.165 |
| 0.52 (1/11/2022) | ND<0.25 U (6/12/2019) | (0.52 - 0.25)/(33 - 26) | 0.0385714 |
| 0.406 (4/7/2022) | ND<0.25 U (6/12/2019) | (0.406 - 0.25)/(34 - 26) | 0.0195 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (6/12/2019) | (0.25 - 0.25)/(35 - 26) | 0 |
| 0.294 (11/16/2022) | ND<0.25 U (6/12/2019) | (0.294 - 0.25)/(36 - 26) | 0.0044 |
| 0.351 (2/14/2023) | ND<0.25 U (6/12/2019) | (0.351 - 0.25)/(37 - 26) | 0.00918182 |
| 0.515 (5/25/2023) | ND<0.25 U (6/12/2019) | (0.515 - 0.25)/(38 - 26) | 0.0220833 |
| 0.424 (8/7/2023) | ND<0.25 U (6/12/2019) | (0.424 - 0.25)/(39 - 26) | 0.0133846 |
| 0.502 (12/12/2023) | ND<0.25 U (6/12/2019) | (0.502 - 0.25)/(40 - 26) | 0.018 |
| 0.392 (1/10/2024) | ND<0.25 U (6/12/2019) | (0.392 - 0.25)/(41 - 26) | 0.00946667 |
| 0.545 (5/21/2024) | ND<0.25 U (6/12/2019) | (0.545 - 0.25)/(42 - 26) | 0.0184375 |
| 0.784 (9/16/2024) | ND<0.25 U (6/12/2019) | (0.784 - 0.25)/(43 - 26) | 0.0314118 |
| 0.411 (12/11/2024) | ND<0.25 U (6/12/2019) | (0.411 - 0.25)/(44 - 26) | 0.00894444 |
| 0.453 (2/18/2025) | ND<0.25 U (6/12/2019) | (0.453 - 0.25)/(45 - 26) | 0.0106842 |
| | | | |
| 0.39 (10/29/2019) | 0.389 (8/27/2019) | (0.39 - 0.389)/(28 - 27) | 0.001 |

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|---|---|---|---|
| 0.657 (3/30/2020) | 0.389 (8/27/2019) | (0.657 - 0.389)/(29 - 27) | 0.134 |
| 0.466 (6/16/2020) | 0.389 (8/27/2019) | (0.466 - 0.389)/(30 - 27) | 0.0256667 |
| 0.66 (9/21/2020) | 0.389 (8/27/2019) | (0.66 - 0.389)/(31 - 27) | 0.06775 |
| 1.24 (9/2/2021) | 0.389 (8/27/2019) | (1.24 - 0.389)/(32 - 27) | 0.1702 |
| 0.52 (1/11/2022) | 0.389 (8/27/2019) | (0.52 - 0.389)/(33 - 27) | 0.0218333 |
| 0.406 (4/7/2022) | 0.389 (8/27/2019) | (0.406 - 0.389)/(34 - 27) | 0.00242857 |
| ND<0.25 U (8/2/2022) | 0.389 (8/27/2019) | (0.25 - 0.389)/(35 - 27) | -0.017375 |
| 0.294 (11/16/2022) | 0.389 (8/27/2019) | (0.294 - 0.389)/(36 - 27) | -0.0105556 |
| 0.351 (2/14/2023) | 0.389 (8/27/2019) | (0.351 - 0.389)/(37 - 27) | -0.0038 |
| 0.515 (5/25/2023) | 0.389 (8/27/2019) | (0.515 - 0.389)/(38 - 27) | 0.0114545 |
| 0.424 (8/7/2023) | 0.389 (8/27/2019) | (0.424 - 0.389)/(39 - 27) | 0.00291667 |
| 0.502 (12/12/2023) | 0.389 (8/27/2019) | (0.502 - 0.389)/(40 - 27) | 0.00869231 |
| 0.392 (1/10/2024) | 0.389 (8/27/2019) | (0.392 - 0.389)/(41 - 27) | 0.000214286 |
| 0.545 (5/21/2024) | 0.389 (8/27/2019) | (0.545 - 0.389)/(42 - 27) | 0.0104 |
| 0.784 (9/16/2024) | 0.389 (8/27/2019) | (0.784 - 0.389)/(43 - 27) | 0.0246875 |
| 0.411 (12/11/2024) | 0.389 (8/27/2019) | (0.411 - 0.389)/(44 - 27) | 0.00129412 |
| 0.453 (2/18/2025) | 0.389 (8/27/2019) | (0.453 - 0.389)/(45 - 27) | 0.00355556 |

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|---|---|---|---|
| 0.657 (3/30/2020) | 0.39 (10/29/2019) | (0.657 - 0.39)/(29 - 28) | 0.267 |
| 0.466 (6/16/2020) | 0.39 (10/29/2019) | (0.466 - 0.39)/(30 - 28) | 0.038 |
| 0.66 (9/21/2020) | 0.39 (10/29/2019) | (0.66 - 0.39)/(31 - 28) | 0.09 |
| 1.24 (9/2/2021) | 0.39 (10/29/2019) | (1.24 - 0.39)/(32 - 28) | 0.2125 |
| 0.52 (1/11/2022) | 0.39 (10/29/2019) | (0.52 - 0.39)/(33 - 28) | 0.026 |
| 0.406 (4/7/2022) | 0.39 (10/29/2019) | (0.406 - 0.39)/(34 - 28) | 0.00266667 |
| ND<0.25 U (8/2/2022) | 0.39 (10/29/2019) | (0.25 - 0.39)/(35 - 28) | -0.02 |
| 0.294 (11/16/2022) | 0.39 (10/29/2019) | (0.294 - 0.39)/(36 - 28) | -0.012 |
| 0.351 (2/14/2023) | 0.39 (10/29/2019) | (0.351 - 0.39)/(37 - 28) | -0.00433333 |
| 0.515 (5/25/2023) | 0.39 (10/29/2019) | (0.515 - 0.39)/(38 - 28) | 0.0125 |
| 0.424 (8/7/2023) | 0.39 (10/29/2019) | (0.424 - 0.39)/(39 - 28) | 0.00309091 |
| 0.502 (12/12/2023) | 0.39 (10/29/2019) | (0.502 - 0.39)/(40 - 28) | 0.00933333 |
| 0.392 (1/10/2024) | 0.39 (10/29/2019) | (0.392 - 0.39)/(41 - 28) | 0.000153846 |
| 0.545 (5/21/2024) | 0.39 (10/29/2019) | (0.545 - 0.39)/(42 - 28) | 0.0110714 |
| 0.784 (9/16/2024) | 0.39 (10/29/2019) | (0.784 - 0.39)/(43 - 28) | 0.0262667 |
| 0.411 (12/11/2024) | 0.39 (10/29/2019) | (0.411 - 0.39)/(44 - 28) | 0.0013125 |
| 0.453 (2/18/2025) | 0.39 (10/29/2019) | (0.453 - 0.39)/(45 - 28) | 0.00370588 |

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|---|---|---|---|
| 0.466 (6/16/2020) | 0.657 (3/30/2020) | (0.466 - 0.657)/(30 - 29) | -0.191 |
| 0.66 (9/21/2020) | 0.657 (3/30/2020) | (0.66 - 0.657)/(31 - 29) | 0.0015 |
| 1.24 (9/2/2021) | 0.657 (3/30/2020) | (1.24 - 0.657)/(32 - 29) | 0.194333 |
| 0.52 (1/11/2022) | 0.657 (3/30/2020) | (0.52 - 0.657)/(33 - 29) | -0.03425 |
| 0.406 (4/7/2022) | 0.657 (3/30/2020) | (0.406 - 0.657)/(34 - 29) | -0.0502 |
| ND<0.25 U (8/2/2022) | 0.657 (3/30/2020) | (0.25 - 0.657)/(35 - 29) | -0.0678333 |
| 0.294 (11/16/2022) | 0.657 (3/30/2020) | (0.294 - 0.657)/(36 - 29) | -0.0518571 |
| 0.351 (2/14/2023) | 0.657 (3/30/2020) | (0.351 - 0.657)/(37 - 29) | -0.03825 |
| 0.515 (5/25/2023) | 0.657 (3/30/2020) | (0.515 - 0.657)/(38 - 29) | -0.0157778 |
| 0.424 (8/7/2023) | 0.657 (3/30/2020) | (0.424 - 0.657)/(39 - 29) | -0.0233 |
| 0.502 (12/12/2023) | 0.657 (3/30/2020) | (0.502 - 0.657)/(40 - 29) | -0.0140909 |
| 0.392 (1/10/2024) | 0.657 (3/30/2020) | (0.392 - 0.657)/(41 - 29) | -0.0220833 |
| 0.545 (5/21/2024) | 0.657 (3/30/2020) | (0.545 - 0.657)/(42 - 29) | -0.00861538 |
| 0.784 (9/16/2024) | 0.657 (3/30/2020) | (0.784 - 0.657)/(43 - 29) | 0.00907143 |
| 0.411 (12/11/2024) | 0.657 (3/30/2020) | (0.411 - 0.657)/(44 - 29) | -0.0164 |
| 0.453 (2/18/2025) | 0.657 (3/30/2020) | (0.453 - 0.657)/(45 - 29) | -0.01275 |

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|---|---|---|---|
| 0.66 (9/21/2020) | 0.466 (6/16/2020) | (0.66 - 0.466)/(31 - 30) | 0.194 |
| 1.24 (9/2/2021) | 0.466 (6/16/2020) | (1.24 - 0.466)/(32 - 30) | 0.387 |
| 0.52 (1/11/2022) | 0.466 (6/16/2020) | (0.52 - 0.466)/(33 - 30) | 0.018 |
| 0.406 (4/7/2022) | 0.466 (6/16/2020) | (0.406 - 0.466)/(34 - 30) | -0.015 |

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|---|---|---|---|
| ND<0.25 U (8/2/2022) | 0.466 (6/16/2020) | (0.25 - 0.466)/(35 - 30) | -0.0432 |
| 0.294 (11/16/2022) | 0.466 (6/16/2020) | (0.294 - 0.466)/(36 - 30) | -0.0286667 |
| 0.351 (2/14/2023) | 0.466 (6/16/2020) | (0.351 - 0.466)/(37 - 30) | -0.0164286 |
| 0.515 (5/25/2023) | 0.466 (6/16/2020) | (0.515 - 0.466)/(38 - 30) | 0.006125 |
| 0.424 (8/7/2023) | 0.466 (6/16/2020) | (0.424 - 0.466)/(39 - 30) | -0.00466667 |
| 0.502 (12/12/2023) | 0.466 (6/16/2020) | (0.502 - 0.466)/(40 - 30) | 0.0036 |
| 0.392 (1/10/2024) | 0.466 (6/16/2020) | (0.392 - 0.466)/(41 - 30) | -0.00672727 |
| 0.545 (5/21/2024) | 0.466 (6/16/2020) | (0.545 - 0.466)/(42 - 30) | 0.00658333 |
| 0.784 (9/16/2024) | 0.466 (6/16/2020) | (0.784 - 0.466)/(43 - 30) | 0.0244615 |
| 0.411 (12/11/2024) | 0.466 (6/16/2020) | (0.411 - 0.466)/(44 - 30) | -0.00392857 |
| 0.453 (2/18/2025) | 0.466 (6/16/2020) | (0.453 - 0.466)/(45 - 30) | -0.000866667 |
| | | | |
| 1.24 (9/2/2021) | 0.66 (9/21/2020) | (1.24 - 0.66)/(32 - 31) | 0.58 |
| 0.52 (1/11/2022) | 0.66 (9/21/2020) | (0.52 - 0.66)/(33 - 31) | -0.07 |
| 0.406 (4/7/2022) | 0.66 (9/21/2020) | (0.406 - 0.66)/(34 - 31) | -0.0846667 |
| ND<0.25 U (8/2/2022) | 0.66 (9/21/2020) | (0.25 - 0.66)/(35 - 31) | -0.1025 |
| 0.294 (11/16/2022) | 0.66 (9/21/2020) | (0.294 - 0.66)/(36 - 31) | -0.0732 |
| 0.351 (2/14/2023) | 0.66 (9/21/2020) | (0.351 - 0.66)/(37 - 31) | -0.0515 |
| 0.515 (5/25/2023) | 0.66 (9/21/2020) | (0.515 - 0.66)/(38 - 31) | -0.0207143 |
| 0.424 (8/7/2023) | 0.66 (9/21/2020) | (0.424 - 0.66)/(39 - 31) | -0.0295 |
| 0.502 (12/12/2023) | 0.66 (9/21/2020) | (0.502 - 0.66)/(40 - 31) | -0.0175556 |
| 0.392 (1/10/2024) | 0.66 (9/21/2020) | (0.392 - 0.66)/(41 - 31) | -0.0268 |
| 0.545 (5/21/2024) | 0.66 (9/21/2020) | (0.545 - 0.66)/(42 - 31) | -0.0104545 |
| 0.784 (9/16/2024) | 0.66 (9/21/2020) | (0.784 - 0.66)/(43 - 31) | 0.0103333 |
| 0.411 (12/11/2024) | 0.66 (9/21/2020) | (0.411 - 0.66)/(44 - 31) | -0.0191538 |
| 0.453 (2/18/2025) | 0.66 (9/21/2020) | (0.453 - 0.66)/(45 - 31) | -0.0147857 |
| | | | |
| 0.52 (1/11/2022) | 1.24 (9/2/2021) | (0.52 - 1.24)/(33 - 32) | -0.72 |
| 0.406 (4/7/2022) | 1.24 (9/2/2021) | (0.406 - 1.24)/(34 - 32) | -0.417 |
| ND<0.25 U (8/2/2022) | 1.24 (9/2/2021) | (0.25 - 1.24)/(35 - 32) | -0.33 |
| 0.294 (11/16/2022) | 1.24 (9/2/2021) | (0.294 - 1.24)/(36 - 32) | -0.2365 |
| 0.351 (2/14/2023) | 1.24 (9/2/2021) | (0.351 - 1.24)/(37 - 32) | -0.1778 |
| 0.515 (5/25/2023) | 1.24 (9/2/2021) | (0.515 - 1.24)/(38 - 32) | -0.120833 |
| 0.424 (8/7/2023) | 1.24 (9/2/2021) | (0.424 - 1.24)/(39 - 32) | -0.116571 |
| 0.502 (12/12/2023) | 1.24 (9/2/2021) | (0.502 - 1.24)/(40 - 32) | -0.09225 |
| 0.392 (1/10/2024) | 1.24 (9/2/2021) | (0.392 - 1.24)/(41 - 32) | -0.0942222 |
| 0.545 (5/21/2024) | 1.24 (9/2/2021) | (0.545 - 1.24)/(42 - 32) | -0.0695 |
| 0.784 (9/16/2024) | 1.24 (9/2/2021) | (0.784 - 1.24)/(43 - 32) | -0.0414545 |
| 0.411 (12/11/2024) | 1.24 (9/2/2021) | (0.411 - 1.24)/(44 - 32) | -0.0690833 |
| 0.453 (2/18/2025) | 1.24 (9/2/2021) | (0.453 - 1.24)/(45 - 32) | -0.0605385 |
| | | | |
| 0.406 (4/7/2022) | 0.52 (1/11/2022) | (0.406 - 0.52)/(34 - 33) | -0.114 |
| ND<0.25 U (8/2/2022) | 0.52 (1/11/2022) | (0.25 - 0.52)/(35 - 33) | -0.135 |
| 0.294 (11/16/2022) | 0.52 (1/11/2022) | (0.294 - 0.52)/(36 - 33) | -0.0753333 |
| 0.351 (2/14/2023) | 0.52 (1/11/2022) | (0.351 - 0.52)/(37 - 33) | -0.04225 |
| 0.515 (5/25/2023) | 0.52 (1/11/2022) | (0.515 - 0.52)/(38 - 33) | -0.001 |
| 0.424 (8/7/2023) | 0.52 (1/11/2022) | (0.424 - 0.52)/(39 - 33) | -0.016 |
| 0.502 (12/12/2023) | 0.52 (1/11/2022) | (0.502 - 0.52)/(40 - 33) | -0.00257143 |
| 0.392 (1/10/2024) | 0.52 (1/11/2022) | (0.392 - 0.52)/(41 - 33) | -0.016 |
| 0.545 (5/21/2024) | 0.52 (1/11/2022) | (0.545 - 0.52)/(42 - 33) | 0.00277778 |
| 0.784 (9/16/2024) | 0.52 (1/11/2022) | (0.784 - 0.52)/(43 - 33) | 0.0264 |
| 0.411 (12/11/2024) | 0.52 (1/11/2022) | (0.411 - 0.52)/(44 - 33) | -0.00990909 |
| 0.453 (2/18/2025) | 0.52 (1/11/2022) | (0.453 - 0.52)/(45 - 33) | -0.00558333 |
| | | | |
| ND<0.25 U (8/2/2022) | 0.406 (4/7/2022) | (0.25 - 0.406)/(35 - 34) | -0.156 |
| 0.294 (11/16/2022) | 0.406 (4/7/2022) | (0.294 - 0.406)/(36 - 34) | -0.056 |
| 0.351 (2/14/2023) | 0.406 (4/7/2022) | (0.351 - 0.406)/(37 - 34) | -0.0183333 |

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|---|---|---|---|
| 0.515 (5/25/2023) | 0.406 (4/7/2022) | (0.515 - 0.406)/(38 - 34) | 0.02725 |
| 0.424 (8/7/2023) | 0.406 (4/7/2022) | (0.424 - 0.406)/(39 - 34) | 0.0036 |
| 0.502 (12/12/2023) | 0.406 (4/7/2022) | (0.502 - 0.406)/(40 - 34) | 0.016 |
| 0.392 (1/10/2024) | 0.406 (4/7/2022) | (0.392 - 0.406)/(41 - 34) | -0.002 |
| 0.545 (5/21/2024) | 0.406 (4/7/2022) | (0.545 - 0.406)/(42 - 34) | 0.017375 |
| 0.784 (9/16/2024) | 0.406 (4/7/2022) | (0.784 - 0.406)/(43 - 34) | 0.042 |
| 0.411 (12/11/2024) | 0.406 (4/7/2022) | (0.411 - 0.406)/(44 - 34) | 0.0005 |
| 0.453 (2/18/2025) | 0.406 (4/7/2022) | (0.453 - 0.406)/(45 - 34) | 0.00427273 |
| | | | |
| 0.294 (11/16/2022) | ND<0.25 U (8/2/2022) | (0.294 - 0.25)/(36 - 35) | 0.044 |
| 0.351 (2/14/2023) | ND<0.25 U (8/2/2022) | (0.351 - 0.25)/(37 - 35) | 0.0505 |
| 0.515 (5/25/2023) | ND<0.25 U (8/2/2022) | (0.515 - 0.25)/(38 - 35) | 0.0883333 |
| 0.424 (8/7/2023) | ND<0.25 U (8/2/2022) | (0.424 - 0.25)/(39 - 35) | 0.0435 |
| 0.502 (12/12/2023) | ND<0.25 U (8/2/2022) | (0.502 - 0.25)/(40 - 35) | 0.0504 |
| 0.392 (1/10/2024) | ND<0.25 U (8/2/2022) | (0.392 - 0.25)/(41 - 35) | 0.0236667 |
| 0.545 (5/21/2024) | ND<0.25 U (8/2/2022) | (0.545 - 0.25)/(42 - 35) | 0.0421429 |
| 0.784 (9/16/2024) | ND<0.25 U (8/2/2022) | (0.784 - 0.25)/(43 - 35) | 0.06675 |
| 0.411 (12/11/2024) | ND<0.25 U (8/2/2022) | (0.411 - 0.25)/(44 - 35) | 0.0178889 |
| 0.453 (2/18/2025) | ND<0.25 U (8/2/2022) | (0.453 - 0.25)/(45 - 35) | 0.0203 |
| | | | |
| 0.351 (2/14/2023) | 0.294 (11/16/2022) | (0.351 - 0.294)/(37 - 36) | 0.057 |
| 0.515 (5/25/2023) | 0.294 (11/16/2022) | (0.515 - 0.294)/(38 - 36) | 0.1105 |
| 0.424 (8/7/2023) | 0.294 (11/16/2022) | (0.424 - 0.294)/(39 - 36) | 0.0433333 |
| 0.502 (12/12/2023) | 0.294 (11/16/2022) | (0.502 - 0.294)/(40 - 36) | 0.052 |
| 0.392 (1/10/2024) | 0.294 (11/16/2022) | (0.392 - 0.294)/(41 - 36) | 0.0196 |
| 0.545 (5/21/2024) | 0.294 (11/16/2022) | (0.545 - 0.294)/(42 - 36) | 0.0418333 |
| 0.784 (9/16/2024) | 0.294 (11/16/2022) | (0.784 - 0.294)/(43 - 36) | 0.07 |
| 0.411 (12/11/2024) | 0.294 (11/16/2022) | (0.411 - 0.294)/(44 - 36) | 0.014625 |
| 0.453 (2/18/2025) | 0.294 (11/16/2022) | (0.453 - 0.294)/(45 - 36) | 0.0176667 |
| | | | |
| 0.515 (5/25/2023) | 0.351 (2/14/2023) | (0.515 - 0.351)/(38 - 37) | 0.164 |
| 0.424 (8/7/2023) | 0.351 (2/14/2023) | (0.424 - 0.351)/(39 - 37) | 0.0365 |
| 0.502 (12/12/2023) | 0.351 (2/14/2023) | (0.502 - 0.351)/(40 - 37) | 0.0503333 |
| 0.392 (1/10/2024) | 0.351 (2/14/2023) | (0.392 - 0.351)/(41 - 37) | 0.01025 |
| 0.545 (5/21/2024) | 0.351 (2/14/2023) | (0.545 - 0.351)/(42 - 37) | 0.0388 |
| 0.784 (9/16/2024) | 0.351 (2/14/2023) | (0.784 - 0.351)/(43 - 37) | 0.0721667 |
| 0.411 (12/11/2024) | 0.351 (2/14/2023) | (0.411 - 0.351)/(44 - 37) | 0.00857143 |
| 0.453 (2/18/2025) | 0.351 (2/14/2023) | (0.453 - 0.351)/(45 - 37) | 0.01275 |
| | | | |
| 0.424 (8/7/2023) | 0.515 (5/25/2023) | (0.424 - 0.515)/(39 - 38) | -0.091 |
| 0.502 (12/12/2023) | 0.515 (5/25/2023) | (0.502 - 0.515)/(40 - 38) | -0.0065 |
| 0.392 (1/10/2024) | 0.515 (5/25/2023) | (0.392 - 0.515)/(41 - 38) | -0.041 |
| 0.545 (5/21/2024) | 0.515 (5/25/2023) | (0.545 - 0.515)/(42 - 38) | 0.0075 |
| 0.784 (9/16/2024) | 0.515 (5/25/2023) | (0.784 - 0.515)/(43 - 38) | 0.0538 |
| 0.411 (12/11/2024) | 0.515 (5/25/2023) | (0.411 - 0.515)/(44 - 38) | -0.0173333 |
| 0.453 (2/18/2025) | 0.515 (5/25/2023) | (0.453 - 0.515)/(45 - 38) | -0.00885714 |
| | | | |
| 0.502 (12/12/2023) | 0.424 (8/7/2023) | (0.502 - 0.424)/(40 - 39) | 0.078 |
| 0.392 (1/10/2024) | 0.424 (8/7/2023) | (0.392 - 0.424)/(41 - 39) | -0.016 |
| 0.545 (5/21/2024) | 0.424 (8/7/2023) | (0.545 - 0.424)/(42 - 39) | 0.0403333 |
| 0.784 (9/16/2024) | 0.424 (8/7/2023) | (0.784 - 0.424)/(43 - 39) | 0.09 |
| 0.411 (12/11/2024) | 0.424 (8/7/2023) | (0.411 - 0.424)/(44 - 39) | -0.0026 |
| 0.453 (2/18/2025) | 0.424 (8/7/2023) | (0.453 - 0.424)/(45 - 39) | 0.00483333 |
| | | | |
| 0.392 (1/10/2024) | 0.502 (12/12/2023) | (0.392 - 0.502)/(41 - 40) | -0.11 |
| 0.545 (5/21/2024) | 0.502 (12/12/2023) | (0.545 - 0.502)/(42 - 40) | 0.0215 |
| 0.784 (9/16/2024) | 0.502 (12/12/2023) | (0.784 - 0.502)/(43 - 40) | 0.094 |

| | | | |
|---|---|---|---|
| 0.411 (12/11/2024) | 0.502 (12/12/2023) | (0.411 - 0.502)/(44 - 40) | -0.02275 |
| 0.453 (2/18/2025) | 0.502 (12/12/2023) | (0.453 - 0.502)/(45 - 40) | -0.0098 |
| | | | |
| 0.545 (5/21/2024) | 0.392 (1/10/2024) | (0.545 - 0.392)/(42 - 41) | 0.153 |
| 0.784 (9/16/2024) | 0.392 (1/10/2024) | (0.784 - 0.392)/(43 - 41) | 0.196 |
| 0.411 (12/11/2024) | 0.392 (1/10/2024) | (0.411 - 0.392)/(44 - 41) | 0.00633333 |
| 0.453 (2/18/2025) | 0.392 (1/10/2024) | (0.453 - 0.392)/(45 - 41) | 0.01525 |
| | | | |
| 0.784 (9/16/2024) | 0.545 (5/21/2024) | (0.784 - 0.545)/(43 - 42) | 0.239 |
| 0.411 (12/11/2024) | 0.545 (5/21/2024) | (0.411 - 0.545)/(44 - 42) | -0.067 |
| 0.453 (2/18/2025) | 0.545 (5/21/2024) | (0.453 - 0.545)/(45 - 42) | -0.0306667 |
| | | | |
| 0.411 (12/11/2024) | 0.784 (9/16/2024) | (0.411 - 0.784)/(44 - 43) | -0.373 |
| 0.453 (2/18/2025) | 0.784 (9/16/2024) | (0.453 - 0.784)/(45 - 43) | -0.1655 |
| | | | |
| 0.453 (2/18/2025) | 0.411 (12/11/2024) | (0.453 - 0.411)/(45 - 44) | 0.042 |

Number of Q values = 990

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -1.05 |
| 2 | -0.72 |
| 3 | -0.575 |
| 4 | -0.548 |
| 5 | -0.443333 |
| 6 | -0.417 |
| 7 | -0.41 |
| 8 | -0.373 |
| 9 | -0.355 |
| 10 | -0.35 |
| 11 | -0.33 |
| 12 | -0.306 |
| 13 | -0.243667 |
| 14 | -0.2365 |
| 15 | -0.191 |
| 16 | -0.1835 |
| 17 | -0.18 |
| 18 | -0.1778 |
| 19 | -0.176333 |
| 20 | -0.17 |
| 21 | -0.168375 |
| 22 | -0.167667 |
| 23 | -0.1655 |
| 24 | -0.163333 |
| 25 | -0.162 |
| 26 | -0.16 |
| 27 | -0.16 |
| 28 | -0.156 |
| 29 | -0.153 |
| 30 | -0.148 |
| 31 | -0.146667 |
| 32 | -0.14 |
| 33 | -0.14 |
| 34 | -0.1375 |
| 35 | -0.135 |

| | |
|---|---|
| 36 | -0.13 |
| 37 | -0.126667 |
| 38 | -0.126455 |
| 39 | -0.125 |
| 40 | -0.120833 |
| 41 | -0.12 |
| 42 | -0.1182 |
| 43 | -0.116667 |
| 44 | -0.116571 |
| 45 | -0.115833 |
| 46 | -0.114143 |
| 47 | -0.114 |
| 48 | -0.11 |
| 49 | -0.1025 |
| 50 | -0.1 |
| 51 | -0.1 |
| 52 | -0.1 |
| 53 | -0.1 |
| 54 | -0.0942222 |
| 55 | -0.0938571 |
| 56 | -0.0925 |
| 57 | -0.09225 |
| 58 | -0.0915 |
| 59 | -0.091 |
| 60 | -0.0863846 |
| 61 | -0.085 |
| 62 | -0.0846667 |
| 63 | -0.0822 |
| 64 | -0.082 |
| 65 | -0.0805263 |
| 66 | -0.08 |
| 67 | -0.0763333 |
| 68 | -0.0753333 |
| 69 | -0.0746667 |
| 70 | -0.0743 |
| 71 | -0.0741176 |
| 72 | -0.0735714 |
| 73 | -0.0733333 |
| 74 | -0.0732 |
| 75 | -0.07 |
| 76 | -0.07 |
| 77 | -0.07 |
| 78 | -0.07 |
| 79 | -0.0695 |
| 80 | -0.0690833 |
| 81 | -0.0683333 |
| 82 | -0.0683333 |
| 83 | -0.0680476 |
| 84 | -0.0678333 |
| 85 | -0.067 |
| 86 | -0.0666667 |
| 87 | -0.0628571 |
| 88 | -0.0628571 |
| 89 | -0.0609167 |
| 90 | -0.0605385 |
| 91 | -0.06 |
| 92 | -0.0589565 |

| | |
|---|---|
| 93 | -0.0575 |
| 94 | -0.0575 |
| 95 | -0.057375 |
| 96 | -0.056 |
| 97 | -0.056 |
| 98 | -0.05552 |
| 99 | -0.055 |
| 100 | -0.054 |
| 101 | -0.0533333 |
| 102 | -0.05325 |
| 103 | -0.0528462 |
| 104 | -0.0525 |
| 105 | -0.0522727 |
| 106 | -0.0518571 |
| 107 | -0.0516667 |
| 108 | -0.0515 |
| 109 | -0.0512857 |
| 110 | -0.0502 |
| 111 | -0.0488929 |
| 112 | -0.048 |
| 113 | -0.0475 |
| 114 | -0.0475 |
| 115 | -0.0466667 |
| 116 | -0.04625 |
| 117 | -0.0461 |
| 118 | -0.0457586 |
| 119 | -0.045 |
| 120 | -0.045 |
| 121 | -0.045 |
| 122 | -0.044 |
| 123 | -0.0432 |
| 124 | -0.0424286 |
| 125 | -0.0423077 |
| 126 | -0.04225 |
| 127 | -0.04175 |
| 128 | -0.0414545 |
| 129 | -0.0414286 |
| 130 | -0.0411111 |
| 131 | -0.041 |
| 132 | -0.040125 |
| 133 | -0.04 |
| 134 | -0.04 |
| 135 | -0.04 |
| 136 | -0.04 |
| 137 | -0.03825 |
| 138 | -0.0368889 |
| 139 | -0.0366667 |
| 140 | -0.0361429 |
| 141 | -0.036 |
| 142 | -0.0355556 |
| 143 | -0.035 |
| 144 | -0.0348125 |
| 145 | -0.03425 |
| 146 | -0.0341 |
| 147 | -0.03375 |
| 148 | -0.0328571 |
| 149 | -0.0328333 |

| | |
|---|---|
| 150 | -0.0328333 |
| 151 | -0.0327222 |
| 152 | -0.032 |
| 153 | -0.032 |
| 154 | -0.0311111 |
| 155 | -0.0310667 |
| 156 | -0.0309091 |
| 157 | -0.0306667 |
| 158 | -0.03 |
| 159 | -0.03 |
| 160 | -0.03 |
| 161 | -0.0299333 |
| 162 | -0.0298333 |
| 163 | -0.0295 |
| 164 | -0.0292857 |
| 165 | -0.0289 |
| 166 | -0.02875 |
| 167 | -0.0286667 |
| 168 | -0.0285714 |
| 169 | -0.0285714 |
| 170 | -0.0283333 |
| 171 | -0.0281818 |
| 172 | -0.0281765 |
| 173 | -0.028 |
| 174 | -0.0275 |
| 175 | -0.0275 |
| 176 | -0.0271429 |
| 177 | -0.027 |
| 178 | -0.0268 |
| 179 | -0.0267778 |
| 180 | -0.0266667 |
| 181 | -0.0266667 |
| 182 | -0.0266667 |
| 183 | -0.0254545 |
| 184 | -0.025 |
| 185 | -0.0246154 |
| 186 | -0.024 |
| 187 | -0.024 |
| 188 | -0.0233333 |
| 189 | -0.0233333 |
| 190 | -0.0233 |
| 191 | -0.0231579 |
| 192 | -0.0229474 |
| 193 | -0.0229474 |
| 194 | -0.02275 |
| 195 | -0.0223529 |
| 196 | -0.0221176 |
| 197 | -0.0220833 |
| 198 | -0.022 |
| 199 | -0.022 |
| 200 | -0.0218 |
| 201 | -0.0217647 |
| 202 | -0.0216667 |
| 203 | -0.0216111 |
| 204 | -0.0215789 |
| 205 | -0.0215385 |
| 206 | -0.0214737 |

| | |
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| 207 | -0.021 |
| 208 | -0.0209524 |
| 209 | -0.02095 |
| 210 | -0.0207143 |
| 211 | -0.0206667 |
| 212 | -0.0204286 |
| 213 | -0.0203077 |
| 214 | -0.02 |
| 215 | -0.02 |
| 216 | -0.02 |
| 217 | -0.02 |
| 218 | -0.02 |
| 219 | -0.0191538 |
| 220 | -0.0190588 |
| 221 | -0.01895 |
| 222 | -0.0186667 |
| 223 | -0.0186667 |
| 224 | -0.0183333 |
| 225 | -0.0183333 |
| 226 | -0.0182174 |
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| 228 | -0.018 |
| 229 | -0.0178125 |
| 230 | -0.0176818 |
| 231 | -0.0176 |
| 232 | -0.0175556 |
| 233 | -0.0175 |
| 234 | -0.0175 |
| 235 | -0.0174583 |
| 236 | -0.017375 |
| 237 | -0.0173333 |
| 238 | -0.0172222 |
| 239 | -0.0171429 |
| 240 | -0.0171429 |
| 241 | -0.017 |
| 242 | -0.0168182 |
| 243 | -0.0166667 |
| 244 | -0.0166364 |
| 245 | -0.016619 |
| 246 | -0.0165556 |
| 247 | -0.0164286 |
| 248 | -0.0164 |
| 249 | -0.0163158 |
| 250 | -0.016 |
| 251 | -0.016 |
| 252 | -0.016 |
| 253 | -0.0157778 |
| 254 | -0.0155556 |
| 255 | -0.0155556 |
| 256 | -0.0155 |
| 257 | -0.015087 |
| 258 | -0.015 |
| 259 | -0.015 |
| 260 | -0.015 |
| 261 | -0.0147857 |
| 262 | -0.0146842 |
| 263 | -0.0146667 |

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|---|---|
| 264 | -0.0146667 |
| 265 | -0.0146429 |
| 266 | -0.0145455 |
| 267 | -0.01425 |
| 268 | -0.0141176 |
| 269 | -0.0141111 |
| 270 | -0.0140909 |
| 271 | -0.0140833 |
| 272 | -0.014 |
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| 274 | -0.0139091 |
| 275 | -0.01375 |
| 276 | -0.0136818 |
| 277 | -0.0136667 |
| 278 | -0.0136316 |
| 279 | -0.01355 |
| 280 | -0.0135263 |
| 281 | -0.0133529 |
| 282 | -0.0133333 |
| 283 | -0.0133333 |
| 284 | -0.013125 |
| 285 | -0.0130769 |
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| 287 | -0.013 |
| 288 | -0.0129412 |
| 289 | -0.0128571 |
| 290 | -0.0127742 |
| 291 | -0.01275 |
| 292 | -0.01275 |
| 293 | -0.0126667 |
| 294 | -0.0126207 |
| 295 | -0.0125 |
| 296 | -0.0125 |
| 297 | -0.0125 |
| 298 | -0.0123529 |
| 299 | -0.0121739 |
| 300 | -0.01204 |
| 301 | -0.012 |
| 302 | -0.0119355 |
| 303 | -0.0119333 |
| 304 | -0.0118148 |
| 305 | -0.0118125 |
| 306 | -0.0117727 |
| 307 | -0.0116818 |
| 308 | -0.0116667 |
| 309 | -0.0116471 |
| 310 | -0.0115833 |
| 311 | -0.0115769 |
| 312 | -0.0115385 |
| 313 | -0.0114286 |
| 314 | -0.0113333 |
| 315 | -0.0113333 |
| 316 | -0.0113143 |
| 317 | -0.0111739 |
| 318 | -0.0111111 |
| 319 | -0.01075 |
| 320 | -0.0107143 |

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| 321 | -0.0106429 |
| 322 | -0.0105937 |
| 323 | -0.0105556 |
| 324 | -0.0104545 |
| 325 | -0.0103478 |
| 326 | -0.0103 |
| 327 | -0.0102381 |
| 328 | -0.0101875 |
| 329 | -0.0100435 |
| 330 | -0.01 |
| 331 | -0.01 |
| 332 | -0.01 |
| 333 | -0.00991304 |
| 334 | -0.00990909 |
| 335 | -0.00989286 |
| 336 | -0.00985 |
| 337 | -0.00980952 |
| 338 | -0.0098 |
| 339 | -0.0097931 |
| 340 | -0.00968571 |
| 341 | -0.00965517 |
| 342 | -0.00958333 |
| 343 | -0.0095 |
| 344 | -0.00941667 |
| 345 | -0.00940741 |
| 346 | -0.00935 |
| 347 | -0.00928571 |
| 348 | -0.00917647 |
| 349 | -0.009 |
| 350 | -0.00896 |
| 351 | -0.008875 |
| 352 | -0.00885714 |
| 353 | -0.00882353 |
| 354 | -0.00875 |
| 355 | -0.00866667 |
| 356 | -0.00861538 |
| 357 | -0.00860606 |
| 358 | -0.00843478 |
| 359 | -0.00842308 |
| 360 | -0.00827778 |
| 361 | -0.00815152 |
| 362 | -0.00810526 |
| 363 | -0.00807692 |
| 364 | -0.008 |
| 365 | -0.008 |
| 366 | -0.00788235 |
| 367 | -0.00786667 |
| 368 | -0.00782353 |
| 369 | -0.00772414 |
| 370 | -0.00764103 |
| 371 | -0.007625 |
| 372 | -0.00745 |
| 373 | -0.0074 |
| 374 | -0.007375 |
| 375 | -0.00733333 |
| 376 | -0.00727273 |
| 377 | -0.00718919 |

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| 378 | -0.00715385 |
| 379 | -0.00715152 |
| 380 | -0.00713333 |
| 381 | -0.00708333 |
| 382 | -0.007 |
| 383 | -0.007 |
| 384 | -0.00672973 |
| 385 | -0.00672727 |
| 386 | -0.00671429 |
| 387 | -0.00666667 |
| 388 | -0.00664286 |
| 389 | -0.00655556 |
| 390 | -0.0065 |
| 391 | -0.00648837 |
| 392 | -0.00646154 |
| 393 | -0.00636364 |
| 394 | -0.00630769 |
| 395 | -0.00626667 |
| 396 | -0.00616216 |
| 397 | -0.00615385 |
| 398 | -0.00614815 |
| 399 | -0.00608333 |
| 400 | -0.00607143 |
| 401 | -0.006 |
| 402 | -0.006 |
| 403 | -0.005925 |
| 404 | -0.00592308 |
| 405 | -0.005875 |
| 406 | -0.00581818 |
| 407 | -0.00577419 |
| 408 | -0.00575 |
| 409 | -0.00571429 |
| 410 | -0.00566667 |
| 411 | -0.0056 |
| 412 | -0.0056 |
| 413 | -0.00558333 |
| 414 | -0.00551163 |
| 415 | -0.0055 |
| 416 | -0.00548387 |
| 417 | -0.00545455 |
| 418 | -0.00544737 |
| 419 | -0.00538889 |
| 420 | -0.00538636 |
| 421 | -0.00538462 |
| 422 | -0.005375 |
| 423 | -0.00537143 |
| 424 | -0.0053125 |
| 425 | -0.00530303 |
| 426 | -0.00526471 |
| 427 | -0.005225 |
| 428 | -0.00513793 |
| 429 | -0.00504 |
| 430 | -0.005 |
| 431 | -0.005 |
| 432 | -0.005 |
| 433 | -0.00494737 |
| 434 | -0.00486111 |

| | |
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| 435 | -0.00482051 |
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| 437 | -0.00472973 |
| 438 | -0.00467742 |
| 439 | -0.00466667 |
| 440 | -0.00461905 |
| 441 | -0.00461538 |
| 442 | -0.00444444 |
| 443 | -0.00442857 |
| 444 | -0.00433333 |
| 445 | -0.00407317 |
| 446 | -0.004 |
| 447 | -0.00394444 |
| 448 | -0.00394286 |
| 449 | -0.00392857 |
| 450 | -0.00391892 |
| 451 | -0.00389286 |
| 452 | -0.0038 |
| 453 | -0.00375 |
| 454 | -0.00368421 |
| 455 | -0.00366667 |
| 456 | -0.00363158 |
| 457 | -0.003625 |
| 458 | -0.00358824 |
| 459 | -0.00356667 |
| 460 | -0.00354167 |
| 461 | -0.00353659 |
| 462 | -0.00352941 |
| 463 | -0.00345455 |
| 464 | -0.00344828 |
| 465 | -0.0034 |
| 466 | -0.00333333 |
| 467 | -0.00328571 |
| 468 | -0.00327778 |
| 469 | -0.00321212 |
| 470 | -0.00313158 |
| 471 | -0.00308824 |
| 472 | -0.00294444 |
| 473 | -0.00293333 |
| 474 | -0.00290244 |
| 475 | -0.00272727 |
| 476 | -0.0027 |
| 477 | -0.00266667 |
| 478 | -0.00265385 |
| 479 | -0.00263636 |
| 480 | -0.0026 |
| 481 | -0.00257143 |
| 482 | -0.00241176 |
| 483 | -0.00237037 |
| 484 | -0.00232 |
| 485 | -0.00222222 |
| 486 | -0.00216 |
| 487 | -0.002125 |
| 488 | -0.0021 |
| 489 | -0.002 |
| 490 | -0.00197436 |
| 491 | -0.00197368 |

| | |
|---|---|
| 492 | -0.00195652 |
| 493 | -0.0019375 |
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| 497 | -0.0018 |
| 498 | -0.00176471 |
| 499 | -0.00170588 |
| 500 | -0.00156 |
| 501 | -0.0014 |
| 502 | -0.001375 |
| 503 | -0.0013 |
| 504 | -0.00122222 |
| 505 | -0.00121429 |
| 506 | -0.0012 |
| 507 | -0.00117857 |
| 508 | -0.00115385 |
| 509 | -0.00114706 |
| 510 | -0.0011 |
| 511 | -0.00103448 |
| 512 | -0.001 |
| 513 | -0.001 |
| 514 | -0.001 |
| 515 | -0.000933333 |
| 516 | -0.000896552 |
| 517 | -0.000866667 |
| 518 | -0.000826087 |
| 519 | -0.000823529 |
| 520 | -0.000761905 |
| 521 | -0.000756757 |
| 522 | -0.000608696 |
| 523 | -0.0006 |
| 524 | -0.000555556 |
| 525 | -0.00046875 |
| 526 | -0.000428571 |
| 527 | -0.00037037 |
| 528 | -0.000333333 |
| 529 | -0.000272727 |
| 530 | -0.000194444 |
| 531 | -0.000136364 |
| 532 | 0 |
| 533 | 0 |
| 534 | 0 |
| 535 | 0 |
| 536 | 0 |
| 537 | 0 |
| 538 | 0 |
| 539 | 0 |
| 540 | 0 |
| 541 | 0 |
| 542 | 0 |
| 543 | 0 |
| 544 | 0 |
| 545 | 0 |
| 546 | 0 |
| 547 | 0 |
| 548 | 0 |

| | |
|---|---|
| 549 | 0 |
| 550 | 0 |
| 551 | 0 |
| 552 | 0 |
| 553 | 8.57143e-05 |
| 554 | 0.000115385 |
| 555 | 0.000142857 |
| 556 | 0.000153846 |
| 557 | 0.000214286 |
| 558 | 0.000285714 |
| 559 | 0.000384615 |
| 560 | 0.000416667 |
| 561 | 0.0005 |
| 562 | 0.000571429 |
| 563 | 0.000714286 |
| 564 | 0.0008 |
| 565 | 0.000814815 |
| 566 | 0.000952381 |
| 567 | 0.000970588 |
| 568 | 0.001 |
| 569 | 0.001 |
| 570 | 0.00123529 |
| 571 | 0.00125 |
| 572 | 0.00128571 |
| 573 | 0.00129167 |
| 574 | 0.00129412 |
| 575 | 0.0013125 |
| 576 | 0.00135484 |
| 577 | 0.00136667 |
| 578 | 0.00142857 |
| 579 | 0.00145455 |
| 580 | 0.00146154 |
| 581 | 0.00148 |
| 582 | 0.00148148 |
| 583 | 0.0015 |
| 584 | 0.00157143 |
| 585 | 0.00161538 |
| 586 | 0.00166667 |
| 587 | 0.00173333 |
| 588 | 0.00175 |
| 589 | 0.0018 |
| 590 | 0.00183333 |
| 591 | 0.00185714 |
| 592 | 0.00189655 |
| 593 | 0.00191304 |
| 594 | 0.00207692 |
| 595 | 0.00209091 |
| 596 | 0.00216 |
| 597 | 0.0022381 |
| 598 | 0.00229268 |
| 599 | 0.00230769 |
| 600 | 0.00231579 |
| 601 | 0.00232143 |
| 602 | 0.00242105 |
| 603 | 0.00242857 |
| 604 | 0.00245455 |
| 605 | 0.00247368 |

| | |
|---|---|
| 606 | 0.00247619 |
| 607 | 0.0025 |
| 608 | 0.0025 |
| 609 | 0.0025 |
| 610 | 0.00257576 |
| 611 | 0.00266667 |
| 612 | 0.00266667 |
| 613 | 0.00267742 |
| 614 | 0.00277778 |
| 615 | 0.00282759 |
| 616 | 0.00291667 |
| 617 | 0.00292 |
| 618 | 0.00293333 |
| 619 | 0.00296875 |
| 620 | 0.00304348 |
| 621 | 0.00309091 |
| 622 | 0.00333333 |
| 623 | 0.00333333 |
| 624 | 0.00342105 |
| 625 | 0.00344444 |
| 626 | 0.00348276 |
| 627 | 0.00351852 |
| 628 | 0.00355556 |
| 629 | 0.0036 |
| 630 | 0.0036 |
| 631 | 0.00370588 |
| 632 | 0.00375 |
| 633 | 0.00403226 |
| 634 | 0.00404 |
| 635 | 0.00413043 |
| 636 | 0.00420513 |
| 637 | 0.00420833 |
| 638 | 0.00427273 |
| 639 | 0.00430303 |
| 640 | 0.0043125 |
| 641 | 0.0044 |
| 642 | 0.00447222 |
| 643 | 0.00454545 |
| 644 | 0.00464286 |
| 645 | 0.00483333 |
| 646 | 0.00488462 |
| 647 | 0.00489655 |
| 648 | 0.005 |
| 649 | 0.00503125 |
| 650 | 0.00507143 |
| 651 | 0.00507692 |
| 652 | 0.00519355 |
| 653 | 0.0052 |
| 654 | 0.0052381 |
| 655 | 0.00525 |
| 656 | 0.00548649 |
| 657 | 0.0055 |
| 658 | 0.0055 |
| 659 | 0.00552174 |
| 660 | 0.0056129 |
| 661 | 0.00585714 |
| 662 | 0.006 |

| | |
|---|---|
| 663 | 0.006 |
| 664 | 0.00604167 |
| 665 | 0.0061 |
| 666 | 0.006125 |
| 667 | 0.00615152 |
| 668 | 0.00616 |
| 669 | 0.00622222 |
| 670 | 0.00625 |
| 671 | 0.00625 |
| 672 | 0.0063 |
| 673 | 0.0063125 |
| 674 | 0.00633333 |
| 675 | 0.00634375 |
| 676 | 0.00635 |
| 677 | 0.00644444 |
| 678 | 0.00647059 |
| 679 | 0.00658333 |
| 680 | 0.00666667 |
| 681 | 0.00666667 |
| 682 | 0.00669231 |
| 683 | 0.00686486 |
| 684 | 0.00692857 |
| 685 | 0.007 |
| 686 | 0.007 |
| 687 | 0.007 |
| 688 | 0.00709091 |
| 689 | 0.0071 |
| 690 | 0.00731579 |
| 691 | 0.00736842 |
| 692 | 0.00742857 |
| 693 | 0.0075 |
| 694 | 0.0075 |
| 695 | 0.0075 |
| 696 | 0.0075625 |
| 697 | 0.007875 |
| 698 | 0.00789474 |
| 699 | 0.008 |
| 700 | 0.00833333 |
| 701 | 0.00845833 |
| 702 | 0.00846154 |
| 703 | 0.00857143 |
| 704 | 0.0086 |
| 705 | 0.00867647 |
| 706 | 0.00869231 |
| 707 | 0.00875 |
| 708 | 0.00883333 |
| 709 | 0.00894444 |
| 710 | 0.009 |
| 711 | 0.00907143 |
| 712 | 0.00909091 |
| 713 | 0.0091 |
| 714 | 0.00918182 |
| 715 | 0.00926667 |
| 716 | 0.00933333 |
| 717 | 0.00933333 |
| 718 | 0.00933333 |
| 719 | 0.00933333 |

| | |
|---|---|
| 720 | 0.00946667 |
| 721 | 0.00952941 |
| 722 | 0.00966667 |
| 723 | 0.00966667 |
| 724 | 0.00981818 |
| 725 | 0.00983333 |
| 726 | 0.00985 |
| 727 | 0.00992857 |
| 728 | 0.01 |
| 729 | 0.01 |
| 730 | 0.0101212 |
| 731 | 0.0101724 |
| 732 | 0.0101923 |
| 733 | 0.01025 |
| 734 | 0.0103333 |
| 735 | 0.0104 |
| 736 | 0.0106 |
| 737 | 0.0106842 |
| 738 | 0.0107692 |
| 739 | 0.0108 |
| 740 | 0.0108333 |
| 741 | 0.0108947 |
| 742 | 0.0109286 |
| 743 | 0.0110714 |
| 744 | 0.011375 |
| 745 | 0.0114375 |
| 746 | 0.0114545 |
| 747 | 0.012 |
| 748 | 0.012 |
| 749 | 0.012 |
| 750 | 0.0125 |
| 751 | 0.0127059 |
| 752 | 0.01275 |
| 753 | 0.0128571 |
| 754 | 0.0131667 |
| 755 | 0.0132273 |
| 756 | 0.01325 |
| 757 | 0.0132632 |
| 758 | 0.0133333 |
| 759 | 0.0133846 |
| 760 | 0.0135 |
| 761 | 0.0138571 |
| 762 | 0.0139167 |
| 763 | 0.014 |
| 764 | 0.0140476 |
| 765 | 0.0142105 |
| 766 | 0.0142759 |
| 767 | 0.0142857 |
| 768 | 0.014625 |
| 769 | 0.015 |
| 770 | 0.01525 |
| 771 | 0.01525 |
| 772 | 0.0152571 |
| 773 | 0.0154 |
| 774 | 0.0155882 |
| 775 | 0.016 |
| 776 | 0.016 |

| | |
|---|---|
| 777 | 0.0161176 |
| 778 | 0.0161667 |
| 779 | 0.01625 |
| 780 | 0.0166364 |
| 781 | 0.0166667 |
| 782 | 0.016875 |
| 783 | 0.0170588 |
| 784 | 0.0172258 |
| 785 | 0.017375 |
| 786 | 0.0175 |
| 787 | 0.0175652 |
| 788 | 0.0176667 |
| 789 | 0.0177419 |
| 790 | 0.0178 |
| 791 | 0.0178261 |
| 792 | 0.0178889 |
| 793 | 0.018 |
| 794 | 0.018 |
| 795 | 0.0181818 |
| 796 | 0.0181818 |
| 797 | 0.0183333 |
| 798 | 0.0184375 |
| 799 | 0.0184737 |
| 800 | 0.0185714 |
| 801 | 0.0187692 |
| 802 | 0.0188889 |
| 803 | 0.019 |
| 804 | 0.0191333 |
| 805 | 0.019381 |
| 806 | 0.0195 |
| 807 | 0.0196 |
| 808 | 0.02 |
| 809 | 0.02 |
| 810 | 0.0200625 |
| 811 | 0.0203 |
| 812 | 0.0203704 |
| 813 | 0.0207 |
| 814 | 0.0215 |
| 815 | 0.0215789 |
| 816 | 0.0218333 |
| 817 | 0.022 |
| 818 | 0.0220833 |
| 819 | 0.0221429 |
| 820 | 0.0225 |
| 821 | 0.0225 |
| 822 | 0.02255 |
| 823 | 0.0227778 |
| 824 | 0.0231667 |
| 825 | 0.0232 |
| 826 | 0.0233333 |
| 827 | 0.0236667 |
| 828 | 0.0239412 |
| 829 | 0.024 |
| 830 | 0.0242727 |
| 831 | 0.0244615 |
| 832 | 0.0244828 |
| 833 | 0.0246875 |

| | |
|---|---|
| 834 | 0.0254375 |
| 835 | 0.0254545 |
| 836 | 0.0256667 |
| 837 | 0.026 |
| 838 | 0.0261538 |
| 839 | 0.0262667 |
| 840 | 0.0264 |
| 841 | 0.0265294 |
| 842 | 0.02725 |
| 843 | 0.0273077 |
| 844 | 0.0285 |
| 845 | 0.0285714 |
| 846 | 0.0287778 |
| 847 | 0.0291667 |
| 848 | 0.03 |
| 849 | 0.0307778 |
| 850 | 0.031125 |
| 851 | 0.0314118 |
| 852 | 0.0324286 |
| 853 | 0.0325 |
| 854 | 0.0333333 |
| 855 | 0.03375 |
| 856 | 0.033913 |
| 857 | 0.034 |
| 858 | 0.0342857 |
| 859 | 0.0345455 |
| 860 | 0.035 |
| 861 | 0.0359091 |
| 862 | 0.0365 |
| 863 | 0.0372143 |
| 864 | 0.038 |
| 865 | 0.038 |
| 866 | 0.0385714 |
| 867 | 0.0388 |
| 868 | 0.039 |
| 869 | 0.0390476 |
| 870 | 0.0392857 |
| 871 | 0.0396667 |
| 872 | 0.04 |
| 873 | 0.04 |
| 874 | 0.0403333 |
| 875 | 0.0408462 |
| 876 | 0.041 |
| 877 | 0.04125 |
| 878 | 0.0418333 |
| 879 | 0.0418333 |
| 880 | 0.042 |
| 881 | 0.042 |
| 882 | 0.0421429 |
| 883 | 0.0425 |
| 884 | 0.0433333 |
| 885 | 0.0435 |
| 886 | 0.0435714 |
| 887 | 0.044 |
| 888 | 0.044 |
| 889 | 0.0442857 |
| 890 | 0.0448 |

| | |
|---|---|
| 891 | 0.04675 |
| 892 | 0.0483333 |
| 893 | 0.0487333 |
| 894 | 0.0495 |
| 895 | 0.0503333 |
| 896 | 0.0504 |
| 897 | 0.0505 |
| 898 | 0.050875 |
| 899 | 0.0516667 |
| 900 | 0.052 |
| 901 | 0.0521053 |
| 902 | 0.052625 |
| 903 | 0.0533333 |
| 904 | 0.05375 |
| 905 | 0.0538 |
| 906 | 0.054 |
| 907 | 0.055 |
| 908 | 0.0566667 |
| 909 | 0.057 |
| 910 | 0.059 |
| 911 | 0.06 |
| 912 | 0.0607692 |
| 913 | 0.061 |
| 914 | 0.0611111 |
| 915 | 0.0633333 |
| 916 | 0.0648333 |
| 917 | 0.065 |
| 918 | 0.0664545 |
| 919 | 0.06675 |
| 920 | 0.06775 |
| 921 | 0.0678889 |
| 922 | 0.07 |
| 923 | 0.07 |
| 924 | 0.07 |
| 925 | 0.0702 |
| 926 | 0.0716667 |
| 927 | 0.0721667 |
| 928 | 0.0726667 |
| 929 | 0.0731 |
| 930 | 0.076 |
| 931 | 0.0778571 |
| 932 | 0.078 |
| 933 | 0.08 |
| 934 | 0.082 |
| 935 | 0.085 |
| 936 | 0.0883333 |
| 937 | 0.09 |
| 938 | 0.09 |
| 939 | 0.09 |
| 940 | 0.09 |
| 941 | 0.094 |
| 942 | 0.096 |
| 943 | 0.0961538 |
| 944 | 0.0965 |
| 945 | 0.0966667 |
| 946 | 0.0990909 |
| 947 | 0.1 |

| | |
|---|---|
| 948 | 0.100875 |
| 949 | 0.103333 |
| 950 | 0.1105 |
| 951 | 0.116667 |
| 952 | 0.12 |
| 953 | 0.12 |
| 954 | 0.12 |
| 955 | 0.124444 |
| 956 | 0.125 |
| 957 | 0.13 |
| 958 | 0.13275 |
| 959 | 0.134 |
| 960 | 0.135667 |
| 961 | 0.138429 |
| 962 | 0.139 |
| 963 | 0.153 |
| 964 | 0.155 |
| 965 | 0.164 |
| 966 | 0.165 |
| 967 | 0.1702 |
| 968 | 0.181 |
| 969 | 0.188571 |
| 970 | 0.19 |
| 971 | 0.19125 |
| 972 | 0.194 |
| 973 | 0.194333 |
| 974 | 0.196 |
| 975 | 0.200333 |
| 976 | 0.21 |
| 977 | 0.21 |
| 978 | 0.2125 |
| 979 | 0.221667 |
| 980 | 0.239 |
| 981 | 0.267 |
| 982 | 0.272 |
| 983 | 0.3655 |
| 984 | 0.3825 |
| 985 | 0.387 |
| 986 | 0.51 |
| 987 | 0.55 |
| 988 | 0.58 |
| 989 | 0.705 |
| 990 | 1.22 |

Sen's Estimator (Median Q) is -0.00183333

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.69 | 3 |
| 2 | 0.53 | 2 |
| 3 | 0.66 | 2 |
| 4 | 0.25 | 6 |
| 5 | 0.45 | 2 |

| Time Period | Observations |
|---|---|
| 3/13/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |

| | |
|---|---|
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 9/2/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 630
B = 0
C = 126
D = 0
E = 42
F = 0
a = 188100
b = 766260
c = 3960
Group Variance = 10415
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 167.864
M1 = (990 - 167.864)/2.0 = 411.068
M2 = (990 + 167.864)/2.0 + 1 = 579.932

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 4
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.331 (3/18/2021) | 0.263 (12/17/2020) | (0.331 - 0.263)/(2 - 1) | 0.068 |
| ND<0.25 U (5/5/2021) | 0.263 (12/17/2020) | (0.25 - 0.263)/(3 - 1) | -0.0065 |
| ND<0.25 U (11/23/2021) | 0.263 (12/17/2020) | (0.25 - 0.263)/(4 - 1) | -0.00433333 |
| 0.97 (1/11/2022) | 0.263 (12/17/2020) | (0.97 - 0.263)/(5 - 1) | 0.17675 |
| 0.254 (4/7/2022) | 0.263 (12/17/2020) | (0.254 - 0.263)/(6 - 1) | -0.0018 |
| 0.274 (8/2/2022) | 0.263 (12/17/2020) | (0.274 - 0.263)/(7 - 1) | 0.00183333 |
| 0.382 (11/16/2022) | 0.263 (12/17/2020) | (0.382 - 0.263)/(8 - 1) | 0.017 |
| 0.484 (2/14/2023) | 0.263 (12/17/2020) | (0.484 - 0.263)/(9 - 1) | 0.027625 |
| 0.513 (5/25/2023) | 0.263 (12/17/2020) | (0.513 - 0.263)/(10 - 1) | 0.0277778 |
| 0.436 (8/7/2023) | 0.263 (12/17/2020) | (0.436 - 0.263)/(11 - 1) | 0.0173 |
| 0.497 (12/12/2023) | 0.263 (12/17/2020) | (0.497 - 0.263)/(12 - 1) | 0.0212727 |
| 0.327 (1/10/2024) | 0.263 (12/17/2020) | (0.327 - 0.263)/(13 - 1) | 0.00533333 |
| 0.565 (5/21/2024) | 0.263 (12/17/2020) | (0.565 - 0.263)/(14 - 1) | 0.0232308 |
| 0.709 (9/16/2024) | 0.263 (12/17/2020) | (0.709 - 0.263)/(15 - 1) | 0.0318571 |
| 0.305 (12/11/2024) | 0.263 (12/17/2020) | (0.305 - 0.263)/(16 - 1) | 0.0028 |
| 0.434 (2/18/2025) | 0.263 (12/17/2020) | (0.434 - 0.263)/(17 - 1) | 0.0106875 |
| | | | |
| ND<0.25 U (5/5/2021) | 0.331 (3/18/2021) | (0.25 - 0.331)/(3 - 2) | -0.081 |
| ND<0.25 U (11/23/2021) | 0.331 (3/18/2021) | (0.25 - 0.331)/(4 - 2) | -0.0405 |
| 0.97 (1/11/2022) | 0.331 (3/18/2021) | (0.97 - 0.331)/(5 - 2) | 0.213 |
| 0.254 (4/7/2022) | 0.331 (3/18/2021) | (0.254 - 0.331)/(6 - 2) | -0.01925 |
| 0.274 (8/2/2022) | 0.331 (3/18/2021) | (0.274 - 0.331)/(7 - 2) | -0.0114 |
| 0.382 (11/16/2022) | 0.331 (3/18/2021) | (0.382 - 0.331)/(8 - 2) | 0.0085 |
| 0.484 (2/14/2023) | 0.331 (3/18/2021) | (0.484 - 0.331)/(9 - 2) | 0.0218571 |
| 0.513 (5/25/2023) | 0.331 (3/18/2021) | (0.513 - 0.331)/(10 - 2) | 0.02275 |
| 0.436 (8/7/2023) | 0.331 (3/18/2021) | (0.436 - 0.331)/(11 - 2) | 0.0116667 |
| 0.497 (12/12/2023) | 0.331 (3/18/2021) | (0.497 - 0.331)/(12 - 2) | 0.0166 |
| 0.327 (1/10/2024) | 0.331 (3/18/2021) | (0.327 - 0.331)/(13 - 2) | -0.000363636 |
| 0.565 (5/21/2024) | 0.331 (3/18/2021) | (0.565 - 0.331)/(14 - 2) | 0.0195 |
| 0.709 (9/16/2024) | 0.331 (3/18/2021) | (0.709 - 0.331)/(15 - 2) | 0.0290769 |
| 0.305 (12/11/2024) | 0.331 (3/18/2021) | (0.305 - 0.331)/(16 - 2) | -0.00185714 |
| 0.434 (2/18/2025) | 0.331 (3/18/2021) | (0.434 - 0.331)/(17 - 2) | 0.00686667 |
| | | | |
| ND<0.25 U (11/23/2021) | ND<0.25 U (5/5/2021) | (0.25 - 0.25)/(4 - 3) | 0 |
| 0.97 (1/11/2022) | ND<0.25 U (5/5/2021) | (0.97 - 0.25)/(5 - 3) | 0.36 |
| 0.254 (4/7/2022) | ND<0.25 U (5/5/2021) | (0.254 - 0.25)/(6 - 3) | 0.00133333 |
| 0.274 (8/2/2022) | ND<0.25 U (5/5/2021) | (0.274 - 0.25)/(7 - 3) | 0.006 |
| 0.382 (11/16/2022) | ND<0.25 U (5/5/2021) | (0.382 - 0.25)/(8 - 3) | 0.0264 |
| 0.484 (2/14/2023) | ND<0.25 U (5/5/2021) | (0.484 - 0.25)/(9 - 3) | 0.039 |
| 0.513 (5/25/2023) | ND<0.25 U (5/5/2021) | (0.513 - 0.25)/(10 - 3) | 0.0375714 |
| 0.436 (8/7/2023) | ND<0.25 U (5/5/2021) | (0.436 - 0.25)/(11 - 3) | 0.02325 |
| 0.497 (12/12/2023) | ND<0.25 U (5/5/2021) | (0.497 - 0.25)/(12 - 3) | 0.0274444 |
| 0.327 (1/10/2024) | ND<0.25 U (5/5/2021) | (0.327 - 0.25)/(13 - 3) | 0.0077 |
| 0.565 (5/21/2024) | ND<0.25 U (5/5/2021) | (0.565 - 0.25)/(14 - 3) | 0.0286364 |
| 0.709 (9/16/2024) | ND<0.25 U (5/5/2021) | (0.709 - 0.25)/(15 - 3) | 0.03825 |
| 0.305 (12/11/2024) | ND<0.25 U (5/5/2021) | (0.305 - 0.25)/(16 - 3) | 0.00423077 |
| 0.434 (2/18/2025) | ND<0.25 U (5/5/2021) | (0.434 - 0.25)/(17 - 3) | 0.0131429 |

| | | | |
|---|---|---|---|
| 0.97 (1/11/2022) | ND<0.25 U (11/23/2021) | (0.97 - 0.25)/(5 - 4) | 0.72 |
| 0.254 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.254 - 0.25)/(6 - 4) | 0.002 |
| 0.274 (8/2/2022) | ND<0.25 U (11/23/2021) | (0.274 - 0.25)/(7 - 4) | 0.008 |
| 0.382 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.382 - 0.25)/(8 - 4) | 0.033 |
| 0.484 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.484 - 0.25)/(9 - 4) | 0.0468 |
| 0.513 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.513 - 0.25)/(10 - 4) | 0.0438333 |
| 0.436 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.436 - 0.25)/(11 - 4) | 0.0265714 |
| 0.497 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.497 - 0.25)/(12 - 4) | 0.030875 |
| 0.327 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.327 - 0.25)/(13 - 4) | 0.00855556 |
| 0.565 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.565 - 0.25)/(14 - 4) | 0.0315 |
| 0.709 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.709 - 0.25)/(15 - 4) | 0.0417273 |
| 0.305 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.305 - 0.25)/(16 - 4) | 0.00458333 |
| 0.434 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.434 - 0.25)/(17 - 4) | 0.0141538 |
| | | | |
| 0.254 (4/7/2022) | 0.97 (1/11/2022) | (0.254 - 0.97)/(6 - 5) | -0.716 |
| 0.274 (8/2/2022) | 0.97 (1/11/2022) | (0.274 - 0.97)/(7 - 5) | -0.348 |
| 0.382 (11/16/2022) | 0.97 (1/11/2022) | (0.382 - 0.97)/(8 - 5) | -0.196 |
| 0.484 (2/14/2023) | 0.97 (1/11/2022) | (0.484 - 0.97)/(9 - 5) | -0.1215 |
| 0.513 (5/25/2023) | 0.97 (1/11/2022) | (0.513 - 0.97)/(10 - 5) | -0.0914 |
| 0.436 (8/7/2023) | 0.97 (1/11/2022) | (0.436 - 0.97)/(11 - 5) | -0.089 |
| 0.497 (12/12/2023) | 0.97 (1/11/2022) | (0.497 - 0.97)/(12 - 5) | -0.0675714 |
| 0.327 (1/10/2024) | 0.97 (1/11/2022) | (0.327 - 0.97)/(13 - 5) | -0.080375 |
| 0.565 (5/21/2024) | 0.97 (1/11/2022) | (0.565 - 0.97)/(14 - 5) | -0.045 |
| 0.709 (9/16/2024) | 0.97 (1/11/2022) | (0.709 - 0.97)/(15 - 5) | -0.0261 |
| 0.305 (12/11/2024) | 0.97 (1/11/2022) | (0.305 - 0.97)/(16 - 5) | -0.0604545 |
| 0.434 (2/18/2025) | 0.97 (1/11/2022) | (0.434 - 0.97)/(17 - 5) | -0.0446667 |
| | | | |
| 0.274 (8/2/2022) | 0.254 (4/7/2022) | (0.274 - 0.254)/(7 - 6) | 0.02 |
| 0.382 (11/16/2022) | 0.254 (4/7/2022) | (0.382 - 0.254)/(8 - 6) | 0.064 |
| 0.484 (2/14/2023) | 0.254 (4/7/2022) | (0.484 - 0.254)/(9 - 6) | 0.0766667 |
| 0.513 (5/25/2023) | 0.254 (4/7/2022) | (0.513 - 0.254)/(10 - 6) | 0.06475 |
| 0.436 (8/7/2023) | 0.254 (4/7/2022) | (0.436 - 0.254)/(11 - 6) | 0.0364 |
| 0.497 (12/12/2023) | 0.254 (4/7/2022) | (0.497 - 0.254)/(12 - 6) | 0.0405 |
| 0.327 (1/10/2024) | 0.254 (4/7/2022) | (0.327 - 0.254)/(13 - 6) | 0.0104286 |
| 0.565 (5/21/2024) | 0.254 (4/7/2022) | (0.565 - 0.254)/(14 - 6) | 0.038875 |
| 0.709 (9/16/2024) | 0.254 (4/7/2022) | (0.709 - 0.254)/(15 - 6) | 0.0505556 |
| 0.305 (12/11/2024) | 0.254 (4/7/2022) | (0.305 - 0.254)/(16 - 6) | 0.0051 |
| 0.434 (2/18/2025) | 0.254 (4/7/2022) | (0.434 - 0.254)/(17 - 6) | 0.0163636 |
| | | | |
| 0.382 (11/16/2022) | 0.274 (8/2/2022) | (0.382 - 0.274)/(8 - 7) | 0.108 |
| 0.484 (2/14/2023) | 0.274 (8/2/2022) | (0.484 - 0.274)/(9 - 7) | 0.105 |
| 0.513 (5/25/2023) | 0.274 (8/2/2022) | (0.513 - 0.274)/(10 - 7) | 0.0796667 |
| 0.436 (8/7/2023) | 0.274 (8/2/2022) | (0.436 - 0.274)/(11 - 7) | 0.0405 |
| 0.497 (12/12/2023) | 0.274 (8/2/2022) | (0.497 - 0.274)/(12 - 7) | 0.0446 |
| 0.327 (1/10/2024) | 0.274 (8/2/2022) | (0.327 - 0.274)/(13 - 7) | 0.00883333 |
| 0.565 (5/21/2024) | 0.274 (8/2/2022) | (0.565 - 0.274)/(14 - 7) | 0.0415714 |
| 0.709 (9/16/2024) | 0.274 (8/2/2022) | (0.709 - 0.274)/(15 - 7) | 0.054375 |
| 0.305 (12/11/2024) | 0.274 (8/2/2022) | (0.305 - 0.274)/(16 - 7) | 0.00344444 |
| 0.434 (2/18/2025) | 0.274 (8/2/2022) | (0.434 - 0.274)/(17 - 7) | 0.016 |
| | | | |
| 0.484 (2/14/2023) | 0.382 (11/16/2022) | (0.484 - 0.382)/(9 - 8) | 0.102 |
| 0.513 (5/25/2023) | 0.382 (11/16/2022) | (0.513 - 0.382)/(10 - 8) | 0.0655 |
| 0.436 (8/7/2023) | 0.382 (11/16/2022) | (0.436 - 0.382)/(11 - 8) | 0.018 |
| 0.497 (12/12/2023) | 0.382 (11/16/2022) | (0.497 - 0.382)/(12 - 8) | 0.02875 |
| 0.327 (1/10/2024) | 0.382 (11/16/2022) | (0.327 - 0.382)/(13 - 8) | -0.011 |
| 0.565 (5/21/2024) | 0.382 (11/16/2022) | (0.565 - 0.382)/(14 - 8) | 0.0305 |
| 0.709 (9/16/2024) | 0.382 (11/16/2022) | (0.709 - 0.382)/(15 - 8) | 0.0467143 |

| | | | |
|---|---|---|---|
| 0.305 (12/11/2024) | 0.382 (11/16/2022) | (0.305 - 0.382)/(16 - 8) | -0.009625 |
| 0.434 (2/18/2025) | 0.382 (11/16/2022) | (0.434 - 0.382)/(17 - 8) | 0.00577778 |
| | | | |
| 0.513 (5/25/2023) | 0.484 (2/14/2023) | (0.513 - 0.484)/(10 - 9) | 0.029 |
| 0.436 (8/7/2023) | 0.484 (2/14/2023) | (0.436 - 0.484)/(11 - 9) | -0.024 |
| 0.497 (12/12/2023) | 0.484 (2/14/2023) | (0.497 - 0.484)/(12 - 9) | 0.00433333 |
| 0.327 (1/10/2024) | 0.484 (2/14/2023) | (0.327 - 0.484)/(13 - 9) | -0.03925 |
| 0.565 (5/21/2024) | 0.484 (2/14/2023) | (0.565 - 0.484)/(14 - 9) | 0.0162 |
| 0.709 (9/16/2024) | 0.484 (2/14/2023) | (0.709 - 0.484)/(15 - 9) | 0.0375 |
| 0.305 (12/11/2024) | 0.484 (2/14/2023) | (0.305 - 0.484)/(16 - 9) | -0.0255714 |
| 0.434 (2/18/2025) | 0.484 (2/14/2023) | (0.434 - 0.484)/(17 - 9) | -0.00625 |
| | | | |
| 0.436 (8/7/2023) | 0.513 (5/25/2023) | (0.436 - 0.513)/(11 - 10) | -0.077 |
| 0.497 (12/12/2023) | 0.513 (5/25/2023) | (0.497 - 0.513)/(12 - 10) | -0.008 |
| 0.327 (1/10/2024) | 0.513 (5/25/2023) | (0.327 - 0.513)/(13 - 10) | -0.062 |
| 0.565 (5/21/2024) | 0.513 (5/25/2023) | (0.565 - 0.513)/(14 - 10) | 0.013 |
| 0.709 (9/16/2024) | 0.513 (5/25/2023) | (0.709 - 0.513)/(15 - 10) | 0.0392 |
| 0.305 (12/11/2024) | 0.513 (5/25/2023) | (0.305 - 0.513)/(16 - 10) | -0.0346667 |
| 0.434 (2/18/2025) | 0.513 (5/25/2023) | (0.434 - 0.513)/(17 - 10) | -0.0112857 |
| | | | |
| 0.497 (12/12/2023) | 0.436 (8/7/2023) | (0.497 - 0.436)/(12 - 11) | 0.061 |
| 0.327 (1/10/2024) | 0.436 (8/7/2023) | (0.327 - 0.436)/(13 - 11) | -0.0545 |
| 0.565 (5/21/2024) | 0.436 (8/7/2023) | (0.565 - 0.436)/(14 - 11) | 0.043 |
| 0.709 (9/16/2024) | 0.436 (8/7/2023) | (0.709 - 0.436)/(15 - 11) | 0.06825 |
| 0.305 (12/11/2024) | 0.436 (8/7/2023) | (0.305 - 0.436)/(16 - 11) | -0.0262 |
| 0.434 (2/18/2025) | 0.436 (8/7/2023) | (0.434 - 0.436)/(17 - 11) | -0.000333333 |
| | | | |
| 0.327 (1/10/2024) | 0.497 (12/12/2023) | (0.327 - 0.497)/(13 - 12) | -0.17 |
| 0.565 (5/21/2024) | 0.497 (12/12/2023) | (0.565 - 0.497)/(14 - 12) | 0.034 |
| 0.709 (9/16/2024) | 0.497 (12/12/2023) | (0.709 - 0.497)/(15 - 12) | 0.0706667 |
| 0.305 (12/11/2024) | 0.497 (12/12/2023) | (0.305 - 0.497)/(16 - 12) | -0.048 |
| 0.434 (2/18/2025) | 0.497 (12/12/2023) | (0.434 - 0.497)/(17 - 12) | -0.0126 |
| | | | |
| 0.565 (5/21/2024) | 0.327 (1/10/2024) | (0.565 - 0.327)/(14 - 13) | 0.238 |
| 0.709 (9/16/2024) | 0.327 (1/10/2024) | (0.709 - 0.327)/(15 - 13) | 0.191 |
| 0.305 (12/11/2024) | 0.327 (1/10/2024) | (0.305 - 0.327)/(16 - 13) | -0.00733333 |
| 0.434 (2/18/2025) | 0.327 (1/10/2024) | (0.434 - 0.327)/(17 - 13) | 0.02675 |
| | | | |
| 0.709 (9/16/2024) | 0.565 (5/21/2024) | (0.709 - 0.565)/(15 - 14) | 0.144 |
| 0.305 (12/11/2024) | 0.565 (5/21/2024) | (0.305 - 0.565)/(16 - 14) | -0.13 |
| 0.434 (2/18/2025) | 0.565 (5/21/2024) | (0.434 - 0.565)/(17 - 14) | -0.0436667 |
| | | | |
| 0.305 (12/11/2024) | 0.709 (9/16/2024) | (0.305 - 0.709)/(16 - 15) | -0.404 |
| 0.434 (2/18/2025) | 0.709 (9/16/2024) | (0.434 - 0.709)/(17 - 15) | -0.1375 |
| | | | |
| 0.434 (2/18/2025) | 0.305 (12/11/2024) | (0.434 - 0.305)/(17 - 16) | 0.129 |

Number of Q values = 136

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.716 |
| 2 | -0.404 |
| 3 | -0.348 |
| 4 | -0.196 |
| 5 | -0.17 |

| | |
|---|---|
| 6 | -0.1375 |
| 7 | -0.13 |
| 8 | -0.1215 |
| 9 | -0.0914 |
| 10 | -0.089 |
| 11 | -0.081 |
| 12 | -0.080375 |
| 13 | -0.077 |
| 14 | -0.0675714 |
| 15 | -0.062 |
| 16 | -0.0604545 |
| 17 | -0.0545 |
| 18 | -0.048 |
| 19 | -0.045 |
| 20 | -0.0446667 |
| 21 | -0.0436667 |
| 22 | -0.0405 |
| 23 | -0.03925 |
| 24 | -0.0346667 |
| 25 | -0.0262 |
| 26 | -0.0261 |
| 27 | -0.0255714 |
| 28 | -0.024 |
| 29 | -0.01925 |
| 30 | -0.0126 |
| 31 | -0.0114 |
| 32 | -0.0112857 |
| 33 | -0.011 |
| 34 | -0.009625 |
| 35 | -0.008 |
| 36 | -0.00733333 |
| 37 | -0.0065 |
| 38 | -0.00625 |
| 39 | -0.00433333 |
| 40 | -0.00185714 |
| 41 | -0.0018 |
| 42 | -0.000363636 |
| 43 | -0.000333333 |
| 44 | 0 |
| 45 | 0.00133333 |
| 46 | 0.00183333 |
| 47 | 0.002 |
| 48 | 0.0028 |
| 49 | 0.00344444 |
| 50 | 0.00423077 |
| 51 | 0.00433333 |
| 52 | 0.00458333 |
| 53 | 0.0051 |
| 54 | 0.00533333 |
| 55 | 0.00577778 |
| 56 | 0.006 |
| 57 | 0.00686667 |
| 58 | 0.0077 |
| 59 | 0.008 |
| 60 | 0.0085 |
| 61 | 0.00855556 |
| 62 | 0.00883333 |

| | |
|---|---|
| 63 | 0.0104286 |
| 64 | 0.0106875 |
| 65 | 0.0116667 |
| 66 | 0.013 |
| 67 | 0.0131429 |
| 68 | 0.0141538 |
| 69 | 0.016 |
| 70 | 0.0162 |
| 71 | 0.0163636 |
| 72 | 0.0166 |
| 73 | 0.017 |
| 74 | 0.0173 |
| 75 | 0.018 |
| 76 | 0.0195 |
| 77 | 0.02 |
| 78 | 0.0212727 |
| 79 | 0.0218571 |
| 80 | 0.02275 |
| 81 | 0.0232308 |
| 82 | 0.02325 |
| 83 | 0.0264 |
| 84 | 0.0265714 |
| 85 | 0.02675 |
| 86 | 0.0274444 |
| 87 | 0.027625 |
| 88 | 0.0277778 |
| 89 | 0.0286364 |
| 90 | 0.02875 |
| 91 | 0.029 |
| 92 | 0.0290769 |
| 93 | 0.0305 |
| 94 | 0.030875 |
| 95 | 0.0315 |
| 96 | 0.0318571 |
| 97 | 0.033 |
| 98 | 0.034 |
| 99 | 0.0364 |
| 100 | 0.0375 |
| 101 | 0.0375714 |
| 102 | 0.03825 |
| 103 | 0.038875 |
| 104 | 0.039 |
| 105 | 0.0392 |
| 106 | 0.0405 |
| 107 | 0.0405 |
| 108 | 0.0415714 |
| 109 | 0.0417273 |
| 110 | 0.043 |
| 111 | 0.0438333 |
| 112 | 0.0446 |
| 113 | 0.0467143 |
| 114 | 0.0468 |
| 115 | 0.0505556 |
| 116 | 0.054375 |
| 117 | 0.061 |
| 118 | 0.064 |
| 119 | 0.06475 |

| | |
|---|---|
| 120 | 0.0655 |
| 121 | 0.068 |
| 122 | 0.06825 |
| 123 | 0.0706667 |
| 124 | 0.0766667 |
| 125 | 0.0796667 |
| 126 | 0.102 |
| 127 | 0.105 |
| 128 | 0.108 |
| 129 | 0.129 |
| 130 | 0.144 |
| 131 | 0.17675 |
| 132 | 0.191 |
| 133 | 0.213 |
| 134 | 0.238 |
| 135 | 0.36 |
| 136 | 0.72 |

Sen's Estimator (Median Q) is 0.0150769

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.25 | 2 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 10608
b = 36720
c = 544
Group Variance = 588.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 39.8969
M1 = (136 - 39.8969)/2.0 = 48.0516
M2 = (136 + 39.8969)/2.0 + 1 = 88.9484
Lower limit is 0.0028 = Q(48)

Upper limit is 0.0286364 = Q(89)
**0.0028 > 0 indicating an upward trend in data.**

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.317 (3/18/2021) | 0.258 (12/17/2020) | (0.317 - 0.258)/(2 - 1) | 0.059 |
| 0.41 (5/5/2021) | 0.258 (12/17/2020) | (0.41 - 0.258)/(3 - 1) | 0.076 |
| 0.325 (9/2/2021) | 0.258 (12/17/2020) | (0.325 - 0.258)/(4 - 1) | 0.0223333 |
| ND<0.25 U (11/23/2021) | 0.258 (12/17/2020) | (0.25 - 0.258)/(5 - 1) | -0.002 |
| 1.5 (1/11/2022) | 0.258 (12/17/2020) | (1.5 - 0.258)/(6 - 1) | 0.2484 |
| 0.385 (4/7/2022) | 0.258 (12/17/2020) | (0.385 - 0.258)/(7 - 1) | 0.0211667 |
| 0.277 (8/2/2022) | 0.258 (12/17/2020) | (0.277 - 0.258)/(8 - 1) | 0.00271429 |
| 0.347 (11/16/2022) | 0.258 (12/17/2020) | (0.347 - 0.258)/(9 - 1) | 0.011125 |
| 0.302 (2/14/2023) | 0.258 (12/17/2020) | (0.302 - 0.258)/(10 - 1) | 0.00488889 |
| 0.564 (5/25/2023) | 0.258 (12/17/2020) | (0.564 - 0.258)/(11 - 1) | 0.0306 |
| 0.677 (8/7/2023) | 0.258 (12/17/2020) | (0.677 - 0.258)/(12 - 1) | 0.0380909 |
| 0.465 (12/12/2023) | 0.258 (12/17/2020) | (0.465 - 0.258)/(13 - 1) | 0.01725 |
| 0.366 (1/10/2024) | 0.258 (12/17/2020) | (0.366 - 0.258)/(14 - 1) | 0.00830769 |
| 0.653 (5/21/2024) | 0.258 (12/17/2020) | (0.653 - 0.258)/(15 - 1) | 0.0282143 |
| 0.792 (9/16/2024) | 0.258 (12/17/2020) | (0.792 - 0.258)/(16 - 1) | 0.0356 |
| 0.407 (12/11/2024) | 0.258 (12/17/2020) | (0.407 - 0.258)/(17 - 1) | 0.0093125 |
| 0.477 (2/18/2025) | 0.258 (12/17/2020) | (0.477 - 0.258)/(18 - 1) | 0.0128824 |
| | | | |
| 0.41 (5/5/2021) | 0.317 (3/18/2021) | (0.41 - 0.317)/(3 - 2) | 0.093 |
| 0.325 (9/2/2021) | 0.317 (3/18/2021) | (0.325 - 0.317)/(4 - 2) | 0.004 |
| ND<0.25 U (11/23/2021) | 0.317 (3/18/2021) | (0.25 - 0.317)/(5 - 2) | -0.0223333 |
| 1.5 (1/11/2022) | 0.317 (3/18/2021) | (1.5 - 0.317)/(6 - 2) | 0.29575 |
| 0.385 (4/7/2022) | 0.317 (3/18/2021) | (0.385 - 0.317)/(7 - 2) | 0.0136 |
| 0.277 (8/2/2022) | 0.317 (3/18/2021) | (0.277 - 0.317)/(8 - 2) | -0.00666667 |
| 0.347 (11/16/2022) | 0.317 (3/18/2021) | (0.347 - 0.317)/(9 - 2) | 0.00428571 |
| 0.302 (2/14/2023) | 0.317 (3/18/2021) | (0.302 - 0.317)/(10 - 2) | -0.001875 |
| 0.564 (5/25/2023) | 0.317 (3/18/2021) | (0.564 - 0.317)/(11 - 2) | 0.0274444 |
| 0.677 (8/7/2023) | 0.317 (3/18/2021) | (0.677 - 0.317)/(12 - 2) | 0.036 |
| 0.465 (12/12/2023) | 0.317 (3/18/2021) | (0.465 - 0.317)/(13 - 2) | 0.0134545 |
| 0.366 (1/10/2024) | 0.317 (3/18/2021) | (0.366 - 0.317)/(14 - 2) | 0.00408333 |
| 0.653 (5/21/2024) | 0.317 (3/18/2021) | (0.653 - 0.317)/(15 - 2) | 0.0258462 |
| 0.792 (9/16/2024) | 0.317 (3/18/2021) | (0.792 - 0.317)/(16 - 2) | 0.0339286 |
| 0.407 (12/11/2024) | 0.317 (3/18/2021) | (0.407 - 0.317)/(17 - 2) | 0.006 |
| 0.477 (2/18/2025) | 0.317 (3/18/2021) | (0.477 - 0.317)/(18 - 2) | 0.01 |
| | | | |
| 0.325 (9/2/2021) | 0.41 (5/5/2021) | (0.325 - 0.41)/(4 - 3) | -0.085 |
| ND<0.25 U (11/23/2021) | 0.41 (5/5/2021) | (0.25 - 0.41)/(5 - 3) | -0.08 |
| 1.5 (1/11/2022) | 0.41 (5/5/2021) | (1.5 - 0.41)/(6 - 3) | 0.363333 |
| 0.385 (4/7/2022) | 0.41 (5/5/2021) | (0.385 - 0.41)/(7 - 3) | -0.00625 |
| 0.277 (8/2/2022) | 0.41 (5/5/2021) | (0.277 - 0.41)/(8 - 3) | -0.0266 |
| 0.347 (11/16/2022) | 0.41 (5/5/2021) | (0.347 - 0.41)/(9 - 3) | -0.0105 |
| 0.302 (2/14/2023) | 0.41 (5/5/2021) | (0.302 - 0.41)/(10 - 3) | -0.0154286 |
| 0.564 (5/25/2023) | 0.41 (5/5/2021) | (0.564 - 0.41)/(11 - 3) | 0.01925 |
| 0.677 (8/7/2023) | 0.41 (5/5/2021) | (0.677 - 0.41)/(12 - 3) | 0.0296667 |
| 0.465 (12/12/2023) | 0.41 (5/5/2021) | (0.465 - 0.41)/(13 - 3) | 0.0055 |
| 0.366 (1/10/2024) | 0.41 (5/5/2021) | (0.366 - 0.41)/(14 - 3) | -0.004 |
| 0.653 (5/21/2024) | 0.41 (5/5/2021) | (0.653 - 0.41)/(15 - 3) | 0.02025 |
| 0.792 (9/16/2024) | 0.41 (5/5/2021) | (0.792 - 0.41)/(16 - 3) | 0.0293846 |

| | | | |
|---|---|---|---|
| 0.407 (12/11/2024) | 0.41 (5/5/2021) | (0.407 - 0.41)/(17 - 3) | -0.000214286 |
| 0.477 (2/18/2025) | 0.41 (5/5/2021) | (0.477 - 0.41)/(18 - 3) | 0.00446667 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.325 (9/2/2021) | (0.25 - 0.325)/(5 - 4) | -0.075 |
| 1.5 (1/11/2022) | 0.325 (9/2/2021) | (1.5 - 0.325)/(6 - 4) | 0.5875 |
| 0.385 (4/7/2022) | 0.325 (9/2/2021) | (0.385 - 0.325)/(7 - 4) | 0.02 |
| 0.277 (8/2/2022) | 0.325 (9/2/2021) | (0.277 - 0.325)/(8 - 4) | -0.012 |
| 0.347 (11/16/2022) | 0.325 (9/2/2021) | (0.347 - 0.325)/(9 - 4) | 0.0044 |
| 0.302 (2/14/2023) | 0.325 (9/2/2021) | (0.302 - 0.325)/(10 - 4) | -0.00383333 |
| 0.564 (5/25/2023) | 0.325 (9/2/2021) | (0.564 - 0.325)/(11 - 4) | 0.0341429 |
| 0.677 (8/7/2023) | 0.325 (9/2/2021) | (0.677 - 0.325)/(12 - 4) | 0.044 |
| 0.465 (12/12/2023) | 0.325 (9/2/2021) | (0.465 - 0.325)/(13 - 4) | 0.0155556 |
| 0.366 (1/10/2024) | 0.325 (9/2/2021) | (0.366 - 0.325)/(14 - 4) | 0.0041 |
| 0.653 (5/21/2024) | 0.325 (9/2/2021) | (0.653 - 0.325)/(15 - 4) | 0.0298182 |
| 0.792 (9/16/2024) | 0.325 (9/2/2021) | (0.792 - 0.325)/(16 - 4) | 0.0389167 |
| 0.407 (12/11/2024) | 0.325 (9/2/2021) | (0.407 - 0.325)/(17 - 4) | 0.00630769 |
| 0.477 (2/18/2025) | 0.325 (9/2/2021) | (0.477 - 0.325)/(18 - 4) | 0.0108571 |
| | | | |
| 1.5 (1/11/2022) | ND<0.25 U (11/23/2021) | (1.5 - 0.25)/(6 - 5) | 1.25 |
| 0.385 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.385 - 0.25)/(7 - 5) | 0.0675 |
| 0.277 (8/2/2022) | ND<0.25 U (11/23/2021) | (0.277 - 0.25)/(8 - 5) | 0.009 |
| 0.347 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.347 - 0.25)/(9 - 5) | 0.02425 |
| 0.302 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.302 - 0.25)/(10 - 5) | 0.0104 |
| 0.564 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.564 - 0.25)/(11 - 5) | 0.0523333 |
| 0.677 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.677 - 0.25)/(12 - 5) | 0.061 |
| 0.465 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.465 - 0.25)/(13 - 5) | 0.026875 |
| 0.366 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.366 - 0.25)/(14 - 5) | 0.0128889 |
| 0.653 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.653 - 0.25)/(15 - 5) | 0.0403 |
| 0.792 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.792 - 0.25)/(16 - 5) | 0.0492727 |
| 0.407 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.407 - 0.25)/(17 - 5) | 0.0130833 |
| 0.477 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.477 - 0.25)/(18 - 5) | 0.0174615 |
| | | | |
| 0.385 (4/7/2022) | 1.5 (1/11/2022) | (0.385 - 1.5)/(7 - 6) | -1.115 |
| 0.277 (8/2/2022) | 1.5 (1/11/2022) | (0.277 - 1.5)/(8 - 6) | -0.6115 |
| 0.347 (11/16/2022) | 1.5 (1/11/2022) | (0.347 - 1.5)/(9 - 6) | -0.384333 |
| 0.302 (2/14/2023) | 1.5 (1/11/2022) | (0.302 - 1.5)/(10 - 6) | -0.2995 |
| 0.564 (5/25/2023) | 1.5 (1/11/2022) | (0.564 - 1.5)/(11 - 6) | -0.1872 |
| 0.677 (8/7/2023) | 1.5 (1/11/2022) | (0.677 - 1.5)/(12 - 6) | -0.137167 |
| 0.465 (12/12/2023) | 1.5 (1/11/2022) | (0.465 - 1.5)/(13 - 6) | -0.147857 |
| 0.366 (1/10/2024) | 1.5 (1/11/2022) | (0.366 - 1.5)/(14 - 6) | -0.14175 |
| 0.653 (5/21/2024) | 1.5 (1/11/2022) | (0.653 - 1.5)/(15 - 6) | -0.0941111 |
| 0.792 (9/16/2024) | 1.5 (1/11/2022) | (0.792 - 1.5)/(16 - 6) | -0.0708 |
| 0.407 (12/11/2024) | 1.5 (1/11/2022) | (0.407 - 1.5)/(17 - 6) | -0.0993636 |
| 0.477 (2/18/2025) | 1.5 (1/11/2022) | (0.477 - 1.5)/(18 - 6) | -0.08525 |
| | | | |
| 0.277 (8/2/2022) | 0.385 (4/7/2022) | (0.277 - 0.385)/(8 - 7) | -0.108 |
| 0.347 (11/16/2022) | 0.385 (4/7/2022) | (0.347 - 0.385)/(9 - 7) | -0.019 |
| 0.302 (2/14/2023) | 0.385 (4/7/2022) | (0.302 - 0.385)/(10 - 7) | -0.0276667 |
| 0.564 (5/25/2023) | 0.385 (4/7/2022) | (0.564 - 0.385)/(11 - 7) | 0.04475 |
| 0.677 (8/7/2023) | 0.385 (4/7/2022) | (0.677 - 0.385)/(12 - 7) | 0.0584 |
| 0.465 (12/12/2023) | 0.385 (4/7/2022) | (0.465 - 0.385)/(13 - 7) | 0.0133333 |
| 0.366 (1/10/2024) | 0.385 (4/7/2022) | (0.366 - 0.385)/(14 - 7) | -0.00271429 |
| 0.653 (5/21/2024) | 0.385 (4/7/2022) | (0.653 - 0.385)/(15 - 7) | 0.0335 |
| 0.792 (9/16/2024) | 0.385 (4/7/2022) | (0.792 - 0.385)/(16 - 7) | 0.0452222 |
| 0.407 (12/11/2024) | 0.385 (4/7/2022) | (0.407 - 0.385)/(17 - 7) | 0.0022 |
| 0.477 (2/18/2025) | 0.385 (4/7/2022) | (0.477 - 0.385)/(18 - 7) | 0.00836364 |

| | | | |
|---|---|---|---|
| 0.347 (11/16/2022) | 0.277 (8/2/2022) | (0.347 - 0.277)/(9 - 8) | 0.07 |
| 0.302 (2/14/2023) | 0.277 (8/2/2022) | (0.302 - 0.277)/(10 - 8) | 0.0125 |
| 0.564 (5/25/2023) | 0.277 (8/2/2022) | (0.564 - 0.277)/(11 - 8) | 0.0956667 |
| 0.677 (8/7/2023) | 0.277 (8/2/2022) | (0.677 - 0.277)/(12 - 8) | 0.1 |
| 0.465 (12/12/2023) | 0.277 (8/2/2022) | (0.465 - 0.277)/(13 - 8) | 0.0376 |
| 0.366 (1/10/2024) | 0.277 (8/2/2022) | (0.366 - 0.277)/(14 - 8) | 0.0148333 |
| 0.653 (5/21/2024) | 0.277 (8/2/2022) | (0.653 - 0.277)/(15 - 8) | 0.0537143 |
| 0.792 (9/16/2024) | 0.277 (8/2/2022) | (0.792 - 0.277)/(16 - 8) | 0.064375 |
| 0.407 (12/11/2024) | 0.277 (8/2/2022) | (0.407 - 0.277)/(17 - 8) | 0.0144444 |
| 0.477 (2/18/2025) | 0.277 (8/2/2022) | (0.477 - 0.277)/(18 - 8) | 0.02 |
| | | | |
| 0.302 (2/14/2023) | 0.347 (11/16/2022) | (0.302 - 0.347)/(10 - 9) | -0.045 |
| 0.564 (5/25/2023) | 0.347 (11/16/2022) | (0.564 - 0.347)/(11 - 9) | 0.1085 |
| 0.677 (8/7/2023) | 0.347 (11/16/2022) | (0.677 - 0.347)/(12 - 9) | 0.11 |
| 0.465 (12/12/2023) | 0.347 (11/16/2022) | (0.465 - 0.347)/(13 - 9) | 0.0295 |
| 0.366 (1/10/2024) | 0.347 (11/16/2022) | (0.366 - 0.347)/(14 - 9) | 0.0038 |
| 0.653 (5/21/2024) | 0.347 (11/16/2022) | (0.653 - 0.347)/(15 - 9) | 0.051 |
| 0.792 (9/16/2024) | 0.347 (11/16/2022) | (0.792 - 0.347)/(16 - 9) | 0.0635714 |
| 0.407 (12/11/2024) | 0.347 (11/16/2022) | (0.407 - 0.347)/(17 - 9) | 0.0075 |
| 0.477 (2/18/2025) | 0.347 (11/16/2022) | (0.477 - 0.347)/(18 - 9) | 0.0144444 |
| | | | |
| 0.564 (5/25/2023) | 0.302 (2/14/2023) | (0.564 - 0.302)/(11 - 10) | 0.262 |
| 0.677 (8/7/2023) | 0.302 (2/14/2023) | (0.677 - 0.302)/(12 - 10) | 0.1875 |
| 0.465 (12/12/2023) | 0.302 (2/14/2023) | (0.465 - 0.302)/(13 - 10) | 0.0543333 |
| 0.366 (1/10/2024) | 0.302 (2/14/2023) | (0.366 - 0.302)/(14 - 10) | 0.016 |
| 0.653 (5/21/2024) | 0.302 (2/14/2023) | (0.653 - 0.302)/(15 - 10) | 0.0702 |
| 0.792 (9/16/2024) | 0.302 (2/14/2023) | (0.792 - 0.302)/(16 - 10) | 0.0816667 |
| 0.407 (12/11/2024) | 0.302 (2/14/2023) | (0.407 - 0.302)/(17 - 10) | 0.015 |
| 0.477 (2/18/2025) | 0.302 (2/14/2023) | (0.477 - 0.302)/(18 - 10) | 0.021875 |
| | | | |
| 0.677 (8/7/2023) | 0.564 (5/25/2023) | (0.677 - 0.564)/(12 - 11) | 0.113 |
| 0.465 (12/12/2023) | 0.564 (5/25/2023) | (0.465 - 0.564)/(13 - 11) | -0.0495 |
| 0.366 (1/10/2024) | 0.564 (5/25/2023) | (0.366 - 0.564)/(14 - 11) | -0.066 |
| 0.653 (5/21/2024) | 0.564 (5/25/2023) | (0.653 - 0.564)/(15 - 11) | 0.02225 |
| 0.792 (9/16/2024) | 0.564 (5/25/2023) | (0.792 - 0.564)/(16 - 11) | 0.0456 |
| 0.407 (12/11/2024) | 0.564 (5/25/2023) | (0.407 - 0.564)/(17 - 11) | -0.0261667 |
| 0.477 (2/18/2025) | 0.564 (5/25/2023) | (0.477 - 0.564)/(18 - 11) | -0.0124286 |
| | | | |
| 0.465 (12/12/2023) | 0.677 (8/7/2023) | (0.465 - 0.677)/(13 - 12) | -0.212 |
| 0.366 (1/10/2024) | 0.677 (8/7/2023) | (0.366 - 0.677)/(14 - 12) | -0.1555 |
| 0.653 (5/21/2024) | 0.677 (8/7/2023) | (0.653 - 0.677)/(15 - 12) | -0.008 |
| 0.792 (9/16/2024) | 0.677 (8/7/2023) | (0.792 - 0.677)/(16 - 12) | 0.02875 |
| 0.407 (12/11/2024) | 0.677 (8/7/2023) | (0.407 - 0.677)/(17 - 12) | -0.054 |
| 0.477 (2/18/2025) | 0.677 (8/7/2023) | (0.477 - 0.677)/(18 - 12) | -0.0333333 |
| | | | |
| 0.366 (1/10/2024) | 0.465 (12/12/2023) | (0.366 - 0.465)/(14 - 13) | -0.099 |
| 0.653 (5/21/2024) | 0.465 (12/12/2023) | (0.653 - 0.465)/(15 - 13) | 0.094 |
| 0.792 (9/16/2024) | 0.465 (12/12/2023) | (0.792 - 0.465)/(16 - 13) | 0.109 |
| 0.407 (12/11/2024) | 0.465 (12/12/2023) | (0.407 - 0.465)/(17 - 13) | -0.0145 |
| 0.477 (2/18/2025) | 0.465 (12/12/2023) | (0.477 - 0.465)/(18 - 13) | 0.0024 |
| | | | |
| 0.653 (5/21/2024) | 0.366 (1/10/2024) | (0.653 - 0.366)/(15 - 14) | 0.287 |
| 0.792 (9/16/2024) | 0.366 (1/10/2024) | (0.792 - 0.366)/(16 - 14) | 0.213 |
| 0.407 (12/11/2024) | 0.366 (1/10/2024) | (0.407 - 0.366)/(17 - 14) | 0.0136667 |
| 0.477 (2/18/2025) | 0.366 (1/10/2024) | (0.477 - 0.366)/(18 - 14) | 0.02775 |
| | | | |
| 0.792 (9/16/2024) | 0.653 (5/21/2024) | (0.792 - 0.653)/(16 - 15) | 0.139 |

| | | | |
|---|---|---|---|
| 0.407 (12/11/2024) | 0.653 (5/21/2024) | (0.407 - 0.653)/(17 - 15) | -0.123 |
| 0.477 (2/18/2025) | 0.653 (5/21/2024) | (0.477 - 0.653)/(18 - 15) | -0.0586667 |
| 0.407 (12/11/2024) | 0.792 (9/16/2024) | (0.407 - 0.792)/(17 - 16) | -0.385 |
| 0.477 (2/18/2025) | 0.792 (9/16/2024) | (0.477 - 0.792)/(18 - 16) | -0.1575 |
| 0.477 (2/18/2025) | 0.407 (12/11/2024) | (0.477 - 0.407)/(18 - 17) | 0.07 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -1.115 |
| 2 | -0.6115 |
| 3 | -0.385 |
| 4 | -0.384333 |
| 5 | -0.2995 |
| 6 | -0.212 |
| 7 | -0.1872 |
| 8 | -0.1575 |
| 9 | -0.1555 |
| 10 | -0.147857 |
| 11 | -0.14175 |
| 12 | -0.137167 |
| 13 | -0.123 |
| 14 | -0.108 |
| 15 | -0.0993636 |
| 16 | -0.099 |
| 17 | -0.0941111 |
| 18 | -0.08525 |
| 19 | -0.085 |
| 20 | -0.08 |
| 21 | -0.075 |
| 22 | -0.0708 |
| 23 | -0.066 |
| 24 | -0.0586667 |
| 25 | -0.054 |
| 26 | -0.0495 |
| 27 | -0.045 |
| 28 | -0.0333333 |
| 29 | -0.0276667 |
| 30 | -0.0266 |
| 31 | -0.0261667 |
| 32 | -0.0223333 |
| 33 | -0.019 |
| 34 | -0.0154286 |
| 35 | -0.0145 |
| 36 | -0.0124286 |
| 37 | -0.012 |
| 38 | -0.0105 |
| 39 | -0.008 |
| 40 | -0.00666667 |
| 41 | -0.00625 |
| 42 | -0.004 |
| 43 | -0.00383333 |
| 44 | -0.00271429 |

| | |
|---|---|
| 45 | -0.002 |
| 46 | -0.001875 |
| 47 | -0.000214286 |
| 48 | 0.0022 |
| 49 | 0.0024 |
| 50 | 0.00271429 |
| 51 | 0.0038 |
| 52 | 0.004 |
| 53 | 0.00408333 |
| 54 | 0.0041 |
| 55 | 0.00428571 |
| 56 | 0.0044 |
| 57 | 0.00446667 |
| 58 | 0.00488889 |
| 59 | 0.0055 |
| 60 | 0.006 |
| 61 | 0.00630769 |
| 62 | 0.0075 |
| 63 | 0.00830769 |
| 64 | 0.00836364 |
| 65 | 0.009 |
| 66 | 0.0093125 |
| 67 | 0.01 |
| 68 | 0.0104 |
| 69 | 0.0108571 |
| 70 | 0.011125 |
| 71 | 0.0125 |
| 72 | 0.0128824 |
| 73 | 0.0128889 |
| 74 | 0.0130833 |
| 75 | 0.0133333 |
| 76 | 0.0134545 |
| 77 | 0.0136 |
| 78 | 0.0136667 |
| 79 | 0.0144444 |
| 80 | 0.0144444 |
| 81 | 0.0148333 |
| 82 | 0.015 |
| 83 | 0.0155556 |
| 84 | 0.016 |
| 85 | 0.01725 |
| 86 | 0.0174615 |
| 87 | 0.01925 |
| 88 | 0.02 |
| 89 | 0.02 |
| 90 | 0.02025 |
| 91 | 0.0211667 |
| 92 | 0.021875 |
| 93 | 0.02225 |
| 94 | 0.0223333 |
| 95 | 0.02425 |
| 96 | 0.0258462 |
| 97 | 0.026875 |
| 98 | 0.0274444 |
| 99 | 0.02775 |
| 100 | 0.0282143 |
| 101 | 0.02875 |

| | |
|---|---|
| 102 | 0.0293846 |
| 103 | 0.0295 |
| 104 | 0.0296667 |
| 105 | 0.0298182 |
| 106 | 0.0306 |
| 107 | 0.0335 |
| 108 | 0.0339286 |
| 109 | 0.0341429 |
| 110 | 0.0356 |
| 111 | 0.036 |
| 112 | 0.0376 |
| 113 | 0.0380909 |
| 114 | 0.0389167 |
| 115 | 0.0403 |
| 116 | 0.044 |
| 117 | 0.04475 |
| 118 | 0.0452222 |
| 119 | 0.0456 |
| 120 | 0.0492727 |
| 121 | 0.051 |
| 122 | 0.0523333 |
| 123 | 0.0537143 |
| 124 | 0.0543333 |
| 125 | 0.0584 |
| 126 | 0.059 |
| 127 | 0.061 |
| 128 | 0.0635714 |
| 129 | 0.064375 |
| 130 | 0.0675 |
| 131 | 0.07 |
| 132 | 0.07 |
| 133 | 0.0702 |
| 134 | 0.076 |
| 135 | 0.0816667 |
| 136 | 0.093 |
| 137 | 0.094 |
| 138 | 0.0956667 |
| 139 | 0.1 |
| 140 | 0.1085 |
| 141 | 0.109 |
| 142 | 0.11 |
| 143 | 0.113 |
| 144 | 0.139 |
| 145 | 0.1875 |
| 146 | 0.213 |
| 147 | 0.2484 |
| 148 | 0.262 |
| 149 | 0.287 |
| 150 | 0.29575 |
| 151 | 0.363333 |
| 152 | 0.5875 |
| 153 | 1.25 |

Sen's Estimator (Median Q) is 0.0136

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |

| | |
|---|---|
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 697
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.4254
M1 = (153 - 43.4254)/2.0 = 54.7873
M2 = (153 + 43.4254)/2.0 + 1 = 99.2127
Lower limit is 0.00428571 = Q(55)
Upper limit is 0.02775 = Q(99)
**0.00428571 > 0 indicating an upward trend in data.**

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.618 U (3/18/2021) | ND<0.25 U (12/17/2020) | (0.618 - 0.25)/(2 - 1) | 0.368 |
| 0.403 (5/5/2021) | ND<0.25 U (12/17/2020) | (0.403 - 0.25)/(3 - 1) | 0.0765 |
| 0.353 (9/2/2021) | ND<0.25 U (12/17/2020) | (0.353 - 0.25)/(4 - 1) | 0.0343333 |
| ND<0.25 U (11/23/2021) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(5 - 1) | 0 |
| 2.4 (1/11/2022) | ND<0.25 U (12/17/2020) | (2.4 - 0.25)/(6 - 1) | 0.43 |
| 0.373 (4/7/2022) | ND<0.25 U (12/17/2020) | (0.373 - 0.25)/(7 - 1) | 0.0205 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (12/17/2020) | (0.25 - 0.25)/(8 - 1) | 0 |
| 0.308 (11/16/2022) | ND<0.25 U (12/17/2020) | (0.308 - 0.25)/(9 - 1) | 0.00725 |
| 0.319 (2/14/2023) | ND<0.25 U (12/17/2020) | (0.319 - 0.25)/(10 - 1) | 0.00766667 |
| 0.58 (5/25/2023) | ND<0.25 U (12/17/2020) | (0.58 - 0.25)/(11 - 1) | 0.033 |
| 0.62 (8/7/2023) | ND<0.25 U (12/17/2020) | (0.62 - 0.25)/(12 - 1) | 0.0336364 |
| 0.44 (12/12/2023) | ND<0.25 U (12/17/2020) | (0.44 - 0.25)/(13 - 1) | 0.0158333 |
| 0.413 (1/10/2024) | ND<0.25 U (12/17/2020) | (0.413 - 0.25)/(14 - 1) | 0.0125385 |
| 0.287 (5/21/2024) | ND<0.25 U (12/17/2020) | (0.287 - 0.25)/(15 - 1) | 0.00264286 |
| 0.767 (9/16/2024) | ND<0.25 U (12/17/2020) | (0.767 - 0.25)/(16 - 1) | 0.0344667 |
| 0.326 (12/11/2024) | ND<0.25 U (12/17/2020) | (0.326 - 0.25)/(17 - 1) | 0.00475 |
| 0.484 (2/18/2025) | ND<0.25 U (12/17/2020) | (0.484 - 0.25)/(18 - 1) | 0.0137647 |
| | | | |
| 0.403 (5/5/2021) | ND<0.618 U (3/18/2021) | (0.403 - 0.618)/(3 - 2) | -0.215 |
| 0.353 (9/2/2021) | ND<0.618 U (3/18/2021) | (0.353 - 0.618)/(4 - 2) | -0.1325 |
| ND<0.25 U (11/23/2021) | ND<0.618 U (3/18/2021) | (0.25 - 0.618)/(5 - 2) | -0.122667 |
| 2.4 (1/11/2022) | ND<0.618 U (3/18/2021) | (2.4 - 0.618)/(6 - 2) | 0.4455 |
| 0.373 (4/7/2022) | ND<0.618 U (3/18/2021) | (0.373 - 0.618)/(7 - 2) | -0.049 |
| ND<0.25 U (8/2/2022) | ND<0.618 U (3/18/2021) | (0.25 - 0.618)/(8 - 2) | -0.0613333 |
| 0.308 (11/16/2022) | ND<0.618 U (3/18/2021) | (0.308 - 0.618)/(9 - 2) | -0.0442857 |
| 0.319 (2/14/2023) | ND<0.618 U (3/18/2021) | (0.319 - 0.618)/(10 - 2) | -0.037375 |
| 0.58 (5/25/2023) | ND<0.618 U (3/18/2021) | (0.58 - 0.618)/(11 - 2) | -0.00422222 |
| 0.62 (8/7/2023) | ND<0.618 U (3/18/2021) | (0.62 - 0.618)/(12 - 2) | 0.0002 |
| 0.44 (12/12/2023) | ND<0.618 U (3/18/2021) | (0.44 - 0.618)/(13 - 2) | -0.0161818 |
| 0.413 (1/10/2024) | ND<0.618 U (3/18/2021) | (0.413 - 0.618)/(14 - 2) | -0.0170833 |
| 0.287 (5/21/2024) | ND<0.618 U (3/18/2021) | (0.287 - 0.618)/(15 - 2) | -0.0254615 |
| 0.767 (9/16/2024) | ND<0.618 U (3/18/2021) | (0.767 - 0.618)/(16 - 2) | 0.0106429 |
| 0.326 (12/11/2024) | ND<0.618 U (3/18/2021) | (0.326 - 0.618)/(17 - 2) | -0.0194667 |
| 0.484 (2/18/2025) | ND<0.618 U (3/18/2021) | (0.484 - 0.618)/(18 - 2) | -0.008375 |
| | | | |
| 0.353 (9/2/2021) | 0.403 (5/5/2021) | (0.353 - 0.403)/(4 - 3) | -0.05 |
| ND<0.25 U (11/23/2021) | 0.403 (5/5/2021) | (0.25 - 0.403)/(5 - 3) | -0.0765 |
| 2.4 (1/11/2022) | 0.403 (5/5/2021) | (2.4 - 0.403)/(6 - 3) | 0.665667 |
| 0.373 (4/7/2022) | 0.403 (5/5/2021) | (0.373 - 0.403)/(7 - 3) | -0.0075 |
| ND<0.25 U (8/2/2022) | 0.403 (5/5/2021) | (0.25 - 0.403)/(8 - 3) | -0.0306 |
| 0.308 (11/16/2022) | 0.403 (5/5/2021) | (0.308 - 0.403)/(9 - 3) | -0.0158333 |
| 0.319 (2/14/2023) | 0.403 (5/5/2021) | (0.319 - 0.403)/(10 - 3) | -0.012 |
| 0.58 (5/25/2023) | 0.403 (5/5/2021) | (0.58 - 0.403)/(11 - 3) | 0.022125 |
| 0.62 (8/7/2023) | 0.403 (5/5/2021) | (0.62 - 0.403)/(12 - 3) | 0.0241111 |
| 0.44 (12/12/2023) | 0.403 (5/5/2021) | (0.44 - 0.403)/(13 - 3) | 0.0037 |
| 0.413 (1/10/2024) | 0.403 (5/5/2021) | (0.413 - 0.403)/(14 - 3) | 0.000909091 |
| 0.287 (5/21/2024) | 0.403 (5/5/2021) | (0.287 - 0.403)/(15 - 3) | -0.00966667 |
| 0.767 (9/16/2024) | 0.403 (5/5/2021) | (0.767 - 0.403)/(16 - 3) | 0.028 |

| | | | |
|---|---|---|---|
| 0.326 (12/11/2024) | 0.403 (5/5/2021) | (0.326 - 0.403)/(17 - 3) | -0.0055 |
| 0.484 (2/18/2025) | 0.403 (5/5/2021) | (0.484 - 0.403)/(18 - 3) | 0.0054 |
| | | | |
| ND<0.25 U (11/23/2021) | 0.353 (9/2/2021) | (0.25 - 0.353)/(5 - 4) | -0.103 |
| 2.4 (1/11/2022) | 0.353 (9/2/2021) | (2.4 - 0.353)/(6 - 4) | 1.0235 |
| 0.373 (4/7/2022) | 0.353 (9/2/2021) | (0.373 - 0.353)/(7 - 4) | 0.00666667 |
| ND<0.25 U (8/2/2022) | 0.353 (9/2/2021) | (0.25 - 0.353)/(8 - 4) | -0.02575 |
| 0.308 (11/16/2022) | 0.353 (9/2/2021) | (0.308 - 0.353)/(9 - 4) | -0.009 |
| 0.319 (2/14/2023) | 0.353 (9/2/2021) | (0.319 - 0.353)/(10 - 4) | -0.00566667 |
| 0.58 (5/25/2023) | 0.353 (9/2/2021) | (0.58 - 0.353)/(11 - 4) | 0.0324286 |
| 0.62 (8/7/2023) | 0.353 (9/2/2021) | (0.62 - 0.353)/(12 - 4) | 0.033375 |
| 0.44 (12/12/2023) | 0.353 (9/2/2021) | (0.44 - 0.353)/(13 - 4) | 0.00966667 |
| 0.413 (1/10/2024) | 0.353 (9/2/2021) | (0.413 - 0.353)/(14 - 4) | 0.006 |
| 0.287 (5/21/2024) | 0.353 (9/2/2021) | (0.287 - 0.353)/(15 - 4) | -0.006 |
| 0.767 (9/16/2024) | 0.353 (9/2/2021) | (0.767 - 0.353)/(16 - 4) | 0.0345 |
| 0.326 (12/11/2024) | 0.353 (9/2/2021) | (0.326 - 0.353)/(17 - 4) | -0.00207692 |
| 0.484 (2/18/2025) | 0.353 (9/2/2021) | (0.484 - 0.353)/(18 - 4) | 0.00935714 |
| | | | |
| 2.4 (1/11/2022) | ND<0.25 U (11/23/2021) | (2.4 - 0.25)/(6 - 5) | 2.15 |
| 0.373 (4/7/2022) | ND<0.25 U (11/23/2021) | (0.373 - 0.25)/(7 - 5) | 0.0615 |
| ND<0.25 U (8/2/2022) | ND<0.25 U (11/23/2021) | (0.25 - 0.25)/(8 - 5) | 0 |
| 0.308 (11/16/2022) | ND<0.25 U (11/23/2021) | (0.308 - 0.25)/(9 - 5) | 0.0145 |
| 0.319 (2/14/2023) | ND<0.25 U (11/23/2021) | (0.319 - 0.25)/(10 - 5) | 0.0138 |
| 0.58 (5/25/2023) | ND<0.25 U (11/23/2021) | (0.58 - 0.25)/(11 - 5) | 0.055 |
| 0.62 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.62 - 0.25)/(12 - 5) | 0.0528571 |
| 0.44 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.44 - 0.25)/(13 - 5) | 0.02375 |
| 0.413 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.413 - 0.25)/(14 - 5) | 0.0181111 |
| 0.287 (5/21/2024) | ND<0.25 U (11/23/2021) | (0.287 - 0.25)/(15 - 5) | 0.0037 |
| 0.767 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.767 - 0.25)/(16 - 5) | 0.047 |
| 0.326 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.326 - 0.25)/(17 - 5) | 0.00633333 |
| 0.484 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.484 - 0.25)/(18 - 5) | 0.018 |
| | | | |
| 0.373 (4/7/2022) | 2.4 (1/11/2022) | (0.373 - 2.4)/(7 - 6) | -2.027 |
| ND<0.25 U (8/2/2022) | 2.4 (1/11/2022) | (0.25 - 2.4)/(8 - 6) | -1.075 |
| 0.308 (11/16/2022) | 2.4 (1/11/2022) | (0.308 - 2.4)/(9 - 6) | -0.697333 |
| 0.319 (2/14/2023) | 2.4 (1/11/2022) | (0.319 - 2.4)/(10 - 6) | -0.52025 |
| 0.58 (5/25/2023) | 2.4 (1/11/2022) | (0.58 - 2.4)/(11 - 6) | -0.364 |
| 0.62 (8/7/2023) | 2.4 (1/11/2022) | (0.62 - 2.4)/(12 - 6) | -0.296667 |
| 0.44 (12/12/2023) | 2.4 (1/11/2022) | (0.44 - 2.4)/(13 - 6) | -0.28 |
| 0.413 (1/10/2024) | 2.4 (1/11/2022) | (0.413 - 2.4)/(14 - 6) | -0.248375 |
| 0.287 (5/21/2024) | 2.4 (1/11/2022) | (0.287 - 2.4)/(15 - 6) | -0.234778 |
| 0.767 (9/16/2024) | 2.4 (1/11/2022) | (0.767 - 2.4)/(16 - 6) | -0.1633 |
| 0.326 (12/11/2024) | 2.4 (1/11/2022) | (0.326 - 2.4)/(17 - 6) | -0.188545 |
| 0.484 (2/18/2025) | 2.4 (1/11/2022) | (0.484 - 2.4)/(18 - 6) | -0.159667 |
| | | | |
| ND<0.25 U (8/2/2022) | 0.373 (4/7/2022) | (0.25 - 0.373)/(8 - 7) | -0.123 |
| 0.308 (11/16/2022) | 0.373 (4/7/2022) | (0.308 - 0.373)/(9 - 7) | -0.0325 |
| 0.319 (2/14/2023) | 0.373 (4/7/2022) | (0.319 - 0.373)/(10 - 7) | -0.018 |
| 0.58 (5/25/2023) | 0.373 (4/7/2022) | (0.58 - 0.373)/(11 - 7) | 0.05175 |
| 0.62 (8/7/2023) | 0.373 (4/7/2022) | (0.62 - 0.373)/(12 - 7) | 0.0494 |
| 0.44 (12/12/2023) | 0.373 (4/7/2022) | (0.44 - 0.373)/(13 - 7) | 0.0111667 |
| 0.413 (1/10/2024) | 0.373 (4/7/2022) | (0.413 - 0.373)/(14 - 7) | 0.00571429 |
| 0.287 (5/21/2024) | 0.373 (4/7/2022) | (0.287 - 0.373)/(15 - 7) | -0.01075 |
| 0.767 (9/16/2024) | 0.373 (4/7/2022) | (0.767 - 0.373)/(16 - 7) | 0.0437778 |
| 0.326 (12/11/2024) | 0.373 (4/7/2022) | (0.326 - 0.373)/(17 - 7) | -0.0047 |
| 0.484 (2/18/2025) | 0.373 (4/7/2022) | (0.484 - 0.373)/(18 - 7) | 0.0100909 |

| | | | |
|---|---|---|---|
| 0.308 (11/16/2022) | ND<0.25 U (8/2/2022) | (0.308 - 0.25)/(9 - 8) | 0.058 |
| 0.319 (2/14/2023) | ND<0.25 U (8/2/2022) | (0.319 - 0.25)/(10 - 8) | 0.0345 |
| 0.58 (5/25/2023) | ND<0.25 U (8/2/2022) | (0.58 - 0.25)/(11 - 8) | 0.11 |
| 0.62 (8/7/2023) | ND<0.25 U (8/2/2022) | (0.62 - 0.25)/(12 - 8) | 0.0925 |
| 0.44 (12/12/2023) | ND<0.25 U (8/2/2022) | (0.44 - 0.25)/(13 - 8) | 0.038 |
| 0.413 (1/10/2024) | ND<0.25 U (8/2/2022) | (0.413 - 0.25)/(14 - 8) | 0.0271667 |
| 0.287 (5/21/2024) | ND<0.25 U (8/2/2022) | (0.287 - 0.25)/(15 - 8) | 0.00528571 |
| 0.767 (9/16/2024) | ND<0.25 U (8/2/2022) | (0.767 - 0.25)/(16 - 8) | 0.064625 |
| 0.326 (12/11/2024) | ND<0.25 U (8/2/2022) | (0.326 - 0.25)/(17 - 8) | 0.00844444 |
| 0.484 (2/18/2025) | ND<0.25 U (8/2/2022) | (0.484 - 0.25)/(18 - 8) | 0.0234 |
| | | | |
| 0.319 (2/14/2023) | 0.308 (11/16/2022) | (0.319 - 0.308)/(10 - 9) | 0.011 |
| 0.58 (5/25/2023) | 0.308 (11/16/2022) | (0.58 - 0.308)/(11 - 9) | 0.136 |
| 0.62 (8/7/2023) | 0.308 (11/16/2022) | (0.62 - 0.308)/(12 - 9) | 0.104 |
| 0.44 (12/12/2023) | 0.308 (11/16/2022) | (0.44 - 0.308)/(13 - 9) | 0.033 |
| 0.413 (1/10/2024) | 0.308 (11/16/2022) | (0.413 - 0.308)/(14 - 9) | 0.021 |
| 0.287 (5/21/2024) | 0.308 (11/16/2022) | (0.287 - 0.308)/(15 - 9) | -0.0035 |
| 0.767 (9/16/2024) | 0.308 (11/16/2022) | (0.767 - 0.308)/(16 - 9) | 0.0655714 |
| 0.326 (12/11/2024) | 0.308 (11/16/2022) | (0.326 - 0.308)/(17 - 9) | 0.00225 |
| 0.484 (2/18/2025) | 0.308 (11/16/2022) | (0.484 - 0.308)/(18 - 9) | 0.0195556 |
| | | | |
| 0.58 (5/25/2023) | 0.319 (2/14/2023) | (0.58 - 0.319)/(11 - 10) | 0.261 |
| 0.62 (8/7/2023) | 0.319 (2/14/2023) | (0.62 - 0.319)/(12 - 10) | 0.1505 |
| 0.44 (12/12/2023) | 0.319 (2/14/2023) | (0.44 - 0.319)/(13 - 10) | 0.0403333 |
| 0.413 (1/10/2024) | 0.319 (2/14/2023) | (0.413 - 0.319)/(14 - 10) | 0.0235 |
| 0.287 (5/21/2024) | 0.319 (2/14/2023) | (0.287 - 0.319)/(15 - 10) | -0.0064 |
| 0.767 (9/16/2024) | 0.319 (2/14/2023) | (0.767 - 0.319)/(16 - 10) | 0.0746667 |
| 0.326 (12/11/2024) | 0.319 (2/14/2023) | (0.326 - 0.319)/(17 - 10) | 0.001 |
| 0.484 (2/18/2025) | 0.319 (2/14/2023) | (0.484 - 0.319)/(18 - 10) | 0.020625 |
| | | | |
| 0.62 (8/7/2023) | 0.58 (5/25/2023) | (0.62 - 0.58)/(12 - 11) | 0.04 |
| 0.44 (12/12/2023) | 0.58 (5/25/2023) | (0.44 - 0.58)/(13 - 11) | -0.07 |
| 0.413 (1/10/2024) | 0.58 (5/25/2023) | (0.413 - 0.58)/(14 - 11) | -0.0556667 |
| 0.287 (5/21/2024) | 0.58 (5/25/2023) | (0.287 - 0.58)/(15 - 11) | -0.07325 |
| 0.767 (9/16/2024) | 0.58 (5/25/2023) | (0.767 - 0.58)/(16 - 11) | 0.0374 |
| 0.326 (12/11/2024) | 0.58 (5/25/2023) | (0.326 - 0.58)/(17 - 11) | -0.0423333 |
| 0.484 (2/18/2025) | 0.58 (5/25/2023) | (0.484 - 0.58)/(18 - 11) | -0.0137143 |
| | | | |
| 0.44 (12/12/2023) | 0.62 (8/7/2023) | (0.44 - 0.62)/(13 - 12) | -0.18 |
| 0.413 (1/10/2024) | 0.62 (8/7/2023) | (0.413 - 0.62)/(14 - 12) | -0.1035 |
| 0.287 (5/21/2024) | 0.62 (8/7/2023) | (0.287 - 0.62)/(15 - 12) | -0.111 |
| 0.767 (9/16/2024) | 0.62 (8/7/2023) | (0.767 - 0.62)/(16 - 12) | 0.03675 |
| 0.326 (12/11/2024) | 0.62 (8/7/2023) | (0.326 - 0.62)/(17 - 12) | -0.0588 |
| 0.484 (2/18/2025) | 0.62 (8/7/2023) | (0.484 - 0.62)/(18 - 12) | -0.0226667 |
| | | | |
| 0.413 (1/10/2024) | 0.44 (12/12/2023) | (0.413 - 0.44)/(14 - 13) | -0.027 |
| 0.287 (5/21/2024) | 0.44 (12/12/2023) | (0.287 - 0.44)/(15 - 13) | -0.0765 |
| 0.767 (9/16/2024) | 0.44 (12/12/2023) | (0.767 - 0.44)/(16 - 13) | 0.109 |
| 0.326 (12/11/2024) | 0.44 (12/12/2023) | (0.326 - 0.44)/(17 - 13) | -0.0285 |
| 0.484 (2/18/2025) | 0.44 (12/12/2023) | (0.484 - 0.44)/(18 - 13) | 0.0088 |
| | | | |
| 0.287 (5/21/2024) | 0.413 (1/10/2024) | (0.287 - 0.413)/(15 - 14) | -0.126 |
| 0.767 (9/16/2024) | 0.413 (1/10/2024) | (0.767 - 0.413)/(16 - 14) | 0.177 |
| 0.326 (12/11/2024) | 0.413 (1/10/2024) | (0.326 - 0.413)/(17 - 14) | -0.029 |
| 0.484 (2/18/2025) | 0.413 (1/10/2024) | (0.484 - 0.413)/(18 - 14) | 0.01775 |
| | | | |
| 0.767 (9/16/2024) | 0.287 (5/21/2024) | (0.767 - 0.287)/(16 - 15) | 0.48 |

| | | | |
|---|---|---|---|
| 0.326 (12/11/2024) | 0.287 (5/21/2024) | (0.326 - 0.287)/(17 - 15) | 0.0195 |
| 0.484 (2/18/2025) | 0.287 (5/21/2024) | (0.484 - 0.287)/(18 - 15) | 0.0656667 |
| 0.326 (12/11/2024) | 0.767 (9/16/2024) | (0.326 - 0.767)/(17 - 16) | -0.441 |
| 0.484 (2/18/2025) | 0.767 (9/16/2024) | (0.484 - 0.767)/(18 - 16) | -0.1415 |
| 0.484 (2/18/2025) | 0.326 (12/11/2024) | (0.484 - 0.326)/(18 - 17) | 0.158 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -2.027 |
| 2 | -1.075 |
| 3 | -0.697333 |
| 4 | -0.52025 |
| 5 | -0.441 |
| 6 | -0.364 |
| 7 | -0.296667 |
| 8 | -0.28 |
| 9 | -0.248375 |
| 10 | -0.234778 |
| 11 | -0.215 |
| 12 | -0.188545 |
| 13 | -0.18 |
| 14 | -0.1633 |
| 15 | -0.159667 |
| 16 | -0.1415 |
| 17 | -0.1325 |
| 18 | -0.126 |
| 19 | -0.123 |
| 20 | -0.122667 |
| 21 | -0.111 |
| 22 | -0.1035 |
| 23 | -0.103 |
| 24 | -0.0765 |
| 25 | -0.0765 |
| 26 | -0.07325 |
| 27 | -0.07 |
| 28 | -0.0613333 |
| 29 | -0.0588 |
| 30 | -0.0556667 |
| 31 | -0.05 |
| 32 | -0.049 |
| 33 | -0.0442857 |
| 34 | -0.0423333 |
| 35 | -0.037375 |
| 36 | -0.0325 |
| 37 | -0.0306 |
| 38 | -0.029 |
| 39 | -0.0285 |
| 40 | -0.027 |
| 41 | -0.02575 |
| 42 | -0.0254615 |
| 43 | -0.0226667 |
| 44 | -0.0194667 |

| | |
|---|---|
| 45 | -0.018 |
| 46 | -0.0170833 |
| 47 | -0.0161818 |
| 48 | -0.0158333 |
| 49 | -0.0137143 |
| 50 | -0.012 |
| 51 | -0.01075 |
| 52 | -0.00966667 |
| 53 | -0.009 |
| 54 | -0.008375 |
| 55 | -0.0075 |
| 56 | -0.0064 |
| 57 | -0.006 |
| 58 | -0.00566667 |
| 59 | -0.0055 |
| 60 | -0.0047 |
| 61 | -0.00422222 |
| 62 | -0.0035 |
| 63 | -0.00207692 |
| 64 | 0 |
| 65 | 0 |
| 66 | 0 |
| 67 | 0.0002 |
| 68 | 0.000909091 |
| 69 | 0.001 |
| 70 | 0.00225 |
| 71 | 0.00264286 |
| 72 | 0.0037 |
| 73 | 0.0037 |
| 74 | 0.00475 |
| 75 | 0.00528571 |
| 76 | 0.0054 |
| 77 | 0.00571429 |
| 78 | 0.006 |
| 79 | 0.00633333 |
| 80 | 0.00666667 |
| 81 | 0.00725 |
| 82 | 0.00766667 |
| 83 | 0.00844444 |
| 84 | 0.0088 |
| 85 | 0.00935714 |
| 86 | 0.00966667 |
| 87 | 0.0100909 |
| 88 | 0.0106429 |
| 89 | 0.011 |
| 90 | 0.0111667 |
| 91 | 0.0125385 |
| 92 | 0.0137647 |
| 93 | 0.0138 |
| 94 | 0.0145 |
| 95 | 0.0158333 |
| 96 | 0.01775 |
| 97 | 0.018 |
| 98 | 0.0181111 |
| 99 | 0.0195 |
| 100 | 0.0195556 |
| 101 | 0.0205 |

| | |
|---|---|
| 102 | 0.020625 |
| 103 | 0.021 |
| 104 | 0.022125 |
| 105 | 0.0234 |
| 106 | 0.0235 |
| 107 | 0.02375 |
| 108 | 0.0241111 |
| 109 | 0.0271667 |
| 110 | 0.028 |
| 111 | 0.0324286 |
| 112 | 0.033 |
| 113 | 0.033 |
| 114 | 0.033375 |
| 115 | 0.0336364 |
| 116 | 0.0343333 |
| 117 | 0.0344667 |
| 118 | 0.0345 |
| 119 | 0.0345 |
| 120 | 0.03675 |
| 121 | 0.0374 |
| 122 | 0.038 |
| 123 | 0.04 |
| 124 | 0.0403333 |
| 125 | 0.0437778 |
| 126 | 0.047 |
| 127 | 0.0494 |
| 128 | 0.05175 |
| 129 | 0.0528571 |
| 130 | 0.055 |
| 131 | 0.058 |
| 132 | 0.0615 |
| 133 | 0.064625 |
| 134 | 0.0655714 |
| 135 | 0.0656667 |
| 136 | 0.0746667 |
| 137 | 0.0765 |
| 138 | 0.0925 |
| 139 | 0.104 |
| 140 | 0.109 |
| 141 | 0.11 |
| 142 | 0.136 |
| 143 | 0.1505 |
| 144 | 0.158 |
| 145 | 0.177 |
| 146 | 0.261 |
| 147 | 0.368 |
| 148 | 0.43 |
| 149 | 0.4455 |
| 150 | 0.48 |
| 151 | 0.665667 |
| 152 | 1.0235 |
| 153 | 2.15 |

Sen's Estimator (Median Q) is 0.00571429

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.25 | 3 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 66
B = 0
C = 6
D = 0
E = 6
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 693.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.311
M1 = (153 - 43.311)/2.0 = 54.8445
M2 = (153 + 43.311)/2.0 + 1 = 99.1555
Lower limit is -0.0075 = Q(55)
Upper limit is 0.0195 = Q(99)
-0.0075 < 0 < 0.0195 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 7
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.407 (3/18/2021) | 0.541 (12/17/2020) | (0.407 - 0.541)/(2 - 1) | -0.134 |
| 1.24 (5/5/2021) | 0.541 (12/17/2020) | (1.24 - 0.541)/(3 - 1) | 0.3495 |
| 2.49 (9/2/2021) | 0.541 (12/17/2020) | (2.49 - 0.541)/(4 - 1) | 0.649667 |
| ND<0.25 U (11/23/2021) | 0.541 (12/17/2020) | (0.25 - 0.541)/(5 - 1) | -0.07275 |
| 0.805 (1/10/2022) | 0.541 (12/17/2020) | (0.805 - 0.541)/(6 - 1) | 0.0528 |
| 1.37 (4/7/2022) | 0.541 (12/17/2020) | (1.37 - 0.541)/(7 - 1) | 0.138167 |
| 0.844 (8/3/2022) | 0.541 (12/17/2020) | (0.844 - 0.541)/(8 - 1) | 0.0432857 |
| ND<0.25 U (11/16/2022) | 0.541 (12/17/2020) | (0.25 - 0.541)/(9 - 1) | -0.036375 |
| 1.01 (2/13/2023) | 0.541 (12/17/2020) | (1.01 - 0.541)/(10 - 1) | 0.0521111 |
| 0.474 (5/24/2023) | 0.541 (12/17/2020) | (0.474 - 0.541)/(11 - 1) | -0.0067 |
| 0.393 (8/7/2023) | 0.541 (12/17/2020) | (0.393 - 0.541)/(12 - 1) | -0.0134545 |
| 0.262 (12/12/2023) | 0.541 (12/17/2020) | (0.262 - 0.541)/(13 - 1) | -0.02325 |
| 0.548 (1/10/2024) | 0.541 (12/17/2020) | (0.548 - 0.541)/(14 - 1) | 0.000538462 |
| ND<0.25 U (5/20/2024) | 0.541 (12/17/2020) | (0.25 - 0.541)/(15 - 1) | -0.0207857 |
| 0.403 (9/16/2024) | 0.541 (12/17/2020) | (0.403 - 0.541)/(16 - 1) | -0.0092 |
| 0.293 (12/11/2024) | 0.541 (12/17/2020) | (0.293 - 0.541)/(17 - 1) | -0.0155 |
| 0.593 (2/18/2025) | 0.541 (12/17/2020) | (0.593 - 0.541)/(18 - 1) | 0.00305882 |
| | | | |
| 1.24 (5/5/2021) | 0.407 (3/18/2021) | (1.24 - 0.407)/(3 - 2) | 0.833 |
| 2.49 (9/2/2021) | 0.407 (3/18/2021) | (2.49 - 0.407)/(4 - 2) | 1.0415 |
| ND<0.25 U (11/23/2021) | 0.407 (3/18/2021) | (0.25 - 0.407)/(5 - 2) | -0.0523333 |
| 0.805 (1/10/2022) | 0.407 (3/18/2021) | (0.805 - 0.407)/(6 - 2) | 0.0995 |
| 1.37 (4/7/2022) | 0.407 (3/18/2021) | (1.37 - 0.407)/(7 - 2) | 0.1926 |
| 0.844 (8/3/2022) | 0.407 (3/18/2021) | (0.844 - 0.407)/(8 - 2) | 0.0728333 |
| ND<0.25 U (11/16/2022) | 0.407 (3/18/2021) | (0.25 - 0.407)/(9 - 2) | -0.0224286 |
| 1.01 (2/13/2023) | 0.407 (3/18/2021) | (1.01 - 0.407)/(10 - 2) | 0.075375 |
| 0.474 (5/24/2023) | 0.407 (3/18/2021) | (0.474 - 0.407)/(11 - 2) | 0.00744444 |
| 0.393 (8/7/2023) | 0.407 (3/18/2021) | (0.393 - 0.407)/(12 - 2) | -0.0014 |
| 0.262 (12/12/2023) | 0.407 (3/18/2021) | (0.262 - 0.407)/(13 - 2) | -0.0131818 |
| 0.548 (1/10/2024) | 0.407 (3/18/2021) | (0.548 - 0.407)/(14 - 2) | 0.01175 |
| ND<0.25 U (5/20/2024) | 0.407 (3/18/2021) | (0.25 - 0.407)/(15 - 2) | -0.0120769 |
| 0.403 (9/16/2024) | 0.407 (3/18/2021) | (0.403 - 0.407)/(16 - 2) | -0.000285714 |
| 0.293 (12/11/2024) | 0.407 (3/18/2021) | (0.293 - 0.407)/(17 - 2) | -0.0076 |
| 0.593 (2/18/2025) | 0.407 (3/18/2021) | (0.593 - 0.407)/(18 - 2) | 0.011625 |
| | | | |
| 2.49 (9/2/2021) | 1.24 (5/5/2021) | (2.49 - 1.24)/(4 - 3) | 1.25 |
| ND<0.25 U (11/23/2021) | 1.24 (5/5/2021) | (0.25 - 1.24)/(5 - 3) | -0.495 |
| 0.805 (1/10/2022) | 1.24 (5/5/2021) | (0.805 - 1.24)/(6 - 3) | -0.145 |
| 1.37 (4/7/2022) | 1.24 (5/5/2021) | (1.37 - 1.24)/(7 - 3) | 0.0325 |
| 0.844 (8/3/2022) | 1.24 (5/5/2021) | (0.844 - 1.24)/(8 - 3) | -0.0792 |
| ND<0.25 U (11/16/2022) | 1.24 (5/5/2021) | (0.25 - 1.24)/(9 - 3) | -0.165 |
| 1.01 (2/13/2023) | 1.24 (5/5/2021) | (1.01 - 1.24)/(10 - 3) | -0.0328571 |
| 0.474 (5/24/2023) | 1.24 (5/5/2021) | (0.474 - 1.24)/(11 - 3) | -0.09575 |
| 0.393 (8/7/2023) | 1.24 (5/5/2021) | (0.393 - 1.24)/(12 - 3) | -0.0941111 |
| 0.262 (12/12/2023) | 1.24 (5/5/2021) | (0.262 - 1.24)/(13 - 3) | -0.0978 |
| 0.548 (1/10/2024) | 1.24 (5/5/2021) | (0.548 - 1.24)/(14 - 3) | -0.0629091 |
| ND<0.25 U (5/20/2024) | 1.24 (5/5/2021) | (0.25 - 1.24)/(15 - 3) | -0.0825 |
| 0.403 (9/16/2024) | 1.24 (5/5/2021) | (0.403 - 1.24)/(16 - 3) | -0.0643846 |

| | | | |
|---|---|---|---|
| 0.293 (12/11/2024) | 1.24 (5/5/2021) | (0.293 - 1.24)/(17 - 3) | -0.0676429 |
| 0.593 (2/18/2025) | 1.24 (5/5/2021) | (0.593 - 1.24)/(18 - 3) | -0.0431333 |
| | | | |
| ND<0.25 U (11/23/2021) | 2.49 (9/2/2021) | (0.25 - 2.49)/(5 - 4) | -2.24 |
| 0.805 (1/10/2022) | 2.49 (9/2/2021) | (0.805 - 2.49)/(6 - 4) | -0.8425 |
| 1.37 (4/7/2022) | 2.49 (9/2/2021) | (1.37 - 2.49)/(7 - 4) | -0.373333 |
| 0.844 (8/3/2022) | 2.49 (9/2/2021) | (0.844 - 2.49)/(8 - 4) | -0.4115 |
| ND<0.25 U (11/16/2022) | 2.49 (9/2/2021) | (0.25 - 2.49)/(9 - 4) | -0.448 |
| 1.01 (2/13/2023) | 2.49 (9/2/2021) | (1.01 - 2.49)/(10 - 4) | -0.246667 |
| 0.474 (5/24/2023) | 2.49 (9/2/2021) | (0.474 - 2.49)/(11 - 4) | -0.288 |
| 0.393 (8/7/2023) | 2.49 (9/2/2021) | (0.393 - 2.49)/(12 - 4) | -0.262125 |
| 0.262 (12/12/2023) | 2.49 (9/2/2021) | (0.262 - 2.49)/(13 - 4) | -0.247556 |
| 0.548 (1/10/2024) | 2.49 (9/2/2021) | (0.548 - 2.49)/(14 - 4) | -0.1942 |
| ND<0.25 U (5/20/2024) | 2.49 (9/2/2021) | (0.25 - 2.49)/(15 - 4) | -0.203636 |
| 0.403 (9/16/2024) | 2.49 (9/2/2021) | (0.403 - 2.49)/(16 - 4) | -0.173917 |
| 0.293 (12/11/2024) | 2.49 (9/2/2021) | (0.293 - 2.49)/(17 - 4) | -0.169 |
| 0.593 (2/18/2025) | 2.49 (9/2/2021) | (0.593 - 2.49)/(18 - 4) | -0.1355 |
| | | | |
| 0.805 (1/10/2022) | ND<0.25 U (11/23/2021) | (0.805 - 0.25)/(6 - 5) | 0.555 |
| 1.37 (4/7/2022) | ND<0.25 U (11/23/2021) | (1.37 - 0.25)/(7 - 5) | 0.56 |
| 0.844 (8/3/2022) | ND<0.25 U (11/23/2021) | (0.844 - 0.25)/(8 - 5) | 0.198 |
| ND<0.25 U (11/16/2022) | ND<0.25 U (11/23/2021) | (0.25 - 0.25)/(9 - 5) | 0 |
| 1.01 (2/13/2023) | ND<0.25 U (11/23/2021) | (1.01 - 0.25)/(10 - 5) | 0.152 |
| 0.474 (5/24/2023) | ND<0.25 U (11/23/2021) | (0.474 - 0.25)/(11 - 5) | 0.0373333 |
| 0.393 (8/7/2023) | ND<0.25 U (11/23/2021) | (0.393 - 0.25)/(12 - 5) | 0.0204286 |
| 0.262 (12/12/2023) | ND<0.25 U (11/23/2021) | (0.262 - 0.25)/(13 - 5) | 0.0015 |
| 0.548 (1/10/2024) | ND<0.25 U (11/23/2021) | (0.548 - 0.25)/(14 - 5) | 0.0331111 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (11/23/2021) | (0.25 - 0.25)/(15 - 5) | 0 |
| 0.403 (9/16/2024) | ND<0.25 U (11/23/2021) | (0.403 - 0.25)/(16 - 5) | 0.0139091 |
| 0.293 (12/11/2024) | ND<0.25 U (11/23/2021) | (0.293 - 0.25)/(17 - 5) | 0.00358333 |
| 0.593 (2/18/2025) | ND<0.25 U (11/23/2021) | (0.593 - 0.25)/(18 - 5) | 0.0263846 |
| | | | |
| 1.37 (4/7/2022) | 0.805 (1/10/2022) | (1.37 - 0.805)/(7 - 6) | 0.565 |
| 0.844 (8/3/2022) | 0.805 (1/10/2022) | (0.844 - 0.805)/(8 - 6) | 0.0195 |
| ND<0.25 U (11/16/2022) | 0.805 (1/10/2022) | (0.25 - 0.805)/(9 - 6) | -0.185 |
| 1.01 (2/13/2023) | 0.805 (1/10/2022) | (1.01 - 0.805)/(10 - 6) | 0.05125 |
| 0.474 (5/24/2023) | 0.805 (1/10/2022) | (0.474 - 0.805)/(11 - 6) | -0.0662 |
| 0.393 (8/7/2023) | 0.805 (1/10/2022) | (0.393 - 0.805)/(12 - 6) | -0.0686667 |
| 0.262 (12/12/2023) | 0.805 (1/10/2022) | (0.262 - 0.805)/(13 - 6) | -0.0775714 |
| 0.548 (1/10/2024) | 0.805 (1/10/2022) | (0.548 - 0.805)/(14 - 6) | -0.032125 |
| ND<0.25 U (5/20/2024) | 0.805 (1/10/2022) | (0.25 - 0.805)/(15 - 6) | -0.0616667 |
| 0.403 (9/16/2024) | 0.805 (1/10/2022) | (0.403 - 0.805)/(16 - 6) | -0.0402 |
| 0.293 (12/11/2024) | 0.805 (1/10/2022) | (0.293 - 0.805)/(17 - 6) | -0.0465455 |
| 0.593 (2/18/2025) | 0.805 (1/10/2022) | (0.593 - 0.805)/(18 - 6) | -0.0176667 |
| | | | |
| 0.844 (8/3/2022) | 1.37 (4/7/2022) | (0.844 - 1.37)/(8 - 7) | -0.526 |
| ND<0.25 U (11/16/2022) | 1.37 (4/7/2022) | (0.25 - 1.37)/(9 - 7) | -0.56 |
| 1.01 (2/13/2023) | 1.37 (4/7/2022) | (1.01 - 1.37)/(10 - 7) | -0.12 |
| 0.474 (5/24/2023) | 1.37 (4/7/2022) | (0.474 - 1.37)/(11 - 7) | -0.224 |
| 0.393 (8/7/2023) | 1.37 (4/7/2022) | (0.393 - 1.37)/(12 - 7) | -0.1954 |
| 0.262 (12/12/2023) | 1.37 (4/7/2022) | (0.262 - 1.37)/(13 - 7) | -0.184667 |
| 0.548 (1/10/2024) | 1.37 (4/7/2022) | (0.548 - 1.37)/(14 - 7) | -0.117429 |
| ND<0.25 U (5/20/2024) | 1.37 (4/7/2022) | (0.25 - 1.37)/(15 - 7) | -0.14 |
| 0.403 (9/16/2024) | 1.37 (4/7/2022) | (0.403 - 1.37)/(16 - 7) | -0.107444 |
| 0.293 (12/11/2024) | 1.37 (4/7/2022) | (0.293 - 1.37)/(17 - 7) | -0.1077 |
| 0.593 (2/18/2025) | 1.37 (4/7/2022) | (0.593 - 1.37)/(18 - 7) | -0.0706364 |

| | | | |
|---|---|---|---|
| ND<0.25 U (11/16/2022) | 0.844 (8/3/2022) | (0.25 - 0.844)/(9 - 8) | -0.594 |
| 1.01 (2/13/2023) | 0.844 (8/3/2022) | (1.01 - 0.844)/(10 - 8) | 0.083 |
| 0.474 (5/24/2023) | 0.844 (8/3/2022) | (0.474 - 0.844)/(11 - 8) | -0.123333 |
| 0.393 (8/7/2023) | 0.844 (8/3/2022) | (0.393 - 0.844)/(12 - 8) | -0.11275 |
| 0.262 (12/12/2023) | 0.844 (8/3/2022) | (0.262 - 0.844)/(13 - 8) | -0.1164 |
| 0.548 (1/10/2024) | 0.844 (8/3/2022) | (0.548 - 0.844)/(14 - 8) | -0.0493333 |
| ND<0.25 U (5/20/2024) | 0.844 (8/3/2022) | (0.25 - 0.844)/(15 - 8) | -0.0848571 |
| 0.403 (9/16/2024) | 0.844 (8/3/2022) | (0.403 - 0.844)/(16 - 8) | -0.055125 |
| 0.293 (12/11/2024) | 0.844 (8/3/2022) | (0.293 - 0.844)/(17 - 8) | -0.0612222 |
| 0.593 (2/18/2025) | 0.844 (8/3/2022) | (0.593 - 0.844)/(18 - 8) | -0.0251 |
| | | | |
| 1.01 (2/13/2023) | ND<0.25 U (11/16/2022) | (1.01 - 0.25)/(10 - 9) | 0.76 |
| 0.474 (5/24/2023) | ND<0.25 U (11/16/2022) | (0.474 - 0.25)/(11 - 9) | 0.112 |
| 0.393 (8/7/2023) | ND<0.25 U (11/16/2022) | (0.393 - 0.25)/(12 - 9) | 0.0476667 |
| 0.262 (12/12/2023) | ND<0.25 U (11/16/2022) | (0.262 - 0.25)/(13 - 9) | 0.003 |
| 0.548 (1/10/2024) | ND<0.25 U (11/16/2022) | (0.548 - 0.25)/(14 - 9) | 0.0596 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (11/16/2022) | (0.25 - 0.25)/(15 - 9) | 0 |
| 0.403 (9/16/2024) | ND<0.25 U (11/16/2022) | (0.403 - 0.25)/(16 - 9) | 0.0218571 |
| 0.293 (12/11/2024) | ND<0.25 U (11/16/2022) | (0.293 - 0.25)/(17 - 9) | 0.005375 |
| 0.593 (2/18/2025) | ND<0.25 U (11/16/2022) | (0.593 - 0.25)/(18 - 9) | 0.0381111 |
| | | | |
| 0.474 (5/24/2023) | 1.01 (2/13/2023) | (0.474 - 1.01)/(11 - 10) | -0.536 |
| 0.393 (8/7/2023) | 1.01 (2/13/2023) | (0.393 - 1.01)/(12 - 10) | -0.3085 |
| 0.262 (12/12/2023) | 1.01 (2/13/2023) | (0.262 - 1.01)/(13 - 10) | -0.249333 |
| 0.548 (1/10/2024) | 1.01 (2/13/2023) | (0.548 - 1.01)/(14 - 10) | -0.1155 |
| ND<0.25 U (5/20/2024) | 1.01 (2/13/2023) | (0.25 - 1.01)/(15 - 10) | -0.152 |
| 0.403 (9/16/2024) | 1.01 (2/13/2023) | (0.403 - 1.01)/(16 - 10) | -0.101167 |
| 0.293 (12/11/2024) | 1.01 (2/13/2023) | (0.293 - 1.01)/(17 - 10) | -0.102429 |
| 0.593 (2/18/2025) | 1.01 (2/13/2023) | (0.593 - 1.01)/(18 - 10) | -0.052125 |
| | | | |
| 0.393 (8/7/2023) | 0.474 (5/24/2023) | (0.393 - 0.474)/(12 - 11) | -0.081 |
| 0.262 (12/12/2023) | 0.474 (5/24/2023) | (0.262 - 0.474)/(13 - 11) | -0.106 |
| 0.548 (1/10/2024) | 0.474 (5/24/2023) | (0.548 - 0.474)/(14 - 11) | 0.0246667 |
| ND<0.25 U (5/20/2024) | 0.474 (5/24/2023) | (0.25 - 0.474)/(15 - 11) | -0.056 |
| 0.403 (9/16/2024) | 0.474 (5/24/2023) | (0.403 - 0.474)/(16 - 11) | -0.0142 |
| 0.293 (12/11/2024) | 0.474 (5/24/2023) | (0.293 - 0.474)/(17 - 11) | -0.0301667 |
| 0.593 (2/18/2025) | 0.474 (5/24/2023) | (0.593 - 0.474)/(18 - 11) | 0.017 |
| | | | |
| 0.262 (12/12/2023) | 0.393 (8/7/2023) | (0.262 - 0.393)/(13 - 12) | -0.131 |
| 0.548 (1/10/2024) | 0.393 (8/7/2023) | (0.548 - 0.393)/(14 - 12) | 0.0775 |
| ND<0.25 U (5/20/2024) | 0.393 (8/7/2023) | (0.25 - 0.393)/(15 - 12) | -0.0476667 |
| 0.403 (9/16/2024) | 0.393 (8/7/2023) | (0.403 - 0.393)/(16 - 12) | 0.0025 |
| 0.293 (12/11/2024) | 0.393 (8/7/2023) | (0.293 - 0.393)/(17 - 12) | -0.02 |
| 0.593 (2/18/2025) | 0.393 (8/7/2023) | (0.593 - 0.393)/(18 - 12) | 0.0333333 |
| | | | |
| 0.548 (1/10/2024) | 0.262 (12/12/2023) | (0.548 - 0.262)/(14 - 13) | 0.286 |
| ND<0.25 U (5/20/2024) | 0.262 (12/12/2023) | (0.25 - 0.262)/(15 - 13) | -0.006 |
| 0.403 (9/16/2024) | 0.262 (12/12/2023) | (0.403 - 0.262)/(16 - 13) | 0.047 |
| 0.293 (12/11/2024) | 0.262 (12/12/2023) | (0.293 - 0.262)/(17 - 13) | 0.00775 |
| 0.593 (2/18/2025) | 0.262 (12/12/2023) | (0.593 - 0.262)/(18 - 13) | 0.0662 |
| | | | |
| ND<0.25 U (5/20/2024) | 0.548 (1/10/2024) | (0.25 - 0.548)/(15 - 14) | -0.298 |
| 0.403 (9/16/2024) | 0.548 (1/10/2024) | (0.403 - 0.548)/(16 - 14) | -0.0725 |
| 0.293 (12/11/2024) | 0.548 (1/10/2024) | (0.293 - 0.548)/(17 - 14) | -0.085 |
| 0.593 (2/18/2025) | 0.548 (1/10/2024) | (0.593 - 0.548)/(18 - 14) | 0.01125 |
| | | | |
| 0.403 (9/16/2024) | ND<0.25 U (5/20/2024) | (0.403 - 0.25)/(16 - 15) | 0.153 |

| | | | |
|---|---|---|---|
| 0.293 (12/11/2024) | ND<0.25 U (5/20/2024) | (0.293 - 0.25)/(17 - 15) | 0.0215 |
| 0.593 (2/18/2025) | ND<0.25 U (5/20/2024) | (0.593 - 0.25)/(18 - 15) | 0.114333 |
| 0.293 (12/11/2024) | 0.403 (9/16/2024) | (0.293 - 0.403)/(17 - 16) | -0.11 |
| 0.593 (2/18/2025) | 0.403 (9/16/2024) | (0.593 - 0.403)/(18 - 16) | 0.095 |
| 0.593 (2/18/2025) | 0.293 (12/11/2024) | (0.593 - 0.293)/(18 - 17) | 0.3 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -2.24 |
| 2 | -0.8425 |
| 3 | -0.594 |
| 4 | -0.56 |
| 5 | -0.536 |
| 6 | -0.526 |
| 7 | -0.495 |
| 8 | -0.448 |
| 9 | -0.4115 |
| 10 | -0.373333 |
| 11 | -0.3085 |
| 12 | -0.298 |
| 13 | -0.288 |
| 14 | -0.262125 |
| 15 | -0.249333 |
| 16 | -0.247556 |
| 17 | -0.246667 |
| 18 | -0.224 |
| 19 | -0.203636 |
| 20 | -0.1954 |
| 21 | -0.1942 |
| 22 | -0.185 |
| 23 | -0.184667 |
| 24 | -0.173917 |
| 25 | -0.169 |
| 26 | -0.165 |
| 27 | -0.152 |
| 28 | -0.145 |
| 29 | -0.14 |
| 30 | -0.1355 |
| 31 | -0.134 |
| 32 | -0.131 |
| 33 | -0.123333 |
| 34 | -0.12 |
| 35 | -0.117429 |
| 36 | -0.1164 |
| 37 | -0.1155 |
| 38 | -0.11275 |
| 39 | -0.11 |
| 40 | -0.1077 |
| 41 | -0.107444 |
| 42 | -0.106 |
| 43 | -0.102429 |
| 44 | -0.101167 |

| | |
|---|---|
| 45 | -0.0978 |
| 46 | -0.09575 |
| 47 | -0.0941111 |
| 48 | -0.085 |
| 49 | -0.0848571 |
| 50 | -0.0825 |
| 51 | -0.081 |
| 52 | -0.0792 |
| 53 | -0.0775714 |
| 54 | -0.07275 |
| 55 | -0.0725 |
| 56 | -0.0706364 |
| 57 | -0.0686667 |
| 58 | -0.0676429 |
| 59 | -0.0662 |
| 60 | -0.0643846 |
| 61 | -0.0629091 |
| 62 | -0.0616667 |
| 63 | -0.0612222 |
| 64 | -0.056 |
| 65 | -0.055125 |
| 66 | -0.0523333 |
| 67 | -0.052125 |
| 68 | -0.0493333 |
| 69 | -0.0476667 |
| 70 | -0.0465455 |
| 71 | -0.0431333 |
| 72 | -0.0402 |
| 73 | -0.036375 |
| 74 | -0.0328571 |
| 75 | -0.032125 |
| 76 | -0.0301667 |
| 77 | -0.0251 |
| 78 | -0.02325 |
| 79 | -0.0224286 |
| 80 | -0.0207857 |
| 81 | -0.02 |
| 82 | -0.0176667 |
| 83 | -0.0155 |
| 84 | -0.0142 |
| 85 | -0.0134545 |
| 86 | -0.0131818 |
| 87 | -0.0120769 |
| 88 | -0.0092 |
| 89 | -0.0076 |
| 90 | -0.0067 |
| 91 | -0.006 |
| 92 | -0.0014 |
| 93 | -0.000285714 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0.000538462 |
| 98 | 0.0015 |
| 99 | 0.0025 |
| 100 | 0.003 |
| 101 | 0.00305882 |

| | |
|---|---|
| 102 | 0.00358333 |
| 103 | 0.005375 |
| 104 | 0.00744444 |
| 105 | 0.00775 |
| 106 | 0.01125 |
| 107 | 0.011625 |
| 108 | 0.01175 |
| 109 | 0.0139091 |
| 110 | 0.017 |
| 111 | 0.0195 |
| 112 | 0.0204286 |
| 113 | 0.0215 |
| 114 | 0.0218571 |
| 115 | 0.0246667 |
| 116 | 0.0263846 |
| 117 | 0.0325 |
| 118 | 0.0331111 |
| 119 | 0.0333333 |
| 120 | 0.0373333 |
| 121 | 0.0381111 |
| 122 | 0.0432857 |
| 123 | 0.047 |
| 124 | 0.0476667 |
| 125 | 0.05125 |
| 126 | 0.0521111 |
| 127 | 0.0528 |
| 128 | 0.0596 |
| 129 | 0.0662 |
| 130 | 0.0728333 |
| 131 | 0.075375 |
| 132 | 0.0775 |
| 133 | 0.083 |
| 134 | 0.095 |
| 135 | 0.0995 |
| 136 | 0.112 |
| 137 | 0.114333 |
| 138 | 0.138167 |
| 139 | 0.152 |
| 140 | 0.153 |
| 141 | 0.1926 |
| 142 | 0.198 |
| 143 | 0.286 |
| 144 | 0.3 |
| 145 | 0.3495 |
| 146 | 0.555 |
| 147 | 0.56 |
| 148 | 0.565 |
| 149 | 0.649667 |
| 150 | 0.76 |
| 151 | 0.833 |
| 152 | 1.0415 |
| 153 | 1.25 |

Sen's Estimator (Median Q) is -0.0251

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.25 | 3 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 66
B = 0
C = 6
D = 0
E = 6
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 693.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.311
M1 = (153 - 43.311)/2.0 = 54.8445
M2 = (153 + 43.311)/2.0 + 1 = 99.1555
Lower limit is -0.0725 = Q(55)
Upper limit is 0.0025 = Q(99)
-0.0725 < 0 < 0.0025 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 10
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.94 (8/3/2022) | 0.477 (4/7/2022) | (0.94 - 0.477)/(2 - 1) | 0.463 |
| 0.516 (11/16/2022) | 0.477 (4/7/2022) | (0.516 - 0.477)/(3 - 1) | 0.0195 |
| 0.773 (2/13/2023) | 0.477 (4/7/2022) | (0.773 - 0.477)/(4 - 1) | 0.0986667 |
| 0.349 (5/24/2023) | 0.477 (4/7/2022) | (0.349 - 0.477)/(5 - 1) | -0.032 |
| 0.903 (8/7/2023) | 0.477 (4/7/2022) | (0.903 - 0.477)/(6 - 1) | 0.0852 |
| 0.633 (12/12/2023) | 0.477 (4/7/2022) | (0.633 - 0.477)/(7 - 1) | 0.026 |
| 0.468 (1/10/2024) | 0.477 (4/7/2022) | (0.468 - 0.477)/(8 - 1) | -0.00128571 |
| 0.326 (5/20/2024) | 0.477 (4/7/2022) | (0.326 - 0.477)/(9 - 1) | -0.018875 |
| 1.38 (9/16/2024) | 0.477 (4/7/2022) | (1.38 - 0.477)/(10 - 1) | 0.100333 |
| 0.7 (12/11/2024) | 0.477 (4/7/2022) | (0.7 - 0.477)/(11 - 1) | 0.0223 |
| 0.371 (2/18/2025) | 0.477 (4/7/2022) | (0.371 - 0.477)/(12 - 1) | -0.00963636 |
| | | | |
| 0.516 (11/16/2022) | 0.94 (8/3/2022) | (0.516 - 0.94)/(3 - 2) | -0.424 |
| 0.773 (2/13/2023) | 0.94 (8/3/2022) | (0.773 - 0.94)/(4 - 2) | -0.0835 |
| 0.349 (5/24/2023) | 0.94 (8/3/2022) | (0.349 - 0.94)/(5 - 2) | -0.197 |
| 0.903 (8/7/2023) | 0.94 (8/3/2022) | (0.903 - 0.94)/(6 - 2) | -0.00925 |
| 0.633 (12/12/2023) | 0.94 (8/3/2022) | (0.633 - 0.94)/(7 - 2) | -0.0614 |
| 0.468 (1/10/2024) | 0.94 (8/3/2022) | (0.468 - 0.94)/(8 - 2) | -0.0786667 |
| 0.326 (5/20/2024) | 0.94 (8/3/2022) | (0.326 - 0.94)/(9 - 2) | -0.0877143 |
| 1.38 (9/16/2024) | 0.94 (8/3/2022) | (1.38 - 0.94)/(10 - 2) | 0.055 |
| 0.7 (12/11/2024) | 0.94 (8/3/2022) | (0.7 - 0.94)/(11 - 2) | -0.0266667 |
| 0.371 (2/18/2025) | 0.94 (8/3/2022) | (0.371 - 0.94)/(12 - 2) | -0.0569 |
| | | | |
| 0.773 (2/13/2023) | 0.516 (11/16/2022) | (0.773 - 0.516)/(4 - 3) | 0.257 |
| 0.349 (5/24/2023) | 0.516 (11/16/2022) | (0.349 - 0.516)/(5 - 3) | -0.0835 |
| 0.903 (8/7/2023) | 0.516 (11/16/2022) | (0.903 - 0.516)/(6 - 3) | 0.129 |
| 0.633 (12/12/2023) | 0.516 (11/16/2022) | (0.633 - 0.516)/(7 - 3) | 0.02925 |
| 0.468 (1/10/2024) | 0.516 (11/16/2022) | (0.468 - 0.516)/(8 - 3) | -0.0096 |
| 0.326 (5/20/2024) | 0.516 (11/16/2022) | (0.326 - 0.516)/(9 - 3) | -0.0316667 |
| 1.38 (9/16/2024) | 0.516 (11/16/2022) | (1.38 - 0.516)/(10 - 3) | 0.123429 |
| 0.7 (12/11/2024) | 0.516 (11/16/2022) | (0.7 - 0.516)/(11 - 3) | 0.023 |
| 0.371 (2/18/2025) | 0.516 (11/16/2022) | (0.371 - 0.516)/(12 - 3) | -0.0161111 |
| | | | |
| 0.349 (5/24/2023) | 0.773 (2/13/2023) | (0.349 - 0.773)/(5 - 4) | -0.424 |
| 0.903 (8/7/2023) | 0.773 (2/13/2023) | (0.903 - 0.773)/(6 - 4) | 0.065 |
| 0.633 (12/12/2023) | 0.773 (2/13/2023) | (0.633 - 0.773)/(7 - 4) | -0.0466667 |
| 0.468 (1/10/2024) | 0.773 (2/13/2023) | (0.468 - 0.773)/(8 - 4) | -0.07625 |
| 0.326 (5/20/2024) | 0.773 (2/13/2023) | (0.326 - 0.773)/(9 - 4) | -0.0894 |
| 1.38 (9/16/2024) | 0.773 (2/13/2023) | (1.38 - 0.773)/(10 - 4) | 0.101167 |
| 0.7 (12/11/2024) | 0.773 (2/13/2023) | (0.7 - 0.773)/(11 - 4) | -0.0104286 |
| 0.371 (2/18/2025) | 0.773 (2/13/2023) | (0.371 - 0.773)/(12 - 4) | -0.05025 |
| | | | |
| 0.903 (8/7/2023) | 0.349 (5/24/2023) | (0.903 - 0.349)/(6 - 5) | 0.554 |
| 0.633 (12/12/2023) | 0.349 (5/24/2023) | (0.633 - 0.349)/(7 - 5) | 0.142 |
| 0.468 (1/10/2024) | 0.349 (5/24/2023) | (0.468 - 0.349)/(8 - 5) | 0.0396667 |
| 0.326 (5/20/2024) | 0.349 (5/24/2023) | (0.326 - 0.349)/(9 - 5) | -0.00575 |
| 1.38 (9/16/2024) | 0.349 (5/24/2023) | (1.38 - 0.349)/(10 - 5) | 0.2062 |
| 0.7 (12/11/2024) | 0.349 (5/24/2023) | (0.7 - 0.349)/(11 - 5) | 0.0585 |

| | | | |
|---|---|---|---|
| 0.371 (2/18/2025) | 0.349 (5/24/2023) | (0.371 - 0.349)/(12 - 5) | 0.00314286 |
| | | | |
| 0.633 (12/12/2023) | 0.903 (8/7/2023) | (0.633 - 0.903)/(7 - 6) | -0.27 |
| 0.468 (1/10/2024) | 0.903 (8/7/2023) | (0.468 - 0.903)/(8 - 6) | -0.2175 |
| 0.326 (5/20/2024) | 0.903 (8/7/2023) | (0.326 - 0.903)/(9 - 6) | -0.192333 |
| 1.38 (9/16/2024) | 0.903 (8/7/2023) | (1.38 - 0.903)/(10 - 6) | 0.11925 |
| 0.7 (12/11/2024) | 0.903 (8/7/2023) | (0.7 - 0.903)/(11 - 6) | -0.0406 |
| 0.371 (2/18/2025) | 0.903 (8/7/2023) | (0.371 - 0.903)/(12 - 6) | -0.0886667 |
| | | | |
| 0.468 (1/10/2024) | 0.633 (12/12/2023) | (0.468 - 0.633)/(8 - 7) | -0.165 |
| 0.326 (5/20/2024) | 0.633 (12/12/2023) | (0.326 - 0.633)/(9 - 7) | -0.1535 |
| 1.38 (9/16/2024) | 0.633 (12/12/2023) | (1.38 - 0.633)/(10 - 7) | 0.249 |
| 0.7 (12/11/2024) | 0.633 (12/12/2023) | (0.7 - 0.633)/(11 - 7) | 0.01675 |
| 0.371 (2/18/2025) | 0.633 (12/12/2023) | (0.371 - 0.633)/(12 - 7) | -0.0524 |
| | | | |
| 0.326 (5/20/2024) | 0.468 (1/10/2024) | (0.326 - 0.468)/(9 - 8) | -0.142 |
| 1.38 (9/16/2024) | 0.468 (1/10/2024) | (1.38 - 0.468)/(10 - 8) | 0.456 |
| 0.7 (12/11/2024) | 0.468 (1/10/2024) | (0.7 - 0.468)/(11 - 8) | 0.0773333 |
| 0.371 (2/18/2025) | 0.468 (1/10/2024) | (0.371 - 0.468)/(12 - 8) | -0.02425 |
| | | | |
| 1.38 (9/16/2024) | 0.326 (5/20/2024) | (1.38 - 0.326)/(10 - 9) | 1.054 |
| 0.7 (12/11/2024) | 0.326 (5/20/2024) | (0.7 - 0.326)/(11 - 9) | 0.187 |
| 0.371 (2/18/2025) | 0.326 (5/20/2024) | (0.371 - 0.326)/(12 - 9) | 0.015 |
| | | | |
| 0.7 (12/11/2024) | 1.38 (9/16/2024) | (0.7 - 1.38)/(11 - 10) | -0.68 |
| 0.371 (2/18/2025) | 1.38 (9/16/2024) | (0.371 - 1.38)/(12 - 10) | -0.5045 |
| | | | |
| 0.371 (2/18/2025) | 0.7 (12/11/2024) | (0.371 - 0.7)/(12 - 11) | -0.329 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.68 |
| 2 | -0.5045 |
| 3 | -0.424 |
| 4 | -0.424 |
| 5 | -0.329 |
| 6 | -0.27 |
| 7 | -0.2175 |
| 8 | -0.197 |
| 9 | -0.192333 |
| 10 | -0.165 |
| 11 | -0.1535 |
| 12 | -0.142 |
| 13 | -0.0894 |
| 14 | -0.0886667 |
| 15 | -0.0877143 |
| 16 | -0.0835 |
| 17 | -0.0835 |
| 18 | -0.0786667 |
| 19 | -0.07625 |
| 20 | -0.0614 |
| 21 | -0.0569 |
| 22 | -0.0524 |
| 23 | -0.05025 |

| | |
|---|---|
| 24 | -0.0466667 |
| 25 | -0.0406 |
| 26 | -0.032 |
| 27 | -0.0316667 |
| 28 | -0.0266667 |
| 29 | -0.02425 |
| 30 | -0.018875 |
| 31 | -0.0161111 |
| 32 | -0.0104286 |
| 33 | -0.00963636 |
| 34 | -0.0096 |
| 35 | -0.00925 |
| 36 | -0.00575 |
| 37 | -0.00128571 |
| 38 | 0.00314286 |
| 39 | 0.015 |
| 40 | 0.01675 |
| 41 | 0.0195 |
| 42 | 0.0223 |
| 43 | 0.023 |
| 44 | 0.026 |
| 45 | 0.02925 |
| 46 | 0.0396667 |
| 47 | 0.055 |
| 48 | 0.0585 |
| 49 | 0.065 |
| 50 | 0.0773333 |
| 51 | 0.0852 |
| 52 | 0.0986667 |
| 53 | 0.100333 |
| 54 | 0.101167 |
| 55 | 0.11925 |
| 56 | 0.123429 |
| 57 | 0.129 |
| 58 | 0.142 |
| 59 | 0.187 |
| 60 | 0.2062 |
| 61 | 0.249 |
| 62 | 0.257 |
| 63 | 0.456 |
| 64 | 0.463 |
| 65 | 0.554 |
| 66 | 1.054 |

Sen's Estimator (Median Q) is -0.00961818

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |

There are 0 time periods with multiple data

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 212.667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.987
M1 = (66 - 23.987)/2.0 = 21.0065
M2 = (66 + 23.987)/2.0 + 1 = 45.9935
Lower limit is -0.0569 = Q(21)
Upper limit is 0.0396667 = Q(46)
-0.0569 < 0 < 0.0396667 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: TKN
### Location: SME 9
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.582 (8/3/2022) | 0.529 (4/7/2022) | (0.582 - 0.529)/(2 - 1) | 0.053 |
| ND<0.25 U (11/16/2022) | 0.529 (4/7/2022) | (0.25 - 0.529)/(3 - 1) | -0.1395 |
| 0.783 (2/13/2023) | 0.529 (4/7/2022) | (0.783 - 0.529)/(4 - 1) | 0.0846667 |
| 0.66 (5/24/2023) | 0.529 (4/7/2022) | (0.66 - 0.529)/(5 - 1) | 0.03275 |
| 1.36 (8/7/2023) | 0.529 (4/7/2022) | (1.36 - 0.529)/(6 - 1) | 0.1662 |
| 0.345 (12/12/2023) | 0.529 (4/7/2022) | (0.345 - 0.529)/(7 - 1) | -0.0306667 |
| 1.87 (1/10/2024) | 0.529 (4/7/2022) | (1.87 - 0.529)/(8 - 1) | 0.191571 |
| ND<0.25 U (5/20/2024) | 0.529 (4/7/2022) | (0.25 - 0.529)/(9 - 1) | -0.034875 |
| 0.58 (9/16/2024) | 0.529 (4/7/2022) | (0.58 - 0.529)/(10 - 1) | 0.00566667 |
| 0.454 (12/11/2024) | 0.529 (4/7/2022) | (0.454 - 0.529)/(11 - 1) | -0.0075 |
| 0.833 (2/18/2025) | 0.529 (4/7/2022) | (0.833 - 0.529)/(12 - 1) | 0.0276364 |
| | | | |
| ND<0.25 U (11/16/2022) | 0.582 (8/3/2022) | (0.25 - 0.582)/(3 - 2) | -0.332 |
| 0.783 (2/13/2023) | 0.582 (8/3/2022) | (0.783 - 0.582)/(4 - 2) | 0.1005 |
| 0.66 (5/24/2023) | 0.582 (8/3/2022) | (0.66 - 0.582)/(5 - 2) | 0.026 |
| 1.36 (8/7/2023) | 0.582 (8/3/2022) | (1.36 - 0.582)/(6 - 2) | 0.1945 |
| 0.345 (12/12/2023) | 0.582 (8/3/2022) | (0.345 - 0.582)/(7 - 2) | -0.0474 |
| 1.87 (1/10/2024) | 0.582 (8/3/2022) | (1.87 - 0.582)/(8 - 2) | 0.214667 |
| ND<0.25 U (5/20/2024) | 0.582 (8/3/2022) | (0.25 - 0.582)/(9 - 2) | -0.0474286 |
| 0.58 (9/16/2024) | 0.582 (8/3/2022) | (0.58 - 0.582)/(10 - 2) | -0.00025 |
| 0.454 (12/11/2024) | 0.582 (8/3/2022) | (0.454 - 0.582)/(11 - 2) | -0.0142222 |
| 0.833 (2/18/2025) | 0.582 (8/3/2022) | (0.833 - 0.582)/(12 - 2) | 0.0251 |
| | | | |
| 0.783 (2/13/2023) | ND<0.25 U (11/16/2022) | (0.783 - 0.25)/(4 - 3) | 0.533 |
| 0.66 (5/24/2023) | ND<0.25 U (11/16/2022) | (0.66 - 0.25)/(5 - 3) | 0.205 |
| 1.36 (8/7/2023) | ND<0.25 U (11/16/2022) | (1.36 - 0.25)/(6 - 3) | 0.37 |
| 0.345 (12/12/2023) | ND<0.25 U (11/16/2022) | (0.345 - 0.25)/(7 - 3) | 0.02375 |
| 1.87 (1/10/2024) | ND<0.25 U (11/16/2022) | (1.87 - 0.25)/(8 - 3) | 0.324 |
| ND<0.25 U (5/20/2024) | ND<0.25 U (11/16/2022) | (0.25 - 0.25)/(9 - 3) | 0 |
| 0.58 (9/16/2024) | ND<0.25 U (11/16/2022) | (0.58 - 0.25)/(10 - 3) | 0.0471429 |
| 0.454 (12/11/2024) | ND<0.25 U (11/16/2022) | (0.454 - 0.25)/(11 - 3) | 0.0255 |
| 0.833 (2/18/2025) | ND<0.25 U (11/16/2022) | (0.833 - 0.25)/(12 - 3) | 0.0647778 |
| | | | |
| 0.66 (5/24/2023) | 0.783 (2/13/2023) | (0.66 - 0.783)/(5 - 4) | -0.123 |
| 1.36 (8/7/2023) | 0.783 (2/13/2023) | (1.36 - 0.783)/(6 - 4) | 0.2885 |
| 0.345 (12/12/2023) | 0.783 (2/13/2023) | (0.345 - 0.783)/(7 - 4) | -0.146 |
| 1.87 (1/10/2024) | 0.783 (2/13/2023) | (1.87 - 0.783)/(8 - 4) | 0.27175 |
| ND<0.25 U (5/20/2024) | 0.783 (2/13/2023) | (0.25 - 0.783)/(9 - 4) | -0.1066 |
| 0.58 (9/16/2024) | 0.783 (2/13/2023) | (0.58 - 0.783)/(10 - 4) | -0.0338333 |
| 0.454 (12/11/2024) | 0.783 (2/13/2023) | (0.454 - 0.783)/(11 - 4) | -0.047 |
| 0.833 (2/18/2025) | 0.783 (2/13/2023) | (0.833 - 0.783)/(12 - 4) | 0.00625 |
| | | | |
| 1.36 (8/7/2023) | 0.66 (5/24/2023) | (1.36 - 0.66)/(6 - 5) | 0.7 |
| 0.345 (12/12/2023) | 0.66 (5/24/2023) | (0.345 - 0.66)/(7 - 5) | -0.1575 |
| 1.87 (1/10/2024) | 0.66 (5/24/2023) | (1.87 - 0.66)/(8 - 5) | 0.403333 |
| ND<0.25 U (5/20/2024) | 0.66 (5/24/2023) | (0.25 - 0.66)/(9 - 5) | -0.1025 |
| 0.58 (9/16/2024) | 0.66 (5/24/2023) | (0.58 - 0.66)/(10 - 5) | -0.016 |
| 0.454 (12/11/2024) | 0.66 (5/24/2023) | (0.454 - 0.66)/(11 - 5) | -0.0343333 |

| | | | |
|---|---|---|---|
| 0.833 (2/18/2025) | 0.66 (5/24/2023) | (0.833 - 0.66)/(12 - 5) | 0.0247143 |
| | | | |
| 0.345 (12/12/2023) | 1.36 (8/7/2023) | (0.345 - 1.36)/(7 - 6) | -1.015 |
| 1.87 (1/10/2024) | 1.36 (8/7/2023) | (1.87 - 1.36)/(8 - 6) | 0.255 |
| ND<0.25 U (5/20/2024) | 1.36 (8/7/2023) | (0.25 - 1.36)/(9 - 6) | -0.37 |
| 0.58 (9/16/2024) | 1.36 (8/7/2023) | (0.58 - 1.36)/(10 - 6) | -0.195 |
| 0.454 (12/11/2024) | 1.36 (8/7/2023) | (0.454 - 1.36)/(11 - 6) | -0.1812 |
| 0.833 (2/18/2025) | 1.36 (8/7/2023) | (0.833 - 1.36)/(12 - 6) | -0.0878333 |
| | | | |
| 1.87 (1/10/2024) | 0.345 (12/12/2023) | (1.87 - 0.345)/(8 - 7) | 1.525 |
| ND<0.25 U (5/20/2024) | 0.345 (12/12/2023) | (0.25 - 0.345)/(9 - 7) | -0.0475 |
| 0.58 (9/16/2024) | 0.345 (12/12/2023) | (0.58 - 0.345)/(10 - 7) | 0.0783333 |
| 0.454 (12/11/2024) | 0.345 (12/12/2023) | (0.454 - 0.345)/(11 - 7) | 0.02725 |
| 0.833 (2/18/2025) | 0.345 (12/12/2023) | (0.833 - 0.345)/(12 - 7) | 0.0976 |
| | | | |
| ND<0.25 U (5/20/2024) | 1.87 (1/10/2024) | (0.25 - 1.87)/(9 - 8) | -1.62 |
| 0.58 (9/16/2024) | 1.87 (1/10/2024) | (0.58 - 1.87)/(10 - 8) | -0.645 |
| 0.454 (12/11/2024) | 1.87 (1/10/2024) | (0.454 - 1.87)/(11 - 8) | -0.472 |
| 0.833 (2/18/2025) | 1.87 (1/10/2024) | (0.833 - 1.87)/(12 - 8) | -0.25925 |
| | | | |
| 0.58 (9/16/2024) | ND<0.25 U (5/20/2024) | (0.58 - 0.25)/(10 - 9) | 0.33 |
| 0.454 (12/11/2024) | ND<0.25 U (5/20/2024) | (0.454 - 0.25)/(11 - 9) | 0.102 |
| 0.833 (2/18/2025) | ND<0.25 U (5/20/2024) | (0.833 - 0.25)/(12 - 9) | 0.194333 |
| | | | |
| 0.454 (12/11/2024) | 0.58 (9/16/2024) | (0.454 - 0.58)/(11 - 10) | -0.126 |
| 0.833 (2/18/2025) | 0.58 (9/16/2024) | (0.833 - 0.58)/(12 - 10) | 0.1265 |
| | | | |
| 0.833 (2/18/2025) | 0.454 (12/11/2024) | (0.833 - 0.454)/(12 - 11) | 0.379 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -1.62 |
| 2 | -1.015 |
| 3 | -0.645 |
| 4 | -0.472 |
| 5 | -0.37 |
| 6 | -0.332 |
| 7 | -0.25925 |
| 8 | -0.195 |
| 9 | -0.1812 |
| 10 | -0.1575 |
| 11 | -0.146 |
| 12 | -0.1395 |
| 13 | -0.126 |
| 14 | -0.123 |
| 15 | -0.1066 |
| 16 | -0.1025 |
| 17 | -0.0878333 |
| 18 | -0.0475 |
| 19 | -0.0474286 |
| 20 | -0.0474 |
| 21 | -0.047 |
| 22 | -0.034875 |
| 23 | -0.0343333 |

| | |
|---|---|
| 24 | -0.0338333 |
| 25 | -0.0306667 |
| 26 | -0.016 |
| 27 | -0.0142222 |
| 28 | -0.0075 |
| 29 | -0.00025 |
| 30 | 0 |
| 31 | 0.00566667 |
| 32 | 0.00625 |
| 33 | 0.02375 |
| 34 | 0.0247143 |
| 35 | 0.0251 |
| 36 | 0.0255 |
| 37 | 0.026 |
| 38 | 0.02725 |
| 39 | 0.0276364 |
| 40 | 0.03275 |
| 41 | 0.0471429 |
| 42 | 0.053 |
| 43 | 0.0647778 |
| 44 | 0.0783333 |
| 45 | 0.0846667 |
| 46 | 0.0976 |
| 47 | 0.1005 |
| 48 | 0.102 |
| 49 | 0.1265 |
| 50 | 0.1662 |
| 51 | 0.191571 |
| 52 | 0.194333 |
| 53 | 0.1945 |
| 54 | 0.205 |
| 55 | 0.214667 |
| 56 | 0.255 |
| 57 | 0.27175 |
| 58 | 0.2885 |
| 59 | 0.324 |
| 60 | 0.33 |
| 61 | 0.37 |
| 62 | 0.379 |
| 63 | 0.403333 |
| 64 | 0.533 |
| 65 | 0.7 |
| 66 | 1.525 |

Sen's Estimator (Median Q) is 0.0242321

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.25 | 2 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |

| | |
|---|---|
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 211.667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.9306
M1 = (66 - 23.9306)/2.0 = 21.0347
M2 = (66 + 23.9306)/2.0 + 1 = 45.9653
Lower limit is -0.047 = Q(21)
Upper limit is 0.0976 = Q(46)
-0.047 < 0 < 0.0976 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: AT 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.31 (5/8/2013) | 0.61 (3/12/2013) | (0.31 - 0.61)/(2 - 1) | -0.3 |
| 1.3 (9/23/2013) | 0.61 (3/12/2013) | (1.3 - 0.61)/(3 - 1) | 0.345 |
| 0.79 (12/10/2013) | 0.61 (3/12/2013) | (0.79 - 0.61)/(4 - 1) | 0.06 |
| 0.8 (2/6/2014) | 0.61 (3/12/2013) | (0.8 - 0.61)/(5 - 1) | 0.0475 |
| 0.77 (6/26/2014) | 0.61 (3/12/2013) | (0.77 - 0.61)/(6 - 1) | 0.032 |
| 0.94 (9/30/2014) | 0.61 (3/12/2013) | (0.94 - 0.61)/(7 - 1) | 0.055 |
| 1.3 (11/19/2014) | 0.61 (3/12/2013) | (1.3 - 0.61)/(8 - 1) | 0.0985714 |
| 0.71 (3/23/2015) | 0.61 (3/12/2013) | (0.71 - 0.61)/(9 - 1) | 0.0125 |
| 0.69 (4/22/2015) | 0.61 (3/12/2013) | (0.69 - 0.61)/(10 - 1) | 0.00888889 |
| 1.82 (9/30/2015) | 0.61 (3/12/2013) | (1.82 - 0.61)/(11 - 1) | 0.121 |
| 0.67 (11/19/2015) | 0.61 (3/12/2013) | (0.67 - 0.61)/(12 - 1) | 0.00545455 |
| 0.58 (3/15/2016) | 0.61 (3/12/2013) | (0.58 - 0.61)/(13 - 1) | -0.0025 |
| 0.8 (6/29/2016) | 0.61 (3/12/2013) | (0.8 - 0.61)/(14 - 1) | 0.0146154 |
| 0.98 (8/9/2016) | 0.61 (3/12/2013) | (0.98 - 0.61)/(15 - 1) | 0.0264286 |
| 0.66 (12/7/2016) | 0.61 (3/12/2013) | (0.66 - 0.61)/(16 - 1) | 0.00333333 |
| 1.08 (3/2/2017) | 0.61 (3/12/2013) | (1.08 - 0.61)/(17 - 1) | 0.029375 |
| 0.62 (6/21/2017) | 0.61 (3/12/2013) | (0.62 - 0.61)/(18 - 1) | 0.000588235 |
| 0.89 (8/17/2017) | 0.61 (3/12/2013) | (0.89 - 0.61)/(19 - 1) | 0.0155556 |
| 0.94 (10/26/2017) | 0.61 (3/12/2013) | (0.94 - 0.61)/(20 - 1) | 0.0173684 |
| 0.849 (3/27/2018) | 0.61 (3/12/2013) | (0.849 - 0.61)/(21 - 1) | 0.01195 |
| 0.849 (6/26/2018) | 0.61 (3/12/2013) | (0.849 - 0.61)/(22 - 1) | 0.011381 |
| 0.51 (8/1/2018) | 0.61 (3/12/2013) | (0.51 - 0.61)/(23 - 1) | -0.00454545 |
| 1.09 (12/11/2018) | 0.61 (3/12/2013) | (1.09 - 0.61)/(24 - 1) | 0.0208696 |
| 0.638 (4/17/2019) | 0.61 (3/12/2013) | (0.638 - 0.61)/(25 - 1) | 0.00116667 |
| 0.822 (6/11/2019) | 0.61 (3/12/2013) | (0.822 - 0.61)/(26 - 1) | 0.00848 |
| 0.534 (8/28/2019) | 0.61 (3/12/2013) | (0.534 - 0.61)/(27 - 1) | -0.00292308 |
| 0.665 (10/28/2019) | 0.61 (3/12/2013) | (0.665 - 0.61)/(28 - 1) | 0.00203704 |
| 0.657 (3/31/2020) | 0.61 (3/12/2013) | (0.657 - 0.61)/(29 - 1) | 0.00167857 |
| 0.825 (6/10/2020) | 0.61 (3/12/2013) | (0.825 - 0.61)/(30 - 1) | 0.00741379 |
| 0.825 (6/10/2020) | 0.61 (3/12/2013) | (0.825 - 0.61)/(30 - 1) | 0.00741379 |
| 0.603 (9/21/2020) | 0.61 (3/12/2013) | (0.603 - 0.61)/(31 - 1) | -0.000233333 |
| 0.831 (12/17/2020) | 0.61 (3/12/2013) | (0.831 - 0.61)/(32 - 1) | 0.00712903 |
| 0.31 (3/18/2021) | 0.61 (3/12/2013) | (0.31 - 0.61)/(33 - 1) | -0.009375 |
| 6.86 (5/5/2021) | 0.61 (3/12/2013) | (6.86 - 0.61)/(34 - 1) | 0.189394 |
| 0.482 (9/2/2021) | 0.61 (3/12/2013) | (0.482 - 0.61)/(35 - 1) | -0.00376471 |
| 0.343 (11/23/2021) | 0.61 (3/12/2013) | (0.343 - 0.61)/(36 - 1) | -0.00762857 |
| 0.769 (1/10/2022) | 0.61 (3/12/2013) | (0.769 - 0.61)/(37 - 1) | 0.00441667 |
| 0.509 (4/7/2022) | 0.61 (3/12/2013) | (0.509 - 0.61)/(38 - 1) | -0.00272973 |
| 0.715 (8/3/2022) | 0.61 (3/12/2013) | (0.715 - 0.61)/(39 - 1) | 0.00276316 |
| 0.366 (11/16/2022) | 0.61 (3/12/2013) | (0.366 - 0.61)/(40 - 1) | -0.00625641 |
| 0.699 (2/13/2023) | 0.61 (3/12/2013) | (0.699 - 0.61)/(41 - 1) | 0.002225 |
| 0.697 (5/24/2023) | 0.61 (3/12/2013) | (0.697 - 0.61)/(42 - 1) | 0.00212195 |
| 0.832 (8/7/2023) | 0.61 (3/12/2013) | (0.832 - 0.61)/(43 - 1) | 0.00528571 |
| 0.696 (12/12/2023) | 0.61 (3/12/2013) | (0.696 - 0.61)/(44 - 1) | 0.002 |
| 0.642 (1/10/2024) | 0.61 (3/12/2013) | (0.642 - 0.61)/(45 - 1) | 0.000727273 |
| 0.737 (5/20/2024) | 0.61 (3/12/2013) | (0.737 - 0.61)/(46 - 1) | 0.00282222 |
| 1.68 (9/16/2024) | 0.61 (3/12/2013) | (1.68 - 0.61)/(47 - 1) | 0.0232609 |
| 1.07 (12/11/2024) | 0.61 (3/12/2013) | (1.07 - 0.61)/(48 - 1) | 0.00978723 |

| | | | |
|---|---|---|---|
| 1.05 (2/18/2025) | 0.61 (3/12/2013) | (1.05 - 0.61)/(49 - 1) | 0.00916667 |
| | | | |
| 1.3 (9/23/2013) | 0.31 (5/8/2013) | (1.3 - 0.31)/(3 - 2) | 0.99 |
| 0.79 (12/10/2013) | 0.31 (5/8/2013) | (0.79 - 0.31)/(4 - 2) | 0.24 |
| 0.8 (2/6/2014) | 0.31 (5/8/2013) | (0.8 - 0.31)/(5 - 2) | 0.163333 |
| 0.77 (6/26/2014) | 0.31 (5/8/2013) | (0.77 - 0.31)/(6 - 2) | 0.115 |
| 0.94 (9/30/2014) | 0.31 (5/8/2013) | (0.94 - 0.31)/(7 - 2) | 0.126 |
| 1.3 (11/19/2014) | 0.31 (5/8/2013) | (1.3 - 0.31)/(8 - 2) | 0.165 |
| 0.71 (3/23/2015) | 0.31 (5/8/2013) | (0.71 - 0.31)/(9 - 2) | 0.0571429 |
| 0.69 (4/22/2015) | 0.31 (5/8/2013) | (0.69 - 0.31)/(10 - 2) | 0.0475 |
| 1.82 (9/30/2015) | 0.31 (5/8/2013) | (1.82 - 0.31)/(11 - 2) | 0.167778 |
| 0.67 (11/19/2015) | 0.31 (5/8/2013) | (0.67 - 0.31)/(12 - 2) | 0.036 |
| 0.58 (3/15/2016) | 0.31 (5/8/2013) | (0.58 - 0.31)/(13 - 2) | 0.0245455 |
| 0.8 (6/29/2016) | 0.31 (5/8/2013) | (0.8 - 0.31)/(14 - 2) | 0.0408333 |
| 0.98 (8/9/2016) | 0.31 (5/8/2013) | (0.98 - 0.31)/(15 - 2) | 0.0515385 |
| 0.66 (12/7/2016) | 0.31 (5/8/2013) | (0.66 - 0.31)/(16 - 2) | 0.025 |
| 1.08 (3/2/2017) | 0.31 (5/8/2013) | (1.08 - 0.31)/(17 - 2) | 0.0513333 |
| 0.62 (6/21/2017) | 0.31 (5/8/2013) | (0.62 - 0.31)/(18 - 2) | 0.019375 |
| 0.89 (8/17/2017) | 0.31 (5/8/2013) | (0.89 - 0.31)/(19 - 2) | 0.0341176 |
| 0.94 (10/26/2017) | 0.31 (5/8/2013) | (0.94 - 0.31)/(20 - 2) | 0.035 |
| 0.849 (3/27/2018) | 0.31 (5/8/2013) | (0.849 - 0.31)/(21 - 2) | 0.0283684 |
| 0.849 (6/26/2018) | 0.31 (5/8/2013) | (0.849 - 0.31)/(22 - 2) | 0.02695 |
| 0.51 (8/1/2018) | 0.31 (5/8/2013) | (0.51 - 0.31)/(23 - 2) | 0.00952381 |
| 1.09 (12/11/2018) | 0.31 (5/8/2013) | (1.09 - 0.31)/(24 - 2) | 0.0354545 |
| 0.638 (4/17/2019) | 0.31 (5/8/2013) | (0.638 - 0.31)/(25 - 2) | 0.0142609 |
| 0.822 (6/11/2019) | 0.31 (5/8/2013) | (0.822 - 0.31)/(26 - 2) | 0.0213333 |
| 0.534 (8/28/2019) | 0.31 (5/8/2013) | (0.534 - 0.31)/(27 - 2) | 0.00896 |
| 0.665 (10/28/2019) | 0.31 (5/8/2013) | (0.665 - 0.31)/(28 - 2) | 0.0136538 |
| 0.657 (3/31/2020) | 0.31 (5/8/2013) | (0.657 - 0.31)/(29 - 2) | 0.0128519 |
| 0.825 (6/10/2020) | 0.31 (5/8/2013) | (0.825 - 0.31)/(30 - 2) | 0.0183929 |
| 0.825 (6/10/2020) | 0.31 (5/8/2013) | (0.825 - 0.31)/(30 - 2) | 0.0183929 |
| 0.603 (9/21/2020) | 0.31 (5/8/2013) | (0.603 - 0.31)/(31 - 2) | 0.0101034 |
| 0.831 (12/17/2020) | 0.31 (5/8/2013) | (0.831 - 0.31)/(32 - 2) | 0.0173667 |
| 0.31 (3/18/2021) | 0.31 (5/8/2013) | (0.31 - 0.31)/(33 - 2) | 0 |
| 6.86 (5/5/2021) | 0.31 (5/8/2013) | (6.86 - 0.31)/(34 - 2) | 0.204688 |
| 0.482 (9/2/2021) | 0.31 (5/8/2013) | (0.482 - 0.31)/(35 - 2) | 0.00521212 |
| 0.343 (11/23/2021) | 0.31 (5/8/2013) | (0.343 - 0.31)/(36 - 2) | 0.000970588 |
| 0.769 (1/10/2022) | 0.31 (5/8/2013) | (0.769 - 0.31)/(37 - 2) | 0.0131143 |
| 0.509 (4/7/2022) | 0.31 (5/8/2013) | (0.509 - 0.31)/(38 - 2) | 0.00552778 |
| 0.715 (8/3/2022) | 0.31 (5/8/2013) | (0.715 - 0.31)/(39 - 2) | 0.0109459 |
| 0.366 (11/16/2022) | 0.31 (5/8/2013) | (0.366 - 0.31)/(40 - 2) | 0.00147368 |
| 0.699 (2/13/2023) | 0.31 (5/8/2013) | (0.699 - 0.31)/(41 - 2) | 0.00997436 |
| 0.697 (5/24/2023) | 0.31 (5/8/2013) | (0.697 - 0.31)/(42 - 2) | 0.009675 |
| 0.832 (8/7/2023) | 0.31 (5/8/2013) | (0.832 - 0.31)/(43 - 2) | 0.0127317 |
| 0.696 (12/12/2023) | 0.31 (5/8/2013) | (0.696 - 0.31)/(44 - 2) | 0.00919048 |
| 0.642 (1/10/2024) | 0.31 (5/8/2013) | (0.642 - 0.31)/(45 - 2) | 0.00772093 |
| 0.737 (5/20/2024) | 0.31 (5/8/2013) | (0.737 - 0.31)/(46 - 2) | 0.00970455 |
| 1.68 (9/16/2024) | 0.31 (5/8/2013) | (1.68 - 0.31)/(47 - 2) | 0.0304444 |
| 1.07 (12/11/2024) | 0.31 (5/8/2013) | (1.07 - 0.31)/(48 - 2) | 0.0165217 |
| 1.05 (2/18/2025) | 0.31 (5/8/2013) | (1.05 - 0.31)/(49 - 2) | 0.0157447 |
| | | | |
| 0.79 (12/10/2013) | 1.3 (9/23/2013) | (0.79 - 1.3)/(4 - 3) | -0.51 |
| 0.8 (2/6/2014) | 1.3 (9/23/2013) | (0.8 - 1.3)/(5 - 3) | -0.25 |
| 0.77 (6/26/2014) | 1.3 (9/23/2013) | (0.77 - 1.3)/(6 - 3) | -0.176667 |
| 0.94 (9/30/2014) | 1.3 (9/23/2013) | (0.94 - 1.3)/(7 - 3) | -0.09 |
| 1.3 (11/19/2014) | 1.3 (9/23/2013) | (1.3 - 1.3)/(8 - 3) | 0 |
| 0.71 (3/23/2015) | 1.3 (9/23/2013) | (0.71 - 1.3)/(9 - 3) | -0.0983333 |

| | | | |
|---|---|---|---|
| 0.69 (4/22/2015) | 1.3 (9/23/2013) | (0.69 - 1.3)/(10 - 3) | -0.0871429 |
| 1.82 (9/30/2015) | 1.3 (9/23/2013) | (1.82 - 1.3)/(11 - 3) | 0.065 |
| 0.67 (11/19/2015) | 1.3 (9/23/2013) | (0.67 - 1.3)/(12 - 3) | -0.07 |
| 0.58 (3/15/2016) | 1.3 (9/23/2013) | (0.58 - 1.3)/(13 - 3) | -0.072 |
| 0.8 (6/29/2016) | 1.3 (9/23/2013) | (0.8 - 1.3)/(14 - 3) | -0.0454545 |
| 0.98 (8/9/2016) | 1.3 (9/23/2013) | (0.98 - 1.3)/(15 - 3) | -0.0266667 |
| 0.66 (12/7/2016) | 1.3 (9/23/2013) | (0.66 - 1.3)/(16 - 3) | -0.0492308 |
| 1.08 (3/2/2017) | 1.3 (9/23/2013) | (1.08 - 1.3)/(17 - 3) | -0.0157143 |
| 0.62 (6/21/2017) | 1.3 (9/23/2013) | (0.62 - 1.3)/(18 - 3) | -0.0453333 |
| 0.89 (8/17/2017) | 1.3 (9/23/2013) | (0.89 - 1.3)/(19 - 3) | -0.025625 |
| 0.94 (10/26/2017) | 1.3 (9/23/2013) | (0.94 - 1.3)/(20 - 3) | -0.0211765 |
| 0.849 (3/27/2018) | 1.3 (9/23/2013) | (0.849 - 1.3)/(21 - 3) | -0.0250556 |
| 0.849 (6/26/2018) | 1.3 (9/23/2013) | (0.849 - 1.3)/(22 - 3) | -0.0237368 |
| 0.51 (8/1/2018) | 1.3 (9/23/2013) | (0.51 - 1.3)/(23 - 3) | -0.0395 |
| 1.09 (12/11/2018) | 1.3 (9/23/2013) | (1.09 - 1.3)/(24 - 3) | -0.01 |
| 0.638 (4/17/2019) | 1.3 (9/23/2013) | (0.638 - 1.3)/(25 - 3) | -0.0300909 |
| 0.822 (6/11/2019) | 1.3 (9/23/2013) | (0.822 - 1.3)/(26 - 3) | -0.0207826 |
| 0.534 (8/28/2019) | 1.3 (9/23/2013) | (0.534 - 1.3)/(27 - 3) | -0.0319167 |
| 0.665 (10/28/2019) | 1.3 (9/23/2013) | (0.665 - 1.3)/(28 - 3) | -0.0254 |
| 0.657 (3/31/2020) | 1.3 (9/23/2013) | (0.657 - 1.3)/(29 - 3) | -0.0247308 |
| 0.825 (6/10/2020) | 1.3 (9/23/2013) | (0.825 - 1.3)/(30 - 3) | -0.0175926 |
| 0.825 (6/10/2020) | 1.3 (9/23/2013) | (0.825 - 1.3)/(30 - 3) | -0.0175926 |
| 0.603 (9/21/2020) | 1.3 (9/23/2013) | (0.603 - 1.3)/(31 - 3) | -0.0248929 |
| 0.831 (12/17/2020) | 1.3 (9/23/2013) | (0.831 - 1.3)/(32 - 3) | -0.0161724 |
| 0.31 (3/18/2021) | 1.3 (9/23/2013) | (0.31 - 1.3)/(33 - 3) | -0.033 |
| 6.86 (5/5/2021) | 1.3 (9/23/2013) | (6.86 - 1.3)/(34 - 3) | 0.179355 |
| 0.482 (9/2/2021) | 1.3 (9/23/2013) | (0.482 - 1.3)/(35 - 3) | -0.0255625 |
| 0.343 (11/23/2021) | 1.3 (9/23/2013) | (0.343 - 1.3)/(36 - 3) | -0.029 |
| 0.769 (1/10/2022) | 1.3 (9/23/2013) | (0.769 - 1.3)/(37 - 3) | -0.0156176 |
| 0.509 (4/7/2022) | 1.3 (9/23/2013) | (0.509 - 1.3)/(38 - 3) | -0.0226 |
| 0.715 (8/3/2022) | 1.3 (9/23/2013) | (0.715 - 1.3)/(39 - 3) | -0.01625 |
| 0.366 (11/16/2022) | 1.3 (9/23/2013) | (0.366 - 1.3)/(40 - 3) | -0.0252432 |
| 0.699 (2/13/2023) | 1.3 (9/23/2013) | (0.699 - 1.3)/(41 - 3) | -0.0158158 |
| 0.697 (5/24/2023) | 1.3 (9/23/2013) | (0.697 - 1.3)/(42 - 3) | -0.0154615 |
| 0.832 (8/7/2023) | 1.3 (9/23/2013) | (0.832 - 1.3)/(43 - 3) | -0.0117 |
| 0.696 (12/12/2023) | 1.3 (9/23/2013) | (0.696 - 1.3)/(44 - 3) | -0.0147317 |
| 0.642 (1/10/2024) | 1.3 (9/23/2013) | (0.642 - 1.3)/(45 - 3) | -0.0156667 |
| 0.737 (5/20/2024) | 1.3 (9/23/2013) | (0.737 - 1.3)/(46 - 3) | -0.013093 |
| 1.68 (9/16/2024) | 1.3 (9/23/2013) | (1.68 - 1.3)/(47 - 3) | 0.00863636 |
| 1.07 (12/11/2024) | 1.3 (9/23/2013) | (1.07 - 1.3)/(48 - 3) | -0.00511111 |
| 1.05 (2/18/2025) | 1.3 (9/23/2013) | (1.05 - 1.3)/(49 - 3) | -0.00543478 |
| | | | |
| 0.8 (2/6/2014) | 0.79 (12/10/2013) | (0.8 - 0.79)/(5 - 4) | 0.01 |
| 0.77 (6/26/2014) | 0.79 (12/10/2013) | (0.77 - 0.79)/(6 - 4) | -0.01 |
| 0.94 (9/30/2014) | 0.79 (12/10/2013) | (0.94 - 0.79)/(7 - 4) | 0.05 |
| 1.3 (11/19/2014) | 0.79 (12/10/2013) | (1.3 - 0.79)/(8 - 4) | 0.1275 |
| 0.71 (3/23/2015) | 0.79 (12/10/2013) | (0.71 - 0.79)/(9 - 4) | -0.016 |
| 0.69 (4/22/2015) | 0.79 (12/10/2013) | (0.69 - 0.79)/(10 - 4) | -0.0166667 |
| 1.82 (9/30/2015) | 0.79 (12/10/2013) | (1.82 - 0.79)/(11 - 4) | 0.147143 |
| 0.67 (11/19/2015) | 0.79 (12/10/2013) | (0.67 - 0.79)/(12 - 4) | -0.015 |
| 0.58 (3/15/2016) | 0.79 (12/10/2013) | (0.58 - 0.79)/(13 - 4) | -0.0233333 |
| 0.8 (6/29/2016) | 0.79 (12/10/2013) | (0.8 - 0.79)/(14 - 4) | 0.001 |
| 0.98 (8/9/2016) | 0.79 (12/10/2013) | (0.98 - 0.79)/(15 - 4) | 0.0172727 |
| 0.66 (12/7/2016) | 0.79 (12/10/2013) | (0.66 - 0.79)/(16 - 4) | -0.0108333 |
| 1.08 (3/2/2017) | 0.79 (12/10/2013) | (1.08 - 0.79)/(17 - 4) | 0.0223077 |
| 0.62 (6/21/2017) | 0.79 (12/10/2013) | (0.62 - 0.79)/(18 - 4) | -0.0121429 |
| 0.89 (8/17/2017) | 0.79 (12/10/2013) | (0.89 - 0.79)/(19 - 4) | 0.00666667 |

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|---|---|---|---|
| 0.94 (10/26/2017) | 0.79 (12/10/2013) | (0.94 - 0.79)/(20 - 4) | 0.009375 |
| 0.849 (3/27/2018) | 0.79 (12/10/2013) | (0.849 - 0.79)/(21 - 4) | 0.00347059 |
| 0.849 (6/26/2018) | 0.79 (12/10/2013) | (0.849 - 0.79)/(22 - 4) | 0.00327778 |
| 0.51 (8/1/2018) | 0.79 (12/10/2013) | (0.51 - 0.79)/(23 - 4) | -0.0147368 |
| 1.09 (12/11/2018) | 0.79 (12/10/2013) | (1.09 - 0.79)/(24 - 4) | 0.015 |
| 0.638 (4/17/2019) | 0.79 (12/10/2013) | (0.638 - 0.79)/(25 - 4) | -0.0072381 |
| 0.822 (6/11/2019) | 0.79 (12/10/2013) | (0.822 - 0.79)/(26 - 4) | 0.00145455 |
| 0.534 (8/28/2019) | 0.79 (12/10/2013) | (0.534 - 0.79)/(27 - 4) | -0.0111304 |
| 0.665 (10/28/2019) | 0.79 (12/10/2013) | (0.665 - 0.79)/(28 - 4) | -0.00520833 |
| 0.657 (3/31/2020) | 0.79 (12/10/2013) | (0.657 - 0.79)/(29 - 4) | -0.00532 |
| 0.825 (6/10/2020) | 0.79 (12/10/2013) | (0.825 - 0.79)/(30 - 4) | 0.00134615 |
| 0.825 (6/10/2020) | 0.79 (12/10/2013) | (0.825 - 0.79)/(30 - 4) | 0.00134615 |
| 0.603 (9/21/2020) | 0.79 (12/10/2013) | (0.603 - 0.79)/(31 - 4) | -0.00692593 |
| 0.831 (12/17/2020) | 0.79 (12/10/2013) | (0.831 - 0.79)/(32 - 4) | 0.00146429 |
| 0.31 (3/18/2021) | 0.79 (12/10/2013) | (0.31 - 0.79)/(33 - 4) | -0.0165517 |
| 6.86 (5/5/2021) | 0.79 (12/10/2013) | (6.86 - 0.79)/(34 - 4) | 0.202333 |
| 0.482 (9/2/2021) | 0.79 (12/10/2013) | (0.482 - 0.79)/(35 - 4) | -0.00993548 |
| 0.343 (11/23/2021) | 0.79 (12/10/2013) | (0.343 - 0.79)/(36 - 4) | -0.0139688 |
| 0.769 (1/10/2022) | 0.79 (12/10/2013) | (0.769 - 0.79)/(37 - 4) | -0.000636364 |
| 0.509 (4/7/2022) | 0.79 (12/10/2013) | (0.509 - 0.79)/(38 - 4) | -0.00826471 |
| 0.715 (8/3/2022) | 0.79 (12/10/2013) | (0.715 - 0.79)/(39 - 4) | -0.00214286 |
| 0.366 (11/16/2022) | 0.79 (12/10/2013) | (0.366 - 0.79)/(40 - 4) | -0.0117778 |
| 0.699 (2/13/2023) | 0.79 (12/10/2013) | (0.699 - 0.79)/(41 - 4) | -0.00245946 |
| 0.697 (5/24/2023) | 0.79 (12/10/2013) | (0.697 - 0.79)/(42 - 4) | -0.00244737 |
| 0.832 (8/7/2023) | 0.79 (12/10/2013) | (0.832 - 0.79)/(43 - 4) | 0.00107692 |
| 0.696 (12/12/2023) | 0.79 (12/10/2013) | (0.696 - 0.79)/(44 - 4) | -0.00235 |
| 0.642 (1/10/2024) | 0.79 (12/10/2013) | (0.642 - 0.79)/(45 - 4) | -0.00360976 |
| 0.737 (5/20/2024) | 0.79 (12/10/2013) | (0.737 - 0.79)/(46 - 4) | -0.0012619 |
| 1.68 (9/16/2024) | 0.79 (12/10/2013) | (1.68 - 0.79)/(47 - 4) | 0.0206977 |
| 1.07 (12/11/2024) | 0.79 (12/10/2013) | (1.07 - 0.79)/(48 - 4) | 0.00636364 |
| 1.05 (2/18/2025) | 0.79 (12/10/2013) | (1.05 - 0.79)/(49 - 4) | 0.00577778 |

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|---|---|---|---|
| 0.77 (6/26/2014) | 0.8 (2/6/2014) | (0.77 - 0.8)/(6 - 5) | -0.03 |
| 0.94 (9/30/2014) | 0.8 (2/6/2014) | (0.94 - 0.8)/(7 - 5) | 0.07 |
| 1.3 (11/19/2014) | 0.8 (2/6/2014) | (1.3 - 0.8)/(8 - 5) | 0.166667 |
| 0.71 (3/23/2015) | 0.8 (2/6/2014) | (0.71 - 0.8)/(9 - 5) | -0.0225 |
| 0.69 (4/22/2015) | 0.8 (2/6/2014) | (0.69 - 0.8)/(10 - 5) | -0.022 |
| 1.82 (9/30/2015) | 0.8 (2/6/2014) | (1.82 - 0.8)/(11 - 5) | 0.17 |
| 0.67 (11/19/2015) | 0.8 (2/6/2014) | (0.67 - 0.8)/(12 - 5) | -0.0185714 |
| 0.58 (3/15/2016) | 0.8 (2/6/2014) | (0.58 - 0.8)/(13 - 5) | -0.0275 |
| 0.8 (6/29/2016) | 0.8 (2/6/2014) | (0.8 - 0.8)/(14 - 5) | 0 |
| 0.98 (8/9/2016) | 0.8 (2/6/2014) | (0.98 - 0.8)/(15 - 5) | 0.018 |
| 0.66 (12/7/2016) | 0.8 (2/6/2014) | (0.66 - 0.8)/(16 - 5) | -0.0127273 |
| 1.08 (3/2/2017) | 0.8 (2/6/2014) | (1.08 - 0.8)/(17 - 5) | 0.0233333 |
| 0.62 (6/21/2017) | 0.8 (2/6/2014) | (0.62 - 0.8)/(18 - 5) | -0.0138462 |
| 0.89 (8/17/2017) | 0.8 (2/6/2014) | (0.89 - 0.8)/(19 - 5) | 0.00642857 |
| 0.94 (10/26/2017) | 0.8 (2/6/2014) | (0.94 - 0.8)/(20 - 5) | 0.00933333 |
| 0.849 (3/27/2018) | 0.8 (2/6/2014) | (0.849 - 0.8)/(21 - 5) | 0.0030625 |
| 0.849 (6/26/2018) | 0.8 (2/6/2014) | (0.849 - 0.8)/(22 - 5) | 0.00288235 |
| 0.51 (8/1/2018) | 0.8 (2/6/2014) | (0.51 - 0.8)/(23 - 5) | -0.0161111 |
| 1.09 (12/11/2018) | 0.8 (2/6/2014) | (1.09 - 0.8)/(24 - 5) | 0.0152632 |
| 0.638 (4/17/2019) | 0.8 (2/6/2014) | (0.638 - 0.8)/(25 - 5) | -0.0081 |
| 0.822 (6/11/2019) | 0.8 (2/6/2014) | (0.822 - 0.8)/(26 - 5) | 0.00104762 |
| 0.534 (8/28/2019) | 0.8 (2/6/2014) | (0.534 - 0.8)/(27 - 5) | -0.0120909 |
| 0.665 (10/28/2019) | 0.8 (2/6/2014) | (0.665 - 0.8)/(28 - 5) | -0.00586957 |
| 0.657 (3/31/2020) | 0.8 (2/6/2014) | (0.657 - 0.8)/(29 - 5) | -0.00595833 |
| 0.825 (6/10/2020) | 0.8 (2/6/2014) | (0.825 - 0.8)/(30 - 5) | 0.001 |

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|---|---|---|---|
| 0.825 (6/10/2020) | 0.8 (2/6/2014) | (0.825 - 0.8)/(30 - 5) | 0.001 |
| 0.603 (9/21/2020) | 0.8 (2/6/2014) | (0.603 - 0.8)/(31 - 5) | -0.00757692 |
| 0.831 (12/17/2020) | 0.8 (2/6/2014) | (0.831 - 0.8)/(32 - 5) | 0.00114815 |
| 0.31 (3/18/2021) | 0.8 (2/6/2014) | (0.31 - 0.8)/(33 - 5) | -0.0175 |
| 6.86 (5/5/2021) | 0.8 (2/6/2014) | (6.86 - 0.8)/(34 - 5) | 0.208966 |
| 0.482 (9/2/2021) | 0.8 (2/6/2014) | (0.482 - 0.8)/(35 - 5) | -0.0106 |
| 0.343 (11/23/2021) | 0.8 (2/6/2014) | (0.343 - 0.8)/(36 - 5) | -0.0147419 |
| 0.769 (1/10/2022) | 0.8 (2/6/2014) | (0.769 - 0.8)/(37 - 5) | -0.00096875 |
| 0.509 (4/7/2022) | 0.8 (2/6/2014) | (0.509 - 0.8)/(38 - 5) | -0.00881818 |
| 0.715 (8/3/2022) | 0.8 (2/6/2014) | (0.715 - 0.8)/(39 - 5) | -0.0025 |
| 0.366 (11/16/2022) | 0.8 (2/6/2014) | (0.366 - 0.8)/(40 - 5) | -0.0124 |
| 0.699 (2/13/2023) | 0.8 (2/6/2014) | (0.699 - 0.8)/(41 - 5) | -0.00280556 |
| 0.697 (5/24/2023) | 0.8 (2/6/2014) | (0.697 - 0.8)/(42 - 5) | -0.00278378 |
| 0.832 (8/7/2023) | 0.8 (2/6/2014) | (0.832 - 0.8)/(43 - 5) | 0.000842105 |
| 0.696 (12/12/2023) | 0.8 (2/6/2014) | (0.696 - 0.8)/(44 - 5) | -0.00266667 |
| 0.642 (1/10/2024) | 0.8 (2/6/2014) | (0.642 - 0.8)/(45 - 5) | -0.00395 |
| 0.737 (5/20/2024) | 0.8 (2/6/2014) | (0.737 - 0.8)/(46 - 5) | -0.00153659 |
| 1.68 (9/16/2024) | 0.8 (2/6/2014) | (1.68 - 0.8)/(47 - 5) | 0.0209524 |
| 1.07 (12/11/2024) | 0.8 (2/6/2014) | (1.07 - 0.8)/(48 - 5) | 0.00627907 |
| 1.05 (2/18/2025) | 0.8 (2/6/2014) | (1.05 - 0.8)/(49 - 5) | 0.00568182 |
| | | | |
| 0.94 (9/30/2014) | 0.77 (6/26/2014) | (0.94 - 0.77)/(7 - 6) | 0.17 |
| 1.3 (11/19/2014) | 0.77 (6/26/2014) | (1.3 - 0.77)/(8 - 6) | 0.265 |
| 0.71 (3/23/2015) | 0.77 (6/26/2014) | (0.71 - 0.77)/(9 - 6) | -0.02 |
| 0.69 (4/22/2015) | 0.77 (6/26/2014) | (0.69 - 0.77)/(10 - 6) | -0.02 |
| 1.82 (9/30/2015) | 0.77 (6/26/2014) | (1.82 - 0.77)/(11 - 6) | 0.21 |
| 0.67 (11/19/2015) | 0.77 (6/26/2014) | (0.67 - 0.77)/(12 - 6) | -0.0166667 |
| 0.58 (3/15/2016) | 0.77 (6/26/2014) | (0.58 - 0.77)/(13 - 6) | -0.0271429 |
| 0.8 (6/29/2016) | 0.77 (6/26/2014) | (0.8 - 0.77)/(14 - 6) | 0.00375 |
| 0.98 (8/9/2016) | 0.77 (6/26/2014) | (0.98 - 0.77)/(15 - 6) | 0.0233333 |
| 0.66 (12/7/2016) | 0.77 (6/26/2014) | (0.66 - 0.77)/(16 - 6) | -0.011 |
| 1.08 (3/2/2017) | 0.77 (6/26/2014) | (1.08 - 0.77)/(17 - 6) | 0.0281818 |
| 0.62 (6/21/2017) | 0.77 (6/26/2014) | (0.62 - 0.77)/(18 - 6) | -0.0125 |
| 0.89 (8/17/2017) | 0.77 (6/26/2014) | (0.89 - 0.77)/(19 - 6) | 0.00923077 |
| 0.94 (10/26/2017) | 0.77 (6/26/2014) | (0.94 - 0.77)/(20 - 6) | 0.0121429 |
| 0.849 (3/27/2018) | 0.77 (6/26/2014) | (0.849 - 0.77)/(21 - 6) | 0.00526667 |
| 0.849 (6/26/2018) | 0.77 (6/26/2014) | (0.849 - 0.77)/(22 - 6) | 0.0049375 |
| 0.51 (8/1/2018) | 0.77 (6/26/2014) | (0.51 - 0.77)/(23 - 6) | -0.0152941 |
| 1.09 (12/11/2018) | 0.77 (6/26/2014) | (1.09 - 0.77)/(24 - 6) | 0.0177778 |
| 0.638 (4/17/2019) | 0.77 (6/26/2014) | (0.638 - 0.77)/(25 - 6) | -0.00694737 |
| 0.822 (6/11/2019) | 0.77 (6/26/2014) | (0.822 - 0.77)/(26 - 6) | 0.0026 |
| 0.534 (8/28/2019) | 0.77 (6/26/2014) | (0.534 - 0.77)/(27 - 6) | -0.0112381 |
| 0.665 (10/28/2019) | 0.77 (6/26/2014) | (0.665 - 0.77)/(28 - 6) | -0.00477273 |
| 0.657 (3/31/2020) | 0.77 (6/26/2014) | (0.657 - 0.77)/(29 - 6) | -0.00491304 |
| 0.825 (6/10/2020) | 0.77 (6/26/2014) | (0.825 - 0.77)/(30 - 6) | 0.00229167 |
| 0.825 (6/10/2020) | 0.77 (6/26/2014) | (0.825 - 0.77)/(30 - 6) | 0.00229167 |
| 0.603 (9/21/2020) | 0.77 (6/26/2014) | (0.603 - 0.77)/(31 - 6) | -0.00668 |
| 0.831 (12/17/2020) | 0.77 (6/26/2014) | (0.831 - 0.77)/(32 - 6) | 0.00234615 |
| 0.31 (3/18/2021) | 0.77 (6/26/2014) | (0.31 - 0.77)/(33 - 6) | -0.017037 |
| 6.86 (5/5/2021) | 0.77 (6/26/2014) | (6.86 - 0.77)/(34 - 6) | 0.2175 |
| 0.482 (9/2/2021) | 0.77 (6/26/2014) | (0.482 - 0.77)/(35 - 6) | -0.00993103 |
| 0.343 (11/23/2021) | 0.77 (6/26/2014) | (0.343 - 0.77)/(36 - 6) | -0.0142333 |
| 0.769 (1/10/2022) | 0.77 (6/26/2014) | (0.769 - 0.77)/(37 - 6) | -3.22581e-05 |
| 0.509 (4/7/2022) | 0.77 (6/26/2014) | (0.509 - 0.77)/(38 - 6) | -0.00815625 |
| 0.715 (8/3/2022) | 0.77 (6/26/2014) | (0.715 - 0.77)/(39 - 6) | -0.00166667 |
| 0.366 (11/16/2022) | 0.77 (6/26/2014) | (0.366 - 0.77)/(40 - 6) | -0.0118824 |
| 0.699 (2/13/2023) | 0.77 (6/26/2014) | (0.699 - 0.77)/(41 - 6) | -0.00202857 |

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|---|---|---|---|
| 0.697 (5/24/2023) | 0.77 (6/26/2014) | (0.697 - 0.77)/(42 - 6) | -0.00202778 |
| 0.832 (8/7/2023) | 0.77 (6/26/2014) | (0.832 - 0.77)/(43 - 6) | 0.00167568 |
| 0.696 (12/12/2023) | 0.77 (6/26/2014) | (0.696 - 0.77)/(44 - 6) | -0.00194737 |
| 0.642 (1/10/2024) | 0.77 (6/26/2014) | (0.642 - 0.77)/(45 - 6) | -0.00328205 |
| 0.737 (5/20/2024) | 0.77 (6/26/2014) | (0.737 - 0.77)/(46 - 6) | -0.000825 |
| 1.68 (9/16/2024) | 0.77 (6/26/2014) | (1.68 - 0.77)/(47 - 6) | 0.0221951 |
| 1.07 (12/11/2024) | 0.77 (6/26/2014) | (1.07 - 0.77)/(48 - 6) | 0.00714286 |
| 1.05 (2/18/2025) | 0.77 (6/26/2014) | (1.05 - 0.77)/(49 - 6) | 0.00651163 |
| | | | |
| 1.3 (11/19/2014) | 0.94 (9/30/2014) | (1.3 - 0.94)/(8 - 7) | 0.36 |
| 0.71 (3/23/2015) | 0.94 (9/30/2014) | (0.71 - 0.94)/(9 - 7) | -0.115 |
| 0.69 (4/22/2015) | 0.94 (9/30/2014) | (0.69 - 0.94)/(10 - 7) | -0.0833333 |
| 1.82 (9/30/2015) | 0.94 (9/30/2014) | (1.82 - 0.94)/(11 - 7) | 0.22 |
| 0.67 (11/19/2015) | 0.94 (9/30/2014) | (0.67 - 0.94)/(12 - 7) | -0.054 |
| 0.58 (3/15/2016) | 0.94 (9/30/2014) | (0.58 - 0.94)/(13 - 7) | -0.06 |
| 0.8 (6/29/2016) | 0.94 (9/30/2014) | (0.8 - 0.94)/(14 - 7) | -0.02 |
| 0.98 (8/9/2016) | 0.94 (9/30/2014) | (0.98 - 0.94)/(15 - 7) | 0.005 |
| 0.66 (12/7/2016) | 0.94 (9/30/2014) | (0.66 - 0.94)/(16 - 7) | -0.0311111 |
| 1.08 (3/2/2017) | 0.94 (9/30/2014) | (1.08 - 0.94)/(17 - 7) | 0.014 |
| 0.62 (6/21/2017) | 0.94 (9/30/2014) | (0.62 - 0.94)/(18 - 7) | -0.0290909 |
| 0.89 (8/17/2017) | 0.94 (9/30/2014) | (0.89 - 0.94)/(19 - 7) | -0.00416667 |
| 0.94 (10/26/2017) | 0.94 (9/30/2014) | (0.94 - 0.94)/(20 - 7) | 0 |
| 0.849 (3/27/2018) | 0.94 (9/30/2014) | (0.849 - 0.94)/(21 - 7) | -0.0065 |
| 0.849 (6/26/2018) | 0.94 (9/30/2014) | (0.849 - 0.94)/(22 - 7) | -0.00606667 |
| 0.51 (8/1/2018) | 0.94 (9/30/2014) | (0.51 - 0.94)/(23 - 7) | -0.026875 |
| 1.09 (12/11/2018) | 0.94 (9/30/2014) | (1.09 - 0.94)/(24 - 7) | 0.00882353 |
| 0.638 (4/17/2019) | 0.94 (9/30/2014) | (0.638 - 0.94)/(25 - 7) | -0.0167778 |
| 0.822 (6/11/2019) | 0.94 (9/30/2014) | (0.822 - 0.94)/(26 - 7) | -0.00621053 |
| 0.534 (8/28/2019) | 0.94 (9/30/2014) | (0.534 - 0.94)/(27 - 7) | -0.0203 |
| 0.665 (10/28/2019) | 0.94 (9/30/2014) | (0.665 - 0.94)/(28 - 7) | -0.0130952 |
| 0.657 (3/31/2020) | 0.94 (9/30/2014) | (0.657 - 0.94)/(29 - 7) | -0.0128636 |
| 0.825 (6/10/2020) | 0.94 (9/30/2014) | (0.825 - 0.94)/(30 - 7) | -0.005 |
| 0.825 (6/10/2020) | 0.94 (9/30/2014) | (0.825 - 0.94)/(30 - 7) | -0.005 |
| 0.603 (9/21/2020) | 0.94 (9/30/2014) | (0.603 - 0.94)/(31 - 7) | -0.0140417 |
| 0.831 (12/17/2020) | 0.94 (9/30/2014) | (0.831 - 0.94)/(32 - 7) | -0.00436 |
| 0.31 (3/18/2021) | 0.94 (9/30/2014) | (0.31 - 0.94)/(33 - 7) | -0.0242308 |
| 6.86 (5/5/2021) | 0.94 (9/30/2014) | (6.86 - 0.94)/(34 - 7) | 0.219259 |
| 0.482 (9/2/2021) | 0.94 (9/30/2014) | (0.482 - 0.94)/(35 - 7) | -0.0163571 |
| 0.343 (11/23/2021) | 0.94 (9/30/2014) | (0.343 - 0.94)/(36 - 7) | -0.0205862 |
| 0.769 (1/10/2022) | 0.94 (9/30/2014) | (0.769 - 0.94)/(37 - 7) | -0.0057 |
| 0.509 (4/7/2022) | 0.94 (9/30/2014) | (0.509 - 0.94)/(38 - 7) | -0.0139032 |
| 0.715 (8/3/2022) | 0.94 (9/30/2014) | (0.715 - 0.94)/(39 - 7) | -0.00703125 |
| 0.366 (11/16/2022) | 0.94 (9/30/2014) | (0.366 - 0.94)/(40 - 7) | -0.0173939 |
| 0.699 (2/13/2023) | 0.94 (9/30/2014) | (0.699 - 0.94)/(41 - 7) | -0.00708824 |
| 0.697 (5/24/2023) | 0.94 (9/30/2014) | (0.697 - 0.94)/(42 - 7) | -0.00694286 |
| 0.832 (8/7/2023) | 0.94 (9/30/2014) | (0.832 - 0.94)/(43 - 7) | -0.003 |
| 0.696 (12/12/2023) | 0.94 (9/30/2014) | (0.696 - 0.94)/(44 - 7) | -0.00659459 |
| 0.642 (1/10/2024) | 0.94 (9/30/2014) | (0.642 - 0.94)/(45 - 7) | -0.00784211 |
| 0.737 (5/20/2024) | 0.94 (9/30/2014) | (0.737 - 0.94)/(46 - 7) | -0.00520513 |
| 1.68 (9/16/2024) | 0.94 (9/30/2014) | (1.68 - 0.94)/(47 - 7) | 0.0185 |
| 1.07 (12/11/2024) | 0.94 (9/30/2014) | (1.07 - 0.94)/(48 - 7) | 0.00317073 |
| 1.05 (2/18/2025) | 0.94 (9/30/2014) | (1.05 - 0.94)/(49 - 7) | 0.00261905 |
| | | | |
| 0.71 (3/23/2015) | 1.3 (11/19/2014) | (0.71 - 1.3)/(9 - 8) | -0.59 |
| 0.69 (4/22/2015) | 1.3 (11/19/2014) | (0.69 - 1.3)/(10 - 8) | -0.305 |
| 1.82 (9/30/2015) | 1.3 (11/19/2014) | (1.82 - 1.3)/(11 - 8) | 0.173333 |
| 0.67 (11/19/2015) | 1.3 (11/19/2014) | (0.67 - 1.3)/(12 - 8) | -0.1575 |

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|---|---|---|---|
| 0.58 (3/15/2016) | 1.3 (11/19/2014) | (0.58 - 1.3)/(13 - 8) | -0.144 |
| 0.8 (6/29/2016) | 1.3 (11/19/2014) | (0.8 - 1.3)/(14 - 8) | -0.0833333 |
| 0.98 (8/9/2016) | 1.3 (11/19/2014) | (0.98 - 1.3)/(15 - 8) | -0.0457143 |
| 0.66 (12/7/2016) | 1.3 (11/19/2014) | (0.66 - 1.3)/(16 - 8) | -0.08 |
| 1.08 (3/2/2017) | 1.3 (11/19/2014) | (1.08 - 1.3)/(17 - 8) | -0.0244444 |
| 0.62 (6/21/2017) | 1.3 (11/19/2014) | (0.62 - 1.3)/(18 - 8) | -0.068 |
| 0.89 (8/17/2017) | 1.3 (11/19/2014) | (0.89 - 1.3)/(19 - 8) | -0.0372727 |
| 0.94 (10/26/2017) | 1.3 (11/19/2014) | (0.94 - 1.3)/(20 - 8) | -0.03 |
| 0.849 (3/27/2018) | 1.3 (11/19/2014) | (0.849 - 1.3)/(21 - 8) | -0.0346923 |
| 0.849 (6/26/2018) | 1.3 (11/19/2014) | (0.849 - 1.3)/(22 - 8) | -0.0322143 |
| 0.51 (8/1/2018) | 1.3 (11/19/2014) | (0.51 - 1.3)/(23 - 8) | -0.0526667 |
| 1.09 (12/11/2018) | 1.3 (11/19/2014) | (1.09 - 1.3)/(24 - 8) | -0.013125 |
| 0.638 (4/17/2019) | 1.3 (11/19/2014) | (0.638 - 1.3)/(25 - 8) | -0.0389412 |
| 0.822 (6/11/2019) | 1.3 (11/19/2014) | (0.822 - 1.3)/(26 - 8) | -0.0265556 |
| 0.534 (8/28/2019) | 1.3 (11/19/2014) | (0.534 - 1.3)/(27 - 8) | -0.0403158 |
| 0.665 (10/28/2019) | 1.3 (11/19/2014) | (0.665 - 1.3)/(28 - 8) | -0.03175 |
| 0.657 (3/31/2020) | 1.3 (11/19/2014) | (0.657 - 1.3)/(29 - 8) | -0.030619 |
| 0.825 (6/10/2020) | 1.3 (11/19/2014) | (0.825 - 1.3)/(30 - 8) | -0.0215909 |
| 0.825 (6/10/2020) | 1.3 (11/19/2014) | (0.825 - 1.3)/(30 - 8) | -0.0215909 |
| 0.603 (9/21/2020) | 1.3 (11/19/2014) | (0.603 - 1.3)/(31 - 8) | -0.0303043 |
| 0.831 (12/17/2020) | 1.3 (11/19/2014) | (0.831 - 1.3)/(32 - 8) | -0.0195417 |
| 0.31 (3/18/2021) | 1.3 (11/19/2014) | (0.31 - 1.3)/(33 - 8) | -0.0396 |
| 6.86 (5/5/2021) | 1.3 (11/19/2014) | (6.86 - 1.3)/(34 - 8) | 0.213846 |
| 0.482 (9/2/2021) | 1.3 (11/19/2014) | (0.482 - 1.3)/(35 - 8) | -0.0302963 |
| 0.343 (11/23/2021) | 1.3 (11/19/2014) | (0.343 - 1.3)/(36 - 8) | -0.0341786 |
| 0.769 (1/10/2022) | 1.3 (11/19/2014) | (0.769 - 1.3)/(37 - 8) | -0.0183103 |
| 0.509 (4/7/2022) | 1.3 (11/19/2014) | (0.509 - 1.3)/(38 - 8) | -0.0263667 |
| 0.715 (8/3/2022) | 1.3 (11/19/2014) | (0.715 - 1.3)/(39 - 8) | -0.018871 |
| 0.366 (11/16/2022) | 1.3 (11/19/2014) | (0.366 - 1.3)/(40 - 8) | -0.0291875 |
| 0.699 (2/13/2023) | 1.3 (11/19/2014) | (0.699 - 1.3)/(41 - 8) | -0.0182121 |
| 0.697 (5/24/2023) | 1.3 (11/19/2014) | (0.697 - 1.3)/(42 - 8) | -0.0177353 |
| 0.832 (8/7/2023) | 1.3 (11/19/2014) | (0.832 - 1.3)/(43 - 8) | -0.0133714 |
| 0.696 (12/12/2023) | 1.3 (11/19/2014) | (0.696 - 1.3)/(44 - 8) | -0.0167778 |
| 0.642 (1/10/2024) | 1.3 (11/19/2014) | (0.642 - 1.3)/(45 - 8) | -0.0177838 |
| 0.737 (5/20/2024) | 1.3 (11/19/2014) | (0.737 - 1.3)/(46 - 8) | -0.0148158 |
| 1.68 (9/16/2024) | 1.3 (11/19/2014) | (1.68 - 1.3)/(47 - 8) | 0.00974359 |
| 1.07 (12/11/2024) | 1.3 (11/19/2014) | (1.07 - 1.3)/(48 - 8) | -0.00575 |
| 1.05 (2/18/2025) | 1.3 (11/19/2014) | (1.05 - 1.3)/(49 - 8) | -0.00609756 |
| | | | |
| 0.69 (4/22/2015) | 0.71 (3/23/2015) | (0.69 - 0.71)/(10 - 9) | -0.02 |
| 1.82 (9/30/2015) | 0.71 (3/23/2015) | (1.82 - 0.71)/(11 - 9) | 0.555 |
| 0.67 (11/19/2015) | 0.71 (3/23/2015) | (0.67 - 0.71)/(12 - 9) | -0.0133333 |
| 0.58 (3/15/2016) | 0.71 (3/23/2015) | (0.58 - 0.71)/(13 - 9) | -0.0325 |
| 0.8 (6/29/2016) | 0.71 (3/23/2015) | (0.8 - 0.71)/(14 - 9) | 0.018 |
| 0.98 (8/9/2016) | 0.71 (3/23/2015) | (0.98 - 0.71)/(15 - 9) | 0.045 |
| 0.66 (12/7/2016) | 0.71 (3/23/2015) | (0.66 - 0.71)/(16 - 9) | -0.00714286 |
| 1.08 (3/2/2017) | 0.71 (3/23/2015) | (1.08 - 0.71)/(17 - 9) | 0.04625 |
| 0.62 (6/21/2017) | 0.71 (3/23/2015) | (0.62 - 0.71)/(18 - 9) | -0.01 |
| 0.89 (8/17/2017) | 0.71 (3/23/2015) | (0.89 - 0.71)/(19 - 9) | 0.018 |
| 0.94 (10/26/2017) | 0.71 (3/23/2015) | (0.94 - 0.71)/(20 - 9) | 0.0209091 |
| 0.849 (3/27/2018) | 0.71 (3/23/2015) | (0.849 - 0.71)/(21 - 9) | 0.0115833 |
| 0.849 (6/26/2018) | 0.71 (3/23/2015) | (0.849 - 0.71)/(22 - 9) | 0.0106923 |
| 0.51 (8/1/2018) | 0.71 (3/23/2015) | (0.51 - 0.71)/(23 - 9) | -0.0142857 |
| 1.09 (12/11/2018) | 0.71 (3/23/2015) | (1.09 - 0.71)/(24 - 9) | 0.0253333 |
| 0.638 (4/17/2019) | 0.71 (3/23/2015) | (0.638 - 0.71)/(25 - 9) | -0.0045 |
| 0.822 (6/11/2019) | 0.71 (3/23/2015) | (0.822 - 0.71)/(26 - 9) | 0.00658824 |
| 0.534 (8/28/2019) | 0.71 (3/23/2015) | (0.534 - 0.71)/(27 - 9) | -0.00977778 |

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|---|---|---|---|
| 0.665 (10/28/2019) | 0.71 (3/23/2015) | (0.665 - 0.71)/(28 - 9) | -0.00236842 |
| 0.657 (3/31/2020) | 0.71 (3/23/2015) | (0.657 - 0.71)/(29 - 9) | -0.00265 |
| 0.825 (6/10/2020) | 0.71 (3/23/2015) | (0.825 - 0.71)/(30 - 9) | 0.00547619 |
| 0.825 (6/10/2020) | 0.71 (3/23/2015) | (0.825 - 0.71)/(30 - 9) | 0.00547619 |
| 0.603 (9/21/2020) | 0.71 (3/23/2015) | (0.603 - 0.71)/(31 - 9) | -0.00486364 |
| 0.831 (12/17/2020) | 0.71 (3/23/2015) | (0.831 - 0.71)/(32 - 9) | 0.00526087 |
| 0.31 (3/18/2021) | 0.71 (3/23/2015) | (0.31 - 0.71)/(33 - 9) | -0.0166667 |
| 6.86 (5/5/2021) | 0.71 (3/23/2015) | (6.86 - 0.71)/(34 - 9) | 0.246 |
| 0.482 (9/2/2021) | 0.71 (3/23/2015) | (0.482 - 0.71)/(35 - 9) | -0.00876923 |
| 0.343 (11/23/2021) | 0.71 (3/23/2015) | (0.343 - 0.71)/(36 - 9) | -0.0135926 |
| 0.769 (1/10/2022) | 0.71 (3/23/2015) | (0.769 - 0.71)/(37 - 9) | 0.00210714 |
| 0.509 (4/7/2022) | 0.71 (3/23/2015) | (0.509 - 0.71)/(38 - 9) | -0.00693103 |
| 0.715 (8/3/2022) | 0.71 (3/23/2015) | (0.715 - 0.71)/(39 - 9) | 0.000166667 |
| 0.366 (11/16/2022) | 0.71 (3/23/2015) | (0.366 - 0.71)/(40 - 9) | -0.0110968 |
| 0.699 (2/13/2023) | 0.71 (3/23/2015) | (0.699 - 0.71)/(41 - 9) | -0.00034375 |
| 0.697 (5/24/2023) | 0.71 (3/23/2015) | (0.697 - 0.71)/(42 - 9) | -0.000393939 |
| 0.832 (8/7/2023) | 0.71 (3/23/2015) | (0.832 - 0.71)/(43 - 9) | 0.00358824 |
| 0.696 (12/12/2023) | 0.71 (3/23/2015) | (0.696 - 0.71)/(44 - 9) | -0.0004 |
| 0.642 (1/10/2024) | 0.71 (3/23/2015) | (0.642 - 0.71)/(45 - 9) | -0.00188889 |
| 0.737 (5/20/2024) | 0.71 (3/23/2015) | (0.737 - 0.71)/(46 - 9) | 0.00072973 |
| 1.68 (9/16/2024) | 0.71 (3/23/2015) | (1.68 - 0.71)/(47 - 9) | 0.0255263 |
| 1.07 (12/11/2024) | 0.71 (3/23/2015) | (1.07 - 0.71)/(48 - 9) | 0.00923077 |
| 1.05 (2/18/2025) | 0.71 (3/23/2015) | (1.05 - 0.71)/(49 - 9) | 0.0085 |
| | | | |
| 1.82 (9/30/2015) | 0.69 (4/22/2015) | (1.82 - 0.69)/(11 - 10) | 1.13 |
| 0.67 (11/19/2015) | 0.69 (4/22/2015) | (0.67 - 0.69)/(12 - 10) | -0.01 |
| 0.58 (3/15/2016) | 0.69 (4/22/2015) | (0.58 - 0.69)/(13 - 10) | -0.0366667 |
| 0.8 (6/29/2016) | 0.69 (4/22/2015) | (0.8 - 0.69)/(14 - 10) | 0.0275 |
| 0.98 (8/9/2016) | 0.69 (4/22/2015) | (0.98 - 0.69)/(15 - 10) | 0.058 |
| 0.66 (12/7/2016) | 0.69 (4/22/2015) | (0.66 - 0.69)/(16 - 10) | -0.005 |
| 1.08 (3/2/2017) | 0.69 (4/22/2015) | (1.08 - 0.69)/(17 - 10) | 0.0557143 |
| 0.62 (6/21/2017) | 0.69 (4/22/2015) | (0.62 - 0.69)/(18 - 10) | -0.00875 |
| 0.89 (8/17/2017) | 0.69 (4/22/2015) | (0.89 - 0.69)/(19 - 10) | 0.0222222 |
| 0.94 (10/26/2017) | 0.69 (4/22/2015) | (0.94 - 0.69)/(20 - 10) | 0.025 |
| 0.849 (3/27/2018) | 0.69 (4/22/2015) | (0.849 - 0.69)/(21 - 10) | 0.0144545 |
| 0.849 (6/26/2018) | 0.69 (4/22/2015) | (0.849 - 0.69)/(22 - 10) | 0.01325 |
| 0.51 (8/1/2018) | 0.69 (4/22/2015) | (0.51 - 0.69)/(23 - 10) | -0.0138462 |
| 1.09 (12/11/2018) | 0.69 (4/22/2015) | (1.09 - 0.69)/(24 - 10) | 0.0285714 |
| 0.638 (4/17/2019) | 0.69 (4/22/2015) | (0.638 - 0.69)/(25 - 10) | -0.00346667 |
| 0.822 (6/11/2019) | 0.69 (4/22/2015) | (0.822 - 0.69)/(26 - 10) | 0.00825 |
| 0.534 (8/28/2019) | 0.69 (4/22/2015) | (0.534 - 0.69)/(27 - 10) | -0.00917647 |
| 0.665 (10/28/2019) | 0.69 (4/22/2015) | (0.665 - 0.69)/(28 - 10) | -0.00138889 |
| 0.657 (3/31/2020) | 0.69 (4/22/2015) | (0.657 - 0.69)/(29 - 10) | -0.00173684 |
| 0.825 (6/10/2020) | 0.69 (4/22/2015) | (0.825 - 0.69)/(30 - 10) | 0.00675 |
| 0.825 (6/10/2020) | 0.69 (4/22/2015) | (0.825 - 0.69)/(30 - 10) | 0.00675 |
| 0.603 (9/21/2020) | 0.69 (4/22/2015) | (0.603 - 0.69)/(31 - 10) | -0.00414286 |
| 0.831 (12/17/2020) | 0.69 (4/22/2015) | (0.831 - 0.69)/(32 - 10) | 0.00640909 |
| 0.31 (3/18/2021) | 0.69 (4/22/2015) | (0.31 - 0.69)/(33 - 10) | -0.0165217 |
| 6.86 (5/5/2021) | 0.69 (4/22/2015) | (6.86 - 0.69)/(34 - 10) | 0.257083 |
| 0.482 (9/2/2021) | 0.69 (4/22/2015) | (0.482 - 0.69)/(35 - 10) | -0.00832 |
| 0.343 (11/23/2021) | 0.69 (4/22/2015) | (0.343 - 0.69)/(36 - 10) | -0.0133462 |
| 0.769 (1/10/2022) | 0.69 (4/22/2015) | (0.769 - 0.69)/(37 - 10) | 0.00292593 |
| 0.509 (4/7/2022) | 0.69 (4/22/2015) | (0.509 - 0.69)/(38 - 10) | -0.00646429 |
| 0.715 (8/3/2022) | 0.69 (4/22/2015) | (0.715 - 0.69)/(39 - 10) | 0.000862069 |
| 0.366 (11/16/2022) | 0.69 (4/22/2015) | (0.366 - 0.69)/(40 - 10) | -0.0108 |
| 0.699 (2/13/2023) | 0.69 (4/22/2015) | (0.699 - 0.69)/(41 - 10) | 0.000290323 |
| 0.697 (5/24/2023) | 0.69 (4/22/2015) | (0.697 - 0.69)/(42 - 10) | 0.00021875 |

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|---|---|---|---|
| 0.832 (8/7/2023) | 0.69 (4/22/2015) | (0.832 - 0.69)/(43 - 10) | 0.00430303 |
| 0.696 (12/12/2023) | 0.69 (4/22/2015) | (0.696 - 0.69)/(44 - 10) | 0.000176471 |
| 0.642 (1/10/2024) | 0.69 (4/22/2015) | (0.642 - 0.69)/(45 - 10) | -0.00137143 |
| 0.737 (5/20/2024) | 0.69 (4/22/2015) | (0.737 - 0.69)/(46 - 10) | 0.00130556 |
| 1.68 (9/16/2024) | 0.69 (4/22/2015) | (1.68 - 0.69)/(47 - 10) | 0.0267568 |
| 1.07 (12/11/2024) | 0.69 (4/22/2015) | (1.07 - 0.69)/(48 - 10) | 0.01 |
| 1.05 (2/18/2025) | 0.69 (4/22/2015) | (1.05 - 0.69)/(49 - 10) | 0.00923077 |
| | | | |
| 0.67 (11/19/2015) | 1.82 (9/30/2015) | (0.67 - 1.82)/(12 - 11) | -1.15 |
| 0.58 (3/15/2016) | 1.82 (9/30/2015) | (0.58 - 1.82)/(13 - 11) | -0.62 |
| 0.8 (6/29/2016) | 1.82 (9/30/2015) | (0.8 - 1.82)/(14 - 11) | -0.34 |
| 0.98 (8/9/2016) | 1.82 (9/30/2015) | (0.98 - 1.82)/(15 - 11) | -0.21 |
| 0.66 (12/7/2016) | 1.82 (9/30/2015) | (0.66 - 1.82)/(16 - 11) | -0.232 |
| 1.08 (3/2/2017) | 1.82 (9/30/2015) | (1.08 - 1.82)/(17 - 11) | -0.123333 |
| 0.62 (6/21/2017) | 1.82 (9/30/2015) | (0.62 - 1.82)/(18 - 11) | -0.171429 |
| 0.89 (8/17/2017) | 1.82 (9/30/2015) | (0.89 - 1.82)/(19 - 11) | -0.11625 |
| 0.94 (10/26/2017) | 1.82 (9/30/2015) | (0.94 - 1.82)/(20 - 11) | -0.0977778 |
| 0.849 (3/27/2018) | 1.82 (9/30/2015) | (0.849 - 1.82)/(21 - 11) | -0.0971 |
| 0.849 (6/26/2018) | 1.82 (9/30/2015) | (0.849 - 1.82)/(22 - 11) | -0.0882727 |
| 0.51 (8/1/2018) | 1.82 (9/30/2015) | (0.51 - 1.82)/(23 - 11) | -0.109167 |
| 1.09 (12/11/2018) | 1.82 (9/30/2015) | (1.09 - 1.82)/(24 - 11) | -0.0561538 |
| 0.638 (4/17/2019) | 1.82 (9/30/2015) | (0.638 - 1.82)/(25 - 11) | -0.0844286 |
| 0.822 (6/11/2019) | 1.82 (9/30/2015) | (0.822 - 1.82)/(26 - 11) | -0.0665333 |
| 0.534 (8/28/2019) | 1.82 (9/30/2015) | (0.534 - 1.82)/(27 - 11) | -0.080375 |
| 0.665 (10/28/2019) | 1.82 (9/30/2015) | (0.665 - 1.82)/(28 - 11) | -0.0679412 |
| 0.657 (3/31/2020) | 1.82 (9/30/2015) | (0.657 - 1.82)/(29 - 11) | -0.0646111 |
| 0.825 (6/10/2020) | 1.82 (9/30/2015) | (0.825 - 1.82)/(30 - 11) | -0.0523684 |
| 0.825 (6/10/2020) | 1.82 (9/30/2015) | (0.825 - 1.82)/(30 - 11) | -0.0523684 |
| 0.603 (9/21/2020) | 1.82 (9/30/2015) | (0.603 - 1.82)/(31 - 11) | -0.06085 |
| 0.831 (12/17/2020) | 1.82 (9/30/2015) | (0.831 - 1.82)/(32 - 11) | -0.0470952 |
| 0.31 (3/18/2021) | 1.82 (9/30/2015) | (0.31 - 1.82)/(33 - 11) | -0.0686364 |
| 6.86 (5/5/2021) | 1.82 (9/30/2015) | (6.86 - 1.82)/(34 - 11) | 0.21913 |
| 0.482 (9/2/2021) | 1.82 (9/30/2015) | (0.482 - 1.82)/(35 - 11) | -0.05575 |
| 0.343 (11/23/2021) | 1.82 (9/30/2015) | (0.343 - 1.82)/(36 - 11) | -0.05908 |
| 0.769 (1/10/2022) | 1.82 (9/30/2015) | (0.769 - 1.82)/(37 - 11) | -0.0404231 |
| 0.509 (4/7/2022) | 1.82 (9/30/2015) | (0.509 - 1.82)/(38 - 11) | -0.0485556 |
| 0.715 (8/3/2022) | 1.82 (9/30/2015) | (0.715 - 1.82)/(39 - 11) | -0.0394643 |
| 0.366 (11/16/2022) | 1.82 (9/30/2015) | (0.366 - 1.82)/(40 - 11) | -0.0501379 |
| 0.699 (2/13/2023) | 1.82 (9/30/2015) | (0.699 - 1.82)/(41 - 11) | -0.0373667 |
| 0.697 (5/24/2023) | 1.82 (9/30/2015) | (0.697 - 1.82)/(42 - 11) | -0.0362258 |
| 0.832 (8/7/2023) | 1.82 (9/30/2015) | (0.832 - 1.82)/(43 - 11) | -0.030875 |
| 0.696 (12/12/2023) | 1.82 (9/30/2015) | (0.696 - 1.82)/(44 - 11) | -0.0340606 |
| 0.642 (1/10/2024) | 1.82 (9/30/2015) | (0.642 - 1.82)/(45 - 11) | -0.0346471 |
| 0.737 (5/20/2024) | 1.82 (9/30/2015) | (0.737 - 1.82)/(46 - 11) | -0.0309429 |
| 1.68 (9/16/2024) | 1.82 (9/30/2015) | (1.68 - 1.82)/(47 - 11) | -0.00388889 |
| 1.07 (12/11/2024) | 1.82 (9/30/2015) | (1.07 - 1.82)/(48 - 11) | -0.0202703 |
| 1.05 (2/18/2025) | 1.82 (9/30/2015) | (1.05 - 1.82)/(49 - 11) | -0.0202632 |
| | | | |
| 0.58 (3/15/2016) | 0.67 (11/19/2015) | (0.58 - 0.67)/(13 - 12) | -0.09 |
| 0.8 (6/29/2016) | 0.67 (11/19/2015) | (0.8 - 0.67)/(14 - 12) | 0.065 |
| 0.98 (8/9/2016) | 0.67 (11/19/2015) | (0.98 - 0.67)/(15 - 12) | 0.103333 |
| 0.66 (12/7/2016) | 0.67 (11/19/2015) | (0.66 - 0.67)/(16 - 12) | -0.0025 |
| 1.08 (3/2/2017) | 0.67 (11/19/2015) | (1.08 - 0.67)/(17 - 12) | 0.082 |
| 0.62 (6/21/2017) | 0.67 (11/19/2015) | (0.62 - 0.67)/(18 - 12) | -0.00833333 |
| 0.89 (8/17/2017) | 0.67 (11/19/2015) | (0.89 - 0.67)/(19 - 12) | 0.0314286 |
| 0.94 (10/26/2017) | 0.67 (11/19/2015) | (0.94 - 0.67)/(20 - 12) | 0.03375 |
| 0.849 (3/27/2018) | 0.67 (11/19/2015) | (0.849 - 0.67)/(21 - 12) | 0.0198889 |

| | | | |
|---|---|---|---|
| 0.849 (6/26/2018) | 0.67 (11/19/2015) | (0.849 - 0.67)/(22 - 12) | 0.0179 |
| 0.51 (8/1/2018) | 0.67 (11/19/2015) | (0.51 - 0.67)/(23 - 12) | -0.0145455 |
| 1.09 (12/11/2018) | 0.67 (11/19/2015) | (1.09 - 0.67)/(24 - 12) | 0.035 |
| 0.638 (4/17/2019) | 0.67 (11/19/2015) | (0.638 - 0.67)/(25 - 12) | -0.00246154 |
| 0.822 (6/11/2019) | 0.67 (11/19/2015) | (0.822 - 0.67)/(26 - 12) | 0.0108571 |
| 0.534 (8/28/2019) | 0.67 (11/19/2015) | (0.534 - 0.67)/(27 - 12) | -0.00906667 |
| 0.665 (10/28/2019) | 0.67 (11/19/2015) | (0.665 - 0.67)/(28 - 12) | -0.0003125 |
| 0.657 (3/31/2020) | 0.67 (11/19/2015) | (0.657 - 0.67)/(29 - 12) | -0.000764706 |
| 0.825 (6/10/2020) | 0.67 (11/19/2015) | (0.825 - 0.67)/(30 - 12) | 0.00861111 |
| 0.825 (6/10/2020) | 0.67 (11/19/2015) | (0.825 - 0.67)/(30 - 12) | 0.00861111 |
| 0.603 (9/21/2020) | 0.67 (11/19/2015) | (0.603 - 0.67)/(31 - 12) | -0.00352632 |
| 0.831 (12/17/2020) | 0.67 (11/19/2015) | (0.831 - 0.67)/(32 - 12) | 0.00805 |
| 0.31 (3/18/2021) | 0.67 (11/19/2015) | (0.31 - 0.67)/(33 - 12) | -0.0171429 |
| 6.86 (5/5/2021) | 0.67 (11/19/2015) | (6.86 - 0.67)/(34 - 12) | 0.281364 |
| 0.482 (9/2/2021) | 0.67 (11/19/2015) | (0.482 - 0.67)/(35 - 12) | -0.00817391 |
| 0.343 (11/23/2021) | 0.67 (11/19/2015) | (0.343 - 0.67)/(36 - 12) | -0.013625 |
| 0.769 (1/10/2022) | 0.67 (11/19/2015) | (0.769 - 0.67)/(37 - 12) | 0.00396 |
| 0.509 (4/7/2022) | 0.67 (11/19/2015) | (0.509 - 0.67)/(38 - 12) | -0.00619231 |
| 0.715 (8/3/2022) | 0.67 (11/19/2015) | (0.715 - 0.67)/(39 - 12) | 0.00166667 |
| 0.366 (11/16/2022) | 0.67 (11/19/2015) | (0.366 - 0.67)/(40 - 12) | -0.0108571 |
| 0.699 (2/13/2023) | 0.67 (11/19/2015) | (0.699 - 0.67)/(41 - 12) | 0.001 |
| 0.697 (5/24/2023) | 0.67 (11/19/2015) | (0.697 - 0.67)/(42 - 12) | 0.0009 |
| 0.832 (8/7/2023) | 0.67 (11/19/2015) | (0.832 - 0.67)/(43 - 12) | 0.00522581 |
| 0.696 (12/12/2023) | 0.67 (11/19/2015) | (0.696 - 0.67)/(44 - 12) | 0.0008125 |
| 0.642 (1/10/2024) | 0.67 (11/19/2015) | (0.642 - 0.67)/(45 - 12) | -0.000848485 |
| 0.737 (5/20/2024) | 0.67 (11/19/2015) | (0.737 - 0.67)/(46 - 12) | 0.00197059 |
| 1.68 (9/16/2024) | 0.67 (11/19/2015) | (1.68 - 0.67)/(47 - 12) | 0.0288571 |
| 1.07 (12/11/2024) | 0.67 (11/19/2015) | (1.07 - 0.67)/(48 - 12) | 0.0111111 |
| 1.05 (2/18/2025) | 0.67 (11/19/2015) | (1.05 - 0.67)/(49 - 12) | 0.0102703 |
| | | | |
| 0.8 (6/29/2016) | 0.58 (3/15/2016) | (0.8 - 0.58)/(14 - 13) | 0.22 |
| 0.98 (8/9/2016) | 0.58 (3/15/2016) | (0.98 - 0.58)/(15 - 13) | 0.2 |
| 0.66 (12/7/2016) | 0.58 (3/15/2016) | (0.66 - 0.58)/(16 - 13) | 0.0266667 |
| 1.08 (3/2/2017) | 0.58 (3/15/2016) | (1.08 - 0.58)/(17 - 13) | 0.125 |
| 0.62 (6/21/2017) | 0.58 (3/15/2016) | (0.62 - 0.58)/(18 - 13) | 0.008 |
| 0.89 (8/17/2017) | 0.58 (3/15/2016) | (0.89 - 0.58)/(19 - 13) | 0.0516667 |
| 0.94 (10/26/2017) | 0.58 (3/15/2016) | (0.94 - 0.58)/(20 - 13) | 0.0514286 |
| 0.849 (3/27/2018) | 0.58 (3/15/2016) | (0.849 - 0.58)/(21 - 13) | 0.033625 |
| 0.849 (6/26/2018) | 0.58 (3/15/2016) | (0.849 - 0.58)/(22 - 13) | 0.0298889 |
| 0.51 (8/1/2018) | 0.58 (3/15/2016) | (0.51 - 0.58)/(23 - 13) | -0.007 |
| 1.09 (12/11/2018) | 0.58 (3/15/2016) | (1.09 - 0.58)/(24 - 13) | 0.0463636 |
| 0.638 (4/17/2019) | 0.58 (3/15/2016) | (0.638 - 0.58)/(25 - 13) | 0.00483333 |
| 0.822 (6/11/2019) | 0.58 (3/15/2016) | (0.822 - 0.58)/(26 - 13) | 0.0186154 |
| 0.534 (8/28/2019) | 0.58 (3/15/2016) | (0.534 - 0.58)/(27 - 13) | -0.00328571 |
| 0.665 (10/28/2019) | 0.58 (3/15/2016) | (0.665 - 0.58)/(28 - 13) | 0.00566667 |
| 0.657 (3/31/2020) | 0.58 (3/15/2016) | (0.657 - 0.58)/(29 - 13) | 0.0048125 |
| 0.825 (6/10/2020) | 0.58 (3/15/2016) | (0.825 - 0.58)/(30 - 13) | 0.0144118 |
| 0.825 (6/10/2020) | 0.58 (3/15/2016) | (0.825 - 0.58)/(30 - 13) | 0.0144118 |
| 0.603 (9/21/2020) | 0.58 (3/15/2016) | (0.603 - 0.58)/(31 - 13) | 0.00127778 |
| 0.831 (12/17/2020) | 0.58 (3/15/2016) | (0.831 - 0.58)/(32 - 13) | 0.0132105 |
| 0.31 (3/18/2021) | 0.58 (3/15/2016) | (0.31 - 0.58)/(33 - 13) | -0.0135 |
| 6.86 (5/5/2021) | 0.58 (3/15/2016) | (6.86 - 0.58)/(34 - 13) | 0.299048 |
| 0.482 (9/2/2021) | 0.58 (3/15/2016) | (0.482 - 0.58)/(35 - 13) | -0.00445455 |
| 0.343 (11/23/2021) | 0.58 (3/15/2016) | (0.343 - 0.58)/(36 - 13) | -0.0103043 |
| 0.769 (1/10/2022) | 0.58 (3/15/2016) | (0.769 - 0.58)/(37 - 13) | 0.007875 |
| 0.509 (4/7/2022) | 0.58 (3/15/2016) | (0.509 - 0.58)/(38 - 13) | -0.00284 |
| 0.715 (8/3/2022) | 0.58 (3/15/2016) | (0.715 - 0.58)/(39 - 13) | 0.00519231 |

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|---|---|---|---|
| 0.366 (11/16/2022) | 0.58 (3/15/2016) | (0.366 - 0.58)/(40 - 13) | -0.00792593 |
| 0.699 (2/13/2023) | 0.58 (3/15/2016) | (0.699 - 0.58)/(41 - 13) | 0.00425 |
| 0.697 (5/24/2023) | 0.58 (3/15/2016) | (0.697 - 0.58)/(42 - 13) | 0.00403448 |
| 0.832 (8/7/2023) | 0.58 (3/15/2016) | (0.832 - 0.58)/(43 - 13) | 0.0084 |
| 0.696 (12/12/2023) | 0.58 (3/15/2016) | (0.696 - 0.58)/(44 - 13) | 0.00374194 |
| 0.642 (1/10/2024) | 0.58 (3/15/2016) | (0.642 - 0.58)/(45 - 13) | 0.0019375 |
| 0.737 (5/20/2024) | 0.58 (3/15/2016) | (0.737 - 0.58)/(46 - 13) | 0.00475758 |
| 1.68 (9/16/2024) | 0.58 (3/15/2016) | (1.68 - 0.58)/(47 - 13) | 0.0323529 |
| 1.07 (12/11/2024) | 0.58 (3/15/2016) | (1.07 - 0.58)/(48 - 13) | 0.014 |
| 1.05 (2/18/2025) | 0.58 (3/15/2016) | (1.05 - 0.58)/(49 - 13) | 0.0130556 |
| | | | |
| 0.98 (8/9/2016) | 0.8 (6/29/2016) | (0.98 - 0.8)/(15 - 14) | 0.18 |
| 0.66 (12/7/2016) | 0.8 (6/29/2016) | (0.66 - 0.8)/(16 - 14) | -0.07 |
| 1.08 (3/2/2017) | 0.8 (6/29/2016) | (1.08 - 0.8)/(17 - 14) | 0.0933333 |
| 0.62 (6/21/2017) | 0.8 (6/29/2016) | (0.62 - 0.8)/(18 - 14) | -0.045 |
| 0.89 (8/17/2017) | 0.8 (6/29/2016) | (0.89 - 0.8)/(19 - 14) | 0.018 |
| 0.94 (10/26/2017) | 0.8 (6/29/2016) | (0.94 - 0.8)/(20 - 14) | 0.0233333 |
| 0.849 (3/27/2018) | 0.8 (6/29/2016) | (0.849 - 0.8)/(21 - 14) | 0.007 |
| 0.849 (6/26/2018) | 0.8 (6/29/2016) | (0.849 - 0.8)/(22 - 14) | 0.006125 |
| 0.51 (8/1/2018) | 0.8 (6/29/2016) | (0.51 - 0.8)/(23 - 14) | -0.0322222 |
| 1.09 (12/11/2018) | 0.8 (6/29/2016) | (1.09 - 0.8)/(24 - 14) | 0.029 |
| 0.638 (4/17/2019) | 0.8 (6/29/2016) | (0.638 - 0.8)/(25 - 14) | -0.0147273 |
| 0.822 (6/11/2019) | 0.8 (6/29/2016) | (0.822 - 0.8)/(26 - 14) | 0.00183333 |
| 0.534 (8/28/2019) | 0.8 (6/29/2016) | (0.534 - 0.8)/(27 - 14) | -0.0204615 |
| 0.665 (10/28/2019) | 0.8 (6/29/2016) | (0.665 - 0.8)/(28 - 14) | -0.00964286 |
| 0.657 (3/31/2020) | 0.8 (6/29/2016) | (0.657 - 0.8)/(29 - 14) | -0.00953333 |
| 0.825 (6/10/2020) | 0.8 (6/29/2016) | (0.825 - 0.8)/(30 - 14) | 0.0015625 |
| 0.825 (6/10/2020) | 0.8 (6/29/2016) | (0.825 - 0.8)/(30 - 14) | 0.0015625 |
| 0.603 (9/21/2020) | 0.8 (6/29/2016) | (0.603 - 0.8)/(31 - 14) | -0.0115882 |
| 0.831 (12/17/2020) | 0.8 (6/29/2016) | (0.831 - 0.8)/(32 - 14) | 0.00172222 |
| 0.31 (3/18/2021) | 0.8 (6/29/2016) | (0.31 - 0.8)/(33 - 14) | -0.0257895 |
| 6.86 (5/5/2021) | 0.8 (6/29/2016) | (6.86 - 0.8)/(34 - 14) | 0.303 |
| 0.482 (9/2/2021) | 0.8 (6/29/2016) | (0.482 - 0.8)/(35 - 14) | -0.0151429 |
| 0.343 (11/23/2021) | 0.8 (6/29/2016) | (0.343 - 0.8)/(36 - 14) | -0.0207727 |
| 0.769 (1/10/2022) | 0.8 (6/29/2016) | (0.769 - 0.8)/(37 - 14) | -0.00134783 |
| 0.509 (4/7/2022) | 0.8 (6/29/2016) | (0.509 - 0.8)/(38 - 14) | -0.012125 |
| 0.715 (8/3/2022) | 0.8 (6/29/2016) | (0.715 - 0.8)/(39 - 14) | -0.0034 |
| 0.366 (11/16/2022) | 0.8 (6/29/2016) | (0.366 - 0.8)/(40 - 14) | -0.0166923 |
| 0.699 (2/13/2023) | 0.8 (6/29/2016) | (0.699 - 0.8)/(41 - 14) | -0.00374074 |
| 0.697 (5/24/2023) | 0.8 (6/29/2016) | (0.697 - 0.8)/(42 - 14) | -0.00367857 |
| 0.832 (8/7/2023) | 0.8 (6/29/2016) | (0.832 - 0.8)/(43 - 14) | 0.00110345 |
| 0.696 (12/12/2023) | 0.8 (6/29/2016) | (0.696 - 0.8)/(44 - 14) | -0.00346667 |
| 0.642 (1/10/2024) | 0.8 (6/29/2016) | (0.642 - 0.8)/(45 - 14) | -0.00509677 |
| 0.737 (5/20/2024) | 0.8 (6/29/2016) | (0.737 - 0.8)/(46 - 14) | -0.00196875 |
| 1.68 (9/16/2024) | 0.8 (6/29/2016) | (1.68 - 0.8)/(47 - 14) | 0.0266667 |
| 1.07 (12/11/2024) | 0.8 (6/29/2016) | (1.07 - 0.8)/(48 - 14) | 0.00794118 |
| 1.05 (2/18/2025) | 0.8 (6/29/2016) | (1.05 - 0.8)/(49 - 14) | 0.00714286 |
| | | | |
| 0.66 (12/7/2016) | 0.98 (8/9/2016) | (0.66 - 0.98)/(16 - 15) | -0.32 |
| 1.08 (3/2/2017) | 0.98 (8/9/2016) | (1.08 - 0.98)/(17 - 15) | 0.05 |
| 0.62 (6/21/2017) | 0.98 (8/9/2016) | (0.62 - 0.98)/(18 - 15) | -0.12 |
| 0.89 (8/17/2017) | 0.98 (8/9/2016) | (0.89 - 0.98)/(19 - 15) | -0.0225 |
| 0.94 (10/26/2017) | 0.98 (8/9/2016) | (0.94 - 0.98)/(20 - 15) | -0.008 |
| 0.849 (3/27/2018) | 0.98 (8/9/2016) | (0.849 - 0.98)/(21 - 15) | -0.0218333 |
| 0.849 (6/26/2018) | 0.98 (8/9/2016) | (0.849 - 0.98)/(22 - 15) | -0.0187143 |
| 0.51 (8/1/2018) | 0.98 (8/9/2016) | (0.51 - 0.98)/(23 - 15) | -0.05875 |
| 1.09 (12/11/2018) | 0.98 (8/9/2016) | (1.09 - 0.98)/(24 - 15) | 0.0122222 |

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|---|---|---|---|
| 0.638 (4/17/2019) | 0.98 (8/9/2016) | (0.638 - 0.98)/(25 - 15) | -0.0342 |
| 0.822 (6/11/2019) | 0.98 (8/9/2016) | (0.822 - 0.98)/(26 - 15) | -0.0143636 |
| 0.534 (8/28/2019) | 0.98 (8/9/2016) | (0.534 - 0.98)/(27 - 15) | -0.0371667 |
| 0.665 (10/28/2019) | 0.98 (8/9/2016) | (0.665 - 0.98)/(28 - 15) | -0.0242308 |
| 0.657 (3/31/2020) | 0.98 (8/9/2016) | (0.657 - 0.98)/(29 - 15) | -0.0230714 |
| 0.825 (6/10/2020) | 0.98 (8/9/2016) | (0.825 - 0.98)/(30 - 15) | -0.0103333 |
| 0.825 (6/10/2020) | 0.98 (8/9/2016) | (0.825 - 0.98)/(30 - 15) | -0.0103333 |
| 0.603 (9/21/2020) | 0.98 (8/9/2016) | (0.603 - 0.98)/(31 - 15) | -0.0235625 |
| 0.831 (12/17/2020) | 0.98 (8/9/2016) | (0.831 - 0.98)/(32 - 15) | -0.00876471 |
| 0.31 (3/18/2021) | 0.98 (8/9/2016) | (0.31 - 0.98)/(33 - 15) | -0.0372222 |
| 6.86 (5/5/2021) | 0.98 (8/9/2016) | (6.86 - 0.98)/(34 - 15) | 0.309474 |
| 0.482 (9/2/2021) | 0.98 (8/9/2016) | (0.482 - 0.98)/(35 - 15) | -0.0249 |
| 0.343 (11/23/2021) | 0.98 (8/9/2016) | (0.343 - 0.98)/(36 - 15) | -0.0303333 |
| 0.769 (1/10/2022) | 0.98 (8/9/2016) | (0.769 - 0.98)/(37 - 15) | -0.00959091 |
| 0.509 (4/7/2022) | 0.98 (8/9/2016) | (0.509 - 0.98)/(38 - 15) | -0.0204783 |
| 0.715 (8/3/2022) | 0.98 (8/9/2016) | (0.715 - 0.98)/(39 - 15) | -0.0110417 |
| 0.366 (11/16/2022) | 0.98 (8/9/2016) | (0.366 - 0.98)/(40 - 15) | -0.02456 |
| 0.699 (2/13/2023) | 0.98 (8/9/2016) | (0.699 - 0.98)/(41 - 15) | -0.0108077 |
| 0.697 (5/24/2023) | 0.98 (8/9/2016) | (0.697 - 0.98)/(42 - 15) | -0.0104815 |
| 0.832 (8/7/2023) | 0.98 (8/9/2016) | (0.832 - 0.98)/(43 - 15) | -0.00528571 |
| 0.696 (12/12/2023) | 0.98 (8/9/2016) | (0.696 - 0.98)/(44 - 15) | -0.0097931 |
| 0.642 (1/10/2024) | 0.98 (8/9/2016) | (0.642 - 0.98)/(45 - 15) | -0.0112667 |
| 0.737 (5/20/2024) | 0.98 (8/9/2016) | (0.737 - 0.98)/(46 - 15) | -0.00783871 |
| 1.68 (9/16/2024) | 0.98 (8/9/2016) | (1.68 - 0.98)/(47 - 15) | 0.021875 |
| 1.07 (12/11/2024) | 0.98 (8/9/2016) | (1.07 - 0.98)/(48 - 15) | 0.00272727 |
| 1.05 (2/18/2025) | 0.98 (8/9/2016) | (1.05 - 0.98)/(49 - 15) | 0.00205882 |
| | | | |
| 1.08 (3/2/2017) | 0.66 (12/7/2016) | (1.08 - 0.66)/(17 - 16) | 0.42 |
| 0.62 (6/21/2017) | 0.66 (12/7/2016) | (0.62 - 0.66)/(18 - 16) | -0.02 |
| 0.89 (8/17/2017) | 0.66 (12/7/2016) | (0.89 - 0.66)/(19 - 16) | 0.0766667 |
| 0.94 (10/26/2017) | 0.66 (12/7/2016) | (0.94 - 0.66)/(20 - 16) | 0.07 |
| 0.849 (3/27/2018) | 0.66 (12/7/2016) | (0.849 - 0.66)/(21 - 16) | 0.0378 |
| 0.849 (6/26/2018) | 0.66 (12/7/2016) | (0.849 - 0.66)/(22 - 16) | 0.0315 |
| 0.51 (8/1/2018) | 0.66 (12/7/2016) | (0.51 - 0.66)/(23 - 16) | -0.0214286 |
| 1.09 (12/11/2018) | 0.66 (12/7/2016) | (1.09 - 0.66)/(24 - 16) | 0.05375 |
| 0.638 (4/17/2019) | 0.66 (12/7/2016) | (0.638 - 0.66)/(25 - 16) | -0.00244444 |
| 0.822 (6/11/2019) | 0.66 (12/7/2016) | (0.822 - 0.66)/(26 - 16) | 0.0162 |
| 0.534 (8/28/2019) | 0.66 (12/7/2016) | (0.534 - 0.66)/(27 - 16) | -0.0114545 |
| 0.665 (10/28/2019) | 0.66 (12/7/2016) | (0.665 - 0.66)/(28 - 16) | 0.000416667 |
| 0.657 (3/31/2020) | 0.66 (12/7/2016) | (0.657 - 0.66)/(29 - 16) | -0.000230769 |
| 0.825 (6/10/2020) | 0.66 (12/7/2016) | (0.825 - 0.66)/(30 - 16) | 0.0117857 |
| 0.825 (6/10/2020) | 0.66 (12/7/2016) | (0.825 - 0.66)/(30 - 16) | 0.0117857 |
| 0.603 (9/21/2020) | 0.66 (12/7/2016) | (0.603 - 0.66)/(31 - 16) | -0.0038 |
| 0.831 (12/17/2020) | 0.66 (12/7/2016) | (0.831 - 0.66)/(32 - 16) | 0.0106875 |
| 0.31 (3/18/2021) | 0.66 (12/7/2016) | (0.31 - 0.66)/(33 - 16) | -0.0205882 |
| 6.86 (5/5/2021) | 0.66 (12/7/2016) | (6.86 - 0.66)/(34 - 16) | 0.344444 |
| 0.482 (9/2/2021) | 0.66 (12/7/2016) | (0.482 - 0.66)/(35 - 16) | -0.00936842 |
| 0.343 (11/23/2021) | 0.66 (12/7/2016) | (0.343 - 0.66)/(36 - 16) | -0.01585 |
| 0.769 (1/10/2022) | 0.66 (12/7/2016) | (0.769 - 0.66)/(37 - 16) | 0.00519048 |
| 0.509 (4/7/2022) | 0.66 (12/7/2016) | (0.509 - 0.66)/(38 - 16) | -0.00686364 |
| 0.715 (8/3/2022) | 0.66 (12/7/2016) | (0.715 - 0.66)/(39 - 16) | 0.0023913 |
| 0.366 (11/16/2022) | 0.66 (12/7/2016) | (0.366 - 0.66)/(40 - 16) | -0.01225 |
| 0.699 (2/13/2023) | 0.66 (12/7/2016) | (0.699 - 0.66)/(41 - 16) | 0.00156 |
| 0.697 (5/24/2023) | 0.66 (12/7/2016) | (0.697 - 0.66)/(42 - 16) | 0.00142308 |
| 0.832 (8/7/2023) | 0.66 (12/7/2016) | (0.832 - 0.66)/(43 - 16) | 0.00637037 |
| 0.696 (12/12/2023) | 0.66 (12/7/2016) | (0.696 - 0.66)/(44 - 16) | 0.00128571 |
| 0.642 (1/10/2024) | 0.66 (12/7/2016) | (0.642 - 0.66)/(45 - 16) | -0.00062069 |

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|---|---|---|---|
| 0.737 (5/20/2024) | 0.66 (12/7/2016) | (0.737 - 0.66)/(46 - 16) | 0.00256667 |
| 1.68 (9/16/2024) | 0.66 (12/7/2016) | (1.68 - 0.66)/(47 - 16) | 0.0329032 |
| 1.07 (12/11/2024) | 0.66 (12/7/2016) | (1.07 - 0.66)/(48 - 16) | 0.0128125 |
| 1.05 (2/18/2025) | 0.66 (12/7/2016) | (1.05 - 0.66)/(49 - 16) | 0.0118182 |
| | | | |
| 0.62 (6/21/2017) | 1.08 (3/2/2017) | (0.62 - 1.08)/(18 - 17) | -0.46 |
| 0.89 (8/17/2017) | 1.08 (3/2/2017) | (0.89 - 1.08)/(19 - 17) | -0.095 |
| 0.94 (10/26/2017) | 1.08 (3/2/2017) | (0.94 - 1.08)/(20 - 17) | -0.0466667 |
| 0.849 (3/27/2018) | 1.08 (3/2/2017) | (0.849 - 1.08)/(21 - 17) | -0.05775 |
| 0.849 (6/26/2018) | 1.08 (3/2/2017) | (0.849 - 1.08)/(22 - 17) | -0.0462 |
| 0.51 (8/1/2018) | 1.08 (3/2/2017) | (0.51 - 1.08)/(23 - 17) | -0.095 |
| 1.09 (12/11/2018) | 1.08 (3/2/2017) | (1.09 - 1.08)/(24 - 17) | 0.00142857 |
| 0.638 (4/17/2019) | 1.08 (3/2/2017) | (0.638 - 1.08)/(25 - 17) | -0.05525 |
| 0.822 (6/11/2019) | 1.08 (3/2/2017) | (0.822 - 1.08)/(26 - 17) | -0.0286667 |
| 0.534 (8/28/2019) | 1.08 (3/2/2017) | (0.534 - 1.08)/(27 - 17) | -0.0546 |
| 0.665 (10/28/2019) | 1.08 (3/2/2017) | (0.665 - 1.08)/(28 - 17) | -0.0377273 |
| 0.657 (3/31/2020) | 1.08 (3/2/2017) | (0.657 - 1.08)/(29 - 17) | -0.03525 |
| 0.825 (6/10/2020) | 1.08 (3/2/2017) | (0.825 - 1.08)/(30 - 17) | -0.0196154 |
| 0.825 (6/10/2020) | 1.08 (3/2/2017) | (0.825 - 1.08)/(30 - 17) | -0.0196154 |
| 0.603 (9/21/2020) | 1.08 (3/2/2017) | (0.603 - 1.08)/(31 - 17) | -0.0340714 |
| 0.831 (12/17/2020) | 1.08 (3/2/2017) | (0.831 - 1.08)/(32 - 17) | -0.0166 |
| 0.31 (3/18/2021) | 1.08 (3/2/2017) | (0.31 - 1.08)/(33 - 17) | -0.048125 |
| 6.86 (5/5/2021) | 1.08 (3/2/2017) | (6.86 - 1.08)/(34 - 17) | 0.34 |
| 0.482 (9/2/2021) | 1.08 (3/2/2017) | (0.482 - 1.08)/(35 - 17) | -0.0332222 |
| 0.343 (11/23/2021) | 1.08 (3/2/2017) | (0.343 - 1.08)/(36 - 17) | -0.0387895 |
| 0.769 (1/10/2022) | 1.08 (3/2/2017) | (0.769 - 1.08)/(37 - 17) | -0.01555 |
| 0.509 (4/7/2022) | 1.08 (3/2/2017) | (0.509 - 1.08)/(38 - 17) | -0.0271905 |
| 0.715 (8/3/2022) | 1.08 (3/2/2017) | (0.715 - 1.08)/(39 - 17) | -0.0165909 |
| 0.366 (11/16/2022) | 1.08 (3/2/2017) | (0.366 - 1.08)/(40 - 17) | -0.0310435 |
| 0.699 (2/13/2023) | 1.08 (3/2/2017) | (0.699 - 1.08)/(41 - 17) | -0.015875 |
| 0.697 (5/24/2023) | 1.08 (3/2/2017) | (0.697 - 1.08)/(42 - 17) | -0.01532 |
| 0.832 (8/7/2023) | 1.08 (3/2/2017) | (0.832 - 1.08)/(43 - 17) | -0.00953846 |
| 0.696 (12/12/2023) | 1.08 (3/2/2017) | (0.696 - 1.08)/(44 - 17) | -0.0142222 |
| 0.642 (1/10/2024) | 1.08 (3/2/2017) | (0.642 - 1.08)/(45 - 17) | -0.0156429 |
| 0.737 (5/20/2024) | 1.08 (3/2/2017) | (0.737 - 1.08)/(46 - 17) | -0.0118276 |
| 1.68 (9/16/2024) | 1.08 (3/2/2017) | (1.68 - 1.08)/(47 - 17) | 0.02 |
| 1.07 (12/11/2024) | 1.08 (3/2/2017) | (1.07 - 1.08)/(48 - 17) | -0.000322581 |
| 1.05 (2/18/2025) | 1.08 (3/2/2017) | (1.05 - 1.08)/(49 - 17) | -0.0009375 |
| | | | |
| 0.89 (8/17/2017) | 0.62 (6/21/2017) | (0.89 - 0.62)/(19 - 18) | 0.27 |
| 0.94 (10/26/2017) | 0.62 (6/21/2017) | (0.94 - 0.62)/(20 - 18) | 0.16 |
| 0.849 (3/27/2018) | 0.62 (6/21/2017) | (0.849 - 0.62)/(21 - 18) | 0.0763333 |
| 0.849 (6/26/2018) | 0.62 (6/21/2017) | (0.849 - 0.62)/(22 - 18) | 0.05725 |
| 0.51 (8/1/2018) | 0.62 (6/21/2017) | (0.51 - 0.62)/(23 - 18) | -0.022 |
| 1.09 (12/11/2018) | 0.62 (6/21/2017) | (1.09 - 0.62)/(24 - 18) | 0.0783333 |
| 0.638 (4/17/2019) | 0.62 (6/21/2017) | (0.638 - 0.62)/(25 - 18) | 0.00257143 |
| 0.822 (6/11/2019) | 0.62 (6/21/2017) | (0.822 - 0.62)/(26 - 18) | 0.02525 |
| 0.534 (8/28/2019) | 0.62 (6/21/2017) | (0.534 - 0.62)/(27 - 18) | -0.00955556 |
| 0.665 (10/28/2019) | 0.62 (6/21/2017) | (0.665 - 0.62)/(28 - 18) | 0.0045 |
| 0.657 (3/31/2020) | 0.62 (6/21/2017) | (0.657 - 0.62)/(29 - 18) | 0.00336364 |
| 0.825 (6/10/2020) | 0.62 (6/21/2017) | (0.825 - 0.62)/(30 - 18) | 0.0170833 |
| 0.825 (6/10/2020) | 0.62 (6/21/2017) | (0.825 - 0.62)/(30 - 18) | 0.0170833 |
| 0.603 (9/21/2020) | 0.62 (6/21/2017) | (0.603 - 0.62)/(31 - 18) | -0.00130769 |
| 0.831 (12/17/2020) | 0.62 (6/21/2017) | (0.831 - 0.62)/(32 - 18) | 0.0150714 |
| 0.31 (3/18/2021) | 0.62 (6/21/2017) | (0.31 - 0.62)/(33 - 18) | -0.0206667 |
| 6.86 (5/5/2021) | 0.62 (6/21/2017) | (6.86 - 0.62)/(34 - 18) | 0.39 |
| 0.482 (9/2/2021) | 0.62 (6/21/2017) | (0.482 - 0.62)/(35 - 18) | -0.00811765 |

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|---|---|---|---|
| 0.343 (11/23/2021) | 0.62 (6/21/2017) | (0.343 - 0.62)/(36 - 18) | -0.0153889 |
| 0.769 (1/10/2022) | 0.62 (6/21/2017) | (0.769 - 0.62)/(37 - 18) | 0.00784211 |
| 0.509 (4/7/2022) | 0.62 (6/21/2017) | (0.509 - 0.62)/(38 - 18) | -0.00555 |
| 0.715 (8/3/2022) | 0.62 (6/21/2017) | (0.715 - 0.62)/(39 - 18) | 0.00452381 |
| 0.366 (11/16/2022) | 0.62 (6/21/2017) | (0.366 - 0.62)/(40 - 18) | -0.0115455 |
| 0.699 (2/13/2023) | 0.62 (6/21/2017) | (0.699 - 0.62)/(41 - 18) | 0.00343478 |
| 0.697 (5/24/2023) | 0.62 (6/21/2017) | (0.697 - 0.62)/(42 - 18) | 0.00320833 |
| 0.832 (8/7/2023) | 0.62 (6/21/2017) | (0.832 - 0.62)/(43 - 18) | 0.00848 |
| 0.696 (12/12/2023) | 0.62 (6/21/2017) | (0.696 - 0.62)/(44 - 18) | 0.00292308 |
| 0.642 (1/10/2024) | 0.62 (6/21/2017) | (0.642 - 0.62)/(45 - 18) | 0.000814815 |
| 0.737 (5/20/2024) | 0.62 (6/21/2017) | (0.737 - 0.62)/(46 - 18) | 0.00417857 |
| 1.68 (9/16/2024) | 0.62 (6/21/2017) | (1.68 - 0.62)/(47 - 18) | 0.0365517 |
| 1.07 (12/11/2024) | 0.62 (6/21/2017) | (1.07 - 0.62)/(48 - 18) | 0.015 |
| 1.05 (2/18/2025) | 0.62 (6/21/2017) | (1.05 - 0.62)/(49 - 18) | 0.013871 |
| | | | |
| 0.94 (10/26/2017) | 0.89 (8/17/2017) | (0.94 - 0.89)/(20 - 19) | 0.05 |
| 0.849 (3/27/2018) | 0.89 (8/17/2017) | (0.849 - 0.89)/(21 - 19) | -0.0205 |
| 0.849 (6/26/2018) | 0.89 (8/17/2017) | (0.849 - 0.89)/(22 - 19) | -0.0136667 |
| 0.51 (8/1/2018) | 0.89 (8/17/2017) | (0.51 - 0.89)/(23 - 19) | -0.095 |
| 1.09 (12/11/2018) | 0.89 (8/17/2017) | (1.09 - 0.89)/(24 - 19) | 0.04 |
| 0.638 (4/17/2019) | 0.89 (8/17/2017) | (0.638 - 0.89)/(25 - 19) | -0.042 |
| 0.822 (6/11/2019) | 0.89 (8/17/2017) | (0.822 - 0.89)/(26 - 19) | -0.00971429 |
| 0.534 (8/28/2019) | 0.89 (8/17/2017) | (0.534 - 0.89)/(27 - 19) | -0.0445 |
| 0.665 (10/28/2019) | 0.89 (8/17/2017) | (0.665 - 0.89)/(28 - 19) | -0.025 |
| 0.657 (3/31/2020) | 0.89 (8/17/2017) | (0.657 - 0.89)/(29 - 19) | -0.0233 |
| 0.825 (6/10/2020) | 0.89 (8/17/2017) | (0.825 - 0.89)/(30 - 19) | -0.00590909 |
| 0.825 (6/10/2020) | 0.89 (8/17/2017) | (0.825 - 0.89)/(30 - 19) | -0.00590909 |
| 0.603 (9/21/2020) | 0.89 (8/17/2017) | (0.603 - 0.89)/(31 - 19) | -0.0239167 |
| 0.831 (12/17/2020) | 0.89 (8/17/2017) | (0.831 - 0.89)/(32 - 19) | -0.00453846 |
| 0.31 (3/18/2021) | 0.89 (8/17/2017) | (0.31 - 0.89)/(33 - 19) | -0.0414286 |
| 6.86 (5/5/2021) | 0.89 (8/17/2017) | (6.86 - 0.89)/(34 - 19) | 0.398 |
| 0.482 (9/2/2021) | 0.89 (8/17/2017) | (0.482 - 0.89)/(35 - 19) | -0.0255 |
| 0.343 (11/23/2021) | 0.89 (8/17/2017) | (0.343 - 0.89)/(36 - 19) | -0.0321765 |
| 0.769 (1/10/2022) | 0.89 (8/17/2017) | (0.769 - 0.89)/(37 - 19) | -0.00672222 |
| 0.509 (4/7/2022) | 0.89 (8/17/2017) | (0.509 - 0.89)/(38 - 19) | -0.0200526 |
| 0.715 (8/3/2022) | 0.89 (8/17/2017) | (0.715 - 0.89)/(39 - 19) | -0.00875 |
| 0.366 (11/16/2022) | 0.89 (8/17/2017) | (0.366 - 0.89)/(40 - 19) | -0.0249524 |
| 0.699 (2/13/2023) | 0.89 (8/17/2017) | (0.699 - 0.89)/(41 - 19) | -0.00868182 |
| 0.697 (5/24/2023) | 0.89 (8/17/2017) | (0.697 - 0.89)/(42 - 19) | -0.0083913 |
| 0.832 (8/7/2023) | 0.89 (8/17/2017) | (0.832 - 0.89)/(43 - 19) | -0.00241667 |
| 0.696 (12/12/2023) | 0.89 (8/17/2017) | (0.696 - 0.89)/(44 - 19) | -0.00776 |
| 0.642 (1/10/2024) | 0.89 (8/17/2017) | (0.642 - 0.89)/(45 - 19) | -0.00953846 |
| 0.737 (5/20/2024) | 0.89 (8/17/2017) | (0.737 - 0.89)/(46 - 19) | -0.00566667 |
| 1.68 (9/16/2024) | 0.89 (8/17/2017) | (1.68 - 0.89)/(47 - 19) | 0.0282143 |
| 1.07 (12/11/2024) | 0.89 (8/17/2017) | (1.07 - 0.89)/(48 - 19) | 0.0062069 |
| 1.05 (2/18/2025) | 0.89 (8/17/2017) | (1.05 - 0.89)/(49 - 19) | 0.00533333 |
| | | | |
| 0.849 (3/27/2018) | 0.94 (10/26/2017) | (0.849 - 0.94)/(21 - 20) | -0.091 |
| 0.849 (6/26/2018) | 0.94 (10/26/2017) | (0.849 - 0.94)/(22 - 20) | -0.0455 |
| 0.51 (8/1/2018) | 0.94 (10/26/2017) | (0.51 - 0.94)/(23 - 20) | -0.143333 |
| 1.09 (12/11/2018) | 0.94 (10/26/2017) | (1.09 - 0.94)/(24 - 20) | 0.0375 |
| 0.638 (4/17/2019) | 0.94 (10/26/2017) | (0.638 - 0.94)/(25 - 20) | -0.0604 |
| 0.822 (6/11/2019) | 0.94 (10/26/2017) | (0.822 - 0.94)/(26 - 20) | -0.0196667 |
| 0.534 (8/28/2019) | 0.94 (10/26/2017) | (0.534 - 0.94)/(27 - 20) | -0.058 |
| 0.665 (10/28/2019) | 0.94 (10/26/2017) | (0.665 - 0.94)/(28 - 20) | -0.034375 |
| 0.657 (3/31/2020) | 0.94 (10/26/2017) | (0.657 - 0.94)/(29 - 20) | -0.0314444 |
| 0.825 (6/10/2020) | 0.94 (10/26/2017) | (0.825 - 0.94)/(30 - 20) | -0.0115 |

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| 0.825 (6/10/2020) | 0.94 (10/26/2017) | (0.825 - 0.94)/(30 - 20) | -0.0115 |
| 0.603 (9/21/2020) | 0.94 (10/26/2017) | (0.603 - 0.94)/(31 - 20) | -0.0306364 |
| 0.831 (12/17/2020) | 0.94 (10/26/2017) | (0.831 - 0.94)/(32 - 20) | -0.00908333 |
| 0.31 (3/18/2021) | 0.94 (10/26/2017) | (0.31 - 0.94)/(33 - 20) | -0.0484615 |
| 6.86 (5/5/2021) | 0.94 (10/26/2017) | (6.86 - 0.94)/(34 - 20) | 0.422857 |
| 0.482 (9/2/2021) | 0.94 (10/26/2017) | (0.482 - 0.94)/(35 - 20) | -0.0305333 |
| 0.343 (11/23/2021) | 0.94 (10/26/2017) | (0.343 - 0.94)/(36 - 20) | -0.0373125 |
| 0.769 (1/10/2022) | 0.94 (10/26/2017) | (0.769 - 0.94)/(37 - 20) | -0.0100588 |
| 0.509 (4/7/2022) | 0.94 (10/26/2017) | (0.509 - 0.94)/(38 - 20) | -0.0239444 |
| 0.715 (8/3/2022) | 0.94 (10/26/2017) | (0.715 - 0.94)/(39 - 20) | -0.0118421 |
| 0.366 (11/16/2022) | 0.94 (10/26/2017) | (0.366 - 0.94)/(40 - 20) | -0.0287 |
| 0.699 (2/13/2023) | 0.94 (10/26/2017) | (0.699 - 0.94)/(41 - 20) | -0.0114762 |
| 0.697 (5/24/2023) | 0.94 (10/26/2017) | (0.697 - 0.94)/(42 - 20) | -0.0110455 |
| 0.832 (8/7/2023) | 0.94 (10/26/2017) | (0.832 - 0.94)/(43 - 20) | -0.00469565 |
| 0.696 (12/12/2023) | 0.94 (10/26/2017) | (0.696 - 0.94)/(44 - 20) | -0.0101667 |
| 0.642 (1/10/2024) | 0.94 (10/26/2017) | (0.642 - 0.94)/(45 - 20) | -0.01192 |
| 0.737 (5/20/2024) | 0.94 (10/26/2017) | (0.737 - 0.94)/(46 - 20) | -0.00780769 |
| 1.68 (9/16/2024) | 0.94 (10/26/2017) | (1.68 - 0.94)/(47 - 20) | 0.0274074 |
| 1.07 (12/11/2024) | 0.94 (10/26/2017) | (1.07 - 0.94)/(48 - 20) | 0.00464286 |
| 1.05 (2/18/2025) | 0.94 (10/26/2017) | (1.05 - 0.94)/(49 - 20) | 0.0037931 |
| | | | |
| 0.849 (6/26/2018) | 0.849 (3/27/2018) | (0.849 - 0.849)/(22 - 21) | 0 |
| 0.51 (8/1/2018) | 0.849 (3/27/2018) | (0.51 - 0.849)/(23 - 21) | -0.1695 |
| 1.09 (12/11/2018) | 0.849 (3/27/2018) | (1.09 - 0.849)/(24 - 21) | 0.0803333 |
| 0.638 (4/17/2019) | 0.849 (3/27/2018) | (0.638 - 0.849)/(25 - 21) | -0.05275 |
| 0.822 (6/11/2019) | 0.849 (3/27/2018) | (0.822 - 0.849)/(26 - 21) | -0.0054 |
| 0.534 (8/28/2019) | 0.849 (3/27/2018) | (0.534 - 0.849)/(27 - 21) | -0.0525 |
| 0.665 (10/28/2019) | 0.849 (3/27/2018) | (0.665 - 0.849)/(28 - 21) | -0.0262857 |
| 0.657 (3/31/2020) | 0.849 (3/27/2018) | (0.657 - 0.849)/(29 - 21) | -0.024 |
| 0.825 (6/10/2020) | 0.849 (3/27/2018) | (0.825 - 0.849)/(30 - 21) | -0.00266667 |
| 0.825 (6/10/2020) | 0.849 (3/27/2018) | (0.825 - 0.849)/(30 - 21) | -0.00266667 |
| 0.603 (9/21/2020) | 0.849 (3/27/2018) | (0.603 - 0.849)/(31 - 21) | -0.0246 |
| 0.831 (12/17/2020) | 0.849 (3/27/2018) | (0.831 - 0.849)/(32 - 21) | -0.00163636 |
| 0.31 (3/18/2021) | 0.849 (3/27/2018) | (0.31 - 0.849)/(33 - 21) | -0.0449167 |
| 6.86 (5/5/2021) | 0.849 (3/27/2018) | (6.86 - 0.849)/(34 - 21) | 0.462385 |
| 0.482 (9/2/2021) | 0.849 (3/27/2018) | (0.482 - 0.849)/(35 - 21) | -0.0262143 |
| 0.343 (11/23/2021) | 0.849 (3/27/2018) | (0.343 - 0.849)/(36 - 21) | -0.0337333 |
| 0.769 (1/10/2022) | 0.849 (3/27/2018) | (0.769 - 0.849)/(37 - 21) | -0.005 |
| 0.509 (4/7/2022) | 0.849 (3/27/2018) | (0.509 - 0.849)/(38 - 21) | -0.02 |
| 0.715 (8/3/2022) | 0.849 (3/27/2018) | (0.715 - 0.849)/(39 - 21) | -0.00744444 |
| 0.366 (11/16/2022) | 0.849 (3/27/2018) | (0.366 - 0.849)/(40 - 21) | -0.0254211 |
| 0.699 (2/13/2023) | 0.849 (3/27/2018) | (0.699 - 0.849)/(41 - 21) | -0.0075 |
| 0.697 (5/24/2023) | 0.849 (3/27/2018) | (0.697 - 0.849)/(42 - 21) | -0.0072381 |
| 0.832 (8/7/2023) | 0.849 (3/27/2018) | (0.832 - 0.849)/(43 - 21) | -0.000772727 |
| 0.696 (12/12/2023) | 0.849 (3/27/2018) | (0.696 - 0.849)/(44 - 21) | -0.00665217 |
| 0.642 (1/10/2024) | 0.849 (3/27/2018) | (0.642 - 0.849)/(45 - 21) | -0.008625 |
| 0.737 (5/20/2024) | 0.849 (3/27/2018) | (0.737 - 0.849)/(46 - 21) | -0.00448 |
| 1.68 (9/16/2024) | 0.849 (3/27/2018) | (1.68 - 0.849)/(47 - 21) | 0.0319615 |
| 1.07 (12/11/2024) | 0.849 (3/27/2018) | (1.07 - 0.849)/(48 - 21) | 0.00818519 |
| 1.05 (2/18/2025) | 0.849 (3/27/2018) | (1.05 - 0.849)/(49 - 21) | 0.00717857 |
| | | | |
| 0.51 (8/1/2018) | 0.849 (6/26/2018) | (0.51 - 0.849)/(23 - 22) | -0.339 |
| 1.09 (12/11/2018) | 0.849 (6/26/2018) | (1.09 - 0.849)/(24 - 22) | 0.1205 |
| 0.638 (4/17/2019) | 0.849 (6/26/2018) | (0.638 - 0.849)/(25 - 22) | -0.0703333 |
| 0.822 (6/11/2019) | 0.849 (6/26/2018) | (0.822 - 0.849)/(26 - 22) | -0.00675 |
| 0.534 (8/28/2019) | 0.849 (6/26/2018) | (0.534 - 0.849)/(27 - 22) | -0.063 |
| 0.665 (10/28/2019) | 0.849 (6/26/2018) | (0.665 - 0.849)/(28 - 22) | -0.0306667 |

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|---|---|---|---|
| 0.657 (3/31/2020) | 0.849 (6/26/2018) | (0.657 - 0.849)/(29 - 22) | -0.0274286 |
| 0.825 (6/10/2020) | 0.849 (6/26/2018) | (0.825 - 0.849)/(30 - 22) | -0.003 |
| 0.825 (6/10/2020) | 0.849 (6/26/2018) | (0.825 - 0.849)/(30 - 22) | -0.003 |
| 0.603 (9/21/2020) | 0.849 (6/26/2018) | (0.603 - 0.849)/(31 - 22) | -0.0273333 |
| 0.831 (12/17/2020) | 0.849 (6/26/2018) | (0.831 - 0.849)/(32 - 22) | -0.0018 |
| 0.31 (3/18/2021) | 0.849 (6/26/2018) | (0.31 - 0.849)/(33 - 22) | -0.049 |
| 6.86 (5/5/2021) | 0.849 (6/26/2018) | (6.86 - 0.849)/(34 - 22) | 0.500917 |
| 0.482 (9/2/2021) | 0.849 (6/26/2018) | (0.482 - 0.849)/(35 - 22) | -0.0282308 |
| 0.343 (11/23/2021) | 0.849 (6/26/2018) | (0.343 - 0.849)/(36 - 22) | -0.0361429 |
| 0.769 (1/10/2022) | 0.849 (6/26/2018) | (0.769 - 0.849)/(37 - 22) | -0.00533333 |
| 0.509 (4/7/2022) | 0.849 (6/26/2018) | (0.509 - 0.849)/(38 - 22) | -0.02125 |
| 0.715 (8/3/2022) | 0.849 (6/26/2018) | (0.715 - 0.849)/(39 - 22) | -0.00788235 |
| 0.366 (11/16/2022) | 0.849 (6/26/2018) | (0.366 - 0.849)/(40 - 22) | -0.0268333 |
| 0.699 (2/13/2023) | 0.849 (6/26/2018) | (0.699 - 0.849)/(41 - 22) | -0.00789474 |
| 0.697 (5/24/2023) | 0.849 (6/26/2018) | (0.697 - 0.849)/(42 - 22) | -0.0076 |
| 0.832 (8/7/2023) | 0.849 (6/26/2018) | (0.832 - 0.849)/(43 - 22) | -0.000809524 |
| 0.696 (12/12/2023) | 0.849 (6/26/2018) | (0.696 - 0.849)/(44 - 22) | -0.00695455 |
| 0.642 (1/10/2024) | 0.849 (6/26/2018) | (0.642 - 0.849)/(45 - 22) | -0.009 |
| 0.737 (5/20/2024) | 0.849 (6/26/2018) | (0.737 - 0.849)/(46 - 22) | -0.00466667 |
| 1.68 (9/16/2024) | 0.849 (6/26/2018) | (1.68 - 0.849)/(47 - 22) | 0.03324 |
| 1.07 (12/11/2024) | 0.849 (6/26/2018) | (1.07 - 0.849)/(48 - 22) | 0.0085 |
| 1.05 (2/18/2025) | 0.849 (6/26/2018) | (1.05 - 0.849)/(49 - 22) | 0.00744444 |
| | | | |
| 1.09 (12/11/2018) | 0.51 (8/1/2018) | (1.09 - 0.51)/(24 - 23) | 0.58 |
| 0.638 (4/17/2019) | 0.51 (8/1/2018) | (0.638 - 0.51)/(25 - 23) | 0.064 |
| 0.822 (6/11/2019) | 0.51 (8/1/2018) | (0.822 - 0.51)/(26 - 23) | 0.104 |
| 0.534 (8/28/2019) | 0.51 (8/1/2018) | (0.534 - 0.51)/(27 - 23) | 0.006 |
| 0.665 (10/28/2019) | 0.51 (8/1/2018) | (0.665 - 0.51)/(28 - 23) | 0.031 |
| 0.657 (3/31/2020) | 0.51 (8/1/2018) | (0.657 - 0.51)/(29 - 23) | 0.0245 |
| 0.825 (6/10/2020) | 0.51 (8/1/2018) | (0.825 - 0.51)/(30 - 23) | 0.045 |
| 0.825 (6/10/2020) | 0.51 (8/1/2018) | (0.825 - 0.51)/(30 - 23) | 0.045 |
| 0.603 (9/21/2020) | 0.51 (8/1/2018) | (0.603 - 0.51)/(31 - 23) | 0.011625 |
| 0.831 (12/17/2020) | 0.51 (8/1/2018) | (0.831 - 0.51)/(32 - 23) | 0.0356667 |
| 0.31 (3/18/2021) | 0.51 (8/1/2018) | (0.31 - 0.51)/(33 - 23) | -0.02 |
| 6.86 (5/5/2021) | 0.51 (8/1/2018) | (6.86 - 0.51)/(34 - 23) | 0.577273 |
| 0.482 (9/2/2021) | 0.51 (8/1/2018) | (0.482 - 0.51)/(35 - 23) | -0.00233333 |
| 0.343 (11/23/2021) | 0.51 (8/1/2018) | (0.343 - 0.51)/(36 - 23) | -0.0128462 |
| 0.769 (1/10/2022) | 0.51 (8/1/2018) | (0.769 - 0.51)/(37 - 23) | 0.0185 |
| 0.509 (4/7/2022) | 0.51 (8/1/2018) | (0.509 - 0.51)/(38 - 23) | -6.66667e-05 |
| 0.715 (8/3/2022) | 0.51 (8/1/2018) | (0.715 - 0.51)/(39 - 23) | 0.0128125 |
| 0.366 (11/16/2022) | 0.51 (8/1/2018) | (0.366 - 0.51)/(40 - 23) | -0.00847059 |
| 0.699 (2/13/2023) | 0.51 (8/1/2018) | (0.699 - 0.51)/(41 - 23) | 0.0105 |
| 0.697 (5/24/2023) | 0.51 (8/1/2018) | (0.697 - 0.51)/(42 - 23) | 0.00984211 |
| 0.832 (8/7/2023) | 0.51 (8/1/2018) | (0.832 - 0.51)/(43 - 23) | 0.0161 |
| 0.696 (12/12/2023) | 0.51 (8/1/2018) | (0.696 - 0.51)/(44 - 23) | 0.00885714 |
| 0.642 (1/10/2024) | 0.51 (8/1/2018) | (0.642 - 0.51)/(45 - 23) | 0.006 |
| 0.737 (5/20/2024) | 0.51 (8/1/2018) | (0.737 - 0.51)/(46 - 23) | 0.00986957 |
| 1.68 (9/16/2024) | 0.51 (8/1/2018) | (1.68 - 0.51)/(47 - 23) | 0.04875 |
| 1.07 (12/11/2024) | 0.51 (8/1/2018) | (1.07 - 0.51)/(48 - 23) | 0.0224 |
| 1.05 (2/18/2025) | 0.51 (8/1/2018) | (1.05 - 0.51)/(49 - 23) | 0.0207692 |
| | | | |
| 0.638 (4/17/2019) | 1.09 (12/11/2018) | (0.638 - 1.09)/(25 - 24) | -0.452 |
| 0.822 (6/11/2019) | 1.09 (12/11/2018) | (0.822 - 1.09)/(26 - 24) | -0.134 |
| 0.534 (8/28/2019) | 1.09 (12/11/2018) | (0.534 - 1.09)/(27 - 24) | -0.185333 |
| 0.665 (10/28/2019) | 1.09 (12/11/2018) | (0.665 - 1.09)/(28 - 24) | -0.10625 |
| 0.657 (3/31/2020) | 1.09 (12/11/2018) | (0.657 - 1.09)/(29 - 24) | -0.0866 |
| 0.825 (6/10/2020) | 1.09 (12/11/2018) | (0.825 - 1.09)/(30 - 24) | -0.0441667 |

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|---|---|---|---|
| 0.825 (6/10/2020) | 1.09 (12/11/2018) | (0.825 - 1.09)/(30 - 24) | -0.0441667 |
| 0.603 (9/21/2020) | 1.09 (12/11/2018) | (0.603 - 1.09)/(31 - 24) | -0.0695714 |
| 0.831 (12/17/2020) | 1.09 (12/11/2018) | (0.831 - 1.09)/(32 - 24) | -0.032375 |
| 0.31 (3/18/2021) | 1.09 (12/11/2018) | (0.31 - 1.09)/(33 - 24) | -0.0866667 |
| 6.86 (5/5/2021) | 1.09 (12/11/2018) | (6.86 - 1.09)/(34 - 24) | 0.577 |
| 0.482 (9/2/2021) | 1.09 (12/11/2018) | (0.482 - 1.09)/(35 - 24) | -0.0552727 |
| 0.343 (11/23/2021) | 1.09 (12/11/2018) | (0.343 - 1.09)/(36 - 24) | -0.06225 |
| 0.769 (1/10/2022) | 1.09 (12/11/2018) | (0.769 - 1.09)/(37 - 24) | -0.0246923 |
| 0.509 (4/7/2022) | 1.09 (12/11/2018) | (0.509 - 1.09)/(38 - 24) | -0.0415 |
| 0.715 (8/3/2022) | 1.09 (12/11/2018) | (0.715 - 1.09)/(39 - 24) | -0.025 |
| 0.366 (11/16/2022) | 1.09 (12/11/2018) | (0.366 - 1.09)/(40 - 24) | -0.04525 |
| 0.699 (2/13/2023) | 1.09 (12/11/2018) | (0.699 - 1.09)/(41 - 24) | -0.023 |
| 0.697 (5/24/2023) | 1.09 (12/11/2018) | (0.697 - 1.09)/(42 - 24) | -0.0218333 |
| 0.832 (8/7/2023) | 1.09 (12/11/2018) | (0.832 - 1.09)/(43 - 24) | -0.0135789 |
| 0.696 (12/12/2023) | 1.09 (12/11/2018) | (0.696 - 1.09)/(44 - 24) | -0.0197 |
| 0.642 (1/10/2024) | 1.09 (12/11/2018) | (0.642 - 1.09)/(45 - 24) | -0.0213333 |
| 0.737 (5/20/2024) | 1.09 (12/11/2018) | (0.737 - 1.09)/(46 - 24) | -0.0160455 |
| 1.68 (9/16/2024) | 1.09 (12/11/2018) | (1.68 - 1.09)/(47 - 24) | 0.0256522 |
| 1.07 (12/11/2024) | 1.09 (12/11/2018) | (1.07 - 1.09)/(48 - 24) | -0.000833333 |
| 1.05 (2/18/2025) | 1.09 (12/11/2018) | (1.05 - 1.09)/(49 - 24) | -0.0016 |
| | | | |
| 0.822 (6/11/2019) | 0.638 (4/17/2019) | (0.822 - 0.638)/(26 - 25) | 0.184 |
| 0.534 (8/28/2019) | 0.638 (4/17/2019) | (0.534 - 0.638)/(27 - 25) | -0.052 |
| 0.665 (10/28/2019) | 0.638 (4/17/2019) | (0.665 - 0.638)/(28 - 25) | 0.009 |
| 0.657 (3/31/2020) | 0.638 (4/17/2019) | (0.657 - 0.638)/(29 - 25) | 0.00475 |
| 0.825 (6/10/2020) | 0.638 (4/17/2019) | (0.825 - 0.638)/(30 - 25) | 0.0374 |
| 0.825 (6/10/2020) | 0.638 (4/17/2019) | (0.825 - 0.638)/(30 - 25) | 0.0374 |
| 0.603 (9/21/2020) | 0.638 (4/17/2019) | (0.603 - 0.638)/(31 - 25) | -0.00583333 |
| 0.831 (12/17/2020) | 0.638 (4/17/2019) | (0.831 - 0.638)/(32 - 25) | 0.0275714 |
| 0.31 (3/18/2021) | 0.638 (4/17/2019) | (0.31 - 0.638)/(33 - 25) | -0.041 |
| 6.86 (5/5/2021) | 0.638 (4/17/2019) | (6.86 - 0.638)/(34 - 25) | 0.691333 |
| 0.482 (9/2/2021) | 0.638 (4/17/2019) | (0.482 - 0.638)/(35 - 25) | -0.0156 |
| 0.343 (11/23/2021) | 0.638 (4/17/2019) | (0.343 - 0.638)/(36 - 25) | -0.0268182 |
| 0.769 (1/10/2022) | 0.638 (4/17/2019) | (0.769 - 0.638)/(37 - 25) | 0.0109167 |
| 0.509 (4/7/2022) | 0.638 (4/17/2019) | (0.509 - 0.638)/(38 - 25) | -0.00992308 |
| 0.715 (8/3/2022) | 0.638 (4/17/2019) | (0.715 - 0.638)/(39 - 25) | 0.0055 |
| 0.366 (11/16/2022) | 0.638 (4/17/2019) | (0.366 - 0.638)/(40 - 25) | -0.0181333 |
| 0.699 (2/13/2023) | 0.638 (4/17/2019) | (0.699 - 0.638)/(41 - 25) | 0.0038125 |
| 0.697 (5/24/2023) | 0.638 (4/17/2019) | (0.697 - 0.638)/(42 - 25) | 0.00347059 |
| 0.832 (8/7/2023) | 0.638 (4/17/2019) | (0.832 - 0.638)/(43 - 25) | 0.0107778 |
| 0.696 (12/12/2023) | 0.638 (4/17/2019) | (0.696 - 0.638)/(44 - 25) | 0.00305263 |
| 0.642 (1/10/2024) | 0.638 (4/17/2019) | (0.642 - 0.638)/(45 - 25) | 0.0002 |
| 0.737 (5/20/2024) | 0.638 (4/17/2019) | (0.737 - 0.638)/(46 - 25) | 0.00471429 |
| 1.68 (9/16/2024) | 0.638 (4/17/2019) | (1.68 - 0.638)/(47 - 25) | 0.0473636 |
| 1.07 (12/11/2024) | 0.638 (4/17/2019) | (1.07 - 0.638)/(48 - 25) | 0.0187826 |
| 1.05 (2/18/2025) | 0.638 (4/17/2019) | (1.05 - 0.638)/(49 - 25) | 0.0171667 |
| | | | |
| 0.534 (8/28/2019) | 0.822 (6/11/2019) | (0.534 - 0.822)/(27 - 26) | -0.288 |
| 0.665 (10/28/2019) | 0.822 (6/11/2019) | (0.665 - 0.822)/(28 - 26) | -0.0785 |
| 0.657 (3/31/2020) | 0.822 (6/11/2019) | (0.657 - 0.822)/(29 - 26) | -0.055 |
| 0.825 (6/10/2020) | 0.822 (6/11/2019) | (0.825 - 0.822)/(30 - 26) | 0.00075 |
| 0.825 (6/10/2020) | 0.822 (6/11/2019) | (0.825 - 0.822)/(30 - 26) | 0.00075 |
| 0.603 (9/21/2020) | 0.822 (6/11/2019) | (0.603 - 0.822)/(31 - 26) | -0.0438 |
| 0.831 (12/17/2020) | 0.822 (6/11/2019) | (0.831 - 0.822)/(32 - 26) | 0.0015 |
| 0.31 (3/18/2021) | 0.822 (6/11/2019) | (0.31 - 0.822)/(33 - 26) | -0.0731429 |
| 6.86 (5/5/2021) | 0.822 (6/11/2019) | (6.86 - 0.822)/(34 - 26) | 0.75475 |
| 0.482 (9/2/2021) | 0.822 (6/11/2019) | (0.482 - 0.822)/(35 - 26) | -0.0377778 |

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|---|---|---|---|
| 0.343 (11/23/2021) | 0.822 (6/11/2019) | (0.343 - 0.822)/(36 - 26) | -0.0479 |
| 0.769 (1/10/2022) | 0.822 (6/11/2019) | (0.769 - 0.822)/(37 - 26) | -0.00481818 |
| 0.509 (4/7/2022) | 0.822 (6/11/2019) | (0.509 - 0.822)/(38 - 26) | -0.0260833 |
| 0.715 (8/3/2022) | 0.822 (6/11/2019) | (0.715 - 0.822)/(39 - 26) | -0.00823077 |
| 0.366 (11/16/2022) | 0.822 (6/11/2019) | (0.366 - 0.822)/(40 - 26) | -0.0325714 |
| 0.699 (2/13/2023) | 0.822 (6/11/2019) | (0.699 - 0.822)/(41 - 26) | -0.0082 |
| 0.697 (5/24/2023) | 0.822 (6/11/2019) | (0.697 - 0.822)/(42 - 26) | -0.0078125 |
| 0.832 (8/7/2023) | 0.822 (6/11/2019) | (0.832 - 0.822)/(43 - 26) | 0.000588235 |
| 0.696 (12/12/2023) | 0.822 (6/11/2019) | (0.696 - 0.822)/(44 - 26) | -0.007 |
| 0.642 (1/10/2024) | 0.822 (6/11/2019) | (0.642 - 0.822)/(45 - 26) | -0.00947368 |
| 0.737 (5/20/2024) | 0.822 (6/11/2019) | (0.737 - 0.822)/(46 - 26) | -0.00425 |
| 1.68 (9/16/2024) | 0.822 (6/11/2019) | (1.68 - 0.822)/(47 - 26) | 0.0408571 |
| 1.07 (12/11/2024) | 0.822 (6/11/2019) | (1.07 - 0.822)/(48 - 26) | 0.0112727 |
| 1.05 (2/18/2025) | 0.822 (6/11/2019) | (1.05 - 0.822)/(49 - 26) | 0.00991304 |
| | | | |
| 0.665 (10/28/2019) | 0.534 (8/28/2019) | (0.665 - 0.534)/(28 - 27) | 0.131 |
| 0.657 (3/31/2020) | 0.534 (8/28/2019) | (0.657 - 0.534)/(29 - 27) | 0.0615 |
| 0.825 (6/10/2020) | 0.534 (8/28/2019) | (0.825 - 0.534)/(30 - 27) | 0.097 |
| 0.825 (6/10/2020) | 0.534 (8/28/2019) | (0.825 - 0.534)/(30 - 27) | 0.097 |
| 0.603 (9/21/2020) | 0.534 (8/28/2019) | (0.603 - 0.534)/(31 - 27) | 0.01725 |
| 0.831 (12/17/2020) | 0.534 (8/28/2019) | (0.831 - 0.534)/(32 - 27) | 0.0594 |
| 0.31 (3/18/2021) | 0.534 (8/28/2019) | (0.31 - 0.534)/(33 - 27) | -0.0373333 |
| 6.86 (5/5/2021) | 0.534 (8/28/2019) | (6.86 - 0.534)/(34 - 27) | 0.903714 |
| 0.482 (9/2/2021) | 0.534 (8/28/2019) | (0.482 - 0.534)/(35 - 27) | -0.0065 |
| 0.343 (11/23/2021) | 0.534 (8/28/2019) | (0.343 - 0.534)/(36 - 27) | -0.0212222 |
| 0.769 (1/10/2022) | 0.534 (8/28/2019) | (0.769 - 0.534)/(37 - 27) | 0.0235 |
| 0.509 (4/7/2022) | 0.534 (8/28/2019) | (0.509 - 0.534)/(38 - 27) | -0.00227273 |
| 0.715 (8/3/2022) | 0.534 (8/28/2019) | (0.715 - 0.534)/(39 - 27) | 0.0150833 |
| 0.366 (11/16/2022) | 0.534 (8/28/2019) | (0.366 - 0.534)/(40 - 27) | -0.0129231 |
| 0.699 (2/13/2023) | 0.534 (8/28/2019) | (0.699 - 0.534)/(41 - 27) | 0.0117857 |
| 0.697 (5/24/2023) | 0.534 (8/28/2019) | (0.697 - 0.534)/(42 - 27) | 0.0108667 |
| 0.832 (8/7/2023) | 0.534 (8/28/2019) | (0.832 - 0.534)/(43 - 27) | 0.018625 |
| 0.696 (12/12/2023) | 0.534 (8/28/2019) | (0.696 - 0.534)/(44 - 27) | 0.00952941 |
| 0.642 (1/10/2024) | 0.534 (8/28/2019) | (0.642 - 0.534)/(45 - 27) | 0.006 |
| 0.737 (5/20/2024) | 0.534 (8/28/2019) | (0.737 - 0.534)/(46 - 27) | 0.0106842 |
| 1.68 (9/16/2024) | 0.534 (8/28/2019) | (1.68 - 0.534)/(47 - 27) | 0.0573 |
| 1.07 (12/11/2024) | 0.534 (8/28/2019) | (1.07 - 0.534)/(48 - 27) | 0.0255238 |
| 1.05 (2/18/2025) | 0.534 (8/28/2019) | (1.05 - 0.534)/(49 - 27) | 0.0234545 |
| | | | |
| 0.657 (3/31/2020) | 0.665 (10/28/2019) | (0.657 - 0.665)/(29 - 28) | -0.008 |
| 0.825 (6/10/2020) | 0.665 (10/28/2019) | (0.825 - 0.665)/(30 - 28) | 0.08 |
| 0.825 (6/10/2020) | 0.665 (10/28/2019) | (0.825 - 0.665)/(30 - 28) | 0.08 |
| 0.603 (9/21/2020) | 0.665 (10/28/2019) | (0.603 - 0.665)/(31 - 28) | -0.0206667 |
| 0.831 (12/17/2020) | 0.665 (10/28/2019) | (0.831 - 0.665)/(32 - 28) | 0.0415 |
| 0.31 (3/18/2021) | 0.665 (10/28/2019) | (0.31 - 0.665)/(33 - 28) | -0.071 |
| 6.86 (5/5/2021) | 0.665 (10/28/2019) | (6.86 - 0.665)/(34 - 28) | 1.0325 |
| 0.482 (9/2/2021) | 0.665 (10/28/2019) | (0.482 - 0.665)/(35 - 28) | -0.0261429 |
| 0.343 (11/23/2021) | 0.665 (10/28/2019) | (0.343 - 0.665)/(36 - 28) | -0.04025 |
| 0.769 (1/10/2022) | 0.665 (10/28/2019) | (0.769 - 0.665)/(37 - 28) | 0.0115556 |
| 0.509 (4/7/2022) | 0.665 (10/28/2019) | (0.509 - 0.665)/(38 - 28) | -0.0156 |
| 0.715 (8/3/2022) | 0.665 (10/28/2019) | (0.715 - 0.665)/(39 - 28) | 0.00454545 |
| 0.366 (11/16/2022) | 0.665 (10/28/2019) | (0.366 - 0.665)/(40 - 28) | -0.0249167 |
| 0.699 (2/13/2023) | 0.665 (10/28/2019) | (0.699 - 0.665)/(41 - 28) | 0.00261538 |
| 0.697 (5/24/2023) | 0.665 (10/28/2019) | (0.697 - 0.665)/(42 - 28) | 0.00228571 |
| 0.832 (8/7/2023) | 0.665 (10/28/2019) | (0.832 - 0.665)/(43 - 28) | 0.0111333 |
| 0.696 (12/12/2023) | 0.665 (10/28/2019) | (0.696 - 0.665)/(44 - 28) | 0.0019375 |
| 0.642 (1/10/2024) | 0.665 (10/28/2019) | (0.642 - 0.665)/(45 - 28) | -0.00135294 |

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|---|---|---|---|
| 0.737 (5/20/2024) | 0.665 (10/28/2019) | (0.737 - 0.665)/(46 - 28) | 0.004 |
| 1.68 (9/16/2024) | 0.665 (10/28/2019) | (1.68 - 0.665)/(47 - 28) | 0.0534211 |
| 1.07 (12/11/2024) | 0.665 (10/28/2019) | (1.07 - 0.665)/(48 - 28) | 0.02025 |
| 1.05 (2/18/2025) | 0.665 (10/28/2019) | (1.05 - 0.665)/(49 - 28) | 0.0183333 |
| | | | |
| 0.825 (6/10/2020) | 0.657 (3/31/2020) | (0.825 - 0.657)/(30 - 29) | 0.168 |
| 0.825 (6/10/2020) | 0.657 (3/31/2020) | (0.825 - 0.657)/(30 - 29) | 0.168 |
| 0.603 (9/21/2020) | 0.657 (3/31/2020) | (0.603 - 0.657)/(31 - 29) | -0.027 |
| 0.831 (12/17/2020) | 0.657 (3/31/2020) | (0.831 - 0.657)/(32 - 29) | 0.058 |
| 0.31 (3/18/2021) | 0.657 (3/31/2020) | (0.31 - 0.657)/(33 - 29) | -0.08675 |
| 6.86 (5/5/2021) | 0.657 (3/31/2020) | (6.86 - 0.657)/(34 - 29) | 1.2406 |
| 0.482 (9/2/2021) | 0.657 (3/31/2020) | (0.482 - 0.657)/(35 - 29) | -0.0291667 |
| 0.343 (11/23/2021) | 0.657 (3/31/2020) | (0.343 - 0.657)/(36 - 29) | -0.0448571 |
| 0.769 (1/10/2022) | 0.657 (3/31/2020) | (0.769 - 0.657)/(37 - 29) | 0.014 |
| 0.509 (4/7/2022) | 0.657 (3/31/2020) | (0.509 - 0.657)/(38 - 29) | -0.0164444 |
| 0.715 (8/3/2022) | 0.657 (3/31/2020) | (0.715 - 0.657)/(39 - 29) | 0.0058 |
| 0.366 (11/16/2022) | 0.657 (3/31/2020) | (0.366 - 0.657)/(40 - 29) | -0.0264545 |
| 0.699 (2/13/2023) | 0.657 (3/31/2020) | (0.699 - 0.657)/(41 - 29) | 0.0035 |
| 0.697 (5/24/2023) | 0.657 (3/31/2020) | (0.697 - 0.657)/(42 - 29) | 0.00307692 |
| 0.832 (8/7/2023) | 0.657 (3/31/2020) | (0.832 - 0.657)/(43 - 29) | 0.0125 |
| 0.696 (12/12/2023) | 0.657 (3/31/2020) | (0.696 - 0.657)/(44 - 29) | 0.0026 |
| 0.642 (1/10/2024) | 0.657 (3/31/2020) | (0.642 - 0.657)/(45 - 29) | -0.0009375 |
| 0.737 (5/20/2024) | 0.657 (3/31/2020) | (0.737 - 0.657)/(46 - 29) | 0.00470588 |
| 1.68 (9/16/2024) | 0.657 (3/31/2020) | (1.68 - 0.657)/(47 - 29) | 0.0568333 |
| 1.07 (12/11/2024) | 0.657 (3/31/2020) | (1.07 - 0.657)/(48 - 29) | 0.0217368 |
| 1.05 (2/18/2025) | 0.657 (3/31/2020) | (1.05 - 0.657)/(49 - 29) | 0.01965 |
| | | | |
| 0.825 (6/10/2020) | 0.825 (6/10/2020) | (0.825 - 0.825)/(30 - 30) | Same Date |
| 0.603 (9/21/2020) | 0.825 (6/10/2020) | (0.603 - 0.825)/(31 - 30) | -0.222 |
| 0.831 (12/17/2020) | 0.825 (6/10/2020) | (0.831 - 0.825)/(32 - 30) | 0.003 |
| 0.31 (3/18/2021) | 0.825 (6/10/2020) | (0.31 - 0.825)/(33 - 30) | -0.171667 |
| 6.86 (5/5/2021) | 0.825 (6/10/2020) | (6.86 - 0.825)/(34 - 30) | 1.50875 |
| 0.482 (9/2/2021) | 0.825 (6/10/2020) | (0.482 - 0.825)/(35 - 30) | -0.0686 |
| 0.343 (11/23/2021) | 0.825 (6/10/2020) | (0.343 - 0.825)/(36 - 30) | -0.0803333 |
| 0.769 (1/10/2022) | 0.825 (6/10/2020) | (0.769 - 0.825)/(37 - 30) | -0.008 |
| 0.509 (4/7/2022) | 0.825 (6/10/2020) | (0.509 - 0.825)/(38 - 30) | -0.0395 |
| 0.715 (8/3/2022) | 0.825 (6/10/2020) | (0.715 - 0.825)/(39 - 30) | -0.0122222 |
| 0.366 (11/16/2022) | 0.825 (6/10/2020) | (0.366 - 0.825)/(40 - 30) | -0.0459 |
| 0.699 (2/13/2023) | 0.825 (6/10/2020) | (0.699 - 0.825)/(41 - 30) | -0.0114545 |
| 0.697 (5/24/2023) | 0.825 (6/10/2020) | (0.697 - 0.825)/(42 - 30) | -0.0106667 |
| 0.832 (8/7/2023) | 0.825 (6/10/2020) | (0.832 - 0.825)/(43 - 30) | 0.000538462 |
| 0.696 (12/12/2023) | 0.825 (6/10/2020) | (0.696 - 0.825)/(44 - 30) | -0.00921429 |
| 0.642 (1/10/2024) | 0.825 (6/10/2020) | (0.642 - 0.825)/(45 - 30) | -0.0122 |
| 0.737 (5/20/2024) | 0.825 (6/10/2020) | (0.737 - 0.825)/(46 - 30) | -0.0055 |
| 1.68 (9/16/2024) | 0.825 (6/10/2020) | (1.68 - 0.825)/(47 - 30) | 0.0502941 |
| 1.07 (12/11/2024) | 0.825 (6/10/2020) | (1.07 - 0.825)/(48 - 30) | 0.0136111 |
| 1.05 (2/18/2025) | 0.825 (6/10/2020) | (1.05 - 0.825)/(49 - 30) | 0.0118421 |
| | | | |
| 0.603 (9/21/2020) | 0.825 (6/10/2020) | (0.603 - 0.825)/(31 - 30) | -0.222 |
| 0.831 (12/17/2020) | 0.825 (6/10/2020) | (0.831 - 0.825)/(32 - 30) | 0.003 |
| 0.31 (3/18/2021) | 0.825 (6/10/2020) | (0.31 - 0.825)/(33 - 30) | -0.171667 |
| 6.86 (5/5/2021) | 0.825 (6/10/2020) | (6.86 - 0.825)/(34 - 30) | 1.50875 |
| 0.482 (9/2/2021) | 0.825 (6/10/2020) | (0.482 - 0.825)/(35 - 30) | -0.0686 |
| 0.343 (11/23/2021) | 0.825 (6/10/2020) | (0.343 - 0.825)/(36 - 30) | -0.0803333 |
| 0.769 (1/10/2022) | 0.825 (6/10/2020) | (0.769 - 0.825)/(37 - 30) | -0.008 |
| 0.509 (4/7/2022) | 0.825 (6/10/2020) | (0.509 - 0.825)/(38 - 30) | -0.0395 |
| 0.715 (8/3/2022) | 0.825 (6/10/2020) | (0.715 - 0.825)/(39 - 30) | -0.0122222 |

| | | | |
|---|---|---|---|
| 0.366 (11/16/2022) | 0.825 (6/10/2020) | (0.366 - 0.825)/(40 - 30) | -0.0459 |
| 0.699 (2/13/2023) | 0.825 (6/10/2020) | (0.699 - 0.825)/(41 - 30) | -0.0114545 |
| 0.697 (5/24/2023) | 0.825 (6/10/2020) | (0.697 - 0.825)/(42 - 30) | -0.0106667 |
| 0.832 (8/7/2023) | 0.825 (6/10/2020) | (0.832 - 0.825)/(43 - 30) | 0.000538462 |
| 0.696 (12/12/2023) | 0.825 (6/10/2020) | (0.696 - 0.825)/(44 - 30) | -0.00921429 |
| 0.642 (1/10/2024) | 0.825 (6/10/2020) | (0.642 - 0.825)/(45 - 30) | -0.0122 |
| 0.737 (5/20/2024) | 0.825 (6/10/2020) | (0.737 - 0.825)/(46 - 30) | -0.0055 |
| 1.68 (9/16/2024) | 0.825 (6/10/2020) | (1.68 - 0.825)/(47 - 30) | 0.0502941 |
| 1.07 (12/11/2024) | 0.825 (6/10/2020) | (1.07 - 0.825)/(48 - 30) | 0.0136111 |
| 1.05 (2/18/2025) | 0.825 (6/10/2020) | (1.05 - 0.825)/(49 - 30) | 0.0118421 |
| | | | |
| 0.831 (12/17/2020) | 0.603 (9/21/2020) | (0.831 - 0.603)/(32 - 31) | 0.228 |
| 0.31 (3/18/2021) | 0.603 (9/21/2020) | (0.31 - 0.603)/(33 - 31) | -0.1465 |
| 6.86 (5/5/2021) | 0.603 (9/21/2020) | (6.86 - 0.603)/(34 - 31) | 2.08567 |
| 0.482 (9/2/2021) | 0.603 (9/21/2020) | (0.482 - 0.603)/(35 - 31) | -0.03025 |
| 0.343 (11/23/2021) | 0.603 (9/21/2020) | (0.343 - 0.603)/(36 - 31) | -0.052 |
| 0.769 (1/10/2022) | 0.603 (9/21/2020) | (0.769 - 0.603)/(37 - 31) | 0.0276667 |
| 0.509 (4/7/2022) | 0.603 (9/21/2020) | (0.509 - 0.603)/(38 - 31) | -0.0134286 |
| 0.715 (8/3/2022) | 0.603 (9/21/2020) | (0.715 - 0.603)/(39 - 31) | 0.014 |
| 0.366 (11/16/2022) | 0.603 (9/21/2020) | (0.366 - 0.603)/(40 - 31) | -0.0263333 |
| 0.699 (2/13/2023) | 0.603 (9/21/2020) | (0.699 - 0.603)/(41 - 31) | 0.0096 |
| 0.697 (5/24/2023) | 0.603 (9/21/2020) | (0.697 - 0.603)/(42 - 31) | 0.00854545 |
| 0.832 (8/7/2023) | 0.603 (9/21/2020) | (0.832 - 0.603)/(43 - 31) | 0.0190833 |
| 0.696 (12/12/2023) | 0.603 (9/21/2020) | (0.696 - 0.603)/(44 - 31) | 0.00715385 |
| 0.642 (1/10/2024) | 0.603 (9/21/2020) | (0.642 - 0.603)/(45 - 31) | 0.00278571 |
| 0.737 (5/20/2024) | 0.603 (9/21/2020) | (0.737 - 0.603)/(46 - 31) | 0.00893333 |
| 1.68 (9/16/2024) | 0.603 (9/21/2020) | (1.68 - 0.603)/(47 - 31) | 0.0673125 |
| 1.07 (12/11/2024) | 0.603 (9/21/2020) | (1.07 - 0.603)/(48 - 31) | 0.0274706 |
| 1.05 (2/18/2025) | 0.603 (9/21/2020) | (1.05 - 0.603)/(49 - 31) | 0.0248333 |
| | | | |
| 0.31 (3/18/2021) | 0.831 (12/17/2020) | (0.31 - 0.831)/(33 - 32) | -0.521 |
| 6.86 (5/5/2021) | 0.831 (12/17/2020) | (6.86 - 0.831)/(34 - 32) | 3.0145 |
| 0.482 (9/2/2021) | 0.831 (12/17/2020) | (0.482 - 0.831)/(35 - 32) | -0.116333 |
| 0.343 (11/23/2021) | 0.831 (12/17/2020) | (0.343 - 0.831)/(36 - 32) | -0.122 |
| 0.769 (1/10/2022) | 0.831 (12/17/2020) | (0.769 - 0.831)/(37 - 32) | -0.0124 |
| 0.509 (4/7/2022) | 0.831 (12/17/2020) | (0.509 - 0.831)/(38 - 32) | -0.0536667 |
| 0.715 (8/3/2022) | 0.831 (12/17/2020) | (0.715 - 0.831)/(39 - 32) | -0.0165714 |
| 0.366 (11/16/2022) | 0.831 (12/17/2020) | (0.366 - 0.831)/(40 - 32) | -0.058125 |
| 0.699 (2/13/2023) | 0.831 (12/17/2020) | (0.699 - 0.831)/(41 - 32) | -0.0146667 |
| 0.697 (5/24/2023) | 0.831 (12/17/2020) | (0.697 - 0.831)/(42 - 32) | -0.0134 |
| 0.832 (8/7/2023) | 0.831 (12/17/2020) | (0.832 - 0.831)/(43 - 32) | 9.09091e-05 |
| 0.696 (12/12/2023) | 0.831 (12/17/2020) | (0.696 - 0.831)/(44 - 32) | -0.01125 |
| 0.642 (1/10/2024) | 0.831 (12/17/2020) | (0.642 - 0.831)/(45 - 32) | -0.0145385 |
| 0.737 (5/20/2024) | 0.831 (12/17/2020) | (0.737 - 0.831)/(46 - 32) | -0.00671429 |
| 1.68 (9/16/2024) | 0.831 (12/17/2020) | (1.68 - 0.831)/(47 - 32) | 0.0566 |
| 1.07 (12/11/2024) | 0.831 (12/17/2020) | (1.07 - 0.831)/(48 - 32) | 0.0149375 |
| 1.05 (2/18/2025) | 0.831 (12/17/2020) | (1.05 - 0.831)/(49 - 32) | 0.0128824 |
| | | | |
| 6.86 (5/5/2021) | 0.31 (3/18/2021) | (6.86 - 0.31)/(34 - 33) | 6.55 |
| 0.482 (9/2/2021) | 0.31 (3/18/2021) | (0.482 - 0.31)/(35 - 33) | 0.086 |
| 0.343 (11/23/2021) | 0.31 (3/18/2021) | (0.343 - 0.31)/(36 - 33) | 0.011 |
| 0.769 (1/10/2022) | 0.31 (3/18/2021) | (0.769 - 0.31)/(37 - 33) | 0.11475 |
| 0.509 (4/7/2022) | 0.31 (3/18/2021) | (0.509 - 0.31)/(38 - 33) | 0.0398 |
| 0.715 (8/3/2022) | 0.31 (3/18/2021) | (0.715 - 0.31)/(39 - 33) | 0.0675 |
| 0.366 (11/16/2022) | 0.31 (3/18/2021) | (0.366 - 0.31)/(40 - 33) | 0.008 |
| 0.699 (2/13/2023) | 0.31 (3/18/2021) | (0.699 - 0.31)/(41 - 33) | 0.048625 |
| 0.697 (5/24/2023) | 0.31 (3/18/2021) | (0.697 - 0.31)/(42 - 33) | 0.043 |

| | | | |
|---|---|---|---|
| 0.832 (8/7/2023) | 0.31 (3/18/2021) | (0.832 - 0.31)/(43 - 33) | 0.0522 |
| 0.696 (12/12/2023) | 0.31 (3/18/2021) | (0.696 - 0.31)/(44 - 33) | 0.0350909 |
| 0.642 (1/10/2024) | 0.31 (3/18/2021) | (0.642 - 0.31)/(45 - 33) | 0.0276667 |
| 0.737 (5/20/2024) | 0.31 (3/18/2021) | (0.737 - 0.31)/(46 - 33) | 0.0328462 |
| 1.68 (9/16/2024) | 0.31 (3/18/2021) | (1.68 - 0.31)/(47 - 33) | 0.0978571 |
| 1.07 (12/11/2024) | 0.31 (3/18/2021) | (1.07 - 0.31)/(48 - 33) | 0.0506667 |
| 1.05 (2/18/2025) | 0.31 (3/18/2021) | (1.05 - 0.31)/(49 - 33) | 0.04625 |
| | | | |
| 0.482 (9/2/2021) | 6.86 (5/5/2021) | (0.482 - 6.86)/(35 - 34) | -6.378 |
| 0.343 (11/23/2021) | 6.86 (5/5/2021) | (0.343 - 6.86)/(36 - 34) | -3.2585 |
| 0.769 (1/10/2022) | 6.86 (5/5/2021) | (0.769 - 6.86)/(37 - 34) | -2.03033 |
| 0.509 (4/7/2022) | 6.86 (5/5/2021) | (0.509 - 6.86)/(38 - 34) | -1.58775 |
| 0.715 (8/3/2022) | 6.86 (5/5/2021) | (0.715 - 6.86)/(39 - 34) | -1.229 |
| 0.366 (11/16/2022) | 6.86 (5/5/2021) | (0.366 - 6.86)/(40 - 34) | -1.08233 |
| 0.699 (2/13/2023) | 6.86 (5/5/2021) | (0.699 - 6.86)/(41 - 34) | -0.880143 |
| 0.697 (5/24/2023) | 6.86 (5/5/2021) | (0.697 - 6.86)/(42 - 34) | -0.770375 |
| 0.832 (8/7/2023) | 6.86 (5/5/2021) | (0.832 - 6.86)/(43 - 34) | -0.669778 |
| 0.696 (12/12/2023) | 6.86 (5/5/2021) | (0.696 - 6.86)/(44 - 34) | -0.6164 |
| 0.642 (1/10/2024) | 6.86 (5/5/2021) | (0.642 - 6.86)/(45 - 34) | -0.565273 |
| 0.737 (5/20/2024) | 6.86 (5/5/2021) | (0.737 - 6.86)/(46 - 34) | -0.51025 |
| 1.68 (9/16/2024) | 6.86 (5/5/2021) | (1.68 - 6.86)/(47 - 34) | -0.398462 |
| 1.07 (12/11/2024) | 6.86 (5/5/2021) | (1.07 - 6.86)/(48 - 34) | -0.413571 |
| 1.05 (2/18/2025) | 6.86 (5/5/2021) | (1.05 - 6.86)/(49 - 34) | -0.387333 |
| | | | |
| 0.343 (11/23/2021) | 0.482 (9/2/2021) | (0.343 - 0.482)/(36 - 35) | -0.139 |
| 0.769 (1/10/2022) | 0.482 (9/2/2021) | (0.769 - 0.482)/(37 - 35) | 0.1435 |
| 0.509 (4/7/2022) | 0.482 (9/2/2021) | (0.509 - 0.482)/(38 - 35) | 0.009 |
| 0.715 (8/3/2022) | 0.482 (9/2/2021) | (0.715 - 0.482)/(39 - 35) | 0.05825 |
| 0.366 (11/16/2022) | 0.482 (9/2/2021) | (0.366 - 0.482)/(40 - 35) | -0.0232 |
| 0.699 (2/13/2023) | 0.482 (9/2/2021) | (0.699 - 0.482)/(41 - 35) | 0.0361667 |
| 0.697 (5/24/2023) | 0.482 (9/2/2021) | (0.697 - 0.482)/(42 - 35) | 0.0307143 |
| 0.832 (8/7/2023) | 0.482 (9/2/2021) | (0.832 - 0.482)/(43 - 35) | 0.04375 |
| 0.696 (12/12/2023) | 0.482 (9/2/2021) | (0.696 - 0.482)/(44 - 35) | 0.0237778 |
| 0.642 (1/10/2024) | 0.482 (9/2/2021) | (0.642 - 0.482)/(45 - 35) | 0.016 |
| 0.737 (5/20/2024) | 0.482 (9/2/2021) | (0.737 - 0.482)/(46 - 35) | 0.0231818 |
| 1.68 (9/16/2024) | 0.482 (9/2/2021) | (1.68 - 0.482)/(47 - 35) | 0.0998333 |
| 1.07 (12/11/2024) | 0.482 (9/2/2021) | (1.07 - 0.482)/(48 - 35) | 0.0452308 |
| 1.05 (2/18/2025) | 0.482 (9/2/2021) | (1.05 - 0.482)/(49 - 35) | 0.0405714 |
| | | | |
| 0.769 (1/10/2022) | 0.343 (11/23/2021) | (0.769 - 0.343)/(37 - 36) | 0.426 |
| 0.509 (4/7/2022) | 0.343 (11/23/2021) | (0.509 - 0.343)/(38 - 36) | 0.083 |
| 0.715 (8/3/2022) | 0.343 (11/23/2021) | (0.715 - 0.343)/(39 - 36) | 0.124 |
| 0.366 (11/16/2022) | 0.343 (11/23/2021) | (0.366 - 0.343)/(40 - 36) | 0.00575 |
| 0.699 (2/13/2023) | 0.343 (11/23/2021) | (0.699 - 0.343)/(41 - 36) | 0.0712 |
| 0.697 (5/24/2023) | 0.343 (11/23/2021) | (0.697 - 0.343)/(42 - 36) | 0.059 |
| 0.832 (8/7/2023) | 0.343 (11/23/2021) | (0.832 - 0.343)/(43 - 36) | 0.0698571 |
| 0.696 (12/12/2023) | 0.343 (11/23/2021) | (0.696 - 0.343)/(44 - 36) | 0.044125 |
| 0.642 (1/10/2024) | 0.343 (11/23/2021) | (0.642 - 0.343)/(45 - 36) | 0.0332222 |
| 0.737 (5/20/2024) | 0.343 (11/23/2021) | (0.737 - 0.343)/(46 - 36) | 0.0394 |
| 1.68 (9/16/2024) | 0.343 (11/23/2021) | (1.68 - 0.343)/(47 - 36) | 0.121545 |
| 1.07 (12/11/2024) | 0.343 (11/23/2021) | (1.07 - 0.343)/(48 - 36) | 0.0605833 |
| 1.05 (2/18/2025) | 0.343 (11/23/2021) | (1.05 - 0.343)/(49 - 36) | 0.0543846 |
| | | | |
| 0.509 (4/7/2022) | 0.769 (1/10/2022) | (0.509 - 0.769)/(38 - 37) | -0.26 |
| 0.715 (8/3/2022) | 0.769 (1/10/2022) | (0.715 - 0.769)/(39 - 37) | -0.027 |
| 0.366 (11/16/2022) | 0.769 (1/10/2022) | (0.366 - 0.769)/(40 - 37) | -0.134333 |
| 0.699 (2/13/2023) | 0.769 (1/10/2022) | (0.699 - 0.769)/(41 - 37) | -0.0175 |

| | | | |
|---|---|---|---|
| 0.697 (5/24/2023) | 0.769 (1/10/2022) | (0.697 - 0.769)/(42 - 37) | -0.0144 |
| 0.832 (8/7/2023) | 0.769 (1/10/2022) | (0.832 - 0.769)/(43 - 37) | 0.0105 |
| 0.696 (12/12/2023) | 0.769 (1/10/2022) | (0.696 - 0.769)/(44 - 37) | -0.0104286 |
| 0.642 (1/10/2024) | 0.769 (1/10/2022) | (0.642 - 0.769)/(45 - 37) | -0.015875 |
| 0.737 (5/20/2024) | 0.769 (1/10/2022) | (0.737 - 0.769)/(46 - 37) | -0.00355556 |
| 1.68 (9/16/2024) | 0.769 (1/10/2022) | (1.68 - 0.769)/(47 - 37) | 0.0911 |
| 1.07 (12/11/2024) | 0.769 (1/10/2022) | (1.07 - 0.769)/(48 - 37) | 0.0273636 |
| 1.05 (2/18/2025) | 0.769 (1/10/2022) | (1.05 - 0.769)/(49 - 37) | 0.0234167 |
| | | | |
| 0.715 (8/3/2022) | 0.509 (4/7/2022) | (0.715 - 0.509)/(39 - 38) | 0.206 |
| 0.366 (11/16/2022) | 0.509 (4/7/2022) | (0.366 - 0.509)/(40 - 38) | -0.0715 |
| 0.699 (2/13/2023) | 0.509 (4/7/2022) | (0.699 - 0.509)/(41 - 38) | 0.0633333 |
| 0.697 (5/24/2023) | 0.509 (4/7/2022) | (0.697 - 0.509)/(42 - 38) | 0.047 |
| 0.832 (8/7/2023) | 0.509 (4/7/2022) | (0.832 - 0.509)/(43 - 38) | 0.0646 |
| 0.696 (12/12/2023) | 0.509 (4/7/2022) | (0.696 - 0.509)/(44 - 38) | 0.0311667 |
| 0.642 (1/10/2024) | 0.509 (4/7/2022) | (0.642 - 0.509)/(45 - 38) | 0.019 |
| 0.737 (5/20/2024) | 0.509 (4/7/2022) | (0.737 - 0.509)/(46 - 38) | 0.0285 |
| 1.68 (9/16/2024) | 0.509 (4/7/2022) | (1.68 - 0.509)/(47 - 38) | 0.130111 |
| 1.07 (12/11/2024) | 0.509 (4/7/2022) | (1.07 - 0.509)/(48 - 38) | 0.0561 |
| 1.05 (2/18/2025) | 0.509 (4/7/2022) | (1.05 - 0.509)/(49 - 38) | 0.0491818 |
| | | | |
| 0.366 (11/16/2022) | 0.715 (8/3/2022) | (0.366 - 0.715)/(40 - 39) | -0.349 |
| 0.699 (2/13/2023) | 0.715 (8/3/2022) | (0.699 - 0.715)/(41 - 39) | -0.008 |
| 0.697 (5/24/2023) | 0.715 (8/3/2022) | (0.697 - 0.715)/(42 - 39) | -0.006 |
| 0.832 (8/7/2023) | 0.715 (8/3/2022) | (0.832 - 0.715)/(43 - 39) | 0.02925 |
| 0.696 (12/12/2023) | 0.715 (8/3/2022) | (0.696 - 0.715)/(44 - 39) | -0.0038 |
| 0.642 (1/10/2024) | 0.715 (8/3/2022) | (0.642 - 0.715)/(45 - 39) | -0.0121667 |
| 0.737 (5/20/2024) | 0.715 (8/3/2022) | (0.737 - 0.715)/(46 - 39) | 0.00314286 |
| 1.68 (9/16/2024) | 0.715 (8/3/2022) | (1.68 - 0.715)/(47 - 39) | 0.120625 |
| 1.07 (12/11/2024) | 0.715 (8/3/2022) | (1.07 - 0.715)/(48 - 39) | 0.0394444 |
| 1.05 (2/18/2025) | 0.715 (8/3/2022) | (1.05 - 0.715)/(49 - 39) | 0.0335 |
| | | | |
| 0.699 (2/13/2023) | 0.366 (11/16/2022) | (0.699 - 0.366)/(41 - 40) | 0.333 |
| 0.697 (5/24/2023) | 0.366 (11/16/2022) | (0.697 - 0.366)/(42 - 40) | 0.1655 |
| 0.832 (8/7/2023) | 0.366 (11/16/2022) | (0.832 - 0.366)/(43 - 40) | 0.155333 |
| 0.696 (12/12/2023) | 0.366 (11/16/2022) | (0.696 - 0.366)/(44 - 40) | 0.0825 |
| 0.642 (1/10/2024) | 0.366 (11/16/2022) | (0.642 - 0.366)/(45 - 40) | 0.0552 |
| 0.737 (5/20/2024) | 0.366 (11/16/2022) | (0.737 - 0.366)/(46 - 40) | 0.0618333 |
| 1.68 (9/16/2024) | 0.366 (11/16/2022) | (1.68 - 0.366)/(47 - 40) | 0.187714 |
| 1.07 (12/11/2024) | 0.366 (11/16/2022) | (1.07 - 0.366)/(48 - 40) | 0.088 |
| 1.05 (2/18/2025) | 0.366 (11/16/2022) | (1.05 - 0.366)/(49 - 40) | 0.076 |
| | | | |
| 0.697 (5/24/2023) | 0.699 (2/13/2023) | (0.697 - 0.699)/(42 - 41) | -0.002 |
| 0.832 (8/7/2023) | 0.699 (2/13/2023) | (0.832 - 0.699)/(43 - 41) | 0.0665 |
| 0.696 (12/12/2023) | 0.699 (2/13/2023) | (0.696 - 0.699)/(44 - 41) | -0.001 |
| 0.642 (1/10/2024) | 0.699 (2/13/2023) | (0.642 - 0.699)/(45 - 41) | -0.01425 |
| 0.737 (5/20/2024) | 0.699 (2/13/2023) | (0.737 - 0.699)/(46 - 41) | 0.0076 |
| 1.68 (9/16/2024) | 0.699 (2/13/2023) | (1.68 - 0.699)/(47 - 41) | 0.1635 |
| 1.07 (12/11/2024) | 0.699 (2/13/2023) | (1.07 - 0.699)/(48 - 41) | 0.053 |
| 1.05 (2/18/2025) | 0.699 (2/13/2023) | (1.05 - 0.699)/(49 - 41) | 0.043875 |
| | | | |
| 0.832 (8/7/2023) | 0.697 (5/24/2023) | (0.832 - 0.697)/(43 - 42) | 0.135 |
| 0.696 (12/12/2023) | 0.697 (5/24/2023) | (0.696 - 0.697)/(44 - 42) | -0.0005 |
| 0.642 (1/10/2024) | 0.697 (5/24/2023) | (0.642 - 0.697)/(45 - 42) | -0.0183333 |
| 0.737 (5/20/2024) | 0.697 (5/24/2023) | (0.737 - 0.697)/(46 - 42) | 0.01 |
| 1.68 (9/16/2024) | 0.697 (5/24/2023) | (1.68 - 0.697)/(47 - 42) | 0.1966 |
| 1.07 (12/11/2024) | 0.697 (5/24/2023) | (1.07 - 0.697)/(48 - 42) | 0.0621667 |

| | | | |
|---|---|---|---|
| 1.05 (2/18/2025) | 0.697 (5/24/2023) | (1.05 - 0.697)/(49 - 42) | 0.0504286 |
| 0.696 (12/12/2023) | 0.832 (8/7/2023) | (0.696 - 0.832)/(44 - 43) | -0.136 |
| 0.642 (1/10/2024) | 0.832 (8/7/2023) | (0.642 - 0.832)/(45 - 43) | -0.095 |
| 0.737 (5/20/2024) | 0.832 (8/7/2023) | (0.737 - 0.832)/(46 - 43) | -0.0316667 |
| 1.68 (9/16/2024) | 0.832 (8/7/2023) | (1.68 - 0.832)/(47 - 43) | 0.212 |
| 1.07 (12/11/2024) | 0.832 (8/7/2023) | (1.07 - 0.832)/(48 - 43) | 0.0476 |
| 1.05 (2/18/2025) | 0.832 (8/7/2023) | (1.05 - 0.832)/(49 - 43) | 0.0363333 |
| 0.642 (1/10/2024) | 0.696 (12/12/2023) | (0.642 - 0.696)/(45 - 44) | -0.054 |
| 0.737 (5/20/2024) | 0.696 (12/12/2023) | (0.737 - 0.696)/(46 - 44) | 0.0205 |
| 1.68 (9/16/2024) | 0.696 (12/12/2023) | (1.68 - 0.696)/(47 - 44) | 0.328 |
| 1.07 (12/11/2024) | 0.696 (12/12/2023) | (1.07 - 0.696)/(48 - 44) | 0.0935 |
| 1.05 (2/18/2025) | 0.696 (12/12/2023) | (1.05 - 0.696)/(49 - 44) | 0.0708 |
| 0.737 (5/20/2024) | 0.642 (1/10/2024) | (0.737 - 0.642)/(46 - 45) | 0.095 |
| 1.68 (9/16/2024) | 0.642 (1/10/2024) | (1.68 - 0.642)/(47 - 45) | 0.519 |
| 1.07 (12/11/2024) | 0.642 (1/10/2024) | (1.07 - 0.642)/(48 - 45) | 0.142667 |
| 1.05 (2/18/2025) | 0.642 (1/10/2024) | (1.05 - 0.642)/(49 - 45) | 0.102 |
| 1.68 (9/16/2024) | 0.737 (5/20/2024) | (1.68 - 0.737)/(47 - 46) | 0.943 |
| 1.07 (12/11/2024) | 0.737 (5/20/2024) | (1.07 - 0.737)/(48 - 46) | 0.1665 |
| 1.05 (2/18/2025) | 0.737 (5/20/2024) | (1.05 - 0.737)/(49 - 46) | 0.104333 |
| 1.07 (12/11/2024) | 1.68 (9/16/2024) | (1.07 - 1.68)/(48 - 47) | -0.61 |
| 1.05 (2/18/2025) | 1.68 (9/16/2024) | (1.05 - 1.68)/(49 - 47) | -0.315 |
| 1.05 (2/18/2025) | 1.07 (12/11/2024) | (1.05 - 1.07)/(49 - 48) | -0.02 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -6.378 |
| 2 | -3.2585 |
| 3 | -2.03033 |
| 4 | -1.58775 |
| 5 | -1.229 |
| 6 | -1.15 |
| 7 | -1.08233 |
| 8 | -0.880143 |
| 9 | -0.770375 |
| 10 | -0.669778 |
| 11 | -0.62 |
| 12 | -0.6164 |
| 13 | -0.61 |
| 14 | -0.59 |
| 15 | -0.565273 |
| 16 | -0.521 |
| 17 | -0.51025 |
| 18 | -0.51 |
| 19 | -0.46 |
| 20 | -0.452 |
| 21 | -0.413571 |
| 22 | -0.398462 |
| 23 | -0.387333 |

| | |
|---|---|
| 24 | -0.349 |
| 25 | -0.34 |
| 26 | -0.339 |
| 27 | -0.32 |
| 28 | -0.315 |
| 29 | -0.305 |
| 30 | -0.3 |
| 31 | -0.288 |
| 32 | -0.26 |
| 33 | -0.25 |
| 34 | -0.232 |
| 35 | -0.222 |
| 36 | -0.222 |
| 37 | -0.21 |
| 38 | -0.185333 |
| 39 | -0.176667 |
| 40 | -0.171667 |
| 41 | -0.171667 |
| 42 | -0.171429 |
| 43 | -0.1695 |
| 44 | -0.1575 |
| 45 | -0.1465 |
| 46 | -0.144 |
| 47 | -0.143333 |
| 48 | -0.139 |
| 49 | -0.136 |
| 50 | -0.134333 |
| 51 | -0.134 |
| 52 | -0.123333 |
| 53 | -0.122 |
| 54 | -0.12 |
| 55 | -0.116333 |
| 56 | -0.11625 |
| 57 | -0.115 |
| 58 | -0.109167 |
| 59 | -0.10625 |
| 60 | -0.0983333 |
| 61 | -0.0977778 |
| 62 | -0.0971 |
| 63 | -0.095 |
| 64 | -0.095 |
| 65 | -0.095 |
| 66 | -0.095 |
| 67 | -0.091 |
| 68 | -0.09 |
| 69 | -0.09 |
| 70 | -0.0882727 |
| 71 | -0.0871429 |
| 72 | -0.08675 |
| 73 | -0.0866667 |
| 74 | -0.0866 |
| 75 | -0.0844286 |
| 76 | -0.0833333 |
| 77 | -0.0833333 |
| 78 | -0.080375 |
| 79 | -0.0803333 |
| 80 | -0.0803333 |

| | |
|---|---|
| 81 | -0.08 |
| 82 | -0.0785 |
| 83 | -0.0731429 |
| 84 | -0.072 |
| 85 | -0.0715 |
| 86 | -0.071 |
| 87 | -0.0703333 |
| 88 | -0.07 |
| 89 | -0.07 |
| 90 | -0.0695714 |
| 91 | -0.0686364 |
| 92 | -0.0686 |
| 93 | -0.0686 |
| 94 | -0.068 |
| 95 | -0.0679412 |
| 96 | -0.0665333 |
| 97 | -0.0646111 |
| 98 | -0.063 |
| 99 | -0.06225 |
| 100 | -0.06085 |
| 101 | -0.0604 |
| 102 | -0.06 |
| 103 | -0.05908 |
| 104 | -0.05875 |
| 105 | -0.058125 |
| 106 | -0.058 |
| 107 | -0.05775 |
| 108 | -0.0561538 |
| 109 | -0.05575 |
| 110 | -0.0552727 |
| 111 | -0.05525 |
| 112 | -0.055 |
| 113 | -0.0546 |
| 114 | -0.054 |
| 115 | -0.054 |
| 116 | -0.0536667 |
| 117 | -0.05275 |
| 118 | -0.0526667 |
| 119 | -0.0525 |
| 120 | -0.0523684 |
| 121 | -0.0523684 |
| 122 | -0.052 |
| 123 | -0.052 |
| 124 | -0.0501379 |
| 125 | -0.0492308 |
| 126 | -0.049 |
| 127 | -0.0485556 |
| 128 | -0.0484615 |
| 129 | -0.048125 |
| 130 | -0.0479 |
| 131 | -0.0470952 |
| 132 | -0.0466667 |
| 133 | -0.0462 |
| 134 | -0.0459 |
| 135 | -0.0459 |
| 136 | -0.0457143 |
| 137 | -0.0455 |

| | |
|---|---|
| 138 | -0.0454545 |
| 139 | -0.0453333 |
| 140 | -0.04525 |
| 141 | -0.045 |
| 142 | -0.0449167 |
| 143 | -0.0448571 |
| 144 | -0.0445 |
| 145 | -0.0441667 |
| 146 | -0.0441667 |
| 147 | -0.0438 |
| 148 | -0.042 |
| 149 | -0.0415 |
| 150 | -0.0414286 |
| 151 | -0.041 |
| 152 | -0.0404231 |
| 153 | -0.0403158 |
| 154 | -0.04025 |
| 155 | -0.0396 |
| 156 | -0.0395 |
| 157 | -0.0395 |
| 158 | -0.0395 |
| 159 | -0.0394643 |
| 160 | -0.0389412 |
| 161 | -0.0387895 |
| 162 | -0.0377778 |
| 163 | -0.0377273 |
| 164 | -0.0373667 |
| 165 | -0.0373333 |
| 166 | -0.0373125 |
| 167 | -0.0372727 |
| 168 | -0.0372222 |
| 169 | -0.0371667 |
| 170 | -0.0366667 |
| 171 | -0.0362258 |
| 172 | -0.0361429 |
| 173 | -0.03525 |
| 174 | -0.0346923 |
| 175 | -0.0346471 |
| 176 | -0.034375 |
| 177 | -0.0342 |
| 178 | -0.0341786 |
| 179 | -0.0340714 |
| 180 | -0.0340606 |
| 181 | -0.0337333 |
| 182 | -0.0332222 |
| 183 | -0.033 |
| 184 | -0.0325714 |
| 185 | -0.0325 |
| 186 | -0.032375 |
| 187 | -0.0322222 |
| 188 | -0.0322143 |
| 189 | -0.0321765 |
| 190 | -0.0319167 |
| 191 | -0.03175 |
| 192 | -0.0316667 |
| 193 | -0.0314444 |
| 194 | -0.0311111 |

| | |
|---|---|
| 195 | -0.0310435 |
| 196 | -0.0309429 |
| 197 | -0.030875 |
| 198 | -0.0306667 |
| 199 | -0.0306364 |
| 200 | -0.030619 |
| 201 | -0.0305333 |
| 202 | -0.0303333 |
| 203 | -0.0303043 |
| 204 | -0.0302963 |
| 205 | -0.03025 |
| 206 | -0.0300909 |
| 207 | -0.03 |
| 208 | -0.03 |
| 209 | -0.0291875 |
| 210 | -0.0291667 |
| 211 | -0.0290909 |
| 212 | -0.029 |
| 213 | -0.0287 |
| 214 | -0.0286667 |
| 215 | -0.0282308 |
| 216 | -0.0275 |
| 217 | -0.0274286 |
| 218 | -0.0273333 |
| 219 | -0.0271905 |
| 220 | -0.0271429 |
| 221 | -0.027 |
| 222 | -0.027 |
| 223 | -0.026875 |
| 224 | -0.0268333 |
| 225 | -0.0268182 |
| 226 | -0.0266667 |
| 227 | -0.0265556 |
| 228 | -0.0264545 |
| 229 | -0.0263667 |
| 230 | -0.0263333 |
| 231 | -0.0262857 |
| 232 | -0.0262143 |
| 233 | -0.0261429 |
| 234 | -0.0260833 |
| 235 | -0.0257895 |
| 236 | -0.025625 |
| 237 | -0.0255625 |
| 238 | -0.0255 |
| 239 | -0.0254211 |
| 240 | -0.0254 |
| 241 | -0.0252432 |
| 242 | -0.0250556 |
| 243 | -0.025 |
| 244 | -0.025 |
| 245 | -0.0249524 |
| 246 | -0.0249167 |
| 247 | -0.0249 |
| 248 | -0.0248929 |
| 249 | -0.0247308 |
| 250 | -0.0246923 |
| 251 | -0.0246 |

| | |
|---|---|
| 252 | -0.02456 |
| 253 | -0.0244444 |
| 254 | -0.0242308 |
| 255 | -0.0242308 |
| 256 | -0.024 |
| 257 | -0.0239444 |
| 258 | -0.0239167 |
| 259 | -0.0237368 |
| 260 | -0.0235625 |
| 261 | -0.0233333 |
| 262 | -0.0233 |
| 263 | -0.0232 |
| 264 | -0.0230714 |
| 265 | -0.023 |
| 266 | -0.0226 |
| 267 | -0.0225 |
| 268 | -0.0225 |
| 269 | -0.022 |
| 270 | -0.022 |
| 271 | -0.0218333 |
| 272 | -0.0218333 |
| 273 | -0.0215909 |
| 274 | -0.0215909 |
| 275 | -0.0214286 |
| 276 | -0.0213333 |
| 277 | -0.02125 |
| 278 | -0.0212222 |
| 279 | -0.0211765 |
| 280 | -0.0207826 |
| 281 | -0.0207727 |
| 282 | -0.0206667 |
| 283 | -0.0206667 |
| 284 | -0.0205882 |
| 285 | -0.0205862 |
| 286 | -0.0205 |
| 287 | -0.0204783 |
| 288 | -0.0204615 |
| 289 | -0.0203 |
| 290 | -0.0202703 |
| 291 | -0.0202632 |
| 292 | -0.0200526 |
| 293 | -0.02 |
| 294 | -0.02 |
| 295 | -0.02 |
| 296 | -0.02 |
| 297 | -0.02 |
| 298 | -0.02 |
| 299 | -0.02 |
| 300 | -0.02 |
| 301 | -0.0197 |
| 302 | -0.0196667 |
| 303 | -0.0196154 |
| 304 | -0.0196154 |
| 305 | -0.0195417 |
| 306 | -0.018871 |
| 307 | -0.0187143 |
| 308 | -0.0185714 |

| | |
|---|---|
| 309 | -0.0183333 |
| 310 | -0.0183103 |
| 311 | -0.0182121 |
| 312 | -0.0181333 |
| 313 | -0.0177838 |
| 314 | -0.0177353 |
| 315 | -0.0175926 |
| 316 | -0.0175926 |
| 317 | -0.0175 |
| 318 | -0.0175 |
| 319 | -0.0173939 |
| 320 | -0.0171429 |
| 321 | -0.017037 |
| 322 | -0.0167778 |
| 323 | -0.0167778 |
| 324 | -0.0166923 |
| 325 | -0.0166667 |
| 326 | -0.0166667 |
| 327 | -0.0166667 |
| 328 | -0.0166 |
| 329 | -0.0165909 |
| 330 | -0.0165714 |
| 331 | -0.0165517 |
| 332 | -0.0165217 |
| 333 | -0.0164444 |
| 334 | -0.0163571 |
| 335 | -0.01625 |
| 336 | -0.0161724 |
| 337 | -0.0161111 |
| 338 | -0.0160455 |
| 339 | -0.016 |
| 340 | -0.015875 |
| 341 | -0.015875 |
| 342 | -0.01585 |
| 343 | -0.0158158 |
| 344 | -0.0157143 |
| 345 | -0.0156667 |
| 346 | -0.0156429 |
| 347 | -0.0156176 |
| 348 | -0.0156 |
| 349 | -0.0156 |
| 350 | -0.01555 |
| 351 | -0.0154615 |
| 352 | -0.0153889 |
| 353 | -0.01532 |
| 354 | -0.0152941 |
| 355 | -0.0151429 |
| 356 | -0.015 |
| 357 | -0.0148158 |
| 358 | -0.0147419 |
| 359 | -0.0147368 |
| 360 | -0.0147317 |
| 361 | -0.0147273 |
| 362 | -0.0146667 |
| 363 | -0.0145455 |
| 364 | -0.0145385 |
| 365 | -0.0144 |

| | |
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| 366 | -0.0143636 |
| 367 | -0.0142857 |
| 368 | -0.01425 |
| 369 | -0.0142333 |
| 370 | -0.0142222 |
| 371 | -0.0140417 |
| 372 | -0.0139688 |
| 373 | -0.0139032 |
| 374 | -0.0138462 |
| 375 | -0.0138462 |
| 376 | -0.0136667 |
| 377 | -0.013625 |
| 378 | -0.0135926 |
| 379 | -0.0135789 |
| 380 | -0.0135 |
| 381 | -0.0134286 |
| 382 | -0.0134 |
| 383 | -0.0133714 |
| 384 | -0.0133462 |
| 385 | -0.0133333 |
| 386 | -0.013125 |
| 387 | -0.0130952 |
| 388 | -0.013093 |
| 389 | -0.0129231 |
| 390 | -0.0128636 |
| 391 | -0.0128462 |
| 392 | -0.0127273 |
| 393 | -0.0125 |
| 394 | -0.0124 |
| 395 | -0.0124 |
| 396 | -0.01225 |
| 397 | -0.0122222 |
| 398 | -0.0122222 |
| 399 | -0.0122 |
| 400 | -0.0122 |
| 401 | -0.0121667 |
| 402 | -0.0121429 |
| 403 | -0.012125 |
| 404 | -0.0120909 |
| 405 | -0.01192 |
| 406 | -0.0118824 |
| 407 | -0.0118421 |
| 408 | -0.0118276 |
| 409 | -0.0117778 |
| 410 | -0.0117 |
| 411 | -0.0115882 |
| 412 | -0.0115455 |
| 413 | -0.0115 |
| 414 | -0.0115 |
| 415 | -0.0114762 |
| 416 | -0.0114545 |
| 417 | -0.0114545 |
| 418 | -0.0114545 |
| 419 | -0.0112667 |
| 420 | -0.01125 |
| 421 | -0.0112381 |
| 422 | -0.0111304 |

| | |
|---|---|
| 423 | -0.0110968 |
| 424 | -0.0110455 |
| 425 | -0.0110417 |
| 426 | -0.011 |
| 427 | -0.0108571 |
| 428 | -0.0108333 |
| 429 | -0.0108077 |
| 430 | -0.0108 |
| 431 | -0.0106667 |
| 432 | -0.0106667 |
| 433 | -0.0106 |
| 434 | -0.0104815 |
| 435 | -0.0104286 |
| 436 | -0.0103333 |
| 437 | -0.0103333 |
| 438 | -0.0103043 |
| 439 | -0.0101667 |
| 440 | -0.0100588 |
| 441 | -0.01 |
| 442 | -0.01 |
| 443 | -0.01 |
| 444 | -0.01 |
| 445 | -0.00993548 |
| 446 | -0.00993103 |
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| 1146 | 0.131 |
| 1147 | 0.135 |
| 1148 | 0.142667 |
| 1149 | 0.1435 |
| 1150 | 0.147143 |
| 1151 | 0.155333 |
| 1152 | 0.16 |
| 1153 | 0.163333 |
| 1154 | 0.1635 |
| 1155 | 0.165 |
| 1156 | 0.1655 |
| 1157 | 0.1665 |
| 1158 | 0.166667 |
| 1159 | 0.167778 |
| 1160 | 0.168 |
| 1161 | 0.168 |
| 1162 | 0.17 |
| 1163 | 0.17 |

| | |
|---|---|
| 1164 | 0.173333 |
| 1165 | 0.179355 |
| 1166 | 0.18 |
| 1167 | 0.184 |
| 1168 | 0.187714 |
| 1169 | 0.189394 |
| 1170 | 0.1966 |
| 1171 | 0.2 |
| 1172 | 0.202333 |
| 1173 | 0.204688 |
| 1174 | 0.206 |
| 1175 | 0.208966 |
| 1176 | 0.21 |
| 1177 | 0.212 |
| 1178 | 0.213846 |
| 1179 | 0.2175 |
| 1180 | 0.21913 |
| 1181 | 0.219259 |
| 1182 | 0.22 |
| 1183 | 0.22 |
| 1184 | 0.228 |
| 1185 | 0.24 |
| 1186 | 0.246 |
| 1187 | 0.257083 |
| 1188 | 0.265 |
| 1189 | 0.27 |
| 1190 | 0.281364 |
| 1191 | 0.299048 |
| 1192 | 0.303 |
| 1193 | 0.309474 |
| 1194 | 0.328 |
| 1195 | 0.333 |
| 1196 | 0.34 |
| 1197 | 0.344444 |
| 1198 | 0.345 |
| 1199 | 0.36 |
| 1200 | 0.39 |
| 1201 | 0.398 |
| 1202 | 0.42 |
| 1203 | 0.422857 |
| 1204 | 0.426 |
| 1205 | 0.462385 |
| 1206 | 0.500917 |
| 1207 | 0.519 |
| 1208 | 0.555 |
| 1209 | 0.577 |
| 1210 | 0.577273 |
| 1211 | 0.58 |
| 1212 | 0.691333 |
| 1213 | 0.75475 |
| 1214 | 0.903714 |
| 1215 | 0.943 |
| 1216 | 0.99 |
| 1217 | 1.0325 |
| 1218 | 1.13 |
| 1219 | 1.2406 |
| 1220 | 1.50875 |

| | |
|---|---|
| 1221 | 1.50875 |
| 1222 | 2.08567 |
| 1223 | 3.0145 |
| 1224 | 6.55 |

Sen's Estimator (Median Q) is -0.00195806

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.31 | 2 |
| 2 | 1.3 | 2 |
| 3 | 0.8 | 2 |
| 4 | 0.94 | 2 |
| 5 | 0.849 | 2 |
| 6 | 0.825 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |

| | |
|---|---|
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 1 time periods with multiple data

---

A = 108
B = 18
C = 0
D = 0
E = 12
F = 2
a = 257250
b = 1.0584e+06
c = 4900
Group Variance = 14284.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 196.59
M1 = (1224 - 196.59)/2.0 = 513.705
M2 = (1224 + 196.59)/2.0 + 1 = 711.295
Lower limit is -0.00686364 = Q(514)
Upper limit is 0.002225 = Q(711)
-0.00686364 < 0 < 0.002225 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: GD 12
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.21 (5/8/2013) | 0.25 (3/12/2013) | (0.21 - 0.25)/(2 - 1) | -0.04 |
| ND<0.1 U (9/23/2013) | 0.25 (3/12/2013) | (0.1 - 0.25)/(3 - 1) | -0.075 |
| 0.22 (12/10/2013) | 0.25 (3/12/2013) | (0.22 - 0.25)/(4 - 1) | -0.01 |
| 0.31 (2/6/2014) | 0.25 (3/12/2013) | (0.31 - 0.25)/(5 - 1) | 0.015 |
| 0.11 (6/26/2014) | 0.25 (3/12/2013) | (0.11 - 0.25)/(6 - 1) | -0.028 |
| ND<0.1 U (9/30/2014) | 0.25 (3/12/2013) | (0.1 - 0.25)/(7 - 1) | -0.025 |
| 0.28 (11/19/2014) | 0.25 (3/12/2013) | (0.28 - 0.25)/(8 - 1) | 0.00428571 |
| 0.24 (3/23/2015) | 0.25 (3/12/2013) | (0.24 - 0.25)/(9 - 1) | -0.00125 |
| 0.25 (4/22/2015) | 0.25 (3/12/2013) | (0.25 - 0.25)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | 0.25 (3/12/2013) | (0.1 - 0.25)/(11 - 1) | -0.015 |
| 0.28 (11/19/2015) | 0.25 (3/12/2013) | (0.28 - 0.25)/(12 - 1) | 0.00272727 |
| 0.25 (3/15/2016) | 0.25 (3/12/2013) | (0.25 - 0.25)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | 0.25 (3/12/2013) | (0.1 - 0.25)/(14 - 1) | -0.0115385 |
| ND<0.1 U (8/9/2016) | 0.25 (3/12/2013) | (0.1 - 0.25)/(15 - 1) | -0.0107143 |
| 0.14 (12/7/2016) | 0.25 (3/12/2013) | (0.14 - 0.25)/(16 - 1) | -0.00733333 |
| 0.22 (3/2/2017) | 0.25 (3/12/2013) | (0.22 - 0.25)/(17 - 1) | -0.001875 |
| ND<0.1 U (6/21/2017) | 0.25 (3/12/2013) | (0.1 - 0.25)/(18 - 1) | -0.00882353 |
| ND<0.1 U (8/17/2017) | 0.25 (3/12/2013) | (0.1 - 0.25)/(19 - 1) | -0.00833333 |
| 0.2 (10/26/2017) | 0.25 (3/12/2013) | (0.2 - 0.25)/(20 - 1) | -0.00263158 |
| 0.356 (3/27/2018) | 0.25 (3/12/2013) | (0.356 - 0.25)/(21 - 1) | 0.0053 |
| 0.102 (6/26/2018) | 0.25 (3/12/2013) | (0.102 - 0.25)/(22 - 1) | -0.00704762 |
| 0.108 (8/1/2018) | 0.25 (3/12/2013) | (0.108 - 0.25)/(23 - 1) | -0.00645455 |
| 0.313 (12/11/2018) | 0.25 (3/12/2013) | (0.313 - 0.25)/(24 - 1) | 0.00273913 |
| 0.257 (4/17/2019) | 0.25 (3/12/2013) | (0.257 - 0.25)/(25 - 1) | 0.000291667 |
| 0.223 (6/11/2019) | 0.25 (3/12/2013) | (0.223 - 0.25)/(26 - 1) | -0.00108 |
| ND<0.1 U (8/28/2019) | 0.25 (3/12/2013) | (0.1 - 0.25)/(27 - 1) | -0.00576923 |
| 0.197 (10/28/2019) | 0.25 (3/12/2013) | (0.197 - 0.25)/(28 - 1) | -0.00196296 |
| 0.177 (3/31/2020) | 0.25 (3/12/2013) | (0.177 - 0.25)/(29 - 1) | -0.00260714 |
| ND<0.1 U (6/10/2020) | 0.25 (3/12/2013) | (0.1 - 0.25)/(30 - 1) | -0.00517241 |
| ND<0.1 U (6/10/2020) | 0.25 (3/12/2013) | (0.1 - 0.25)/(30 - 1) | -0.00517241 |
| 0.103 (9/21/2020) | 0.25 (3/12/2013) | (0.103 - 0.25)/(31 - 1) | -0.0049 |
| 0.268 (12/17/2020) | 0.25 (3/12/2013) | (0.268 - 0.25)/(32 - 1) | 0.000580645 |
| 0.163 (3/18/2021) | 0.25 (3/12/2013) | (0.163 - 0.25)/(33 - 1) | -0.00271875 |
| 7.26 (5/5/2021) | 0.25 (3/12/2013) | (7.26 - 0.25)/(34 - 1) | 0.212424 |
| 0.245 (9/2/2021) | 0.25 (3/12/2013) | (0.245 - 0.25)/(35 - 1) | -0.000147059 |
| ND<0.1 U (11/23/2021) | 0.25 (3/12/2013) | (0.1 - 0.25)/(36 - 1) | -0.00428571 |
| 0.23 (1/10/2022) | 0.25 (3/12/2013) | (0.23 - 0.25)/(37 - 1) | -0.000555556 |
| 0.177 (4/7/2022) | 0.25 (3/12/2013) | (0.177 - 0.25)/(38 - 1) | -0.00197297 |
| ND<0.1 U (8/3/2022) | 0.25 (3/12/2013) | (0.1 - 0.25)/(39 - 1) | -0.00394737 |
| ND<0.1 U (11/16/2022) | 0.25 (3/12/2013) | (0.1 - 0.25)/(40 - 1) | -0.00384615 |
| 0.277 (2/13/2023) | 0.25 (3/12/2013) | (0.277 - 0.25)/(41 - 1) | 0.000675 |
| 0.293 (5/24/2023) | 0.25 (3/12/2013) | (0.293 - 0.25)/(42 - 1) | 0.00104878 |
| ND<0.1 U (8/7/2023) | 0.25 (3/12/2013) | (0.1 - 0.25)/(43 - 1) | -0.00357143 |
| 0.164 (12/12/2023) | 0.25 (3/12/2013) | (0.164 - 0.25)/(44 - 1) | -0.002 |
| 0.389 (1/10/2024) | 0.25 (3/12/2013) | (0.389 - 0.25)/(45 - 1) | 0.00315909 |
| 0.102 (5/20/2024) | 0.25 (3/12/2013) | (0.102 - 0.25)/(46 - 1) | -0.00328889 |
| ND<0.05 U (9/16/2024) | 0.25 (3/12/2013) | (0.05 - 0.25)/(47 - 1) | -0.00434783 |
| 0.205 (12/11/2024) | 0.25 (3/12/2013) | (0.205 - 0.25)/(48 - 1) | -0.000957447 |

| | | | |
|---|---|---|---|
| 0.345 (2/18/2025) | 0.25 (3/12/2013) | (0.345 - 0.25)/(49 - 1) | 0.00197917 |
| | | | |
| ND<0.1 U (9/23/2013) | 0.21 (5/8/2013) | (0.1 - 0.21)/(3 - 2) | -0.11 |
| 0.22 (12/10/2013) | 0.21 (5/8/2013) | (0.22 - 0.21)/(4 - 2) | 0.005 |
| 0.31 (2/6/2014) | 0.21 (5/8/2013) | (0.31 - 0.21)/(5 - 2) | 0.0333333 |
| 0.11 (6/26/2014) | 0.21 (5/8/2013) | (0.11 - 0.21)/(6 - 2) | -0.025 |
| ND<0.1 U (9/30/2014) | 0.21 (5/8/2013) | (0.1 - 0.21)/(7 - 2) | -0.022 |
| 0.28 (11/19/2014) | 0.21 (5/8/2013) | (0.28 - 0.21)/(8 - 2) | 0.0116667 |
| 0.24 (3/23/2015) | 0.21 (5/8/2013) | (0.24 - 0.21)/(9 - 2) | 0.00428571 |
| 0.25 (4/22/2015) | 0.21 (5/8/2013) | (0.25 - 0.21)/(10 - 2) | 0.005 |
| ND<0.1 U (9/30/2015) | 0.21 (5/8/2013) | (0.1 - 0.21)/(11 - 2) | -0.0122222 |
| 0.28 (11/19/2015) | 0.21 (5/8/2013) | (0.28 - 0.21)/(12 - 2) | 0.007 |
| 0.25 (3/15/2016) | 0.21 (5/8/2013) | (0.25 - 0.21)/(13 - 2) | 0.00363636 |
| ND<0.1 U (6/29/2016) | 0.21 (5/8/2013) | (0.1 - 0.21)/(14 - 2) | -0.00916667 |
| ND<0.1 U (8/9/2016) | 0.21 (5/8/2013) | (0.1 - 0.21)/(15 - 2) | -0.00846154 |
| 0.14 (12/7/2016) | 0.21 (5/8/2013) | (0.14 - 0.21)/(16 - 2) | -0.005 |
| 0.22 (3/2/2017) | 0.21 (5/8/2013) | (0.22 - 0.21)/(17 - 2) | 0.000666667 |
| ND<0.1 U (6/21/2017) | 0.21 (5/8/2013) | (0.1 - 0.21)/(18 - 2) | -0.006875 |
| ND<0.1 U (8/17/2017) | 0.21 (5/8/2013) | (0.1 - 0.21)/(19 - 2) | -0.00647059 |
| 0.2 (10/26/2017) | 0.21 (5/8/2013) | (0.2 - 0.21)/(20 - 2) | -0.000555556 |
| 0.356 (3/27/2018) | 0.21 (5/8/2013) | (0.356 - 0.21)/(21 - 2) | 0.00768421 |
| 0.102 (6/26/2018) | 0.21 (5/8/2013) | (0.102 - 0.21)/(22 - 2) | -0.0054 |
| 0.108 (8/1/2018) | 0.21 (5/8/2013) | (0.108 - 0.21)/(23 - 2) | -0.00485714 |
| 0.313 (12/11/2018) | 0.21 (5/8/2013) | (0.313 - 0.21)/(24 - 2) | 0.00468182 |
| 0.257 (4/17/2019) | 0.21 (5/8/2013) | (0.257 - 0.21)/(25 - 2) | 0.00204348 |
| 0.223 (6/11/2019) | 0.21 (5/8/2013) | (0.223 - 0.21)/(26 - 2) | 0.000541667 |
| ND<0.1 U (8/28/2019) | 0.21 (5/8/2013) | (0.1 - 0.21)/(27 - 2) | -0.0044 |
| 0.197 (10/28/2019) | 0.21 (5/8/2013) | (0.197 - 0.21)/(28 - 2) | -0.0005 |
| 0.177 (3/31/2020) | 0.21 (5/8/2013) | (0.177 - 0.21)/(29 - 2) | -0.00122222 |
| ND<0.1 U (6/10/2020) | 0.21 (5/8/2013) | (0.1 - 0.21)/(30 - 2) | -0.00392857 |
| ND<0.1 U (6/10/2020) | 0.21 (5/8/2013) | (0.1 - 0.21)/(30 - 2) | -0.00392857 |
| 0.103 (9/21/2020) | 0.21 (5/8/2013) | (0.103 - 0.21)/(31 - 2) | -0.00368966 |
| 0.268 (12/17/2020) | 0.21 (5/8/2013) | (0.268 - 0.21)/(32 - 2) | 0.00193333 |
| 0.163 (3/18/2021) | 0.21 (5/8/2013) | (0.163 - 0.21)/(33 - 2) | -0.00151613 |
| 7.26 (5/5/2021) | 0.21 (5/8/2013) | (7.26 - 0.21)/(34 - 2) | 0.220312 |
| 0.245 (9/2/2021) | 0.21 (5/8/2013) | (0.245 - 0.21)/(35 - 2) | 0.00106061 |
| ND<0.1 U (11/23/2021) | 0.21 (5/8/2013) | (0.1 - 0.21)/(36 - 2) | -0.00323529 |
| 0.23 (1/10/2022) | 0.21 (5/8/2013) | (0.23 - 0.21)/(37 - 2) | 0.000571429 |
| 0.177 (4/7/2022) | 0.21 (5/8/2013) | (0.177 - 0.21)/(38 - 2) | -0.000916667 |
| ND<0.1 U (8/3/2022) | 0.21 (5/8/2013) | (0.1 - 0.21)/(39 - 2) | -0.00297297 |
| ND<0.1 U (11/16/2022) | 0.21 (5/8/2013) | (0.1 - 0.21)/(40 - 2) | -0.00289474 |
| 0.277 (2/13/2023) | 0.21 (5/8/2013) | (0.277 - 0.21)/(41 - 2) | 0.00171795 |
| 0.293 (5/24/2023) | 0.21 (5/8/2013) | (0.293 - 0.21)/(42 - 2) | 0.002075 |
| ND<0.1 U (8/7/2023) | 0.21 (5/8/2013) | (0.1 - 0.21)/(43 - 2) | -0.00268293 |
| 0.164 (12/12/2023) | 0.21 (5/8/2013) | (0.164 - 0.21)/(44 - 2) | -0.00109524 |
| 0.389 (1/10/2024) | 0.21 (5/8/2013) | (0.389 - 0.21)/(45 - 2) | 0.00416279 |
| 0.102 (5/20/2024) | 0.21 (5/8/2013) | (0.102 - 0.21)/(46 - 2) | -0.00245455 |
| ND<0.05 U (9/16/2024) | 0.21 (5/8/2013) | (0.05 - 0.21)/(47 - 2) | -0.00355556 |
| 0.205 (12/11/2024) | 0.21 (5/8/2013) | (0.205 - 0.21)/(48 - 2) | -0.000108696 |
| 0.345 (2/18/2025) | 0.21 (5/8/2013) | (0.345 - 0.21)/(49 - 2) | 0.00287234 |
| | | | |
| 0.22 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(4 - 3) | 0.12 |
| 0.31 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.31 - 0.1)/(5 - 3) | 0.105 |
| 0.11 (6/26/2014) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(6 - 3) | 0.00333333 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.28 - 0.1)/(8 - 3) | 0.036 |
| 0.24 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(9 - 3) | 0.0233333 |

| | | | |
|---|---|---|---|
| 0.25 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(10 - 3) | 0.0214286 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |
| 0.28 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.28 - 0.1)/(12 - 3) | 0.02 |
| 0.25 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(13 - 3) | 0.015 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.14 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(16 - 3) | 0.00307692 |
| 0.22 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(17 - 3) | 0.00857143 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| 0.2 (10/26/2017) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(20 - 3) | 0.00588235 |
| 0.356 (3/27/2018) | ND<0.1 U (9/23/2013) | (0.356 - 0.1)/(21 - 3) | 0.0142222 |
| 0.102 (6/26/2018) | ND<0.1 U (9/23/2013) | (0.102 - 0.1)/(22 - 3) | 0.000105263 |
| 0.108 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(23 - 3) | 0.0004 |
| 0.313 (12/11/2018) | ND<0.1 U (9/23/2013) | (0.313 - 0.1)/(24 - 3) | 0.0101429 |
| 0.257 (4/17/2019) | ND<0.1 U (9/23/2013) | (0.257 - 0.1)/(25 - 3) | 0.00713636 |
| 0.223 (6/11/2019) | ND<0.1 U (9/23/2013) | (0.223 - 0.1)/(26 - 3) | 0.00534783 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (9/23/2013) | (0.197 - 0.1)/(28 - 3) | 0.00388 |
| 0.177 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.177 - 0.1)/(29 - 3) | 0.00296154 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (9/23/2013) | (0.103 - 0.1)/(31 - 3) | 0.000107143 |
| 0.268 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.268 - 0.1)/(32 - 3) | 0.0057931 |
| 0.163 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.163 - 0.1)/(33 - 3) | 0.0021 |
| 7.26 (5/5/2021) | ND<0.1 U (9/23/2013) | (7.26 - 0.1)/(34 - 3) | 0.230968 |
| 0.245 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.245 - 0.1)/(35 - 3) | 0.00453125 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (9/23/2013) | (0.23 - 0.1)/(37 - 3) | 0.00382353 |
| 0.177 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.177 - 0.1)/(38 - 3) | 0.0022 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (9/23/2013) | (0.277 - 0.1)/(41 - 3) | 0.00465789 |
| 0.293 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.293 - 0.1)/(42 - 3) | 0.00494872 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.164 - 0.1)/(44 - 3) | 0.00156098 |
| 0.389 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.389 - 0.1)/(45 - 3) | 0.00688095 |
| 0.102 (5/20/2024) | ND<0.1 U (9/23/2013) | (0.102 - 0.1)/(46 - 3) | 4.65116e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.205 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.205 - 0.1)/(48 - 3) | 0.00233333 |
| 0.345 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.345 - 0.1)/(49 - 3) | 0.00532609 |

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|---|---|---|---|
| 0.31 (2/6/2014) | 0.22 (12/10/2013) | (0.31 - 0.22)/(5 - 4) | 0.09 |
| 0.11 (6/26/2014) | 0.22 (12/10/2013) | (0.11 - 0.22)/(6 - 4) | -0.055 |
| ND<0.1 U (9/30/2014) | 0.22 (12/10/2013) | (0.1 - 0.22)/(7 - 4) | -0.04 |
| 0.28 (11/19/2014) | 0.22 (12/10/2013) | (0.28 - 0.22)/(8 - 4) | 0.015 |
| 0.24 (3/23/2015) | 0.22 (12/10/2013) | (0.24 - 0.22)/(9 - 4) | 0.004 |
| 0.25 (4/22/2015) | 0.22 (12/10/2013) | (0.25 - 0.22)/(10 - 4) | 0.005 |
| ND<0.1 U (9/30/2015) | 0.22 (12/10/2013) | (0.1 - 0.22)/(11 - 4) | -0.0171429 |
| 0.28 (11/19/2015) | 0.22 (12/10/2013) | (0.28 - 0.22)/(12 - 4) | 0.0075 |
| 0.25 (3/15/2016) | 0.22 (12/10/2013) | (0.25 - 0.22)/(13 - 4) | 0.00333333 |
| ND<0.1 U (6/29/2016) | 0.22 (12/10/2013) | (0.1 - 0.22)/(14 - 4) | -0.012 |
| ND<0.1 U (8/9/2016) | 0.22 (12/10/2013) | (0.1 - 0.22)/(15 - 4) | -0.0109091 |
| 0.14 (12/7/2016) | 0.22 (12/10/2013) | (0.14 - 0.22)/(16 - 4) | -0.00666667 |
| 0.22 (3/2/2017) | 0.22 (12/10/2013) | (0.22 - 0.22)/(17 - 4) | 0 |
| ND<0.1 U (6/21/2017) | 0.22 (12/10/2013) | (0.1 - 0.22)/(18 - 4) | -0.00857143 |
| ND<0.1 U (8/17/2017) | 0.22 (12/10/2013) | (0.1 - 0.22)/(19 - 4) | -0.008 |

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|---|---|---|---|
| 0.2 (10/26/2017) | 0.22 (12/10/2013) | (0.2 - 0.22)/(20 - 4) | -0.00125 |
| 0.356 (3/27/2018) | 0.22 (12/10/2013) | (0.356 - 0.22)/(21 - 4) | 0.008 |
| 0.102 (6/26/2018) | 0.22 (12/10/2013) | (0.102 - 0.22)/(22 - 4) | -0.00655556 |
| 0.108 (8/1/2018) | 0.22 (12/10/2013) | (0.108 - 0.22)/(23 - 4) | -0.00589474 |
| 0.313 (12/11/2018) | 0.22 (12/10/2013) | (0.313 - 0.22)/(24 - 4) | 0.00465 |
| 0.257 (4/17/2019) | 0.22 (12/10/2013) | (0.257 - 0.22)/(25 - 4) | 0.0017619 |
| 0.223 (6/11/2019) | 0.22 (12/10/2013) | (0.223 - 0.22)/(26 - 4) | 0.000136364 |
| ND<0.1 U (8/28/2019) | 0.22 (12/10/2013) | (0.1 - 0.22)/(27 - 4) | -0.00521739 |
| 0.197 (10/28/2019) | 0.22 (12/10/2013) | (0.197 - 0.22)/(28 - 4) | -0.000958333 |
| 0.177 (3/31/2020) | 0.22 (12/10/2013) | (0.177 - 0.22)/(29 - 4) | -0.00172 |
| ND<0.1 U (6/10/2020) | 0.22 (12/10/2013) | (0.1 - 0.22)/(30 - 4) | -0.00461538 |
| ND<0.1 U (6/10/2020) | 0.22 (12/10/2013) | (0.1 - 0.22)/(30 - 4) | -0.00461538 |
| 0.103 (9/21/2020) | 0.22 (12/10/2013) | (0.103 - 0.22)/(31 - 4) | -0.00433333 |
| 0.268 (12/17/2020) | 0.22 (12/10/2013) | (0.268 - 0.22)/(32 - 4) | 0.00171429 |
| 0.163 (3/18/2021) | 0.22 (12/10/2013) | (0.163 - 0.22)/(33 - 4) | -0.00196552 |
| 7.26 (5/5/2021) | 0.22 (12/10/2013) | (7.26 - 0.22)/(34 - 4) | 0.234667 |
| 0.245 (9/2/2021) | 0.22 (12/10/2013) | (0.245 - 0.22)/(35 - 4) | 0.000806452 |
| ND<0.1 U (11/23/2021) | 0.22 (12/10/2013) | (0.1 - 0.22)/(36 - 4) | -0.00375 |
| 0.23 (1/10/2022) | 0.22 (12/10/2013) | (0.23 - 0.22)/(37 - 4) | 0.00030303 |
| 0.177 (4/7/2022) | 0.22 (12/10/2013) | (0.177 - 0.22)/(38 - 4) | -0.00126471 |
| ND<0.1 U (8/3/2022) | 0.22 (12/10/2013) | (0.1 - 0.22)/(39 - 4) | -0.00342857 |
| ND<0.1 U (11/16/2022) | 0.22 (12/10/2013) | (0.1 - 0.22)/(40 - 4) | -0.00333333 |
| 0.277 (2/13/2023) | 0.22 (12/10/2013) | (0.277 - 0.22)/(41 - 4) | 0.00154054 |
| 0.293 (5/24/2023) | 0.22 (12/10/2013) | (0.293 - 0.22)/(42 - 4) | 0.00192105 |
| ND<0.1 U (8/7/2023) | 0.22 (12/10/2013) | (0.1 - 0.22)/(43 - 4) | -0.00307692 |
| 0.164 (12/12/2023) | 0.22 (12/10/2013) | (0.164 - 0.22)/(44 - 4) | -0.0014 |
| 0.389 (1/10/2024) | 0.22 (12/10/2013) | (0.389 - 0.22)/(45 - 4) | 0.00412195 |
| 0.102 (5/20/2024) | 0.22 (12/10/2013) | (0.102 - 0.22)/(46 - 4) | -0.00280952 |
| ND<0.05 U (9/16/2024) | 0.22 (12/10/2013) | (0.05 - 0.22)/(47 - 4) | -0.00395349 |
| 0.205 (12/11/2024) | 0.22 (12/10/2013) | (0.205 - 0.22)/(48 - 4) | -0.000340909 |
| 0.345 (2/18/2025) | 0.22 (12/10/2013) | (0.345 - 0.22)/(49 - 4) | 0.00277778 |

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|---|---|---|---|
| 0.11 (6/26/2014) | 0.31 (2/6/2014) | (0.11 - 0.31)/(6 - 5) | -0.2 |
| ND<0.1 U (9/30/2014) | 0.31 (2/6/2014) | (0.1 - 0.31)/(7 - 5) | -0.105 |
| 0.28 (11/19/2014) | 0.31 (2/6/2014) | (0.28 - 0.31)/(8 - 5) | -0.01 |
| 0.24 (3/23/2015) | 0.31 (2/6/2014) | (0.24 - 0.31)/(9 - 5) | -0.0175 |
| 0.25 (4/22/2015) | 0.31 (2/6/2014) | (0.25 - 0.31)/(10 - 5) | -0.012 |
| ND<0.1 U (9/30/2015) | 0.31 (2/6/2014) | (0.1 - 0.31)/(11 - 5) | -0.035 |
| 0.28 (11/19/2015) | 0.31 (2/6/2014) | (0.28 - 0.31)/(12 - 5) | -0.00428571 |
| 0.25 (3/15/2016) | 0.31 (2/6/2014) | (0.25 - 0.31)/(13 - 5) | -0.0075 |
| ND<0.1 U (6/29/2016) | 0.31 (2/6/2014) | (0.1 - 0.31)/(14 - 5) | -0.0233333 |
| ND<0.1 U (8/9/2016) | 0.31 (2/6/2014) | (0.1 - 0.31)/(15 - 5) | -0.021 |
| 0.14 (12/7/2016) | 0.31 (2/6/2014) | (0.14 - 0.31)/(16 - 5) | -0.0154545 |
| 0.22 (3/2/2017) | 0.31 (2/6/2014) | (0.22 - 0.31)/(17 - 5) | -0.0075 |
| ND<0.1 U (6/21/2017) | 0.31 (2/6/2014) | (0.1 - 0.31)/(18 - 5) | -0.0161538 |
| ND<0.1 U (8/17/2017) | 0.31 (2/6/2014) | (0.1 - 0.31)/(19 - 5) | -0.015 |
| 0.2 (10/26/2017) | 0.31 (2/6/2014) | (0.2 - 0.31)/(20 - 5) | -0.00733333 |
| 0.356 (3/27/2018) | 0.31 (2/6/2014) | (0.356 - 0.31)/(21 - 5) | 0.002875 |
| 0.102 (6/26/2018) | 0.31 (2/6/2014) | (0.102 - 0.31)/(22 - 5) | -0.0122353 |
| 0.108 (8/1/2018) | 0.31 (2/6/2014) | (0.108 - 0.31)/(23 - 5) | -0.0112222 |
| 0.313 (12/11/2018) | 0.31 (2/6/2014) | (0.313 - 0.31)/(24 - 5) | 0.000157895 |
| 0.257 (4/17/2019) | 0.31 (2/6/2014) | (0.257 - 0.31)/(25 - 5) | -0.00265 |
| 0.223 (6/11/2019) | 0.31 (2/6/2014) | (0.223 - 0.31)/(26 - 5) | -0.00414286 |
| ND<0.1 U (8/28/2019) | 0.31 (2/6/2014) | (0.1 - 0.31)/(27 - 5) | -0.00954545 |
| 0.197 (10/28/2019) | 0.31 (2/6/2014) | (0.197 - 0.31)/(28 - 5) | -0.00491304 |
| 0.177 (3/31/2020) | 0.31 (2/6/2014) | (0.177 - 0.31)/(29 - 5) | -0.00554167 |
| ND<0.1 U (6/10/2020) | 0.31 (2/6/2014) | (0.1 - 0.31)/(30 - 5) | -0.0084 |

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|---|---|---|---|
| ND<0.1 U (6/10/2020) | 0.31 (2/6/2014) | (0.1 - 0.31)/(30 - 5) | -0.0084 |
| 0.103 (9/21/2020) | 0.31 (2/6/2014) | (0.103 - 0.31)/(31 - 5) | -0.00796154 |
| 0.268 (12/17/2020) | 0.31 (2/6/2014) | (0.268 - 0.31)/(32 - 5) | -0.00155556 |
| 0.163 (3/18/2021) | 0.31 (2/6/2014) | (0.163 - 0.31)/(33 - 5) | -0.00525 |
| 7.26 (5/5/2021) | 0.31 (2/6/2014) | (7.26 - 0.31)/(34 - 5) | 0.239655 |
| 0.245 (9/2/2021) | 0.31 (2/6/2014) | (0.245 - 0.31)/(35 - 5) | -0.00216667 |
| ND<0.1 U (11/23/2021) | 0.31 (2/6/2014) | (0.1 - 0.31)/(36 - 5) | -0.00677419 |
| 0.23 (1/10/2022) | 0.31 (2/6/2014) | (0.23 - 0.31)/(37 - 5) | -0.0025 |
| 0.177 (4/7/2022) | 0.31 (2/6/2014) | (0.177 - 0.31)/(38 - 5) | -0.0040303 |
| ND<0.1 U (8/3/2022) | 0.31 (2/6/2014) | (0.1 - 0.31)/(39 - 5) | -0.00617647 |
| ND<0.1 U (11/16/2022) | 0.31 (2/6/2014) | (0.1 - 0.31)/(40 - 5) | -0.006 |
| 0.277 (2/13/2023) | 0.31 (2/6/2014) | (0.277 - 0.31)/(41 - 5) | -0.000916667 |
| 0.293 (5/24/2023) | 0.31 (2/6/2014) | (0.293 - 0.31)/(42 - 5) | -0.000459459 |
| ND<0.1 U (8/7/2023) | 0.31 (2/6/2014) | (0.1 - 0.31)/(43 - 5) | -0.00552632 |
| 0.164 (12/12/2023) | 0.31 (2/6/2014) | (0.164 - 0.31)/(44 - 5) | -0.00374359 |
| 0.389 (1/10/2024) | 0.31 (2/6/2014) | (0.389 - 0.31)/(45 - 5) | 0.001975 |
| 0.102 (5/20/2024) | 0.31 (2/6/2014) | (0.102 - 0.31)/(46 - 5) | -0.00507317 |
| ND<0.05 U (9/16/2024) | 0.31 (2/6/2014) | (0.05 - 0.31)/(47 - 5) | -0.00619048 |
| 0.205 (12/11/2024) | 0.31 (2/6/2014) | (0.205 - 0.31)/(48 - 5) | -0.00244186 |
| 0.345 (2/18/2025) | 0.31 (2/6/2014) | (0.345 - 0.31)/(49 - 5) | 0.000795455 |
| | | | |
| ND<0.1 U (9/30/2014) | 0.11 (6/26/2014) | (0.1 - 0.11)/(7 - 6) | -0.01 |
| 0.28 (11/19/2014) | 0.11 (6/26/2014) | (0.28 - 0.11)/(8 - 6) | 0.085 |
| 0.24 (3/23/2015) | 0.11 (6/26/2014) | (0.24 - 0.11)/(9 - 6) | 0.0433333 |
| 0.25 (4/22/2015) | 0.11 (6/26/2014) | (0.25 - 0.11)/(10 - 6) | 0.035 |
| ND<0.1 U (9/30/2015) | 0.11 (6/26/2014) | (0.1 - 0.11)/(11 - 6) | -0.002 |
| 0.28 (11/19/2015) | 0.11 (6/26/2014) | (0.28 - 0.11)/(12 - 6) | 0.0283333 |
| 0.25 (3/15/2016) | 0.11 (6/26/2014) | (0.25 - 0.11)/(13 - 6) | 0.02 |
| ND<0.1 U (6/29/2016) | 0.11 (6/26/2014) | (0.1 - 0.11)/(14 - 6) | -0.00125 |
| ND<0.1 U (8/9/2016) | 0.11 (6/26/2014) | (0.1 - 0.11)/(15 - 6) | -0.00111111 |
| 0.14 (12/7/2016) | 0.11 (6/26/2014) | (0.14 - 0.11)/(16 - 6) | 0.003 |
| 0.22 (3/2/2017) | 0.11 (6/26/2014) | (0.22 - 0.11)/(17 - 6) | 0.01 |
| ND<0.1 U (6/21/2017) | 0.11 (6/26/2014) | (0.1 - 0.11)/(18 - 6) | -0.000833333 |
| ND<0.1 U (8/17/2017) | 0.11 (6/26/2014) | (0.1 - 0.11)/(19 - 6) | -0.000769231 |
| 0.2 (10/26/2017) | 0.11 (6/26/2014) | (0.2 - 0.11)/(20 - 6) | 0.00642857 |
| 0.356 (3/27/2018) | 0.11 (6/26/2014) | (0.356 - 0.11)/(21 - 6) | 0.0164 |
| 0.102 (6/26/2018) | 0.11 (6/26/2014) | (0.102 - 0.11)/(22 - 6) | -0.0005 |
| 0.108 (8/1/2018) | 0.11 (6/26/2014) | (0.108 - 0.11)/(23 - 6) | -0.000117647 |
| 0.313 (12/11/2018) | 0.11 (6/26/2014) | (0.313 - 0.11)/(24 - 6) | 0.0112778 |
| 0.257 (4/17/2019) | 0.11 (6/26/2014) | (0.257 - 0.11)/(25 - 6) | 0.00773684 |
| 0.223 (6/11/2019) | 0.11 (6/26/2014) | (0.223 - 0.11)/(26 - 6) | 0.00565 |
| ND<0.1 U (8/28/2019) | 0.11 (6/26/2014) | (0.1 - 0.11)/(27 - 6) | -0.00047619 |
| 0.197 (10/28/2019) | 0.11 (6/26/2014) | (0.197 - 0.11)/(28 - 6) | 0.00395455 |
| 0.177 (3/31/2020) | 0.11 (6/26/2014) | (0.177 - 0.11)/(29 - 6) | 0.00291304 |
| ND<0.1 U (6/10/2020) | 0.11 (6/26/2014) | (0.1 - 0.11)/(30 - 6) | -0.000416667 |
| ND<0.1 U (6/10/2020) | 0.11 (6/26/2014) | (0.1 - 0.11)/(30 - 6) | -0.000416667 |
| 0.103 (9/21/2020) | 0.11 (6/26/2014) | (0.103 - 0.11)/(31 - 6) | -0.00028 |
| 0.268 (12/17/2020) | 0.11 (6/26/2014) | (0.268 - 0.11)/(32 - 6) | 0.00607692 |
| 0.163 (3/18/2021) | 0.11 (6/26/2014) | (0.163 - 0.11)/(33 - 6) | 0.00196296 |
| 7.26 (5/5/2021) | 0.11 (6/26/2014) | (7.26 - 0.11)/(34 - 6) | 0.255357 |
| 0.245 (9/2/2021) | 0.11 (6/26/2014) | (0.245 - 0.11)/(35 - 6) | 0.00465517 |
| ND<0.1 U (11/23/2021) | 0.11 (6/26/2014) | (0.1 - 0.11)/(36 - 6) | -0.000333333 |
| 0.23 (1/10/2022) | 0.11 (6/26/2014) | (0.23 - 0.11)/(37 - 6) | 0.00387097 |
| 0.177 (4/7/2022) | 0.11 (6/26/2014) | (0.177 - 0.11)/(38 - 6) | 0.00209375 |
| ND<0.1 U (8/3/2022) | 0.11 (6/26/2014) | (0.1 - 0.11)/(39 - 6) | -0.00030303 |
| ND<0.1 U (11/16/2022) | 0.11 (6/26/2014) | (0.1 - 0.11)/(40 - 6) | -0.000294118 |
| 0.277 (2/13/2023) | 0.11 (6/26/2014) | (0.277 - 0.11)/(41 - 6) | 0.00477143 |

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|---|---|---|---|
| 0.293 (5/24/2023) | 0.11 (6/26/2014) | (0.293 - 0.11)/(42 - 6) | 0.00508333 |
| ND<0.1 U (8/7/2023) | 0.11 (6/26/2014) | (0.1 - 0.11)/(43 - 6) | -0.00027027 |
| 0.164 (12/12/2023) | 0.11 (6/26/2014) | (0.164 - 0.11)/(44 - 6) | 0.00142105 |
| 0.389 (1/10/2024) | 0.11 (6/26/2014) | (0.389 - 0.11)/(45 - 6) | 0.00715385 |
| 0.102 (5/20/2024) | 0.11 (6/26/2014) | (0.102 - 0.11)/(46 - 6) | -0.0002 |
| ND<0.05 U (9/16/2024) | 0.11 (6/26/2014) | (0.05 - 0.11)/(47 - 6) | -0.00146341 |
| 0.205 (12/11/2024) | 0.11 (6/26/2014) | (0.205 - 0.11)/(48 - 6) | 0.0022619 |
| 0.345 (2/18/2025) | 0.11 (6/26/2014) | (0.345 - 0.11)/(49 - 6) | 0.00546512 |
| | | | |
| 0.28 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.28 - 0.1)/(8 - 7) | 0.18 |
| 0.24 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.24 - 0.1)/(9 - 7) | 0.07 |
| 0.25 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.25 - 0.1)/(10 - 7) | 0.05 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.28 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.28 - 0.1)/(12 - 7) | 0.036 |
| 0.25 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.25 - 0.1)/(13 - 7) | 0.025 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.14 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.14 - 0.1)/(16 - 7) | 0.00444444 |
| 0.22 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(17 - 7) | 0.012 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| 0.2 (10/26/2017) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(20 - 7) | 0.00769231 |
| 0.356 (3/27/2018) | ND<0.1 U (9/30/2014) | (0.356 - 0.1)/(21 - 7) | 0.0182857 |
| 0.102 (6/26/2018) | ND<0.1 U (9/30/2014) | (0.102 - 0.1)/(22 - 7) | 0.000133333 |
| 0.108 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(23 - 7) | 0.0005 |
| 0.313 (12/11/2018) | ND<0.1 U (9/30/2014) | (0.313 - 0.1)/(24 - 7) | 0.0125294 |
| 0.257 (4/17/2019) | ND<0.1 U (9/30/2014) | (0.257 - 0.1)/(25 - 7) | 0.00872222 |
| 0.223 (6/11/2019) | ND<0.1 U (9/30/2014) | (0.223 - 0.1)/(26 - 7) | 0.00647368 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.197 - 0.1)/(28 - 7) | 0.00461905 |
| 0.177 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.177 - 0.1)/(29 - 7) | 0.0035 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (9/30/2014) | (0.103 - 0.1)/(31 - 7) | 0.000125 |
| 0.268 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.268 - 0.1)/(32 - 7) | 0.00672 |
| 0.163 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.163 - 0.1)/(33 - 7) | 0.00242308 |
| 7.26 (5/5/2021) | ND<0.1 U (9/30/2014) | (7.26 - 0.1)/(34 - 7) | 0.265185 |
| 0.245 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.245 - 0.1)/(35 - 7) | 0.00517857 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.23 - 0.1)/(37 - 7) | 0.00433333 |
| 0.177 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.177 - 0.1)/(38 - 7) | 0.00248387 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (9/30/2014) | (0.277 - 0.1)/(41 - 7) | 0.00520588 |
| 0.293 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.293 - 0.1)/(42 - 7) | 0.00551429 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.164 - 0.1)/(44 - 7) | 0.00172973 |
| 0.389 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.389 - 0.1)/(45 - 7) | 0.00760526 |
| 0.102 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.102 - 0.1)/(46 - 7) | 5.12821e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.205 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.205 - 0.1)/(48 - 7) | 0.00256098 |
| 0.345 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.345 - 0.1)/(49 - 7) | 0.00583333 |
| | | | |
| 0.24 (3/23/2015) | 0.28 (11/19/2014) | (0.24 - 0.28)/(9 - 8) | -0.04 |
| 0.25 (4/22/2015) | 0.28 (11/19/2014) | (0.25 - 0.28)/(10 - 8) | -0.015 |
| ND<0.1 U (9/30/2015) | 0.28 (11/19/2014) | (0.1 - 0.28)/(11 - 8) | -0.06 |
| 0.28 (11/19/2015) | 0.28 (11/19/2014) | (0.28 - 0.28)/(12 - 8) | 0 |

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|---|---|---|---|
| 0.25 (3/15/2016) | 0.28 (11/19/2014) | (0.25 - 0.28)/(13 - 8) | -0.006 |
| ND<0.1 U (6/29/2016) | 0.28 (11/19/2014) | (0.1 - 0.28)/(14 - 8) | -0.03 |
| ND<0.1 U (8/9/2016) | 0.28 (11/19/2014) | (0.1 - 0.28)/(15 - 8) | -0.0257143 |
| 0.14 (12/7/2016) | 0.28 (11/19/2014) | (0.14 - 0.28)/(16 - 8) | -0.0175 |
| 0.22 (3/2/2017) | 0.28 (11/19/2014) | (0.22 - 0.28)/(17 - 8) | -0.00666667 |
| ND<0.1 U (6/21/2017) | 0.28 (11/19/2014) | (0.1 - 0.28)/(18 - 8) | -0.018 |
| ND<0.1 U (8/17/2017) | 0.28 (11/19/2014) | (0.1 - 0.28)/(19 - 8) | -0.0163636 |
| 0.2 (10/26/2017) | 0.28 (11/19/2014) | (0.2 - 0.28)/(20 - 8) | -0.00666667 |
| 0.356 (3/27/2018) | 0.28 (11/19/2014) | (0.356 - 0.28)/(21 - 8) | 0.00584615 |
| 0.102 (6/26/2018) | 0.28 (11/19/2014) | (0.102 - 0.28)/(22 - 8) | -0.0127143 |
| 0.108 (8/1/2018) | 0.28 (11/19/2014) | (0.108 - 0.28)/(23 - 8) | -0.0114667 |
| 0.313 (12/11/2018) | 0.28 (11/19/2014) | (0.313 - 0.28)/(24 - 8) | 0.0020625 |
| 0.257 (4/17/2019) | 0.28 (11/19/2014) | (0.257 - 0.28)/(25 - 8) | -0.00135294 |
| 0.223 (6/11/2019) | 0.28 (11/19/2014) | (0.223 - 0.28)/(26 - 8) | -0.00316667 |
| ND<0.1 U (8/28/2019) | 0.28 (11/19/2014) | (0.1 - 0.28)/(27 - 8) | -0.00947368 |
| 0.197 (10/28/2019) | 0.28 (11/19/2014) | (0.197 - 0.28)/(28 - 8) | -0.00415 |
| 0.177 (3/31/2020) | 0.28 (11/19/2014) | (0.177 - 0.28)/(29 - 8) | -0.00490476 |
| ND<0.1 U (6/10/2020) | 0.28 (11/19/2014) | (0.1 - 0.28)/(30 - 8) | -0.00818182 |
| ND<0.1 U (6/10/2020) | 0.28 (11/19/2014) | (0.1 - 0.28)/(30 - 8) | -0.00818182 |
| 0.103 (9/21/2020) | 0.28 (11/19/2014) | (0.103 - 0.28)/(31 - 8) | -0.00769565 |
| 0.268 (12/17/2020) | 0.28 (11/19/2014) | (0.268 - 0.28)/(32 - 8) | -0.0005 |
| 0.163 (3/18/2021) | 0.28 (11/19/2014) | (0.163 - 0.28)/(33 - 8) | -0.00468 |
| 7.26 (5/5/2021) | 0.28 (11/19/2014) | (7.26 - 0.28)/(34 - 8) | 0.268462 |
| 0.245 (9/2/2021) | 0.28 (11/19/2014) | (0.245 - 0.28)/(35 - 8) | -0.0012963 |
| ND<0.1 U (11/23/2021) | 0.28 (11/19/2014) | (0.1 - 0.28)/(36 - 8) | -0.00642857 |
| 0.23 (1/10/2022) | 0.28 (11/19/2014) | (0.23 - 0.28)/(37 - 8) | -0.00172414 |
| 0.177 (4/7/2022) | 0.28 (11/19/2014) | (0.177 - 0.28)/(38 - 8) | -0.00343333 |
| ND<0.1 U (8/3/2022) | 0.28 (11/19/2014) | (0.1 - 0.28)/(39 - 8) | -0.00580645 |
| ND<0.1 U (11/16/2022) | 0.28 (11/19/2014) | (0.1 - 0.28)/(40 - 8) | -0.005625 |
| 0.277 (2/13/2023) | 0.28 (11/19/2014) | (0.277 - 0.28)/(41 - 8) | -9.09091e-05 |
| 0.293 (5/24/2023) | 0.28 (11/19/2014) | (0.293 - 0.28)/(42 - 8) | 0.000382353 |
| ND<0.1 U (8/7/2023) | 0.28 (11/19/2014) | (0.1 - 0.28)/(43 - 8) | -0.00514286 |
| 0.164 (12/12/2023) | 0.28 (11/19/2014) | (0.164 - 0.28)/(44 - 8) | -0.00322222 |
| 0.389 (1/10/2024) | 0.28 (11/19/2014) | (0.389 - 0.28)/(45 - 8) | 0.00294595 |
| 0.102 (5/20/2024) | 0.28 (11/19/2014) | (0.102 - 0.28)/(46 - 8) | -0.00468421 |
| ND<0.05 U (9/16/2024) | 0.28 (11/19/2014) | (0.05 - 0.28)/(47 - 8) | -0.00589744 |
| 0.205 (12/11/2024) | 0.28 (11/19/2014) | (0.205 - 0.28)/(48 - 8) | -0.001875 |
| 0.345 (2/18/2025) | 0.28 (11/19/2014) | (0.345 - 0.28)/(49 - 8) | 0.00158537 |
| | | | |
| 0.25 (4/22/2015) | 0.24 (3/23/2015) | (0.25 - 0.24)/(10 - 9) | 0.01 |
| ND<0.1 U (9/30/2015) | 0.24 (3/23/2015) | (0.1 - 0.24)/(11 - 9) | -0.07 |
| 0.28 (11/19/2015) | 0.24 (3/23/2015) | (0.28 - 0.24)/(12 - 9) | 0.0133333 |
| 0.25 (3/15/2016) | 0.24 (3/23/2015) | (0.25 - 0.24)/(13 - 9) | 0.0025 |
| ND<0.1 U (6/29/2016) | 0.24 (3/23/2015) | (0.1 - 0.24)/(14 - 9) | -0.028 |
| ND<0.1 U (8/9/2016) | 0.24 (3/23/2015) | (0.1 - 0.24)/(15 - 9) | -0.0233333 |
| 0.14 (12/7/2016) | 0.24 (3/23/2015) | (0.14 - 0.24)/(16 - 9) | -0.0142857 |
| 0.22 (3/2/2017) | 0.24 (3/23/2015) | (0.22 - 0.24)/(17 - 9) | -0.0025 |
| ND<0.1 U (6/21/2017) | 0.24 (3/23/2015) | (0.1 - 0.24)/(18 - 9) | -0.0155556 |
| ND<0.1 U (8/17/2017) | 0.24 (3/23/2015) | (0.1 - 0.24)/(19 - 9) | -0.014 |
| 0.2 (10/26/2017) | 0.24 (3/23/2015) | (0.2 - 0.24)/(20 - 9) | -0.00363636 |
| 0.356 (3/27/2018) | 0.24 (3/23/2015) | (0.356 - 0.24)/(21 - 9) | 0.00966667 |
| 0.102 (6/26/2018) | 0.24 (3/23/2015) | (0.102 - 0.24)/(22 - 9) | -0.0106154 |
| 0.108 (8/1/2018) | 0.24 (3/23/2015) | (0.108 - 0.24)/(23 - 9) | -0.00942857 |
| 0.313 (12/11/2018) | 0.24 (3/23/2015) | (0.313 - 0.24)/(24 - 9) | 0.00486667 |
| 0.257 (4/17/2019) | 0.24 (3/23/2015) | (0.257 - 0.24)/(25 - 9) | 0.0010625 |
| 0.223 (6/11/2019) | 0.24 (3/23/2015) | (0.223 - 0.24)/(26 - 9) | -0.001 |
| ND<0.1 U (8/28/2019) | 0.24 (3/23/2015) | (0.1 - 0.24)/(27 - 9) | -0.00777778 |

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|---|---|---|---|
| 0.197 (10/28/2019) | 0.24 (3/23/2015) | (0.197 - 0.24)/(28 - 9) | -0.00226316 |
| 0.177 (3/31/2020) | 0.24 (3/23/2015) | (0.177 - 0.24)/(29 - 9) | -0.00315 |
| ND<0.1 U (6/10/2020) | 0.24 (3/23/2015) | (0.1 - 0.24)/(30 - 9) | -0.00666667 |
| ND<0.1 U (6/10/2020) | 0.24 (3/23/2015) | (0.1 - 0.24)/(30 - 9) | -0.00666667 |
| 0.103 (9/21/2020) | 0.24 (3/23/2015) | (0.103 - 0.24)/(31 - 9) | -0.00622727 |
| 0.268 (12/17/2020) | 0.24 (3/23/2015) | (0.268 - 0.24)/(32 - 9) | 0.00121739 |
| 0.163 (3/18/2021) | 0.24 (3/23/2015) | (0.163 - 0.24)/(33 - 9) | -0.00320833 |
| 7.26 (5/5/2021) | 0.24 (3/23/2015) | (7.26 - 0.24)/(34 - 9) | 0.2808 |
| 0.245 (9/2/2021) | 0.24 (3/23/2015) | (0.245 - 0.24)/(35 - 9) | 0.000192308 |
| ND<0.1 U (11/23/2021) | 0.24 (3/23/2015) | (0.1 - 0.24)/(36 - 9) | -0.00518519 |
| 0.23 (1/10/2022) | 0.24 (3/23/2015) | (0.23 - 0.24)/(37 - 9) | -0.000357143 |
| 0.177 (4/7/2022) | 0.24 (3/23/2015) | (0.177 - 0.24)/(38 - 9) | -0.00217241 |
| ND<0.1 U (8/3/2022) | 0.24 (3/23/2015) | (0.1 - 0.24)/(39 - 9) | -0.00466667 |
| ND<0.1 U (11/16/2022) | 0.24 (3/23/2015) | (0.1 - 0.24)/(40 - 9) | -0.00451613 |
| 0.277 (2/13/2023) | 0.24 (3/23/2015) | (0.277 - 0.24)/(41 - 9) | 0.00115625 |
| 0.293 (5/24/2023) | 0.24 (3/23/2015) | (0.293 - 0.24)/(42 - 9) | 0.00160606 |
| ND<0.1 U (8/7/2023) | 0.24 (3/23/2015) | (0.1 - 0.24)/(43 - 9) | -0.00411765 |
| 0.164 (12/12/2023) | 0.24 (3/23/2015) | (0.164 - 0.24)/(44 - 9) | -0.00217143 |
| 0.389 (1/10/2024) | 0.24 (3/23/2015) | (0.389 - 0.24)/(45 - 9) | 0.00413889 |
| 0.102 (5/20/2024) | 0.24 (3/23/2015) | (0.102 - 0.24)/(46 - 9) | -0.00372973 |
| ND<0.05 U (9/16/2024) | 0.24 (3/23/2015) | (0.05 - 0.24)/(47 - 9) | -0.005 |
| 0.205 (12/11/2024) | 0.24 (3/23/2015) | (0.205 - 0.24)/(48 - 9) | -0.000897436 |
| 0.345 (2/18/2025) | 0.24 (3/23/2015) | (0.345 - 0.24)/(49 - 9) | 0.002625 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.25 (4/22/2015) | (0.1 - 0.25)/(11 - 10) | -0.15 |
| 0.28 (11/19/2015) | 0.25 (4/22/2015) | (0.28 - 0.25)/(12 - 10) | 0.015 |
| 0.25 (3/15/2016) | 0.25 (4/22/2015) | (0.25 - 0.25)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | 0.25 (4/22/2015) | (0.1 - 0.25)/(14 - 10) | -0.0375 |
| ND<0.1 U (8/9/2016) | 0.25 (4/22/2015) | (0.1 - 0.25)/(15 - 10) | -0.03 |
| 0.14 (12/7/2016) | 0.25 (4/22/2015) | (0.14 - 0.25)/(16 - 10) | -0.0183333 |
| 0.22 (3/2/2017) | 0.25 (4/22/2015) | (0.22 - 0.25)/(17 - 10) | -0.00428571 |
| ND<0.1 U (6/21/2017) | 0.25 (4/22/2015) | (0.1 - 0.25)/(18 - 10) | -0.01875 |
| ND<0.1 U (8/17/2017) | 0.25 (4/22/2015) | (0.1 - 0.25)/(19 - 10) | -0.0166667 |
| 0.2 (10/26/2017) | 0.25 (4/22/2015) | (0.2 - 0.25)/(20 - 10) | -0.005 |
| 0.356 (3/27/2018) | 0.25 (4/22/2015) | (0.356 - 0.25)/(21 - 10) | 0.00963636 |
| 0.102 (6/26/2018) | 0.25 (4/22/2015) | (0.102 - 0.25)/(22 - 10) | -0.0123333 |
| 0.108 (8/1/2018) | 0.25 (4/22/2015) | (0.108 - 0.25)/(23 - 10) | -0.0109231 |
| 0.313 (12/11/2018) | 0.25 (4/22/2015) | (0.313 - 0.25)/(24 - 10) | 0.0045 |
| 0.257 (4/17/2019) | 0.25 (4/22/2015) | (0.257 - 0.25)/(25 - 10) | 0.000466667 |
| 0.223 (6/11/2019) | 0.25 (4/22/2015) | (0.223 - 0.25)/(26 - 10) | -0.0016875 |
| ND<0.1 U (8/28/2019) | 0.25 (4/22/2015) | (0.1 - 0.25)/(27 - 10) | -0.00882353 |
| 0.197 (10/28/2019) | 0.25 (4/22/2015) | (0.197 - 0.25)/(28 - 10) | -0.00294444 |
| 0.177 (3/31/2020) | 0.25 (4/22/2015) | (0.177 - 0.25)/(29 - 10) | -0.00384211 |
| ND<0.1 U (6/10/2020) | 0.25 (4/22/2015) | (0.1 - 0.25)/(30 - 10) | -0.0075 |
| ND<0.1 U (6/10/2020) | 0.25 (4/22/2015) | (0.1 - 0.25)/(30 - 10) | -0.0075 |
| 0.103 (9/21/2020) | 0.25 (4/22/2015) | (0.103 - 0.25)/(31 - 10) | -0.007 |
| 0.268 (12/17/2020) | 0.25 (4/22/2015) | (0.268 - 0.25)/(32 - 10) | 0.000818182 |
| 0.163 (3/18/2021) | 0.25 (4/22/2015) | (0.163 - 0.25)/(33 - 10) | -0.00378261 |
| 7.26 (5/5/2021) | 0.25 (4/22/2015) | (7.26 - 0.25)/(34 - 10) | 0.292083 |
| 0.245 (9/2/2021) | 0.25 (4/22/2015) | (0.245 - 0.25)/(35 - 10) | -0.0002 |
| ND<0.1 U (11/23/2021) | 0.25 (4/22/2015) | (0.1 - 0.25)/(36 - 10) | -0.00576923 |
| 0.23 (1/10/2022) | 0.25 (4/22/2015) | (0.23 - 0.25)/(37 - 10) | -0.000740741 |
| 0.177 (4/7/2022) | 0.25 (4/22/2015) | (0.177 - 0.25)/(38 - 10) | -0.00260714 |
| ND<0.1 U (8/3/2022) | 0.25 (4/22/2015) | (0.1 - 0.25)/(39 - 10) | -0.00517241 |
| ND<0.1 U (11/16/2022) | 0.25 (4/22/2015) | (0.1 - 0.25)/(40 - 10) | -0.005 |
| 0.277 (2/13/2023) | 0.25 (4/22/2015) | (0.277 - 0.25)/(41 - 10) | 0.000870968 |
| 0.293 (5/24/2023) | 0.25 (4/22/2015) | (0.293 - 0.25)/(42 - 10) | 0.00134375 |

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|---|---|---|---|
| ND<0.1 U (8/7/2023) | 0.25 (4/22/2015) | (0.1 - 0.25)/(43 - 10) | -0.00454545 |
| 0.164 (12/12/2023) | 0.25 (4/22/2015) | (0.164 - 0.25)/(44 - 10) | -0.00252941 |
| 0.389 (1/10/2024) | 0.25 (4/22/2015) | (0.389 - 0.25)/(45 - 10) | 0.00397143 |
| 0.102 (5/20/2024) | 0.25 (4/22/2015) | (0.102 - 0.25)/(46 - 10) | -0.00411111 |
| ND<0.05 U (9/16/2024) | 0.25 (4/22/2015) | (0.05 - 0.25)/(47 - 10) | -0.00540541 |
| 0.205 (12/11/2024) | 0.25 (4/22/2015) | (0.205 - 0.25)/(48 - 10) | -0.00118421 |
| 0.345 (2/18/2025) | 0.25 (4/22/2015) | (0.345 - 0.25)/(49 - 10) | 0.0024359 |
| | | | |
| 0.28 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.28 - 0.1)/(12 - 11) | 0.18 |
| 0.25 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.25 - 0.1)/(13 - 11) | 0.075 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.14 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.14 - 0.1)/(16 - 11) | 0.008 |
| 0.22 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.22 - 0.1)/(17 - 11) | 0.02 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| 0.2 (10/26/2017) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(20 - 11) | 0.0111111 |
| 0.356 (3/27/2018) | ND<0.1 U (9/30/2015) | (0.356 - 0.1)/(21 - 11) | 0.0256 |
| 0.102 (6/26/2018) | ND<0.1 U (9/30/2015) | (0.102 - 0.1)/(22 - 11) | 0.000181818 |
| 0.108 (8/1/2018) | ND<0.1 U (9/30/2015) | (0.108 - 0.1)/(23 - 11) | 0.000666667 |
| 0.313 (12/11/2018) | ND<0.1 U (9/30/2015) | (0.313 - 0.1)/(24 - 11) | 0.0163846 |
| 0.257 (4/17/2019) | ND<0.1 U (9/30/2015) | (0.257 - 0.1)/(25 - 11) | 0.0112143 |
| 0.223 (6/11/2019) | ND<0.1 U (9/30/2015) | (0.223 - 0.1)/(26 - 11) | 0.0082 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (9/30/2015) | (0.197 - 0.1)/(28 - 11) | 0.00570588 |
| 0.177 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.177 - 0.1)/(29 - 11) | 0.00427778 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (9/30/2015) | (0.103 - 0.1)/(31 - 11) | 0.00015 |
| 0.268 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.268 - 0.1)/(32 - 11) | 0.008 |
| 0.163 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.163 - 0.1)/(33 - 11) | 0.00286364 |
| 7.26 (5/5/2021) | ND<0.1 U (9/30/2015) | (7.26 - 0.1)/(34 - 11) | 0.311304 |
| 0.245 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.245 - 0.1)/(35 - 11) | 0.00604167 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (9/30/2015) | (0.23 - 0.1)/(37 - 11) | 0.005 |
| 0.177 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.177 - 0.1)/(38 - 11) | 0.00285185 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (9/30/2015) | (0.277 - 0.1)/(41 - 11) | 0.0059 |
| 0.293 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.293 - 0.1)/(42 - 11) | 0.00622581 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.164 - 0.1)/(44 - 11) | 0.00193939 |
| 0.389 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.389 - 0.1)/(45 - 11) | 0.0085 |
| 0.102 (5/20/2024) | ND<0.1 U (9/30/2015) | (0.102 - 0.1)/(46 - 11) | 5.71429e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.205 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.205 - 0.1)/(48 - 11) | 0.00283784 |
| 0.345 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.345 - 0.1)/(49 - 11) | 0.00644737 |
| | | | |
| 0.25 (3/15/2016) | 0.28 (11/19/2015) | (0.25 - 0.28)/(13 - 12) | -0.03 |
| ND<0.1 U (6/29/2016) | 0.28 (11/19/2015) | (0.1 - 0.28)/(14 - 12) | -0.09 |
| ND<0.1 U (8/9/2016) | 0.28 (11/19/2015) | (0.1 - 0.28)/(15 - 12) | -0.06 |
| 0.14 (12/7/2016) | 0.28 (11/19/2015) | (0.14 - 0.28)/(16 - 12) | -0.035 |
| 0.22 (3/2/2017) | 0.28 (11/19/2015) | (0.22 - 0.28)/(17 - 12) | -0.012 |
| ND<0.1 U (6/21/2017) | 0.28 (11/19/2015) | (0.1 - 0.28)/(18 - 12) | -0.03 |
| ND<0.1 U (8/17/2017) | 0.28 (11/19/2015) | (0.1 - 0.28)/(19 - 12) | -0.0257143 |
| 0.2 (10/26/2017) | 0.28 (11/19/2015) | (0.2 - 0.28)/(20 - 12) | -0.01 |
| 0.356 (3/27/2018) | 0.28 (11/19/2015) | (0.356 - 0.28)/(21 - 12) | 0.00844444 |

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|---|---|---|---|
| 0.102 (6/26/2018) | 0.28 (11/19/2015) | (0.102 - 0.28)/(22 - 12) | -0.0178 |
| 0.108 (8/1/2018) | 0.28 (11/19/2015) | (0.108 - 0.28)/(23 - 12) | -0.0156364 |
| 0.313 (12/11/2018) | 0.28 (11/19/2015) | (0.313 - 0.28)/(24 - 12) | 0.00275 |
| 0.257 (4/17/2019) | 0.28 (11/19/2015) | (0.257 - 0.28)/(25 - 12) | -0.00176923 |
| 0.223 (6/11/2019) | 0.28 (11/19/2015) | (0.223 - 0.28)/(26 - 12) | -0.00407143 |
| ND<0.1 U (8/28/2019) | 0.28 (11/19/2015) | (0.1 - 0.28)/(27 - 12) | -0.012 |
| 0.197 (10/28/2019) | 0.28 (11/19/2015) | (0.197 - 0.28)/(28 - 12) | -0.0051875 |
| 0.177 (3/31/2020) | 0.28 (11/19/2015) | (0.177 - 0.28)/(29 - 12) | -0.00605882 |
| ND<0.1 U (6/10/2020) | 0.28 (11/19/2015) | (0.1 - 0.28)/(30 - 12) | -0.01 |
| ND<0.1 U (6/10/2020) | 0.28 (11/19/2015) | (0.1 - 0.28)/(30 - 12) | -0.01 |
| 0.103 (9/21/2020) | 0.28 (11/19/2015) | (0.103 - 0.28)/(31 - 12) | -0.00931579 |
| 0.268 (12/17/2020) | 0.28 (11/19/2015) | (0.268 - 0.28)/(32 - 12) | -0.0006 |
| 0.163 (3/18/2021) | 0.28 (11/19/2015) | (0.163 - 0.28)/(33 - 12) | -0.00557143 |
| 7.26 (5/5/2021) | 0.28 (11/19/2015) | (7.26 - 0.28)/(34 - 12) | 0.317273 |
| 0.245 (9/2/2021) | 0.28 (11/19/2015) | (0.245 - 0.28)/(35 - 12) | -0.00152174 |
| ND<0.1 U (11/23/2021) | 0.28 (11/19/2015) | (0.1 - 0.28)/(36 - 12) | -0.0075 |
| 0.23 (1/10/2022) | 0.28 (11/19/2015) | (0.23 - 0.28)/(37 - 12) | -0.002 |
| 0.177 (4/7/2022) | 0.28 (11/19/2015) | (0.177 - 0.28)/(38 - 12) | -0.00396154 |
| ND<0.1 U (8/3/2022) | 0.28 (11/19/2015) | (0.1 - 0.28)/(39 - 12) | -0.00666667 |
| ND<0.1 U (11/16/2022) | 0.28 (11/19/2015) | (0.1 - 0.28)/(40 - 12) | -0.00642857 |
| 0.277 (2/13/2023) | 0.28 (11/19/2015) | (0.277 - 0.28)/(41 - 12) | -0.000103448 |
| 0.293 (5/24/2023) | 0.28 (11/19/2015) | (0.293 - 0.28)/(42 - 12) | 0.000433333 |
| ND<0.1 U (8/7/2023) | 0.28 (11/19/2015) | (0.1 - 0.28)/(43 - 12) | -0.00580645 |
| 0.164 (12/12/2023) | 0.28 (11/19/2015) | (0.164 - 0.28)/(44 - 12) | -0.003625 |
| 0.389 (1/10/2024) | 0.28 (11/19/2015) | (0.389 - 0.28)/(45 - 12) | 0.00330303 |
| 0.102 (5/20/2024) | 0.28 (11/19/2015) | (0.102 - 0.28)/(46 - 12) | -0.00523529 |
| ND<0.05 U (9/16/2024) | 0.28 (11/19/2015) | (0.05 - 0.28)/(47 - 12) | -0.00657143 |
| 0.205 (12/11/2024) | 0.28 (11/19/2015) | (0.205 - 0.28)/(48 - 12) | -0.00208333 |
| 0.345 (2/18/2025) | 0.28 (11/19/2015) | (0.345 - 0.28)/(49 - 12) | 0.00175676 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.25 (3/15/2016) | (0.1 - 0.25)/(14 - 13) | -0.15 |
| ND<0.1 U (8/9/2016) | 0.25 (3/15/2016) | (0.1 - 0.25)/(15 - 13) | -0.075 |
| 0.14 (12/7/2016) | 0.25 (3/15/2016) | (0.14 - 0.25)/(16 - 13) | -0.0366667 |
| 0.22 (3/2/2017) | 0.25 (3/15/2016) | (0.22 - 0.25)/(17 - 13) | -0.0075 |
| ND<0.1 U (6/21/2017) | 0.25 (3/15/2016) | (0.1 - 0.25)/(18 - 13) | -0.03 |
| ND<0.1 U (8/17/2017) | 0.25 (3/15/2016) | (0.1 - 0.25)/(19 - 13) | -0.025 |
| 0.2 (10/26/2017) | 0.25 (3/15/2016) | (0.2 - 0.25)/(20 - 13) | -0.00714286 |
| 0.356 (3/27/2018) | 0.25 (3/15/2016) | (0.356 - 0.25)/(21 - 13) | 0.01325 |
| 0.102 (6/26/2018) | 0.25 (3/15/2016) | (0.102 - 0.25)/(22 - 13) | -0.0164444 |
| 0.108 (8/1/2018) | 0.25 (3/15/2016) | (0.108 - 0.25)/(23 - 13) | -0.0142 |
| 0.313 (12/11/2018) | 0.25 (3/15/2016) | (0.313 - 0.25)/(24 - 13) | 0.00572727 |
| 0.257 (4/17/2019) | 0.25 (3/15/2016) | (0.257 - 0.25)/(25 - 13) | 0.000583333 |
| 0.223 (6/11/2019) | 0.25 (3/15/2016) | (0.223 - 0.25)/(26 - 13) | -0.00207692 |
| ND<0.1 U (8/28/2019) | 0.25 (3/15/2016) | (0.1 - 0.25)/(27 - 13) | -0.0107143 |
| 0.197 (10/28/2019) | 0.25 (3/15/2016) | (0.197 - 0.25)/(28 - 13) | -0.00353333 |
| 0.177 (3/31/2020) | 0.25 (3/15/2016) | (0.177 - 0.25)/(29 - 13) | -0.0045625 |
| ND<0.1 U (6/10/2020) | 0.25 (3/15/2016) | (0.1 - 0.25)/(30 - 13) | -0.00882353 |
| ND<0.1 U (6/10/2020) | 0.25 (3/15/2016) | (0.1 - 0.25)/(30 - 13) | -0.00882353 |
| 0.103 (9/21/2020) | 0.25 (3/15/2016) | (0.103 - 0.25)/(31 - 13) | -0.00816667 |
| 0.268 (12/17/2020) | 0.25 (3/15/2016) | (0.268 - 0.25)/(32 - 13) | 0.000947368 |
| 0.163 (3/18/2021) | 0.25 (3/15/2016) | (0.163 - 0.25)/(33 - 13) | -0.00435 |
| 7.26 (5/5/2021) | 0.25 (3/15/2016) | (7.26 - 0.25)/(34 - 13) | 0.33381 |
| 0.245 (9/2/2021) | 0.25 (3/15/2016) | (0.245 - 0.25)/(35 - 13) | -0.000227273 |
| ND<0.1 U (11/23/2021) | 0.25 (3/15/2016) | (0.1 - 0.25)/(36 - 13) | -0.00652174 |
| 0.23 (1/10/2022) | 0.25 (3/15/2016) | (0.23 - 0.25)/(37 - 13) | -0.000833333 |
| 0.177 (4/7/2022) | 0.25 (3/15/2016) | (0.177 - 0.25)/(38 - 13) | -0.00292 |
| ND<0.1 U (8/3/2022) | 0.25 (3/15/2016) | (0.1 - 0.25)/(39 - 13) | -0.00576923 |

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|---|---|---|---|
| ND<0.1 U (11/16/2022) | 0.25 (3/15/2016) | (0.1 - 0.25)/(40 - 13) | -0.00555556 |
| 0.277 (2/13/2023) | 0.25 (3/15/2016) | (0.277 - 0.25)/(41 - 13) | 0.000964286 |
| 0.293 (5/24/2023) | 0.25 (3/15/2016) | (0.293 - 0.25)/(42 - 13) | 0.00148276 |
| ND<0.1 U (8/7/2023) | 0.25 (3/15/2016) | (0.1 - 0.25)/(43 - 13) | -0.005 |
| 0.164 (12/12/2023) | 0.25 (3/15/2016) | (0.164 - 0.25)/(44 - 13) | -0.00277419 |
| 0.389 (1/10/2024) | 0.25 (3/15/2016) | (0.389 - 0.25)/(45 - 13) | 0.00434375 |
| 0.102 (5/20/2024) | 0.25 (3/15/2016) | (0.102 - 0.25)/(46 - 13) | -0.00448485 |
| ND<0.05 U (9/16/2024) | 0.25 (3/15/2016) | (0.05 - 0.25)/(47 - 13) | -0.00588235 |
| 0.205 (12/11/2024) | 0.25 (3/15/2016) | (0.205 - 0.25)/(48 - 13) | -0.00128571 |
| 0.345 (2/18/2025) | 0.25 (3/15/2016) | (0.345 - 0.25)/(49 - 13) | 0.00263889 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.14 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.14 - 0.1)/(16 - 14) | 0.02 |
| 0.22 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.22 - 0.1)/(17 - 14) | 0.04 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| 0.2 (10/26/2017) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(20 - 14) | 0.0166667 |
| 0.356 (3/27/2018) | ND<0.1 U (6/29/2016) | (0.356 - 0.1)/(21 - 14) | 0.0365714 |
| 0.102 (6/26/2018) | ND<0.1 U (6/29/2016) | (0.102 - 0.1)/(22 - 14) | 0.00025 |
| 0.108 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(23 - 14) | 0.000888889 |
| 0.313 (12/11/2018) | ND<0.1 U (6/29/2016) | (0.313 - 0.1)/(24 - 14) | 0.0213 |
| 0.257 (4/17/2019) | ND<0.1 U (6/29/2016) | (0.257 - 0.1)/(25 - 14) | 0.0142727 |
| 0.223 (6/11/2019) | ND<0.1 U (6/29/2016) | (0.223 - 0.1)/(26 - 14) | 0.01025 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (6/29/2016) | (0.197 - 0.1)/(28 - 14) | 0.00692857 |
| 0.177 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.177 - 0.1)/(29 - 14) | 0.00513333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (6/29/2016) | (0.103 - 0.1)/(31 - 14) | 0.000176471 |
| 0.268 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.268 - 0.1)/(32 - 14) | 0.00933333 |
| 0.163 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.163 - 0.1)/(33 - 14) | 0.00331579 |
| 7.26 (5/5/2021) | ND<0.1 U (6/29/2016) | (7.26 - 0.1)/(34 - 14) | 0.358 |
| 0.245 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.245 - 0.1)/(35 - 14) | 0.00690476 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (6/29/2016) | (0.23 - 0.1)/(37 - 14) | 0.00565217 |
| 0.177 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.177 - 0.1)/(38 - 14) | 0.00320833 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (6/29/2016) | (0.277 - 0.1)/(41 - 14) | 0.00655556 |
| 0.293 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.293 - 0.1)/(42 - 14) | 0.00689286 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.164 - 0.1)/(44 - 14) | 0.00213333 |
| 0.389 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.389 - 0.1)/(45 - 14) | 0.00932258 |
| 0.102 (5/20/2024) | ND<0.1 U (6/29/2016) | (0.102 - 0.1)/(46 - 14) | 6.25e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.205 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.205 - 0.1)/(48 - 14) | 0.00308824 |
| 0.345 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.345 - 0.1)/(49 - 14) | 0.007 |
| | | | |
| 0.14 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.14 - 0.1)/(16 - 15) | 0.04 |
| 0.22 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.22 - 0.1)/(17 - 15) | 0.06 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| 0.2 (10/26/2017) | ND<0.1 U (8/9/2016) | (0.2 - 0.1)/(20 - 15) | 0.02 |
| 0.356 (3/27/2018) | ND<0.1 U (8/9/2016) | (0.356 - 0.1)/(21 - 15) | 0.0426667 |
| 0.102 (6/26/2018) | ND<0.1 U (8/9/2016) | (0.102 - 0.1)/(22 - 15) | 0.000285714 |
| 0.108 (8/1/2018) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(23 - 15) | 0.001 |
| 0.313 (12/11/2018) | ND<0.1 U (8/9/2016) | (0.313 - 0.1)/(24 - 15) | 0.0236667 |

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|---|---|---|---|
| 0.257 (4/17/2019) | ND<0.1 U (8/9/2016) | (0.257 - 0.1)/(25 - 15) | 0.0157 |
| 0.223 (6/11/2019) | ND<0.1 U (8/9/2016) | (0.223 - 0.1)/(26 - 15) | 0.0111818 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (8/9/2016) | (0.197 - 0.1)/(28 - 15) | 0.00746154 |
| 0.177 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.177 - 0.1)/(29 - 15) | 0.0055 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (8/9/2016) | (0.103 - 0.1)/(31 - 15) | 0.0001875 |
| 0.268 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.268 - 0.1)/(32 - 15) | 0.00988235 |
| 0.163 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.163 - 0.1)/(33 - 15) | 0.0035 |
| 7.26 (5/5/2021) | ND<0.1 U (8/9/2016) | (7.26 - 0.1)/(34 - 15) | 0.376842 |
| 0.245 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.245 - 0.1)/(35 - 15) | 0.00725 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (8/9/2016) | (0.23 - 0.1)/(37 - 15) | 0.00590909 |
| 0.177 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.177 - 0.1)/(38 - 15) | 0.00334783 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (8/9/2016) | (0.277 - 0.1)/(41 - 15) | 0.00680769 |
| 0.293 (5/24/2023) | ND<0.1 U (8/9/2016) | (0.293 - 0.1)/(42 - 15) | 0.00714815 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(43 - 15) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.164 - 0.1)/(44 - 15) | 0.0022069 |
| 0.389 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.389 - 0.1)/(45 - 15) | 0.00963333 |
| 0.102 (5/20/2024) | ND<0.1 U (8/9/2016) | (0.102 - 0.1)/(46 - 15) | 6.45161e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(47 - 15) | -0.0015625 |
| 0.205 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.205 - 0.1)/(48 - 15) | 0.00318182 |
| 0.345 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.345 - 0.1)/(49 - 15) | 0.00720588 |

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|---|---|---|---|
| 0.22 (3/2/2017) | 0.14 (12/7/2016) | (0.22 - 0.14)/(17 - 16) | 0.08 |
| ND<0.1 U (6/21/2017) | 0.14 (12/7/2016) | (0.1 - 0.14)/(18 - 16) | -0.02 |
| ND<0.1 U (8/17/2017) | 0.14 (12/7/2016) | (0.1 - 0.14)/(19 - 16) | -0.0133333 |
| 0.2 (10/26/2017) | 0.14 (12/7/2016) | (0.2 - 0.14)/(20 - 16) | 0.015 |
| 0.356 (3/27/2018) | 0.14 (12/7/2016) | (0.356 - 0.14)/(21 - 16) | 0.0432 |
| 0.102 (6/26/2018) | 0.14 (12/7/2016) | (0.102 - 0.14)/(22 - 16) | -0.00633333 |
| 0.108 (8/1/2018) | 0.14 (12/7/2016) | (0.108 - 0.14)/(23 - 16) | -0.00457143 |
| 0.313 (12/11/2018) | 0.14 (12/7/2016) | (0.313 - 0.14)/(24 - 16) | 0.021625 |
| 0.257 (4/17/2019) | 0.14 (12/7/2016) | (0.257 - 0.14)/(25 - 16) | 0.013 |
| 0.223 (6/11/2019) | 0.14 (12/7/2016) | (0.223 - 0.14)/(26 - 16) | 0.0083 |
| ND<0.1 U (8/28/2019) | 0.14 (12/7/2016) | (0.1 - 0.14)/(27 - 16) | -0.00363636 |
| 0.197 (10/28/2019) | 0.14 (12/7/2016) | (0.197 - 0.14)/(28 - 16) | 0.00475 |
| 0.177 (3/31/2020) | 0.14 (12/7/2016) | (0.177 - 0.14)/(29 - 16) | 0.00284615 |
| ND<0.1 U (6/10/2020) | 0.14 (12/7/2016) | (0.1 - 0.14)/(30 - 16) | -0.00285714 |
| ND<0.1 U (6/10/2020) | 0.14 (12/7/2016) | (0.1 - 0.14)/(30 - 16) | -0.00285714 |
| 0.103 (9/21/2020) | 0.14 (12/7/2016) | (0.103 - 0.14)/(31 - 16) | -0.00246667 |
| 0.268 (12/17/2020) | 0.14 (12/7/2016) | (0.268 - 0.14)/(32 - 16) | 0.008 |
| 0.163 (3/18/2021) | 0.14 (12/7/2016) | (0.163 - 0.14)/(33 - 16) | 0.00135294 |
| 7.26 (5/5/2021) | 0.14 (12/7/2016) | (7.26 - 0.14)/(34 - 16) | 0.395556 |
| 0.245 (9/2/2021) | 0.14 (12/7/2016) | (0.245 - 0.14)/(35 - 16) | 0.00552632 |
| ND<0.1 U (11/23/2021) | 0.14 (12/7/2016) | (0.1 - 0.14)/(36 - 16) | -0.002 |
| 0.23 (1/10/2022) | 0.14 (12/7/2016) | (0.23 - 0.14)/(37 - 16) | 0.00428571 |
| 0.177 (4/7/2022) | 0.14 (12/7/2016) | (0.177 - 0.14)/(38 - 16) | 0.00168182 |
| ND<0.1 U (8/3/2022) | 0.14 (12/7/2016) | (0.1 - 0.14)/(39 - 16) | -0.00173913 |
| ND<0.1 U (11/16/2022) | 0.14 (12/7/2016) | (0.1 - 0.14)/(40 - 16) | -0.00166667 |
| 0.277 (2/13/2023) | 0.14 (12/7/2016) | (0.277 - 0.14)/(41 - 16) | 0.00548 |
| 0.293 (5/24/2023) | 0.14 (12/7/2016) | (0.293 - 0.14)/(42 - 16) | 0.00588462 |
| ND<0.1 U (8/7/2023) | 0.14 (12/7/2016) | (0.1 - 0.14)/(43 - 16) | -0.00148148 |
| 0.164 (12/12/2023) | 0.14 (12/7/2016) | (0.164 - 0.14)/(44 - 16) | 0.000857143 |
| 0.389 (1/10/2024) | 0.14 (12/7/2016) | (0.389 - 0.14)/(45 - 16) | 0.00858621 |

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|---|---|---|---|
| 0.102 (5/20/2024) | 0.14 (12/7/2016) | (0.102 - 0.14)/(46 - 16) | -0.00126667 |
| ND<0.05 U (9/16/2024) | 0.14 (12/7/2016) | (0.05 - 0.14)/(47 - 16) | -0.00290323 |
| 0.205 (12/11/2024) | 0.14 (12/7/2016) | (0.205 - 0.14)/(48 - 16) | 0.00203125 |
| 0.345 (2/18/2025) | 0.14 (12/7/2016) | (0.345 - 0.14)/(49 - 16) | 0.00621212 |
| | | | |
| ND<0.1 U (6/21/2017) | 0.22 (3/2/2017) | (0.1 - 0.22)/(18 - 17) | -0.12 |
| ND<0.1 U (8/17/2017) | 0.22 (3/2/2017) | (0.1 - 0.22)/(19 - 17) | -0.06 |
| 0.2 (10/26/2017) | 0.22 (3/2/2017) | (0.2 - 0.22)/(20 - 17) | -0.00666667 |
| 0.356 (3/27/2018) | 0.22 (3/2/2017) | (0.356 - 0.22)/(21 - 17) | 0.034 |
| 0.102 (6/26/2018) | 0.22 (3/2/2017) | (0.102 - 0.22)/(22 - 17) | -0.0236 |
| 0.108 (8/1/2018) | 0.22 (3/2/2017) | (0.108 - 0.22)/(23 - 17) | -0.0186667 |
| 0.313 (12/11/2018) | 0.22 (3/2/2017) | (0.313 - 0.22)/(24 - 17) | 0.0132857 |
| 0.257 (4/17/2019) | 0.22 (3/2/2017) | (0.257 - 0.22)/(25 - 17) | 0.004625 |
| 0.223 (6/11/2019) | 0.22 (3/2/2017) | (0.223 - 0.22)/(26 - 17) | 0.000333333 |
| ND<0.1 U (8/28/2019) | 0.22 (3/2/2017) | (0.1 - 0.22)/(27 - 17) | -0.012 |
| 0.197 (10/28/2019) | 0.22 (3/2/2017) | (0.197 - 0.22)/(28 - 17) | -0.00209091 |
| 0.177 (3/31/2020) | 0.22 (3/2/2017) | (0.177 - 0.22)/(29 - 17) | -0.00358333 |
| ND<0.1 U (6/10/2020) | 0.22 (3/2/2017) | (0.1 - 0.22)/(30 - 17) | -0.00923077 |
| ND<0.1 U (6/10/2020) | 0.22 (3/2/2017) | (0.1 - 0.22)/(30 - 17) | -0.00923077 |
| 0.103 (9/21/2020) | 0.22 (3/2/2017) | (0.103 - 0.22)/(31 - 17) | -0.00835714 |
| 0.268 (12/17/2020) | 0.22 (3/2/2017) | (0.268 - 0.22)/(32 - 17) | 0.0032 |
| 0.163 (3/18/2021) | 0.22 (3/2/2017) | (0.163 - 0.22)/(33 - 17) | -0.0035625 |
| 7.26 (5/5/2021) | 0.22 (3/2/2017) | (7.26 - 0.22)/(34 - 17) | 0.414118 |
| 0.245 (9/2/2021) | 0.22 (3/2/2017) | (0.245 - 0.22)/(35 - 17) | 0.00138889 |
| ND<0.1 U (11/23/2021) | 0.22 (3/2/2017) | (0.1 - 0.22)/(36 - 17) | -0.00631579 |
| 0.23 (1/10/2022) | 0.22 (3/2/2017) | (0.23 - 0.22)/(37 - 17) | 0.0005 |
| 0.177 (4/7/2022) | 0.22 (3/2/2017) | (0.177 - 0.22)/(38 - 17) | -0.00204762 |
| ND<0.1 U (8/3/2022) | 0.22 (3/2/2017) | (0.1 - 0.22)/(39 - 17) | -0.00545455 |
| ND<0.1 U (11/16/2022) | 0.22 (3/2/2017) | (0.1 - 0.22)/(40 - 17) | -0.00521739 |
| 0.277 (2/13/2023) | 0.22 (3/2/2017) | (0.277 - 0.22)/(41 - 17) | 0.002375 |
| 0.293 (5/24/2023) | 0.22 (3/2/2017) | (0.293 - 0.22)/(42 - 17) | 0.00292 |
| ND<0.1 U (8/7/2023) | 0.22 (3/2/2017) | (0.1 - 0.22)/(43 - 17) | -0.00461538 |
| 0.164 (12/12/2023) | 0.22 (3/2/2017) | (0.164 - 0.22)/(44 - 17) | -0.00207407 |
| 0.389 (1/10/2024) | 0.22 (3/2/2017) | (0.389 - 0.22)/(45 - 17) | 0.00603571 |
| 0.102 (5/20/2024) | 0.22 (3/2/2017) | (0.102 - 0.22)/(46 - 17) | -0.00406897 |
| ND<0.05 U (9/16/2024) | 0.22 (3/2/2017) | (0.05 - 0.22)/(47 - 17) | -0.00566667 |
| 0.205 (12/11/2024) | 0.22 (3/2/2017) | (0.205 - 0.22)/(48 - 17) | -0.000483871 |
| 0.345 (2/18/2025) | 0.22 (3/2/2017) | (0.345 - 0.22)/(49 - 17) | 0.00390625 |
| | | | |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| 0.2 (10/26/2017) | ND<0.1 U (6/21/2017) | (0.2 - 0.1)/(20 - 18) | 0.05 |
| 0.356 (3/27/2018) | ND<0.1 U (6/21/2017) | (0.356 - 0.1)/(21 - 18) | 0.0853333 |
| 0.102 (6/26/2018) | ND<0.1 U (6/21/2017) | (0.102 - 0.1)/(22 - 18) | 0.0005 |
| 0.108 (8/1/2018) | ND<0.1 U (6/21/2017) | (0.108 - 0.1)/(23 - 18) | 0.0016 |
| 0.313 (12/11/2018) | ND<0.1 U (6/21/2017) | (0.313 - 0.1)/(24 - 18) | 0.0355 |
| 0.257 (4/17/2019) | ND<0.1 U (6/21/2017) | (0.257 - 0.1)/(25 - 18) | 0.0224286 |
| 0.223 (6/11/2019) | ND<0.1 U (6/21/2017) | (0.223 - 0.1)/(26 - 18) | 0.015375 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (6/21/2017) | (0.197 - 0.1)/(28 - 18) | 0.0097 |
| 0.177 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.177 - 0.1)/(29 - 18) | 0.007 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (6/21/2017) | (0.103 - 0.1)/(31 - 18) | 0.000230769 |
| 0.268 (12/17/2020) | ND<0.1 U (6/21/2017) | (0.268 - 0.1)/(32 - 18) | 0.012 |
| 0.163 (3/18/2021) | ND<0.1 U (6/21/2017) | (0.163 - 0.1)/(33 - 18) | 0.0042 |
| 7.26 (5/5/2021) | ND<0.1 U (6/21/2017) | (7.26 - 0.1)/(34 - 18) | 0.4475 |
| 0.245 (9/2/2021) | ND<0.1 U (6/21/2017) | (0.245 - 0.1)/(35 - 18) | 0.00852941 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (6/21/2017) | (0.23 - 0.1)/(37 - 18) | 0.00684211 |
| 0.177 (4/7/2022) | ND<0.1 U (6/21/2017) | (0.177 - 0.1)/(38 - 18) | 0.00385 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (6/21/2017) | (0.277 - 0.1)/(41 - 18) | 0.00769565 |
| 0.293 (5/24/2023) | ND<0.1 U (6/21/2017) | (0.293 - 0.1)/(42 - 18) | 0.00804167 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(43 - 18) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (6/21/2017) | (0.164 - 0.1)/(44 - 18) | 0.00246154 |
| 0.389 (1/10/2024) | ND<0.1 U (6/21/2017) | (0.389 - 0.1)/(45 - 18) | 0.0107037 |
| 0.102 (5/20/2024) | ND<0.1 U (6/21/2017) | (0.102 - 0.1)/(46 - 18) | 7.14286e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/21/2017) | (0.05 - 0.1)/(47 - 18) | -0.00172414 |
| 0.205 (12/11/2024) | ND<0.1 U (6/21/2017) | (0.205 - 0.1)/(48 - 18) | 0.0035 |
| 0.345 (2/18/2025) | ND<0.1 U (6/21/2017) | (0.345 - 0.1)/(49 - 18) | 0.00790323 |
| | | | |
| 0.2 (10/26/2017) | ND<0.1 U (8/17/2017) | (0.2 - 0.1)/(20 - 19) | 0.1 |
| 0.356 (3/27/2018) | ND<0.1 U (8/17/2017) | (0.356 - 0.1)/(21 - 19) | 0.128 |
| 0.102 (6/26/2018) | ND<0.1 U (8/17/2017) | (0.102 - 0.1)/(22 - 19) | 0.000666667 |
| 0.108 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.108 - 0.1)/(23 - 19) | 0.002 |
| 0.313 (12/11/2018) | ND<0.1 U (8/17/2017) | (0.313 - 0.1)/(24 - 19) | 0.0426 |
| 0.257 (4/17/2019) | ND<0.1 U (8/17/2017) | (0.257 - 0.1)/(25 - 19) | 0.0261667 |
| 0.223 (6/11/2019) | ND<0.1 U (8/17/2017) | (0.223 - 0.1)/(26 - 19) | 0.0175714 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| 0.197 (10/28/2019) | ND<0.1 U (8/17/2017) | (0.197 - 0.1)/(28 - 19) | 0.0107778 |
| 0.177 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.177 - 0.1)/(29 - 19) | 0.0077 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (8/17/2017) | (0.103 - 0.1)/(31 - 19) | 0.00025 |
| 0.268 (12/17/2020) | ND<0.1 U (8/17/2017) | (0.268 - 0.1)/(32 - 19) | 0.0129231 |
| 0.163 (3/18/2021) | ND<0.1 U (8/17/2017) | (0.163 - 0.1)/(33 - 19) | 0.0045 |
| 7.26 (5/5/2021) | ND<0.1 U (8/17/2017) | (7.26 - 0.1)/(34 - 19) | 0.477333 |
| 0.245 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.245 - 0.1)/(35 - 19) | 0.0090625 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (8/17/2017) | (0.23 - 0.1)/(37 - 19) | 0.00722222 |
| 0.177 (4/7/2022) | ND<0.1 U (8/17/2017) | (0.177 - 0.1)/(38 - 19) | 0.00405263 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (8/17/2017) | (0.277 - 0.1)/(41 - 19) | 0.00804545 |
| 0.293 (5/24/2023) | ND<0.1 U (8/17/2017) | (0.293 - 0.1)/(42 - 19) | 0.0083913 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(43 - 19) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (8/17/2017) | (0.164 - 0.1)/(44 - 19) | 0.00256 |
| 0.389 (1/10/2024) | ND<0.1 U (8/17/2017) | (0.389 - 0.1)/(45 - 19) | 0.0111154 |
| 0.102 (5/20/2024) | ND<0.1 U (8/17/2017) | (0.102 - 0.1)/(46 - 19) | 7.40741e-05 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/17/2017) | (0.05 - 0.1)/(47 - 19) | -0.00178571 |
| 0.205 (12/11/2024) | ND<0.1 U (8/17/2017) | (0.205 - 0.1)/(48 - 19) | 0.00362069 |
| 0.345 (2/18/2025) | ND<0.1 U (8/17/2017) | (0.345 - 0.1)/(49 - 19) | 0.00816667 |
| | | | |
| 0.356 (3/27/2018) | 0.2 (10/26/2017) | (0.356 - 0.2)/(21 - 20) | 0.156 |
| 0.102 (6/26/2018) | 0.2 (10/26/2017) | (0.102 - 0.2)/(22 - 20) | -0.049 |
| 0.108 (8/1/2018) | 0.2 (10/26/2017) | (0.108 - 0.2)/(23 - 20) | -0.0306667 |
| 0.313 (12/11/2018) | 0.2 (10/26/2017) | (0.313 - 0.2)/(24 - 20) | 0.02825 |
| 0.257 (4/17/2019) | 0.2 (10/26/2017) | (0.257 - 0.2)/(25 - 20) | 0.0114 |
| 0.223 (6/11/2019) | 0.2 (10/26/2017) | (0.223 - 0.2)/(26 - 20) | 0.00383333 |
| ND<0.1 U (8/28/2019) | 0.2 (10/26/2017) | (0.1 - 0.2)/(27 - 20) | -0.0142857 |
| 0.197 (10/28/2019) | 0.2 (10/26/2017) | (0.197 - 0.2)/(28 - 20) | -0.000375 |
| 0.177 (3/31/2020) | 0.2 (10/26/2017) | (0.177 - 0.2)/(29 - 20) | -0.00255556 |
| ND<0.1 U (6/10/2020) | 0.2 (10/26/2017) | (0.1 - 0.2)/(30 - 20) | -0.01 |

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|---|---|---|---|
| ND<0.1 U (6/10/2020) | 0.2 (10/26/2017) | (0.1 - 0.2)/(30 - 20) | -0.01 |
| 0.103 (9/21/2020) | 0.2 (10/26/2017) | (0.103 - 0.2)/(31 - 20) | -0.00881818 |
| 0.268 (12/17/2020) | 0.2 (10/26/2017) | (0.268 - 0.2)/(32 - 20) | 0.00566667 |
| 0.163 (3/18/2021) | 0.2 (10/26/2017) | (0.163 - 0.2)/(33 - 20) | -0.00284615 |
| 7.26 (5/5/2021) | 0.2 (10/26/2017) | (7.26 - 0.2)/(34 - 20) | 0.504286 |
| 0.245 (9/2/2021) | 0.2 (10/26/2017) | (0.245 - 0.2)/(35 - 20) | 0.003 |
| ND<0.1 U (11/23/2021) | 0.2 (10/26/2017) | (0.1 - 0.2)/(36 - 20) | -0.00625 |
| 0.23 (1/10/2022) | 0.2 (10/26/2017) | (0.23 - 0.2)/(37 - 20) | 0.00176471 |
| 0.177 (4/7/2022) | 0.2 (10/26/2017) | (0.177 - 0.2)/(38 - 20) | -0.00127778 |
| ND<0.1 U (8/3/2022) | 0.2 (10/26/2017) | (0.1 - 0.2)/(39 - 20) | -0.00526316 |
| ND<0.1 U (11/16/2022) | 0.2 (10/26/2017) | (0.1 - 0.2)/(40 - 20) | -0.005 |
| 0.277 (2/13/2023) | 0.2 (10/26/2017) | (0.277 - 0.2)/(41 - 20) | 0.00366667 |
| 0.293 (5/24/2023) | 0.2 (10/26/2017) | (0.293 - 0.2)/(42 - 20) | 0.00422727 |
| ND<0.1 U (8/7/2023) | 0.2 (10/26/2017) | (0.1 - 0.2)/(43 - 20) | -0.00434783 |
| 0.164 (12/12/2023) | 0.2 (10/26/2017) | (0.164 - 0.2)/(44 - 20) | -0.0015 |
| 0.389 (1/10/2024) | 0.2 (10/26/2017) | (0.389 - 0.2)/(45 - 20) | 0.00756 |
| 0.102 (5/20/2024) | 0.2 (10/26/2017) | (0.102 - 0.2)/(46 - 20) | -0.00376923 |
| ND<0.05 U (9/16/2024) | 0.2 (10/26/2017) | (0.05 - 0.2)/(47 - 20) | -0.00555556 |
| 0.205 (12/11/2024) | 0.2 (10/26/2017) | (0.205 - 0.2)/(48 - 20) | 0.000178571 |
| 0.345 (2/18/2025) | 0.2 (10/26/2017) | (0.345 - 0.2)/(49 - 20) | 0.005 |
| | | | |
| 0.102 (6/26/2018) | 0.356 (3/27/2018) | (0.102 - 0.356)/(22 - 21) | -0.254 |
| 0.108 (8/1/2018) | 0.356 (3/27/2018) | (0.108 - 0.356)/(23 - 21) | -0.124 |
| 0.313 (12/11/2018) | 0.356 (3/27/2018) | (0.313 - 0.356)/(24 - 21) | -0.0143333 |
| 0.257 (4/17/2019) | 0.356 (3/27/2018) | (0.257 - 0.356)/(25 - 21) | -0.02475 |
| 0.223 (6/11/2019) | 0.356 (3/27/2018) | (0.223 - 0.356)/(26 - 21) | -0.0266 |
| ND<0.1 U (8/28/2019) | 0.356 (3/27/2018) | (0.1 - 0.356)/(27 - 21) | -0.0426667 |
| 0.197 (10/28/2019) | 0.356 (3/27/2018) | (0.197 - 0.356)/(28 - 21) | -0.0227143 |
| 0.177 (3/31/2020) | 0.356 (3/27/2018) | (0.177 - 0.356)/(29 - 21) | -0.022375 |
| ND<0.1 U (6/10/2020) | 0.356 (3/27/2018) | (0.1 - 0.356)/(30 - 21) | -0.0284444 |
| ND<0.1 U (6/10/2020) | 0.356 (3/27/2018) | (0.1 - 0.356)/(30 - 21) | -0.0284444 |
| 0.103 (9/21/2020) | 0.356 (3/27/2018) | (0.103 - 0.356)/(31 - 21) | -0.0253 |
| 0.268 (12/17/2020) | 0.356 (3/27/2018) | (0.268 - 0.356)/(32 - 21) | -0.008 |
| 0.163 (3/18/2021) | 0.356 (3/27/2018) | (0.163 - 0.356)/(33 - 21) | -0.0160833 |
| 7.26 (5/5/2021) | 0.356 (3/27/2018) | (7.26 - 0.356)/(34 - 21) | 0.531077 |
| 0.245 (9/2/2021) | 0.356 (3/27/2018) | (0.245 - 0.356)/(35 - 21) | -0.00792857 |
| ND<0.1 U (11/23/2021) | 0.356 (3/27/2018) | (0.1 - 0.356)/(36 - 21) | -0.0170667 |
| 0.23 (1/10/2022) | 0.356 (3/27/2018) | (0.23 - 0.356)/(37 - 21) | -0.007875 |
| 0.177 (4/7/2022) | 0.356 (3/27/2018) | (0.177 - 0.356)/(38 - 21) | -0.0105294 |
| ND<0.1 U (8/3/2022) | 0.356 (3/27/2018) | (0.1 - 0.356)/(39 - 21) | -0.0142222 |
| ND<0.1 U (11/16/2022) | 0.356 (3/27/2018) | (0.1 - 0.356)/(40 - 21) | -0.0134737 |
| 0.277 (2/13/2023) | 0.356 (3/27/2018) | (0.277 - 0.356)/(41 - 21) | -0.00395 |
| 0.293 (5/24/2023) | 0.356 (3/27/2018) | (0.293 - 0.356)/(42 - 21) | -0.003 |
| ND<0.1 U (8/7/2023) | 0.356 (3/27/2018) | (0.1 - 0.356)/(43 - 21) | -0.0116364 |
| 0.164 (12/12/2023) | 0.356 (3/27/2018) | (0.164 - 0.356)/(44 - 21) | -0.00834783 |
| 0.389 (1/10/2024) | 0.356 (3/27/2018) | (0.389 - 0.356)/(45 - 21) | 0.001375 |
| 0.102 (5/20/2024) | 0.356 (3/27/2018) | (0.102 - 0.356)/(46 - 21) | -0.01016 |
| ND<0.05 U (9/16/2024) | 0.356 (3/27/2018) | (0.05 - 0.356)/(47 - 21) | -0.0117692 |
| 0.205 (12/11/2024) | 0.356 (3/27/2018) | (0.205 - 0.356)/(48 - 21) | -0.00559259 |
| 0.345 (2/18/2025) | 0.356 (3/27/2018) | (0.345 - 0.356)/(49 - 21) | -0.000392857 |
| | | | |
| 0.108 (8/1/2018) | 0.102 (6/26/2018) | (0.108 - 0.102)/(23 - 22) | 0.006 |
| 0.313 (12/11/2018) | 0.102 (6/26/2018) | (0.313 - 0.102)/(24 - 22) | 0.1055 |
| 0.257 (4/17/2019) | 0.102 (6/26/2018) | (0.257 - 0.102)/(25 - 22) | 0.0516667 |
| 0.223 (6/11/2019) | 0.102 (6/26/2018) | (0.223 - 0.102)/(26 - 22) | 0.03025 |
| ND<0.1 U (8/28/2019) | 0.102 (6/26/2018) | (0.1 - 0.102)/(27 - 22) | -0.0004 |
| 0.197 (10/28/2019) | 0.102 (6/26/2018) | (0.197 - 0.102)/(28 - 22) | 0.0158333 |

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|---|---|---|---|
| 0.177 (3/31/2020) | 0.102 (6/26/2018) | (0.177 - 0.102)/(29 - 22) | 0.0107143 |
| ND<0.1 U (6/10/2020) | 0.102 (6/26/2018) | (0.1 - 0.102)/(30 - 22) | -0.00025 |
| ND<0.1 U (6/10/2020) | 0.102 (6/26/2018) | (0.1 - 0.102)/(30 - 22) | -0.00025 |
| 0.103 (9/21/2020) | 0.102 (6/26/2018) | (0.103 - 0.102)/(31 - 22) | 0.000111111 |
| 0.268 (12/17/2020) | 0.102 (6/26/2018) | (0.268 - 0.102)/(32 - 22) | 0.0166 |
| 0.163 (3/18/2021) | 0.102 (6/26/2018) | (0.163 - 0.102)/(33 - 22) | 0.00554545 |
| 7.26 (5/5/2021) | 0.102 (6/26/2018) | (7.26 - 0.102)/(34 - 22) | 0.5965 |
| 0.245 (9/2/2021) | 0.102 (6/26/2018) | (0.245 - 0.102)/(35 - 22) | 0.011 |
| ND<0.1 U (11/23/2021) | 0.102 (6/26/2018) | (0.1 - 0.102)/(36 - 22) | -0.000142857 |
| 0.23 (1/10/2022) | 0.102 (6/26/2018) | (0.23 - 0.102)/(37 - 22) | 0.00853333 |
| 0.177 (4/7/2022) | 0.102 (6/26/2018) | (0.177 - 0.102)/(38 - 22) | 0.0046875 |
| ND<0.1 U (8/3/2022) | 0.102 (6/26/2018) | (0.1 - 0.102)/(39 - 22) | -0.000117647 |
| ND<0.1 U (11/16/2022) | 0.102 (6/26/2018) | (0.1 - 0.102)/(40 - 22) | -0.000111111 |
| 0.277 (2/13/2023) | 0.102 (6/26/2018) | (0.277 - 0.102)/(41 - 22) | 0.00921053 |
| 0.293 (5/24/2023) | 0.102 (6/26/2018) | (0.293 - 0.102)/(42 - 22) | 0.00955 |
| ND<0.1 U (8/7/2023) | 0.102 (6/26/2018) | (0.1 - 0.102)/(43 - 22) | -9.52381e-05 |
| 0.164 (12/12/2023) | 0.102 (6/26/2018) | (0.164 - 0.102)/(44 - 22) | 0.00281818 |
| 0.389 (1/10/2024) | 0.102 (6/26/2018) | (0.389 - 0.102)/(45 - 22) | 0.0124783 |
| 0.102 (5/20/2024) | 0.102 (6/26/2018) | (0.102 - 0.102)/(46 - 22) | 0 |
| ND<0.05 U (9/16/2024) | 0.102 (6/26/2018) | (0.05 - 0.102)/(47 - 22) | -0.00208 |
| 0.205 (12/11/2024) | 0.102 (6/26/2018) | (0.205 - 0.102)/(48 - 22) | 0.00396154 |
| 0.345 (2/18/2025) | 0.102 (6/26/2018) | (0.345 - 0.102)/(49 - 22) | 0.009 |
| | | | |
| 0.313 (12/11/2018) | 0.108 (8/1/2018) | (0.313 - 0.108)/(24 - 23) | 0.205 |
| 0.257 (4/17/2019) | 0.108 (8/1/2018) | (0.257 - 0.108)/(25 - 23) | 0.0745 |
| 0.223 (6/11/2019) | 0.108 (8/1/2018) | (0.223 - 0.108)/(26 - 23) | 0.0383333 |
| ND<0.1 U (8/28/2019) | 0.108 (8/1/2018) | (0.1 - 0.108)/(27 - 23) | -0.002 |
| 0.197 (10/28/2019) | 0.108 (8/1/2018) | (0.197 - 0.108)/(28 - 23) | 0.0178 |
| 0.177 (3/31/2020) | 0.108 (8/1/2018) | (0.177 - 0.108)/(29 - 23) | 0.0115 |
| ND<0.1 U (6/10/2020) | 0.108 (8/1/2018) | (0.1 - 0.108)/(30 - 23) | -0.00114286 |
| ND<0.1 U (6/10/2020) | 0.108 (8/1/2018) | (0.1 - 0.108)/(30 - 23) | -0.00114286 |
| 0.103 (9/21/2020) | 0.108 (8/1/2018) | (0.103 - 0.108)/(31 - 23) | -0.000625 |
| 0.268 (12/17/2020) | 0.108 (8/1/2018) | (0.268 - 0.108)/(32 - 23) | 0.0177778 |
| 0.163 (3/18/2021) | 0.108 (8/1/2018) | (0.163 - 0.108)/(33 - 23) | 0.0055 |
| 7.26 (5/5/2021) | 0.108 (8/1/2018) | (7.26 - 0.108)/(34 - 23) | 0.650182 |
| 0.245 (9/2/2021) | 0.108 (8/1/2018) | (0.245 - 0.108)/(35 - 23) | 0.0114167 |
| ND<0.1 U (11/23/2021) | 0.108 (8/1/2018) | (0.1 - 0.108)/(36 - 23) | -0.000615385 |
| 0.23 (1/10/2022) | 0.108 (8/1/2018) | (0.23 - 0.108)/(37 - 23) | 0.00871429 |
| 0.177 (4/7/2022) | 0.108 (8/1/2018) | (0.177 - 0.108)/(38 - 23) | 0.0046 |
| ND<0.1 U (8/3/2022) | 0.108 (8/1/2018) | (0.1 - 0.108)/(39 - 23) | -0.0005 |
| ND<0.1 U (11/16/2022) | 0.108 (8/1/2018) | (0.1 - 0.108)/(40 - 23) | -0.000470588 |
| 0.277 (2/13/2023) | 0.108 (8/1/2018) | (0.277 - 0.108)/(41 - 23) | 0.00938889 |
| 0.293 (5/24/2023) | 0.108 (8/1/2018) | (0.293 - 0.108)/(42 - 23) | 0.00973684 |
| ND<0.1 U (8/7/2023) | 0.108 (8/1/2018) | (0.1 - 0.108)/(43 - 23) | -0.0004 |
| 0.164 (12/12/2023) | 0.108 (8/1/2018) | (0.164 - 0.108)/(44 - 23) | 0.00266667 |
| 0.389 (1/10/2024) | 0.108 (8/1/2018) | (0.389 - 0.108)/(45 - 23) | 0.0127727 |
| 0.102 (5/20/2024) | 0.108 (8/1/2018) | (0.102 - 0.108)/(46 - 23) | -0.00026087 |
| ND<0.05 U (9/16/2024) | 0.108 (8/1/2018) | (0.05 - 0.108)/(47 - 23) | -0.00241667 |
| 0.205 (12/11/2024) | 0.108 (8/1/2018) | (0.205 - 0.108)/(48 - 23) | 0.00388 |
| 0.345 (2/18/2025) | 0.108 (8/1/2018) | (0.345 - 0.108)/(49 - 23) | 0.00911538 |
| | | | |
| 0.257 (4/17/2019) | 0.313 (12/11/2018) | (0.257 - 0.313)/(25 - 24) | -0.056 |
| 0.223 (6/11/2019) | 0.313 (12/11/2018) | (0.223 - 0.313)/(26 - 24) | -0.045 |
| ND<0.1 U (8/28/2019) | 0.313 (12/11/2018) | (0.1 - 0.313)/(27 - 24) | -0.071 |
| 0.197 (10/28/2019) | 0.313 (12/11/2018) | (0.197 - 0.313)/(28 - 24) | -0.029 |
| 0.177 (3/31/2020) | 0.313 (12/11/2018) | (0.177 - 0.313)/(29 - 24) | -0.0272 |
| ND<0.1 U (6/10/2020) | 0.313 (12/11/2018) | (0.1 - 0.313)/(30 - 24) | -0.0355 |

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|---|---|---|---|
| ND<0.1 U (6/10/2020) | 0.313 (12/11/2018) | (0.1 - 0.313)/(30 - 24) | -0.0355 |
| 0.103 (9/21/2020) | 0.313 (12/11/2018) | (0.103 - 0.313)/(31 - 24) | -0.03 |
| 0.268 (12/17/2020) | 0.313 (12/11/2018) | (0.268 - 0.313)/(32 - 24) | -0.005625 |
| 0.163 (3/18/2021) | 0.313 (12/11/2018) | (0.163 - 0.313)/(33 - 24) | -0.0166667 |
| 7.26 (5/5/2021) | 0.313 (12/11/2018) | (7.26 - 0.313)/(34 - 24) | 0.6947 |
| 0.245 (9/2/2021) | 0.313 (12/11/2018) | (0.245 - 0.313)/(35 - 24) | -0.00618182 |
| ND<0.1 U (11/23/2021) | 0.313 (12/11/2018) | (0.1 - 0.313)/(36 - 24) | -0.01775 |
| 0.23 (1/10/2022) | 0.313 (12/11/2018) | (0.23 - 0.313)/(37 - 24) | -0.00638462 |
| 0.177 (4/7/2022) | 0.313 (12/11/2018) | (0.177 - 0.313)/(38 - 24) | -0.00971429 |
| ND<0.1 U (8/3/2022) | 0.313 (12/11/2018) | (0.1 - 0.313)/(39 - 24) | -0.0142 |
| ND<0.1 U (11/16/2022) | 0.313 (12/11/2018) | (0.1 - 0.313)/(40 - 24) | -0.0133125 |
| 0.277 (2/13/2023) | 0.313 (12/11/2018) | (0.277 - 0.313)/(41 - 24) | -0.00211765 |
| 0.293 (5/24/2023) | 0.313 (12/11/2018) | (0.293 - 0.313)/(42 - 24) | -0.00111111 |
| ND<0.1 U (8/7/2023) | 0.313 (12/11/2018) | (0.1 - 0.313)/(43 - 24) | -0.0112105 |
| 0.164 (12/12/2023) | 0.313 (12/11/2018) | (0.164 - 0.313)/(44 - 24) | -0.00745 |
| 0.389 (1/10/2024) | 0.313 (12/11/2018) | (0.389 - 0.313)/(45 - 24) | 0.00361905 |
| 0.102 (5/20/2024) | 0.313 (12/11/2018) | (0.102 - 0.313)/(46 - 24) | -0.00959091 |
| ND<0.05 U (9/16/2024) | 0.313 (12/11/2018) | (0.05 - 0.313)/(47 - 24) | -0.0114348 |
| 0.205 (12/11/2024) | 0.313 (12/11/2018) | (0.205 - 0.313)/(48 - 24) | -0.0045 |
| 0.345 (2/18/2025) | 0.313 (12/11/2018) | (0.345 - 0.313)/(49 - 24) | 0.00128 |
| | | | |
| 0.223 (6/11/2019) | 0.257 (4/17/2019) | (0.223 - 0.257)/(26 - 25) | -0.034 |
| ND<0.1 U (8/28/2019) | 0.257 (4/17/2019) | (0.1 - 0.257)/(27 - 25) | -0.0785 |
| 0.197 (10/28/2019) | 0.257 (4/17/2019) | (0.197 - 0.257)/(28 - 25) | -0.02 |
| 0.177 (3/31/2020) | 0.257 (4/17/2019) | (0.177 - 0.257)/(29 - 25) | -0.02 |
| ND<0.1 U (6/10/2020) | 0.257 (4/17/2019) | (0.1 - 0.257)/(30 - 25) | -0.0314 |
| ND<0.1 U (6/10/2020) | 0.257 (4/17/2019) | (0.1 - 0.257)/(30 - 25) | -0.0314 |
| 0.103 (9/21/2020) | 0.257 (4/17/2019) | (0.103 - 0.257)/(31 - 25) | -0.0256667 |
| 0.268 (12/17/2020) | 0.257 (4/17/2019) | (0.268 - 0.257)/(32 - 25) | 0.00157143 |
| 0.163 (3/18/2021) | 0.257 (4/17/2019) | (0.163 - 0.257)/(33 - 25) | -0.01175 |
| 7.26 (5/5/2021) | 0.257 (4/17/2019) | (7.26 - 0.257)/(34 - 25) | 0.778111 |
| 0.245 (9/2/2021) | 0.257 (4/17/2019) | (0.245 - 0.257)/(35 - 25) | -0.0012 |
| ND<0.1 U (11/23/2021) | 0.257 (4/17/2019) | (0.1 - 0.257)/(36 - 25) | -0.0142727 |
| 0.23 (1/10/2022) | 0.257 (4/17/2019) | (0.23 - 0.257)/(37 - 25) | -0.00225 |
| 0.177 (4/7/2022) | 0.257 (4/17/2019) | (0.177 - 0.257)/(38 - 25) | -0.00615385 |
| ND<0.1 U (8/3/2022) | 0.257 (4/17/2019) | (0.1 - 0.257)/(39 - 25) | -0.0112143 |
| ND<0.1 U (11/16/2022) | 0.257 (4/17/2019) | (0.1 - 0.257)/(40 - 25) | -0.0104667 |
| 0.277 (2/13/2023) | 0.257 (4/17/2019) | (0.277 - 0.257)/(41 - 25) | 0.00125 |
| 0.293 (5/24/2023) | 0.257 (4/17/2019) | (0.293 - 0.257)/(42 - 25) | 0.00211765 |
| ND<0.1 U (8/7/2023) | 0.257 (4/17/2019) | (0.1 - 0.257)/(43 - 25) | -0.00872222 |
| 0.164 (12/12/2023) | 0.257 (4/17/2019) | (0.164 - 0.257)/(44 - 25) | -0.00489474 |
| 0.389 (1/10/2024) | 0.257 (4/17/2019) | (0.389 - 0.257)/(45 - 25) | 0.0066 |
| 0.102 (5/20/2024) | 0.257 (4/17/2019) | (0.102 - 0.257)/(46 - 25) | -0.00738095 |
| ND<0.05 U (9/16/2024) | 0.257 (4/17/2019) | (0.05 - 0.257)/(47 - 25) | -0.00940909 |
| 0.205 (12/11/2024) | 0.257 (4/17/2019) | (0.205 - 0.257)/(48 - 25) | -0.00226087 |
| 0.345 (2/18/2025) | 0.257 (4/17/2019) | (0.345 - 0.257)/(49 - 25) | 0.00366667 |
| | | | |
| ND<0.1 U (8/28/2019) | 0.223 (6/11/2019) | (0.1 - 0.223)/(27 - 26) | -0.123 |
| 0.197 (10/28/2019) | 0.223 (6/11/2019) | (0.197 - 0.223)/(28 - 26) | -0.013 |
| 0.177 (3/31/2020) | 0.223 (6/11/2019) | (0.177 - 0.223)/(29 - 26) | -0.0153333 |
| ND<0.1 U (6/10/2020) | 0.223 (6/11/2019) | (0.1 - 0.223)/(30 - 26) | -0.03075 |
| ND<0.1 U (6/10/2020) | 0.223 (6/11/2019) | (0.1 - 0.223)/(30 - 26) | -0.03075 |
| 0.103 (9/21/2020) | 0.223 (6/11/2019) | (0.103 - 0.223)/(31 - 26) | -0.024 |
| 0.268 (12/17/2020) | 0.223 (6/11/2019) | (0.268 - 0.223)/(32 - 26) | 0.0075 |
| 0.163 (3/18/2021) | 0.223 (6/11/2019) | (0.163 - 0.223)/(33 - 26) | -0.00857143 |
| 7.26 (5/5/2021) | 0.223 (6/11/2019) | (7.26 - 0.223)/(34 - 26) | 0.879625 |
| 0.245 (9/2/2021) | 0.223 (6/11/2019) | (0.245 - 0.223)/(35 - 26) | 0.00244444 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | 0.223 (6/11/2019) | (0.1 - 0.223)/(36 - 26) | -0.0123 |
| 0.23 (1/10/2022) | 0.223 (6/11/2019) | (0.23 - 0.223)/(37 - 26) | 0.000636364 |
| 0.177 (4/7/2022) | 0.223 (6/11/2019) | (0.177 - 0.223)/(38 - 26) | -0.00383333 |
| ND<0.1 U (8/3/2022) | 0.223 (6/11/2019) | (0.1 - 0.223)/(39 - 26) | -0.00946154 |
| ND<0.1 U (11/16/2022) | 0.223 (6/11/2019) | (0.1 - 0.223)/(40 - 26) | -0.00878571 |
| 0.277 (2/13/2023) | 0.223 (6/11/2019) | (0.277 - 0.223)/(41 - 26) | 0.0036 |
| 0.293 (5/24/2023) | 0.223 (6/11/2019) | (0.293 - 0.223)/(42 - 26) | 0.004375 |
| ND<0.1 U (8/7/2023) | 0.223 (6/11/2019) | (0.1 - 0.223)/(43 - 26) | -0.00723529 |
| 0.164 (12/12/2023) | 0.223 (6/11/2019) | (0.164 - 0.223)/(44 - 26) | -0.00327778 |
| 0.389 (1/10/2024) | 0.223 (6/11/2019) | (0.389 - 0.223)/(45 - 26) | 0.00873684 |
| 0.102 (5/20/2024) | 0.223 (6/11/2019) | (0.102 - 0.223)/(46 - 26) | -0.00605 |
| ND<0.05 U (9/16/2024) | 0.223 (6/11/2019) | (0.05 - 0.223)/(47 - 26) | -0.0082381 |
| 0.205 (12/11/2024) | 0.223 (6/11/2019) | (0.205 - 0.223)/(48 - 26) | -0.000818182 |
| 0.345 (2/18/2025) | 0.223 (6/11/2019) | (0.345 - 0.223)/(49 - 26) | 0.00530435 |
| | | | |
| 0.197 (10/28/2019) | ND<0.1 U (8/28/2019) | (0.197 - 0.1)/(28 - 27) | 0.097 |
| 0.177 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.177 - 0.1)/(29 - 27) | 0.0385 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| 0.103 (9/21/2020) | ND<0.1 U (8/28/2019) | (0.103 - 0.1)/(31 - 27) | 0.00075 |
| 0.268 (12/17/2020) | ND<0.1 U (8/28/2019) | (0.268 - 0.1)/(32 - 27) | 0.0336 |
| 0.163 (3/18/2021) | ND<0.1 U (8/28/2019) | (0.163 - 0.1)/(33 - 27) | 0.0105 |
| 7.26 (5/5/2021) | ND<0.1 U (8/28/2019) | (7.26 - 0.1)/(34 - 27) | 1.02286 |
| 0.245 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.245 - 0.1)/(35 - 27) | 0.018125 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(36 - 27) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (8/28/2019) | (0.23 - 0.1)/(37 - 27) | 0.013 |
| 0.177 (4/7/2022) | ND<0.1 U (8/28/2019) | (0.177 - 0.1)/(38 - 27) | 0.007 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (8/28/2019) | (0.277 - 0.1)/(41 - 27) | 0.0126429 |
| 0.293 (5/24/2023) | ND<0.1 U (8/28/2019) | (0.293 - 0.1)/(42 - 27) | 0.0128667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (8/28/2019) | (0.164 - 0.1)/(44 - 27) | 0.00376471 |
| 0.389 (1/10/2024) | ND<0.1 U (8/28/2019) | (0.389 - 0.1)/(45 - 27) | 0.0160556 |
| 0.102 (5/20/2024) | ND<0.1 U (8/28/2019) | (0.102 - 0.1)/(46 - 27) | 0.000105263 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/28/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.205 (12/11/2024) | ND<0.1 U (8/28/2019) | (0.205 - 0.1)/(48 - 27) | 0.005 |
| 0.345 (2/18/2025) | ND<0.1 U (8/28/2019) | (0.345 - 0.1)/(49 - 27) | 0.0111364 |
| | | | |
| 0.177 (3/31/2020) | 0.197 (10/28/2019) | (0.177 - 0.197)/(29 - 28) | -0.02 |
| ND<0.1 U (6/10/2020) | 0.197 (10/28/2019) | (0.1 - 0.197)/(30 - 28) | -0.0485 |
| ND<0.1 U (6/10/2020) | 0.197 (10/28/2019) | (0.1 - 0.197)/(30 - 28) | -0.0485 |
| 0.103 (9/21/2020) | 0.197 (10/28/2019) | (0.103 - 0.197)/(31 - 28) | -0.0313333 |
| 0.268 (12/17/2020) | 0.197 (10/28/2019) | (0.268 - 0.197)/(32 - 28) | 0.01775 |
| 0.163 (3/18/2021) | 0.197 (10/28/2019) | (0.163 - 0.197)/(33 - 28) | -0.0068 |
| 7.26 (5/5/2021) | 0.197 (10/28/2019) | (7.26 - 0.197)/(34 - 28) | 1.17717 |
| 0.245 (9/2/2021) | 0.197 (10/28/2019) | (0.245 - 0.197)/(35 - 28) | 0.00685714 |
| ND<0.1 U (11/23/2021) | 0.197 (10/28/2019) | (0.1 - 0.197)/(36 - 28) | -0.012125 |
| 0.23 (1/10/2022) | 0.197 (10/28/2019) | (0.23 - 0.197)/(37 - 28) | 0.00366667 |
| 0.177 (4/7/2022) | 0.197 (10/28/2019) | (0.177 - 0.197)/(38 - 28) | -0.002 |
| ND<0.1 U (8/3/2022) | 0.197 (10/28/2019) | (0.1 - 0.197)/(39 - 28) | -0.00881818 |
| ND<0.1 U (11/16/2022) | 0.197 (10/28/2019) | (0.1 - 0.197)/(40 - 28) | -0.00808333 |
| 0.277 (2/13/2023) | 0.197 (10/28/2019) | (0.277 - 0.197)/(41 - 28) | 0.00615385 |
| 0.293 (5/24/2023) | 0.197 (10/28/2019) | (0.293 - 0.197)/(42 - 28) | 0.00685714 |
| ND<0.1 U (8/7/2023) | 0.197 (10/28/2019) | (0.1 - 0.197)/(43 - 28) | -0.00646667 |
| 0.164 (12/12/2023) | 0.197 (10/28/2019) | (0.164 - 0.197)/(44 - 28) | -0.0020625 |
| 0.389 (1/10/2024) | 0.197 (10/28/2019) | (0.389 - 0.197)/(45 - 28) | 0.0112941 |

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|---|---|---|---|
| 0.102 (5/20/2024) | 0.197 (10/28/2019) | (0.102 - 0.197)/(46 - 28) | -0.00527778 |
| ND<0.05 U (9/16/2024) | 0.197 (10/28/2019) | (0.05 - 0.197)/(47 - 28) | -0.00773684 |
| 0.205 (12/11/2024) | 0.197 (10/28/2019) | (0.205 - 0.197)/(48 - 28) | 0.0004 |
| 0.345 (2/18/2025) | 0.197 (10/28/2019) | (0.345 - 0.197)/(49 - 28) | 0.00704762 |
| | | | |
| ND<0.1 U (6/10/2020) | 0.177 (3/31/2020) | (0.1 - 0.177)/(30 - 29) | -0.077 |
| ND<0.1 U (6/10/2020) | 0.177 (3/31/2020) | (0.1 - 0.177)/(30 - 29) | -0.077 |
| 0.103 (9/21/2020) | 0.177 (3/31/2020) | (0.103 - 0.177)/(31 - 29) | -0.037 |
| 0.268 (12/17/2020) | 0.177 (3/31/2020) | (0.268 - 0.177)/(32 - 29) | 0.0303333 |
| 0.163 (3/18/2021) | 0.177 (3/31/2020) | (0.163 - 0.177)/(33 - 29) | -0.0035 |
| 7.26 (5/5/2021) | 0.177 (3/31/2020) | (7.26 - 0.177)/(34 - 29) | 1.4166 |
| 0.245 (9/2/2021) | 0.177 (3/31/2020) | (0.245 - 0.177)/(35 - 29) | 0.0113333 |
| ND<0.1 U (11/23/2021) | 0.177 (3/31/2020) | (0.1 - 0.177)/(36 - 29) | -0.011 |
| 0.23 (1/10/2022) | 0.177 (3/31/2020) | (0.23 - 0.177)/(37 - 29) | 0.006625 |
| 0.177 (4/7/2022) | 0.177 (3/31/2020) | (0.177 - 0.177)/(38 - 29) | 0 |
| ND<0.1 U (8/3/2022) | 0.177 (3/31/2020) | (0.1 - 0.177)/(39 - 29) | -0.0077 |
| ND<0.1 U (11/16/2022) | 0.177 (3/31/2020) | (0.1 - 0.177)/(40 - 29) | -0.007 |
| 0.277 (2/13/2023) | 0.177 (3/31/2020) | (0.277 - 0.177)/(41 - 29) | 0.00833333 |
| 0.293 (5/24/2023) | 0.177 (3/31/2020) | (0.293 - 0.177)/(42 - 29) | 0.00892308 |
| ND<0.1 U (8/7/2023) | 0.177 (3/31/2020) | (0.1 - 0.177)/(43 - 29) | -0.0055 |
| 0.164 (12/12/2023) | 0.177 (3/31/2020) | (0.164 - 0.177)/(44 - 29) | -0.000866667 |
| 0.389 (1/10/2024) | 0.177 (3/31/2020) | (0.389 - 0.177)/(45 - 29) | 0.01325 |
| 0.102 (5/20/2024) | 0.177 (3/31/2020) | (0.102 - 0.177)/(46 - 29) | -0.00441176 |
| ND<0.05 U (9/16/2024) | 0.177 (3/31/2020) | (0.05 - 0.177)/(47 - 29) | -0.00705556 |
| 0.205 (12/11/2024) | 0.177 (3/31/2020) | (0.205 - 0.177)/(48 - 29) | 0.00147368 |
| 0.345 (2/18/2025) | 0.177 (3/31/2020) | (0.345 - 0.177)/(49 - 29) | 0.0084 |
| | | | |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(30 - 30) | Same Date |
| 0.103 (9/21/2020) | ND<0.1 U (6/10/2020) | (0.103 - 0.1)/(31 - 30) | 0.003 |
| 0.268 (12/17/2020) | ND<0.1 U (6/10/2020) | (0.268 - 0.1)/(32 - 30) | 0.084 |
| 0.163 (3/18/2021) | ND<0.1 U (6/10/2020) | (0.163 - 0.1)/(33 - 30) | 0.021 |
| 7.26 (5/5/2021) | ND<0.1 U (6/10/2020) | (7.26 - 0.1)/(34 - 30) | 1.79 |
| 0.245 (9/2/2021) | ND<0.1 U (6/10/2020) | (0.245 - 0.1)/(35 - 30) | 0.029 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (6/10/2020) | (0.23 - 0.1)/(37 - 30) | 0.0185714 |
| 0.177 (4/7/2022) | ND<0.1 U (6/10/2020) | (0.177 - 0.1)/(38 - 30) | 0.009625 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (6/10/2020) | (0.277 - 0.1)/(41 - 30) | 0.0160909 |
| 0.293 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.293 - 0.1)/(42 - 30) | 0.0160833 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(43 - 30) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.164 - 0.1)/(44 - 30) | 0.00457143 |
| 0.389 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.389 - 0.1)/(45 - 30) | 0.0192667 |
| 0.102 (5/20/2024) | ND<0.1 U (6/10/2020) | (0.102 - 0.1)/(46 - 30) | 0.000125 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/10/2020) | (0.05 - 0.1)/(47 - 30) | -0.00294118 |
| 0.205 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.205 - 0.1)/(48 - 30) | 0.00583333 |
| 0.345 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.345 - 0.1)/(49 - 30) | 0.0128947 |
| | | | |
| 0.103 (9/21/2020) | ND<0.1 U (6/10/2020) | (0.103 - 0.1)/(31 - 30) | 0.003 |
| 0.268 (12/17/2020) | ND<0.1 U (6/10/2020) | (0.268 - 0.1)/(32 - 30) | 0.084 |
| 0.163 (3/18/2021) | ND<0.1 U (6/10/2020) | (0.163 - 0.1)/(33 - 30) | 0.021 |
| 7.26 (5/5/2021) | ND<0.1 U (6/10/2020) | (7.26 - 0.1)/(34 - 30) | 1.79 |
| 0.245 (9/2/2021) | ND<0.1 U (6/10/2020) | (0.245 - 0.1)/(35 - 30) | 0.029 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| 0.23 (1/10/2022) | ND<0.1 U (6/10/2020) | (0.23 - 0.1)/(37 - 30) | 0.0185714 |
| 0.177 (4/7/2022) | ND<0.1 U (6/10/2020) | (0.177 - 0.1)/(38 - 30) | 0.009625 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(39 - 30) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (6/10/2020) | (0.277 - 0.1)/(41 - 30) | 0.0160909 |
| 0.293 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.293 - 0.1)/(42 - 30) | 0.0160833 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(43 - 30) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.164 - 0.1)/(44 - 30) | 0.00457143 |
| 0.389 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.389 - 0.1)/(45 - 30) | 0.0192667 |
| 0.102 (5/20/2024) | ND<0.1 U (6/10/2020) | (0.102 - 0.1)/(46 - 30) | 0.000125 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/10/2020) | (0.05 - 0.1)/(47 - 30) | -0.00294118 |
| 0.205 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.205 - 0.1)/(48 - 30) | 0.00583333 |
| 0.345 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.345 - 0.1)/(49 - 30) | 0.0128947 |
| | | | |
| 0.268 (12/17/2020) | 0.103 (9/21/2020) | (0.268 - 0.103)/(32 - 31) | 0.165 |
| 0.163 (3/18/2021) | 0.103 (9/21/2020) | (0.163 - 0.103)/(33 - 31) | 0.03 |
| 7.26 (5/5/2021) | 0.103 (9/21/2020) | (7.26 - 0.103)/(34 - 31) | 2.38567 |
| 0.245 (9/2/2021) | 0.103 (9/21/2020) | (0.245 - 0.103)/(35 - 31) | 0.0355 |
| ND<0.1 U (11/23/2021) | 0.103 (9/21/2020) | (0.1 - 0.103)/(36 - 31) | -0.0006 |
| 0.23 (1/10/2022) | 0.103 (9/21/2020) | (0.23 - 0.103)/(37 - 31) | 0.0211667 |
| 0.177 (4/7/2022) | 0.103 (9/21/2020) | (0.177 - 0.103)/(38 - 31) | 0.0105714 |
| ND<0.1 U (8/3/2022) | 0.103 (9/21/2020) | (0.1 - 0.103)/(39 - 31) | -0.000375 |
| ND<0.1 U (11/16/2022) | 0.103 (9/21/2020) | (0.1 - 0.103)/(40 - 31) | -0.000333333 |
| 0.277 (2/13/2023) | 0.103 (9/21/2020) | (0.277 - 0.103)/(41 - 31) | 0.0174 |
| 0.293 (5/24/2023) | 0.103 (9/21/2020) | (0.293 - 0.103)/(42 - 31) | 0.0172727 |
| ND<0.1 U (8/7/2023) | 0.103 (9/21/2020) | (0.1 - 0.103)/(43 - 31) | -0.00025 |
| 0.164 (12/12/2023) | 0.103 (9/21/2020) | (0.164 - 0.103)/(44 - 31) | 0.00469231 |
| 0.389 (1/10/2024) | 0.103 (9/21/2020) | (0.389 - 0.103)/(45 - 31) | 0.0204286 |
| 0.102 (5/20/2024) | 0.103 (9/21/2020) | (0.102 - 0.103)/(46 - 31) | -6.66667e-05 |
| ND<0.05 U (9/16/2024) | 0.103 (9/21/2020) | (0.05 - 0.103)/(47 - 31) | -0.0033125 |
| 0.205 (12/11/2024) | 0.103 (9/21/2020) | (0.205 - 0.103)/(48 - 31) | 0.006 |
| 0.345 (2/18/2025) | 0.103 (9/21/2020) | (0.345 - 0.103)/(49 - 31) | 0.0134444 |
| | | | |
| 0.163 (3/18/2021) | 0.268 (12/17/2020) | (0.163 - 0.268)/(33 - 32) | -0.105 |
| 7.26 (5/5/2021) | 0.268 (12/17/2020) | (7.26 - 0.268)/(34 - 32) | 3.496 |
| 0.245 (9/2/2021) | 0.268 (12/17/2020) | (0.245 - 0.268)/(35 - 32) | -0.00766667 |
| ND<0.1 U (11/23/2021) | 0.268 (12/17/2020) | (0.1 - 0.268)/(36 - 32) | -0.042 |
| 0.23 (1/10/2022) | 0.268 (12/17/2020) | (0.23 - 0.268)/(37 - 32) | -0.0076 |
| 0.177 (4/7/2022) | 0.268 (12/17/2020) | (0.177 - 0.268)/(38 - 32) | -0.0151667 |
| ND<0.1 U (8/3/2022) | 0.268 (12/17/2020) | (0.1 - 0.268)/(39 - 32) | -0.024 |
| ND<0.1 U (11/16/2022) | 0.268 (12/17/2020) | (0.1 - 0.268)/(40 - 32) | -0.021 |
| 0.277 (2/13/2023) | 0.268 (12/17/2020) | (0.277 - 0.268)/(41 - 32) | 0.001 |
| 0.293 (5/24/2023) | 0.268 (12/17/2020) | (0.293 - 0.268)/(42 - 32) | 0.0025 |
| ND<0.1 U (8/7/2023) | 0.268 (12/17/2020) | (0.1 - 0.268)/(43 - 32) | -0.0152727 |
| 0.164 (12/12/2023) | 0.268 (12/17/2020) | (0.164 - 0.268)/(44 - 32) | -0.00866667 |
| 0.389 (1/10/2024) | 0.268 (12/17/2020) | (0.389 - 0.268)/(45 - 32) | 0.00930769 |
| 0.102 (5/20/2024) | 0.268 (12/17/2020) | (0.102 - 0.268)/(46 - 32) | -0.0118571 |
| ND<0.05 U (9/16/2024) | 0.268 (12/17/2020) | (0.05 - 0.268)/(47 - 32) | -0.0145333 |
| 0.205 (12/11/2024) | 0.268 (12/17/2020) | (0.205 - 0.268)/(48 - 32) | -0.0039375 |
| 0.345 (2/18/2025) | 0.268 (12/17/2020) | (0.345 - 0.268)/(49 - 32) | 0.00452941 |
| | | | |
| 7.26 (5/5/2021) | 0.163 (3/18/2021) | (7.26 - 0.163)/(34 - 33) | 7.097 |
| 0.245 (9/2/2021) | 0.163 (3/18/2021) | (0.245 - 0.163)/(35 - 33) | 0.041 |
| ND<0.1 U (11/23/2021) | 0.163 (3/18/2021) | (0.1 - 0.163)/(36 - 33) | -0.021 |
| 0.23 (1/10/2022) | 0.163 (3/18/2021) | (0.23 - 0.163)/(37 - 33) | 0.01675 |
| 0.177 (4/7/2022) | 0.163 (3/18/2021) | (0.177 - 0.163)/(38 - 33) | 0.0028 |
| ND<0.1 U (8/3/2022) | 0.163 (3/18/2021) | (0.1 - 0.163)/(39 - 33) | -0.0105 |
| ND<0.1 U (11/16/2022) | 0.163 (3/18/2021) | (0.1 - 0.163)/(40 - 33) | -0.009 |
| 0.277 (2/13/2023) | 0.163 (3/18/2021) | (0.277 - 0.163)/(41 - 33) | 0.01425 |
| 0.293 (5/24/2023) | 0.163 (3/18/2021) | (0.293 - 0.163)/(42 - 33) | 0.0144444 |

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|---|---|---|---|
| ND<0.1 U (8/7/2023) | 0.163 (3/18/2021) | (0.1 - 0.163)/(43 - 33) | -0.0063 |
| 0.164 (12/12/2023) | 0.163 (3/18/2021) | (0.164 - 0.163)/(44 - 33) | 9.09091e-05 |
| 0.389 (1/10/2024) | 0.163 (3/18/2021) | (0.389 - 0.163)/(45 - 33) | 0.0188333 |
| 0.102 (5/20/2024) | 0.163 (3/18/2021) | (0.102 - 0.163)/(46 - 33) | -0.00469231 |
| ND<0.05 U (9/16/2024) | 0.163 (3/18/2021) | (0.05 - 0.163)/(47 - 33) | -0.00807143 |
| 0.205 (12/11/2024) | 0.163 (3/18/2021) | (0.205 - 0.163)/(48 - 33) | 0.0028 |
| 0.345 (2/18/2025) | 0.163 (3/18/2021) | (0.345 - 0.163)/(49 - 33) | 0.011375 |
| | | | |
| 0.245 (9/2/2021) | 7.26 (5/5/2021) | (0.245 - 7.26)/(35 - 34) | -7.015 |
| ND<0.1 U (11/23/2021) | 7.26 (5/5/2021) | (0.1 - 7.26)/(36 - 34) | -3.58 |
| 0.23 (1/10/2022) | 7.26 (5/5/2021) | (0.23 - 7.26)/(37 - 34) | -2.34333 |
| 0.177 (4/7/2022) | 7.26 (5/5/2021) | (0.177 - 7.26)/(38 - 34) | -1.77075 |
| ND<0.1 U (8/3/2022) | 7.26 (5/5/2021) | (0.1 - 7.26)/(39 - 34) | -1.432 |
| ND<0.1 U (11/16/2022) | 7.26 (5/5/2021) | (0.1 - 7.26)/(40 - 34) | -1.19333 |
| 0.277 (2/13/2023) | 7.26 (5/5/2021) | (0.277 - 7.26)/(41 - 34) | -0.997571 |
| 0.293 (5/24/2023) | 7.26 (5/5/2021) | (0.293 - 7.26)/(42 - 34) | -0.870875 |
| ND<0.1 U (8/7/2023) | 7.26 (5/5/2021) | (0.1 - 7.26)/(43 - 34) | -0.795556 |
| 0.164 (12/12/2023) | 7.26 (5/5/2021) | (0.164 - 7.26)/(44 - 34) | -0.7096 |
| 0.389 (1/10/2024) | 7.26 (5/5/2021) | (0.389 - 7.26)/(45 - 34) | -0.624636 |
| 0.102 (5/20/2024) | 7.26 (5/5/2021) | (0.102 - 7.26)/(46 - 34) | -0.5965 |
| ND<0.05 U (9/16/2024) | 7.26 (5/5/2021) | (0.05 - 7.26)/(47 - 34) | -0.554615 |
| 0.205 (12/11/2024) | 7.26 (5/5/2021) | (0.205 - 7.26)/(48 - 34) | -0.503929 |
| 0.345 (2/18/2025) | 7.26 (5/5/2021) | (0.345 - 7.26)/(49 - 34) | -0.461 |
| | | | |
| ND<0.1 U (11/23/2021) | 0.245 (9/2/2021) | (0.1 - 0.245)/(36 - 35) | -0.145 |
| 0.23 (1/10/2022) | 0.245 (9/2/2021) | (0.23 - 0.245)/(37 - 35) | -0.0075 |
| 0.177 (4/7/2022) | 0.245 (9/2/2021) | (0.177 - 0.245)/(38 - 35) | -0.0226667 |
| ND<0.1 U (8/3/2022) | 0.245 (9/2/2021) | (0.1 - 0.245)/(39 - 35) | -0.03625 |
| ND<0.1 U (11/16/2022) | 0.245 (9/2/2021) | (0.1 - 0.245)/(40 - 35) | -0.029 |
| 0.277 (2/13/2023) | 0.245 (9/2/2021) | (0.277 - 0.245)/(41 - 35) | 0.00533333 |
| 0.293 (5/24/2023) | 0.245 (9/2/2021) | (0.293 - 0.245)/(42 - 35) | 0.00685714 |
| ND<0.1 U (8/7/2023) | 0.245 (9/2/2021) | (0.1 - 0.245)/(43 - 35) | -0.018125 |
| 0.164 (12/12/2023) | 0.245 (9/2/2021) | (0.164 - 0.245)/(44 - 35) | -0.009 |
| 0.389 (1/10/2024) | 0.245 (9/2/2021) | (0.389 - 0.245)/(45 - 35) | 0.0144 |
| 0.102 (5/20/2024) | 0.245 (9/2/2021) | (0.102 - 0.245)/(46 - 35) | -0.013 |
| ND<0.05 U (9/16/2024) | 0.245 (9/2/2021) | (0.05 - 0.245)/(47 - 35) | -0.01625 |
| 0.205 (12/11/2024) | 0.245 (9/2/2021) | (0.205 - 0.245)/(48 - 35) | -0.00307692 |
| 0.345 (2/18/2025) | 0.245 (9/2/2021) | (0.345 - 0.245)/(49 - 35) | 0.00714286 |
| | | | |
| 0.23 (1/10/2022) | ND<0.1 U (11/23/2021) | (0.23 - 0.1)/(37 - 36) | 0.13 |
| 0.177 (4/7/2022) | ND<0.1 U (11/23/2021) | (0.177 - 0.1)/(38 - 36) | 0.0385 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (11/23/2021) | (0.277 - 0.1)/(41 - 36) | 0.0354 |
| 0.293 (5/24/2023) | ND<0.1 U (11/23/2021) | (0.293 - 0.1)/(42 - 36) | 0.0321667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(43 - 36) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.164 - 0.1)/(44 - 36) | 0.008 |
| 0.389 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.389 - 0.1)/(45 - 36) | 0.0321111 |
| 0.102 (5/20/2024) | ND<0.1 U (11/23/2021) | (0.102 - 0.1)/(46 - 36) | 0.0002 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/23/2021) | (0.05 - 0.1)/(47 - 36) | -0.00454545 |
| 0.205 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.205 - 0.1)/(48 - 36) | 0.00875 |
| 0.345 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.345 - 0.1)/(49 - 36) | 0.0188462 |
| | | | |
| 0.177 (4/7/2022) | 0.23 (1/10/2022) | (0.177 - 0.23)/(38 - 37) | -0.053 |
| ND<0.1 U (8/3/2022) | 0.23 (1/10/2022) | (0.1 - 0.23)/(39 - 37) | -0.065 |
| ND<0.1 U (11/16/2022) | 0.23 (1/10/2022) | (0.1 - 0.23)/(40 - 37) | -0.0433333 |
| 0.277 (2/13/2023) | 0.23 (1/10/2022) | (0.277 - 0.23)/(41 - 37) | 0.01175 |

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| 0.293 (5/24/2023) | 0.23 (1/10/2022) | (0.293 - 0.23)/(42 - 37) | 0.0126 |
| ND<0.1 U (8/7/2023) | 0.23 (1/10/2022) | (0.1 - 0.23)/(43 - 37) | -0.0216667 |
| 0.164 (12/12/2023) | 0.23 (1/10/2022) | (0.164 - 0.23)/(44 - 37) | -0.00942857 |
| 0.389 (1/10/2024) | 0.23 (1/10/2022) | (0.389 - 0.23)/(45 - 37) | 0.019875 |
| 0.102 (5/20/2024) | 0.23 (1/10/2022) | (0.102 - 0.23)/(46 - 37) | -0.0142222 |
| ND<0.05 U (9/16/2024) | 0.23 (1/10/2022) | (0.05 - 0.23)/(47 - 37) | -0.018 |
| 0.205 (12/11/2024) | 0.23 (1/10/2022) | (0.205 - 0.23)/(48 - 37) | -0.00227273 |
| 0.345 (2/18/2025) | 0.23 (1/10/2022) | (0.345 - 0.23)/(49 - 37) | 0.00958333 |
| | | | |
| ND<0.1 U (8/3/2022) | 0.177 (4/7/2022) | (0.1 - 0.177)/(39 - 38) | -0.077 |
| ND<0.1 U (11/16/2022) | 0.177 (4/7/2022) | (0.1 - 0.177)/(40 - 38) | -0.0385 |
| 0.277 (2/13/2023) | 0.177 (4/7/2022) | (0.277 - 0.177)/(41 - 38) | 0.0333333 |
| 0.293 (5/24/2023) | 0.177 (4/7/2022) | (0.293 - 0.177)/(42 - 38) | 0.029 |
| ND<0.1 U (8/7/2023) | 0.177 (4/7/2022) | (0.1 - 0.177)/(43 - 38) | -0.0154 |
| 0.164 (12/12/2023) | 0.177 (4/7/2022) | (0.164 - 0.177)/(44 - 38) | -0.00216667 |
| 0.389 (1/10/2024) | 0.177 (4/7/2022) | (0.389 - 0.177)/(45 - 38) | 0.0302857 |
| 0.102 (5/20/2024) | 0.177 (4/7/2022) | (0.102 - 0.177)/(46 - 38) | -0.009375 |
| ND<0.05 U (9/16/2024) | 0.177 (4/7/2022) | (0.05 - 0.177)/(47 - 38) | -0.0141111 |
| 0.205 (12/11/2024) | 0.177 (4/7/2022) | (0.205 - 0.177)/(48 - 38) | 0.0028 |
| 0.345 (2/18/2025) | 0.177 (4/7/2022) | (0.345 - 0.177)/(49 - 38) | 0.0152727 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| 0.277 (2/13/2023) | ND<0.1 U (8/3/2022) | (0.277 - 0.1)/(41 - 39) | 0.0885 |
| 0.293 (5/24/2023) | ND<0.1 U (8/3/2022) | (0.293 - 0.1)/(42 - 39) | 0.0643333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(43 - 39) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (8/3/2022) | (0.164 - 0.1)/(44 - 39) | 0.0128 |
| 0.389 (1/10/2024) | ND<0.1 U (8/3/2022) | (0.389 - 0.1)/(45 - 39) | 0.0481667 |
| 0.102 (5/20/2024) | ND<0.1 U (8/3/2022) | (0.102 - 0.1)/(46 - 39) | 0.000285714 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/3/2022) | (0.05 - 0.1)/(47 - 39) | -0.00625 |
| 0.205 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.205 - 0.1)/(48 - 39) | 0.0116667 |
| 0.345 (2/18/2025) | ND<0.1 U (8/3/2022) | (0.345 - 0.1)/(49 - 39) | 0.0245 |
| | | | |
| 0.277 (2/13/2023) | ND<0.1 U (11/16/2022) | (0.277 - 0.1)/(41 - 40) | 0.177 |
| 0.293 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.293 - 0.1)/(42 - 40) | 0.0965 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| 0.164 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.164 - 0.1)/(44 - 40) | 0.016 |
| 0.389 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.389 - 0.1)/(45 - 40) | 0.0578 |
| 0.102 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.102 - 0.1)/(46 - 40) | 0.000333333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(47 - 40) | -0.00714286 |
| 0.205 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.205 - 0.1)/(48 - 40) | 0.013125 |
| 0.345 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.345 - 0.1)/(49 - 40) | 0.0272222 |
| | | | |
| 0.293 (5/24/2023) | 0.277 (2/13/2023) | (0.293 - 0.277)/(42 - 41) | 0.016 |
| ND<0.1 U (8/7/2023) | 0.277 (2/13/2023) | (0.1 - 0.277)/(43 - 41) | -0.0885 |
| 0.164 (12/12/2023) | 0.277 (2/13/2023) | (0.164 - 0.277)/(44 - 41) | -0.0376667 |
| 0.389 (1/10/2024) | 0.277 (2/13/2023) | (0.389 - 0.277)/(45 - 41) | 0.028 |
| 0.102 (5/20/2024) | 0.277 (2/13/2023) | (0.102 - 0.277)/(46 - 41) | -0.035 |
| ND<0.05 U (9/16/2024) | 0.277 (2/13/2023) | (0.05 - 0.277)/(47 - 41) | -0.0378333 |
| 0.205 (12/11/2024) | 0.277 (2/13/2023) | (0.205 - 0.277)/(48 - 41) | -0.0102857 |
| 0.345 (2/18/2025) | 0.277 (2/13/2023) | (0.345 - 0.277)/(49 - 41) | 0.0085 |
| | | | |
| ND<0.1 U (8/7/2023) | 0.293 (5/24/2023) | (0.1 - 0.293)/(43 - 42) | -0.193 |
| 0.164 (12/12/2023) | 0.293 (5/24/2023) | (0.164 - 0.293)/(44 - 42) | -0.0645 |
| 0.389 (1/10/2024) | 0.293 (5/24/2023) | (0.389 - 0.293)/(45 - 42) | 0.032 |
| 0.102 (5/20/2024) | 0.293 (5/24/2023) | (0.102 - 0.293)/(46 - 42) | -0.04775 |
| ND<0.05 U (9/16/2024) | 0.293 (5/24/2023) | (0.05 - 0.293)/(47 - 42) | -0.0486 |
| 0.205 (12/11/2024) | 0.293 (5/24/2023) | (0.205 - 0.293)/(48 - 42) | -0.0146667 |

| | | | |
|---|---|---|---|
| 0.345 (2/18/2025) | 0.293 (5/24/2023) | (0.345 - 0.293)/(49 - 42) | 0.00742857 |
| | | | |
| 0.164 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.164 - 0.1)/(44 - 43) | 0.064 |
| 0.389 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.389 - 0.1)/(45 - 43) | 0.1445 |
| 0.102 (5/20/2024) | ND<0.1 U (8/7/2023) | (0.102 - 0.1)/(46 - 43) | 0.000666667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.205 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.205 - 0.1)/(48 - 43) | 0.021 |
| 0.345 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.345 - 0.1)/(49 - 43) | 0.0408333 |
| | | | |
| 0.389 (1/10/2024) | 0.164 (12/12/2023) | (0.389 - 0.164)/(45 - 44) | 0.225 |
| 0.102 (5/20/2024) | 0.164 (12/12/2023) | (0.102 - 0.164)/(46 - 44) | -0.031 |
| ND<0.05 U (9/16/2024) | 0.164 (12/12/2023) | (0.05 - 0.164)/(47 - 44) | -0.038 |
| 0.205 (12/11/2024) | 0.164 (12/12/2023) | (0.205 - 0.164)/(48 - 44) | 0.01025 |
| 0.345 (2/18/2025) | 0.164 (12/12/2023) | (0.345 - 0.164)/(49 - 44) | 0.0362 |
| | | | |
| 0.102 (5/20/2024) | 0.389 (1/10/2024) | (0.102 - 0.389)/(46 - 45) | -0.287 |
| ND<0.05 U (9/16/2024) | 0.389 (1/10/2024) | (0.05 - 0.389)/(47 - 45) | -0.1695 |
| 0.205 (12/11/2024) | 0.389 (1/10/2024) | (0.205 - 0.389)/(48 - 45) | -0.0613333 |
| 0.345 (2/18/2025) | 0.389 (1/10/2024) | (0.345 - 0.389)/(49 - 45) | -0.011 |
| | | | |
| ND<0.05 U (9/16/2024) | 0.102 (5/20/2024) | (0.05 - 0.102)/(47 - 46) | -0.052 |
| 0.205 (12/11/2024) | 0.102 (5/20/2024) | (0.205 - 0.102)/(48 - 46) | 0.0515 |
| 0.345 (2/18/2025) | 0.102 (5/20/2024) | (0.345 - 0.102)/(49 - 46) | 0.081 |
| | | | |
| 0.205 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.205 - 0.05)/(48 - 47) | 0.155 |
| 0.345 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.345 - 0.05)/(49 - 47) | 0.1475 |
| | | | |
| 0.345 (2/18/2025) | 0.205 (12/11/2024) | (0.345 - 0.205)/(49 - 48) | 0.14 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -7.015 |
| 2 | -3.58 |
| 3 | -2.34333 |
| 4 | -1.77075 |
| 5 | -1.432 |
| 6 | -1.19333 |
| 7 | -0.997571 |
| 8 | -0.870875 |
| 9 | -0.795556 |
| 10 | -0.7096 |
| 11 | -0.624636 |
| 12 | -0.5965 |
| 13 | -0.554615 |
| 14 | -0.503929 |
| 15 | -0.461 |
| 16 | -0.287 |
| 17 | -0.254 |
| 18 | -0.2 |
| 19 | -0.193 |
| 20 | -0.1695 |
| 21 | -0.15 |
| 22 | -0.15 |
| 23 | -0.145 |

| | |
|---|---|
| 24 | -0.124 |
| 25 | -0.123 |
| 26 | -0.12 |
| 27 | -0.11 |
| 28 | -0.105 |
| 29 | -0.105 |
| 30 | -0.09 |
| 31 | -0.0885 |
| 32 | -0.0785 |
| 33 | -0.077 |
| 34 | -0.077 |
| 35 | -0.077 |
| 36 | -0.075 |
| 37 | -0.075 |
| 38 | -0.071 |
| 39 | -0.07 |
| 40 | -0.065 |
| 41 | -0.0645 |
| 42 | -0.0613333 |
| 43 | -0.06 |
| 44 | -0.06 |
| 45 | -0.06 |
| 46 | -0.056 |
| 47 | -0.055 |
| 48 | -0.053 |
| 49 | -0.052 |
| 50 | -0.049 |
| 51 | -0.0486 |
| 52 | -0.0485 |
| 53 | -0.0485 |
| 54 | -0.04775 |
| 55 | -0.045 |
| 56 | -0.0433333 |
| 57 | -0.0426667 |
| 58 | -0.042 |
| 59 | -0.04 |
| 60 | -0.04 |
| 61 | -0.04 |
| 62 | -0.0385 |
| 63 | -0.038 |
| 64 | -0.0378333 |
| 65 | -0.0376667 |
| 66 | -0.0375 |
| 67 | -0.037 |
| 68 | -0.0366667 |
| 69 | -0.03625 |
| 70 | -0.0355 |
| 71 | -0.0355 |
| 72 | -0.035 |
| 73 | -0.035 |
| 74 | -0.035 |
| 75 | -0.034 |
| 76 | -0.0314 |
| 77 | -0.0314 |
| 78 | -0.0313333 |
| 79 | -0.031 |
| 80 | -0.03075 |

| | |
|---|---|
| 81 | -0.03075 |
| 82 | -0.0306667 |
| 83 | -0.03 |
| 84 | -0.03 |
| 85 | -0.03 |
| 86 | -0.03 |
| 87 | -0.03 |
| 88 | -0.03 |
| 89 | -0.029 |
| 90 | -0.029 |
| 91 | -0.0284444 |
| 92 | -0.0284444 |
| 93 | -0.028 |
| 94 | -0.028 |
| 95 | -0.0272 |
| 96 | -0.0266 |
| 97 | -0.0257143 |
| 98 | -0.0257143 |
| 99 | -0.0256667 |
| 100 | -0.0253 |
| 101 | -0.025 |
| 102 | -0.025 |
| 103 | -0.025 |
| 104 | -0.02475 |
| 105 | -0.024 |
| 106 | -0.024 |
| 107 | -0.0236 |
| 108 | -0.0233333 |
| 109 | -0.0233333 |
| 110 | -0.0227143 |
| 111 | -0.0226667 |
| 112 | -0.022375 |
| 113 | -0.022 |
| 114 | -0.0216667 |
| 115 | -0.021 |
| 116 | -0.021 |
| 117 | -0.021 |
| 118 | -0.02 |
| 119 | -0.02 |
| 120 | -0.02 |
| 121 | -0.02 |
| 122 | -0.01875 |
| 123 | -0.0186667 |
| 124 | -0.0183333 |
| 125 | -0.018125 |
| 126 | -0.018 |
| 127 | -0.018 |
| 128 | -0.0178 |
| 129 | -0.01775 |
| 130 | -0.0175 |
| 131 | -0.0175 |
| 132 | -0.0171429 |
| 133 | -0.0170667 |
| 134 | -0.0166667 |
| 135 | -0.0166667 |
| 136 | -0.0164444 |
| 137 | -0.0163636 |

| | |
|---|---|
| 138 | -0.01625 |
| 139 | -0.0161538 |
| 140 | -0.0160833 |
| 141 | -0.0156364 |
| 142 | -0.0155556 |
| 143 | -0.0154545 |
| 144 | -0.0154 |
| 145 | -0.0153333 |
| 146 | -0.0152727 |
| 147 | -0.0151667 |
| 148 | -0.015 |
| 149 | -0.015 |
| 150 | -0.015 |
| 151 | -0.0146667 |
| 152 | -0.0145333 |
| 153 | -0.0143333 |
| 154 | -0.0142857 |
| 155 | -0.0142857 |
| 156 | -0.0142727 |
| 157 | -0.0142222 |
| 158 | -0.0142222 |
| 159 | -0.0142 |
| 160 | -0.0142 |
| 161 | -0.0141111 |
| 162 | -0.014 |
| 163 | -0.0134737 |
| 164 | -0.0133333 |
| 165 | -0.0133125 |
| 166 | -0.013 |
| 167 | -0.013 |
| 168 | -0.0127143 |
| 169 | -0.0125 |
| 170 | -0.0123333 |
| 171 | -0.0123 |
| 172 | -0.0122353 |
| 173 | -0.0122222 |
| 174 | -0.012125 |
| 175 | -0.012 |
| 176 | -0.012 |
| 177 | -0.012 |
| 178 | -0.012 |
| 179 | -0.012 |
| 180 | -0.0118571 |
| 181 | -0.0117692 |
| 182 | -0.01175 |
| 183 | -0.0116364 |
| 184 | -0.0115385 |
| 185 | -0.0114667 |
| 186 | -0.0114348 |
| 187 | -0.0112222 |
| 188 | -0.0112143 |
| 189 | -0.0112105 |
| 190 | -0.011 |
| 191 | -0.011 |
| 192 | -0.0109231 |
| 193 | -0.0109091 |
| 194 | -0.0107143 |

| | |
|---|---|
| 195 | -0.0107143 |
| 196 | -0.0106154 |
| 197 | -0.0105294 |
| 198 | -0.0105 |
| 199 | -0.0104667 |
| 200 | -0.0102857 |
| 201 | -0.01016 |
| 202 | -0.01 |
| 203 | -0.01 |
| 204 | -0.01 |
| 205 | -0.01 |
| 206 | -0.01 |
| 207 | -0.01 |
| 208 | -0.01 |
| 209 | -0.01 |
| 210 | -0.00971429 |
| 211 | -0.00959091 |
| 212 | -0.00954545 |
| 213 | -0.00947368 |
| 214 | -0.00946154 |
| 215 | -0.00942857 |
| 216 | -0.00942857 |
| 217 | -0.00940909 |
| 218 | -0.009375 |
| 219 | -0.00931579 |
| 220 | -0.00923077 |
| 221 | -0.00923077 |
| 222 | -0.00916667 |
| 223 | -0.009 |
| 224 | -0.009 |
| 225 | -0.00882353 |
| 226 | -0.00882353 |
| 227 | -0.00882353 |
| 228 | -0.00882353 |
| 229 | -0.00881818 |
| 230 | -0.00881818 |
| 231 | -0.00878571 |
| 232 | -0.00872222 |
| 233 | -0.00866667 |
| 234 | -0.00857143 |
| 235 | -0.00857143 |
| 236 | -0.00846154 |
| 237 | -0.0084 |
| 238 | -0.0084 |
| 239 | -0.00835714 |
| 240 | -0.00834783 |
| 241 | -0.00833333 |
| 242 | -0.0082381 |
| 243 | -0.00818182 |
| 244 | -0.00818182 |
| 245 | -0.00816667 |
| 246 | -0.00808333 |
| 247 | -0.00807143 |
| 248 | -0.008 |
| 249 | -0.008 |
| 250 | -0.00796154 |
| 251 | -0.00792857 |

| | |
|---|---|
| 252 | -0.007875 |
| 253 | -0.00777778 |
| 254 | -0.00773684 |
| 255 | -0.0077 |
| 256 | -0.00769565 |
| 257 | -0.00766667 |
| 258 | -0.0076 |
| 259 | -0.0075 |
| 260 | -0.0075 |
| 261 | -0.0075 |
| 262 | -0.0075 |
| 263 | -0.0075 |
| 264 | -0.0075 |
| 265 | -0.0075 |
| 266 | -0.00745 |
| 267 | -0.00738095 |
| 268 | -0.00733333 |
| 269 | -0.00733333 |
| 270 | -0.00723529 |
| 271 | -0.00714286 |
| 272 | -0.00714286 |
| 273 | -0.00705556 |
| 274 | -0.00704762 |
| 275 | -0.007 |
| 276 | -0.007 |
| 277 | -0.006875 |
| 278 | -0.0068 |
| 279 | -0.00677419 |
| 280 | -0.00666667 |
| 281 | -0.00666667 |
| 282 | -0.00666667 |
| 283 | -0.00666667 |
| 284 | -0.00666667 |
| 285 | -0.00666667 |
| 286 | -0.00666667 |
| 287 | -0.00657143 |
| 288 | -0.00655556 |
| 289 | -0.00652174 |
| 290 | -0.00647059 |
| 291 | -0.00646667 |
| 292 | -0.00645455 |
| 293 | -0.00642857 |
| 294 | -0.00642857 |
| 295 | -0.00638462 |
| 296 | -0.00633333 |
| 297 | -0.00631579 |
| 298 | -0.0063 |
| 299 | -0.00625 |
| 300 | -0.00625 |
| 301 | -0.00622727 |
| 302 | -0.00619048 |
| 303 | -0.00618182 |
| 304 | -0.00617647 |
| 305 | -0.00615385 |
| 306 | -0.00605882 |
| 307 | -0.00605 |
| 308 | -0.006 |

| | |
|---|---|
| 309 | -0.006 |
| 310 | -0.00589744 |
| 311 | -0.00589474 |
| 312 | -0.00588235 |
| 313 | -0.00580645 |
| 314 | -0.00580645 |
| 315 | -0.00576923 |
| 316 | -0.00576923 |
| 317 | -0.00576923 |
| 318 | -0.00566667 |
| 319 | -0.005625 |
| 320 | -0.005625 |
| 321 | -0.00559259 |
| 322 | -0.00557143 |
| 323 | -0.00555556 |
| 324 | -0.00555556 |
| 325 | -0.00554167 |
| 326 | -0.00552632 |
| 327 | -0.0055 |
| 328 | -0.00545455 |
| 329 | -0.00540541 |
| 330 | -0.0054 |
| 331 | -0.00527778 |
| 332 | -0.00526316 |
| 333 | -0.00525 |
| 334 | -0.00523529 |
| 335 | -0.00521739 |
| 336 | -0.00521739 |
| 337 | -0.0051875 |
| 338 | -0.00518519 |
| 339 | -0.00517241 |
| 340 | -0.00517241 |
| 341 | -0.00517241 |
| 342 | -0.00514286 |
| 343 | -0.00507317 |
| 344 | -0.005 |
| 345 | -0.005 |
| 346 | -0.005 |
| 347 | -0.005 |
| 348 | -0.005 |
| 349 | -0.005 |
| 350 | -0.00491304 |
| 351 | -0.00490476 |
| 352 | -0.0049 |
| 353 | -0.00489474 |
| 354 | -0.00485714 |
| 355 | -0.00469231 |
| 356 | -0.00468421 |
| 357 | -0.00468 |
| 358 | -0.00466667 |
| 359 | -0.00461538 |
| 360 | -0.00461538 |
| 361 | -0.00461538 |
| 362 | -0.00457143 |
| 363 | -0.0045625 |
| 364 | -0.00454545 |
| 365 | -0.00454545 |

| | |
|---|---|
| 366 | -0.00451613 |
| 367 | -0.0045 |
| 368 | -0.00448485 |
| 369 | -0.00441176 |
| 370 | -0.0044 |
| 371 | -0.00435 |
| 372 | -0.00434783 |
| 373 | -0.00434783 |
| 374 | -0.00433333 |
| 375 | -0.00428571 |
| 376 | -0.00428571 |
| 377 | -0.00428571 |
| 378 | -0.00415 |
| 379 | -0.00414286 |
| 380 | -0.00411765 |
| 381 | -0.00411111 |
| 382 | -0.00407143 |
| 383 | -0.00406897 |
| 384 | -0.0040303 |
| 385 | -0.00396154 |
| 386 | -0.00395349 |
| 387 | -0.00395 |
| 388 | -0.00394737 |
| 389 | -0.0039375 |
| 390 | -0.00392857 |
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| 1120 | 0.029 |
| 1121 | 0.029 |
| 1122 | 0.03 |
| 1123 | 0.03025 |
| 1124 | 0.0302857 |
| 1125 | 0.0303333 |
| 1126 | 0.032 |
| 1127 | 0.0321111 |
| 1128 | 0.0321667 |
| 1129 | 0.0333333 |
| 1130 | 0.0333333 |
| 1131 | 0.0336 |
| 1132 | 0.034 |
| 1133 | 0.035 |
| 1134 | 0.0354 |
| 1135 | 0.0355 |
| 1136 | 0.0355 |
| 1137 | 0.036 |
| 1138 | 0.036 |
| 1139 | 0.0362 |
| 1140 | 0.0365714 |
| 1141 | 0.0383333 |
| 1142 | 0.0385 |
| 1143 | 0.0385 |
| 1144 | 0.04 |
| 1145 | 0.04 |
| 1146 | 0.0408333 |
| 1147 | 0.041 |
| 1148 | 0.0426 |
| 1149 | 0.0426667 |
| 1150 | 0.0432 |
| 1151 | 0.0433333 |
| 1152 | 0.0481667 |
| 1153 | 0.05 |
| 1154 | 0.05 |
| 1155 | 0.0515 |
| 1156 | 0.0516667 |
| 1157 | 0.0578 |
| 1158 | 0.06 |
| 1159 | 0.064 |
| 1160 | 0.0643333 |
| 1161 | 0.07 |
| 1162 | 0.0745 |
| 1163 | 0.075 |

| | |
|---|---|
| 1164 | 0.08 |
| 1165 | 0.081 |
| 1166 | 0.084 |
| 1167 | 0.084 |
| 1168 | 0.085 |
| 1169 | 0.0853333 |
| 1170 | 0.0885 |
| 1171 | 0.09 |
| 1172 | 0.0965 |
| 1173 | 0.097 |
| 1174 | 0.1 |
| 1175 | 0.105 |
| 1176 | 0.1055 |
| 1177 | 0.12 |
| 1178 | 0.128 |
| 1179 | 0.13 |
| 1180 | 0.14 |
| 1181 | 0.1445 |
| 1182 | 0.1475 |
| 1183 | 0.155 |
| 1184 | 0.156 |
| 1185 | 0.165 |
| 1186 | 0.177 |
| 1187 | 0.18 |
| 1188 | 0.18 |
| 1189 | 0.205 |
| 1190 | 0.212424 |
| 1191 | 0.220312 |
| 1192 | 0.225 |
| 1193 | 0.230968 |
| 1194 | 0.234667 |
| 1195 | 0.239655 |
| 1196 | 0.255357 |
| 1197 | 0.265185 |
| 1198 | 0.268462 |
| 1199 | 0.2808 |
| 1200 | 0.292083 |
| 1201 | 0.311304 |
| 1202 | 0.317273 |
| 1203 | 0.33381 |
| 1204 | 0.358 |
| 1205 | 0.376842 |
| 1206 | 0.395556 |
| 1207 | 0.414118 |
| 1208 | 0.4475 |
| 1209 | 0.477333 |
| 1210 | 0.504286 |
| 1211 | 0.531077 |
| 1212 | 0.5965 |
| 1213 | 0.650182 |
| 1214 | 0.6947 |
| 1215 | 0.778111 |
| 1216 | 0.879625 |
| 1217 | 1.02286 |
| 1218 | 1.17717 |
| 1219 | 1.4166 |
| 1220 | 1.79 |

| | |
|---|---|
| 1221 | 1.79 |
| 1222 | 2.38567 |
| 1223 | 3.496 |
| 1224 | 7.097 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.25 | 3 |
| 2 | 0.1 | 14 |
| 3 | 0.22 | 2 |
| 4 | 0.28 | 2 |
| 5 | 0.102 | 2 |
| 6 | 0.177 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |

| | |
|---|---|
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 1 time periods with multiple data

---

A = 6144
B = 18
C = 2190
D = 0
E = 196
F = 2
a = 257250
b = 1.0584e+06
c = 4900
Group Variance = 13949.4
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 194.27
M1 = (1224 - 194.27)/2.0 = 514.865
M2 = (1224 + 194.27)/2.0 + 1 = 710.135
Lower limit is -0.00108 = Q(515)
Upper limit is 0.0005 = Q(710)
-0.00108 < 0 < 0.0005 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: GD 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.23 (5/8/2013) | 0.21 (3/12/2013) | (0.23 - 0.21)/(2 - 1) | 0.02 |
| ND<0.1 U (9/23/2013) | 0.21 (3/12/2013) | (0.1 - 0.21)/(3 - 1) | -0.055 |
| 0.37 (12/10/2013) | 0.21 (3/12/2013) | (0.37 - 0.21)/(4 - 1) | 0.0533333 |
| 0.26 (2/6/2014) | 0.21 (3/12/2013) | (0.26 - 0.21)/(5 - 1) | 0.0125 |
| ND<0.1 U (6/26/2014) | 0.21 (3/12/2013) | (0.1 - 0.21)/(6 - 1) | -0.022 |
| ND<0.1 U (9/30/2014) | 0.21 (3/12/2013) | (0.1 - 0.21)/(7 - 1) | -0.0183333 |
| 0.22 (11/19/2014) | 0.21 (3/12/2013) | (0.22 - 0.21)/(8 - 1) | 0.00142857 |
| 0.22 (3/23/2015) | 0.21 (3/12/2013) | (0.22 - 0.21)/(9 - 1) | 0.00125 |
| 0.22 (4/22/2015) | 0.21 (3/12/2013) | (0.22 - 0.21)/(10 - 1) | 0.00111111 |
| ND<0.1 U (9/30/2015) | 0.21 (3/12/2013) | (0.1 - 0.21)/(11 - 1) | -0.011 |
| 0.47 (11/19/2015) | 0.21 (3/12/2013) | (0.47 - 0.21)/(12 - 1) | 0.0236364 |
| 0.12 (3/15/2016) | 0.21 (3/12/2013) | (0.12 - 0.21)/(13 - 1) | -0.0075 |
| ND<0.1 U (6/29/2016) | 0.21 (3/12/2013) | (0.1 - 0.21)/(14 - 1) | -0.00846154 |
| ND<0.1 U (8/9/2016) | 0.21 (3/12/2013) | (0.1 - 0.21)/(15 - 1) | -0.00785714 |
| 0.37 (12/7/2016) | 0.21 (3/12/2013) | (0.37 - 0.21)/(16 - 1) | 0.0106667 |
| 0.25 (3/2/2017) | 0.21 (3/12/2013) | (0.25 - 0.21)/(17 - 1) | 0.0025 |
| ND<0.1 U (6/21/2017) | 0.21 (3/12/2013) | (0.1 - 0.21)/(18 - 1) | -0.00647059 |
| ND<0.1 U (8/17/2017) | 0.21 (3/12/2013) | (0.1 - 0.21)/(19 - 1) | -0.00611111 |
| 0.13 (10/26/2017) | 0.21 (3/12/2013) | (0.13 - 0.21)/(20 - 1) | -0.00421053 |
| 0.233 (3/27/2018) | 0.21 (3/12/2013) | (0.233 - 0.21)/(21 - 1) | 0.00115 |
| 0.108 (6/26/2018) | 0.21 (3/12/2013) | (0.108 - 0.21)/(22 - 1) | -0.00485714 |
| 0.335 (8/1/2018) | 0.21 (3/12/2013) | (0.335 - 0.21)/(23 - 1) | 0.00568182 |
| 0.397 (12/11/2018) | 0.21 (3/12/2013) | (0.397 - 0.21)/(24 - 1) | 0.00813043 |
| 0.198 (4/17/2019) | 0.21 (3/12/2013) | (0.198 - 0.21)/(25 - 1) | -0.0005 |
| ND<0.1 U (6/11/2019) | 0.21 (3/12/2013) | (0.1 - 0.21)/(26 - 1) | -0.0044 |
| ND<0.1 U (8/28/2019) | 0.21 (3/12/2013) | (0.1 - 0.21)/(27 - 1) | -0.00423077 |
| 0.198 (10/28/2019) | 0.21 (3/12/2013) | (0.198 - 0.21)/(28 - 1) | -0.000444444 |
| 0.212 (3/31/2020) | 0.21 (3/12/2013) | (0.212 - 0.21)/(29 - 1) | 7.14286e-05 |
| 0.127 (6/10/2020) | 0.21 (3/12/2013) | (0.127 - 0.21)/(30 - 1) | -0.00286207 |
| ND<0.1 U (9/21/2020) | 0.21 (3/12/2013) | (0.1 - 0.21)/(31 - 1) | -0.00366667 |
| 0.309 (12/17/2020) | 0.21 (3/12/2013) | (0.309 - 0.21)/(32 - 1) | 0.00319355 |
| 0.241 (3/18/2021) | 0.21 (3/12/2013) | (0.241 - 0.21)/(33 - 1) | 0.00096875 |
| 7.95 (5/5/2021) | 0.21 (3/12/2013) | (7.95 - 0.21)/(34 - 1) | 0.234545 |
| 0.139 (9/2/2021) | 0.21 (3/12/2013) | (0.139 - 0.21)/(35 - 1) | -0.00208824 |
| 0.132 (11/23/2021) | 0.21 (3/12/2013) | (0.132 - 0.21)/(36 - 1) | -0.00222857 |
| 0.238 (1/10/2022) | 0.21 (3/12/2013) | (0.238 - 0.21)/(37 - 1) | 0.000777778 |
| 0.16 (4/7/2022) | 0.21 (3/12/2013) | (0.16 - 0.21)/(38 - 1) | -0.00135135 |
| ND<0.1 U (8/3/2022) | 0.21 (3/12/2013) | (0.1 - 0.21)/(39 - 1) | -0.00289474 |
| 0.166 (11/16/2022) | 0.21 (3/12/2013) | (0.166 - 0.21)/(40 - 1) | -0.00112821 |
| 0.265 (2/13/2023) | 0.21 (3/12/2013) | (0.265 - 0.21)/(41 - 1) | 0.001375 |
| | | | |
| ND<0.1 U (9/23/2013) | 0.23 (5/8/2013) | (0.1 - 0.23)/(3 - 2) | -0.13 |
| 0.37 (12/10/2013) | 0.23 (5/8/2013) | (0.37 - 0.23)/(4 - 2) | 0.07 |
| 0.26 (2/6/2014) | 0.23 (5/8/2013) | (0.26 - 0.23)/(5 - 2) | 0.01 |
| ND<0.1 U (6/26/2014) | 0.23 (5/8/2013) | (0.1 - 0.23)/(6 - 2) | -0.0325 |
| ND<0.1 U (9/30/2014) | 0.23 (5/8/2013) | (0.1 - 0.23)/(7 - 2) | -0.026 |
| 0.22 (11/19/2014) | 0.23 (5/8/2013) | (0.22 - 0.23)/(8 - 2) | -0.00166667 |
| 0.22 (3/23/2015) | 0.23 (5/8/2013) | (0.22 - 0.23)/(9 - 2) | -0.00142857 |

| | | | |
|---|---|---|---|
| 0.22 (4/22/2015) | 0.23 (5/8/2013) | (0.22 - 0.23)/(10 - 2) | -0.00125 |
| ND<0.1 U (9/30/2015) | 0.23 (5/8/2013) | (0.1 - 0.23)/(11 - 2) | -0.0144444 |
| 0.47 (11/19/2015) | 0.23 (5/8/2013) | (0.47 - 0.23)/(12 - 2) | 0.024 |
| 0.12 (3/15/2016) | 0.23 (5/8/2013) | (0.12 - 0.23)/(13 - 2) | -0.01 |
| ND<0.1 U (6/29/2016) | 0.23 (5/8/2013) | (0.1 - 0.23)/(14 - 2) | -0.0108333 |
| ND<0.1 U (8/9/2016) | 0.23 (5/8/2013) | (0.1 - 0.23)/(15 - 2) | -0.01 |
| 0.37 (12/7/2016) | 0.23 (5/8/2013) | (0.37 - 0.23)/(16 - 2) | 0.01 |
| 0.25 (3/2/2017) | 0.23 (5/8/2013) | (0.25 - 0.23)/(17 - 2) | 0.00133333 |
| ND<0.1 U (6/21/2017) | 0.23 (5/8/2013) | (0.1 - 0.23)/(18 - 2) | -0.008125 |
| ND<0.1 U (8/17/2017) | 0.23 (5/8/2013) | (0.1 - 0.23)/(19 - 2) | -0.00764706 |
| 0.13 (10/26/2017) | 0.23 (5/8/2013) | (0.13 - 0.23)/(20 - 2) | -0.00555556 |
| 0.233 (3/27/2018) | 0.23 (5/8/2013) | (0.233 - 0.23)/(21 - 2) | 0.000157895 |
| 0.108 (6/26/2018) | 0.23 (5/8/2013) | (0.108 - 0.23)/(22 - 2) | -0.0061 |
| 0.335 (8/1/2018) | 0.23 (5/8/2013) | (0.335 - 0.23)/(23 - 2) | 0.005 |
| 0.397 (12/11/2018) | 0.23 (5/8/2013) | (0.397 - 0.23)/(24 - 2) | 0.00759091 |
| 0.198 (4/17/2019) | 0.23 (5/8/2013) | (0.198 - 0.23)/(25 - 2) | -0.0013913 |
| ND<0.1 U (6/11/2019) | 0.23 (5/8/2013) | (0.1 - 0.23)/(26 - 2) | -0.00541667 |
| ND<0.1 U (8/28/2019) | 0.23 (5/8/2013) | (0.1 - 0.23)/(27 - 2) | -0.0052 |
| 0.198 (10/28/2019) | 0.23 (5/8/2013) | (0.198 - 0.23)/(28 - 2) | -0.00123077 |
| 0.212 (3/31/2020) | 0.23 (5/8/2013) | (0.212 - 0.23)/(29 - 2) | -0.000666667 |
| 0.127 (6/10/2020) | 0.23 (5/8/2013) | (0.127 - 0.23)/(30 - 2) | -0.00367857 |
| ND<0.1 U (9/21/2020) | 0.23 (5/8/2013) | (0.1 - 0.23)/(31 - 2) | -0.00448276 |
| 0.309 (12/17/2020) | 0.23 (5/8/2013) | (0.309 - 0.23)/(32 - 2) | 0.00263333 |
| 0.241 (3/18/2021) | 0.23 (5/8/2013) | (0.241 - 0.23)/(33 - 2) | 0.000354839 |
| 7.95 (5/5/2021) | 0.23 (5/8/2013) | (7.95 - 0.23)/(34 - 2) | 0.24125 |
| 0.139 (9/2/2021) | 0.23 (5/8/2013) | (0.139 - 0.23)/(35 - 2) | -0.00275758 |
| 0.132 (11/23/2021) | 0.23 (5/8/2013) | (0.132 - 0.23)/(36 - 2) | -0.00288235 |
| 0.238 (1/10/2022) | 0.23 (5/8/2013) | (0.238 - 0.23)/(37 - 2) | 0.000228571 |
| 0.16 (4/7/2022) | 0.23 (5/8/2013) | (0.16 - 0.23)/(38 - 2) | -0.00194444 |
| ND<0.1 U (8/3/2022) | 0.23 (5/8/2013) | (0.1 - 0.23)/(39 - 2) | -0.00351351 |
| 0.166 (11/16/2022) | 0.23 (5/8/2013) | (0.166 - 0.23)/(40 - 2) | -0.00168421 |
| 0.265 (2/13/2023) | 0.23 (5/8/2013) | (0.265 - 0.23)/(41 - 2) | 0.000897436 |

| | | | |
|---|---|---|---|
| 0.37 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.37 - 0.1)/(4 - 3) | 0.27 |
| 0.26 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(5 - 3) | 0.08 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(8 - 3) | 0.024 |
| 0.22 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(9 - 3) | 0.02 |
| 0.22 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(10 - 3) | 0.0171429 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |
| 0.47 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.47 - 0.1)/(12 - 3) | 0.0411111 |
| 0.12 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(13 - 3) | 0.002 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.37 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.37 - 0.1)/(16 - 3) | 0.0207692 |
| 0.25 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(17 - 3) | 0.0107143 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(20 - 3) | 0.00176471 |
| 0.233 (3/27/2018) | ND<0.1 U (9/23/2013) | (0.233 - 0.1)/(21 - 3) | 0.00738889 |
| 0.108 (6/26/2018) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(22 - 3) | 0.000421053 |
| 0.335 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.335 - 0.1)/(23 - 3) | 0.01175 |
| 0.397 (12/11/2018) | ND<0.1 U (9/23/2013) | (0.397 - 0.1)/(24 - 3) | 0.0141429 |
| 0.198 (4/17/2019) | ND<0.1 U (9/23/2013) | (0.198 - 0.1)/(25 - 3) | 0.00445455 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |

| | | | |
|---|---|---|---|
| 0.198 (10/28/2019) | ND<0.1 U (9/23/2013) | (0.198 - 0.1)/(28 - 3) | 0.00392 |
| 0.212 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.212 - 0.1)/(29 - 3) | 0.00430769 |
| 0.127 (6/10/2020) | ND<0.1 U (9/23/2013) | (0.127 - 0.1)/(30 - 3) | 0.001 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.309 - 0.1)/(32 - 3) | 0.0072069 |
| 0.241 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.241 - 0.1)/(33 - 3) | 0.0047 |
| 7.95 (5/5/2021) | ND<0.1 U (9/23/2013) | (7.95 - 0.1)/(34 - 3) | 0.253226 |
| 0.139 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.139 - 0.1)/(35 - 3) | 0.00121875 |
| 0.132 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.132 - 0.1)/(36 - 3) | 0.000969697 |
| 0.238 (1/10/2022) | ND<0.1 U (9/23/2013) | (0.238 - 0.1)/(37 - 3) | 0.00405882 |
| 0.16 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.16 - 0.1)/(38 - 3) | 0.00171429 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (9/23/2013) | (0.166 - 0.1)/(40 - 3) | 0.00178378 |
| 0.265 (2/13/2023) | ND<0.1 U (9/23/2013) | (0.265 - 0.1)/(41 - 3) | 0.00434211 |
| | | | |
| 0.26 (2/6/2014) | 0.37 (12/10/2013) | (0.26 - 0.37)/(5 - 4) | -0.11 |
| ND<0.1 U (6/26/2014) | 0.37 (12/10/2013) | (0.1 - 0.37)/(6 - 4) | -0.135 |
| ND<0.1 U (9/30/2014) | 0.37 (12/10/2013) | (0.1 - 0.37)/(7 - 4) | -0.09 |
| 0.22 (11/19/2014) | 0.37 (12/10/2013) | (0.22 - 0.37)/(8 - 4) | -0.0375 |
| 0.22 (3/23/2015) | 0.37 (12/10/2013) | (0.22 - 0.37)/(9 - 4) | -0.03 |
| 0.22 (4/22/2015) | 0.37 (12/10/2013) | (0.22 - 0.37)/(10 - 4) | -0.025 |
| ND<0.1 U (9/30/2015) | 0.37 (12/10/2013) | (0.1 - 0.37)/(11 - 4) | -0.0385714 |
| 0.47 (11/19/2015) | 0.37 (12/10/2013) | (0.47 - 0.37)/(12 - 4) | 0.0125 |
| 0.12 (3/15/2016) | 0.37 (12/10/2013) | (0.12 - 0.37)/(13 - 4) | -0.0277778 |
| ND<0.1 U (6/29/2016) | 0.37 (12/10/2013) | (0.1 - 0.37)/(14 - 4) | -0.027 |
| ND<0.1 U (8/9/2016) | 0.37 (12/10/2013) | (0.1 - 0.37)/(15 - 4) | -0.0245455 |
| 0.37 (12/7/2016) | 0.37 (12/10/2013) | (0.37 - 0.37)/(16 - 4) | 0 |
| 0.25 (3/2/2017) | 0.37 (12/10/2013) | (0.25 - 0.37)/(17 - 4) | -0.00923077 |
| ND<0.1 U (6/21/2017) | 0.37 (12/10/2013) | (0.1 - 0.37)/(18 - 4) | -0.0192857 |
| ND<0.1 U (8/17/2017) | 0.37 (12/10/2013) | (0.1 - 0.37)/(19 - 4) | -0.018 |
| 0.13 (10/26/2017) | 0.37 (12/10/2013) | (0.13 - 0.37)/(20 - 4) | -0.015 |
| 0.233 (3/27/2018) | 0.37 (12/10/2013) | (0.233 - 0.37)/(21 - 4) | -0.00805882 |
| 0.108 (6/26/2018) | 0.37 (12/10/2013) | (0.108 - 0.37)/(22 - 4) | -0.0145556 |
| 0.335 (8/1/2018) | 0.37 (12/10/2013) | (0.335 - 0.37)/(23 - 4) | -0.00184211 |
| 0.397 (12/11/2018) | 0.37 (12/10/2013) | (0.397 - 0.37)/(24 - 4) | 0.00135 |
| 0.198 (4/17/2019) | 0.37 (12/10/2013) | (0.198 - 0.37)/(25 - 4) | -0.00819048 |
| ND<0.1 U (6/11/2019) | 0.37 (12/10/2013) | (0.1 - 0.37)/(26 - 4) | -0.0122727 |
| ND<0.1 U (8/28/2019) | 0.37 (12/10/2013) | (0.1 - 0.37)/(27 - 4) | -0.0117391 |
| 0.198 (10/28/2019) | 0.37 (12/10/2013) | (0.198 - 0.37)/(28 - 4) | -0.00716667 |
| 0.212 (3/31/2020) | 0.37 (12/10/2013) | (0.212 - 0.37)/(29 - 4) | -0.00632 |
| 0.127 (6/10/2020) | 0.37 (12/10/2013) | (0.127 - 0.37)/(30 - 4) | -0.00934615 |
| ND<0.1 U (9/21/2020) | 0.37 (12/10/2013) | (0.1 - 0.37)/(31 - 4) | -0.01 |
| 0.309 (12/17/2020) | 0.37 (12/10/2013) | (0.309 - 0.37)/(32 - 4) | -0.00217857 |
| 0.241 (3/18/2021) | 0.37 (12/10/2013) | (0.241 - 0.37)/(33 - 4) | -0.00444828 |
| 7.95 (5/5/2021) | 0.37 (12/10/2013) | (7.95 - 0.37)/(34 - 4) | 0.252667 |
| 0.139 (9/2/2021) | 0.37 (12/10/2013) | (0.139 - 0.37)/(35 - 4) | -0.00745161 |
| 0.132 (11/23/2021) | 0.37 (12/10/2013) | (0.132 - 0.37)/(36 - 4) | -0.0074375 |
| 0.238 (1/10/2022) | 0.37 (12/10/2013) | (0.238 - 0.37)/(37 - 4) | -0.004 |
| 0.16 (4/7/2022) | 0.37 (12/10/2013) | (0.16 - 0.37)/(38 - 4) | -0.00617647 |
| ND<0.1 U (8/3/2022) | 0.37 (12/10/2013) | (0.1 - 0.37)/(39 - 4) | -0.00771429 |
| 0.166 (11/16/2022) | 0.37 (12/10/2013) | (0.166 - 0.37)/(40 - 4) | -0.00566667 |
| 0.265 (2/13/2023) | 0.37 (12/10/2013) | (0.265 - 0.37)/(41 - 4) | -0.00283784 |
| | | | |
| ND<0.1 U (6/26/2014) | 0.26 (2/6/2014) | (0.1 - 0.26)/(6 - 5) | -0.16 |
| ND<0.1 U (9/30/2014) | 0.26 (2/6/2014) | (0.1 - 0.26)/(7 - 5) | -0.08 |
| 0.22 (11/19/2014) | 0.26 (2/6/2014) | (0.22 - 0.26)/(8 - 5) | -0.0133333 |
| 0.22 (3/23/2015) | 0.26 (2/6/2014) | (0.22 - 0.26)/(9 - 5) | -0.01 |

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|---|---|---|---|
| 0.22 (4/22/2015) | 0.26 (2/6/2014) | (0.22 - 0.26)/(10 - 5) | -0.008 |
| ND<0.1 U (9/30/2015) | 0.26 (2/6/2014) | (0.1 - 0.26)/(11 - 5) | -0.0266667 |
| 0.47 (11/19/2015) | 0.26 (2/6/2014) | (0.47 - 0.26)/(12 - 5) | 0.03 |
| 0.12 (3/15/2016) | 0.26 (2/6/2014) | (0.12 - 0.26)/(13 - 5) | -0.0175 |
| ND<0.1 U (6/29/2016) | 0.26 (2/6/2014) | (0.1 - 0.26)/(14 - 5) | -0.0177778 |
| ND<0.1 U (8/9/2016) | 0.26 (2/6/2014) | (0.1 - 0.26)/(15 - 5) | -0.016 |
| 0.37 (12/7/2016) | 0.26 (2/6/2014) | (0.37 - 0.26)/(16 - 5) | 0.01 |
| 0.25 (3/2/2017) | 0.26 (2/6/2014) | (0.25 - 0.26)/(17 - 5) | -0.000833333 |
| ND<0.1 U (6/21/2017) | 0.26 (2/6/2014) | (0.1 - 0.26)/(18 - 5) | -0.0123077 |
| ND<0.1 U (8/17/2017) | 0.26 (2/6/2014) | (0.1 - 0.26)/(19 - 5) | -0.0114286 |
| 0.13 (10/26/2017) | 0.26 (2/6/2014) | (0.13 - 0.26)/(20 - 5) | -0.00866667 |
| 0.233 (3/27/2018) | 0.26 (2/6/2014) | (0.233 - 0.26)/(21 - 5) | -0.0016875 |
| 0.108 (6/26/2018) | 0.26 (2/6/2014) | (0.108 - 0.26)/(22 - 5) | -0.00894118 |
| 0.335 (8/1/2018) | 0.26 (2/6/2014) | (0.335 - 0.26)/(23 - 5) | 0.00416667 |
| 0.397 (12/11/2018) | 0.26 (2/6/2014) | (0.397 - 0.26)/(24 - 5) | 0.00721053 |
| 0.198 (4/17/2019) | 0.26 (2/6/2014) | (0.198 - 0.26)/(25 - 5) | -0.0031 |
| ND<0.1 U (6/11/2019) | 0.26 (2/6/2014) | (0.1 - 0.26)/(26 - 5) | -0.00761905 |
| ND<0.1 U (8/28/2019) | 0.26 (2/6/2014) | (0.1 - 0.26)/(27 - 5) | -0.00727273 |
| 0.198 (10/28/2019) | 0.26 (2/6/2014) | (0.198 - 0.26)/(28 - 5) | -0.00269565 |
| 0.212 (3/31/2020) | 0.26 (2/6/2014) | (0.212 - 0.26)/(29 - 5) | -0.002 |
| 0.127 (6/10/2020) | 0.26 (2/6/2014) | (0.127 - 0.26)/(30 - 5) | -0.00532 |
| ND<0.1 U (9/21/2020) | 0.26 (2/6/2014) | (0.1 - 0.26)/(31 - 5) | -0.00615385 |
| 0.309 (12/17/2020) | 0.26 (2/6/2014) | (0.309 - 0.26)/(32 - 5) | 0.00181481 |
| 0.241 (3/18/2021) | 0.26 (2/6/2014) | (0.241 - 0.26)/(33 - 5) | -0.000678571 |
| 7.95 (5/5/2021) | 0.26 (2/6/2014) | (7.95 - 0.26)/(34 - 5) | 0.265172 |
| 0.139 (9/2/2021) | 0.26 (2/6/2014) | (0.139 - 0.26)/(35 - 5) | -0.00403333 |
| 0.132 (11/23/2021) | 0.26 (2/6/2014) | (0.132 - 0.26)/(36 - 5) | -0.00412903 |
| 0.238 (1/10/2022) | 0.26 (2/6/2014) | (0.238 - 0.26)/(37 - 5) | -0.0006875 |
| 0.16 (4/7/2022) | 0.26 (2/6/2014) | (0.16 - 0.26)/(38 - 5) | -0.0030303 |
| ND<0.1 U (8/3/2022) | 0.26 (2/6/2014) | (0.1 - 0.26)/(39 - 5) | -0.00470588 |
| 0.166 (11/16/2022) | 0.26 (2/6/2014) | (0.166 - 0.26)/(40 - 5) | -0.00268571 |
| 0.265 (2/13/2023) | 0.26 (2/6/2014) | (0.265 - 0.26)/(41 - 5) | 0.000138889 |

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|---|---|---|---|
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.22 - 0.1)/(8 - 6) | 0.06 |
| 0.22 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.22 - 0.1)/(9 - 6) | 0.04 |
| 0.22 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.22 - 0.1)/(10 - 6) | 0.03 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.47 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.47 - 0.1)/(12 - 6) | 0.0616667 |
| 0.12 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(13 - 6) | 0.00285714 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.37 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.37 - 0.1)/(16 - 6) | 0.027 |
| 0.25 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.25 - 0.1)/(17 - 6) | 0.0136364 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(20 - 6) | 0.00214286 |
| 0.233 (3/27/2018) | ND<0.1 U (6/26/2014) | (0.233 - 0.1)/(21 - 6) | 0.00886667 |
| 0.108 (6/26/2018) | ND<0.1 U (6/26/2014) | (0.108 - 0.1)/(22 - 6) | 0.0005 |
| 0.335 (8/1/2018) | ND<0.1 U (6/26/2014) | (0.335 - 0.1)/(23 - 6) | 0.0138235 |
| 0.397 (12/11/2018) | ND<0.1 U (6/26/2014) | (0.397 - 0.1)/(24 - 6) | 0.0165 |
| 0.198 (4/17/2019) | ND<0.1 U (6/26/2014) | (0.198 - 0.1)/(25 - 6) | 0.00515789 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (6/26/2014) | (0.198 - 0.1)/(28 - 6) | 0.00445455 |
| 0.212 (3/31/2020) | ND<0.1 U (6/26/2014) | (0.212 - 0.1)/(29 - 6) | 0.00486957 |
| 0.127 (6/10/2020) | ND<0.1 U (6/26/2014) | (0.127 - 0.1)/(30 - 6) | 0.001125 |

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|---|---|---|---|
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (6/26/2014) | (0.309 - 0.1)/(32 - 6) | 0.00803846 |
| 0.241 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.241 - 0.1)/(33 - 6) | 0.00522222 |
| 7.95 (5/5/2021) | ND<0.1 U (6/26/2014) | (7.95 - 0.1)/(34 - 6) | 0.280357 |
| 0.139 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.139 - 0.1)/(35 - 6) | 0.00134483 |
| 0.132 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.132 - 0.1)/(36 - 6) | 0.00106667 |
| 0.238 (1/10/2022) | ND<0.1 U (6/26/2014) | (0.238 - 0.1)/(37 - 6) | 0.00445161 |
| 0.16 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.16 - 0.1)/(38 - 6) | 0.001875 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (6/26/2014) | (0.166 - 0.1)/(40 - 6) | 0.00194118 |
| 0.265 (2/13/2023) | ND<0.1 U (6/26/2014) | (0.265 - 0.1)/(41 - 6) | 0.00471429 |
| | | | |
| 0.22 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(8 - 7) | 0.12 |
| 0.22 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(9 - 7) | 0.06 |
| 0.22 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(10 - 7) | 0.04 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.47 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.47 - 0.1)/(12 - 7) | 0.074 |
| 0.12 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(13 - 7) | 0.00333333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.37 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.37 - 0.1)/(16 - 7) | 0.03 |
| 0.25 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.25 - 0.1)/(17 - 7) | 0.015 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(20 - 7) | 0.00230769 |
| 0.233 (3/27/2018) | ND<0.1 U (9/30/2014) | (0.233 - 0.1)/(21 - 7) | 0.0095 |
| 0.108 (6/26/2018) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(22 - 7) | 0.000533333 |
| 0.335 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.335 - 0.1)/(23 - 7) | 0.0146875 |
| 0.397 (12/11/2018) | ND<0.1 U (9/30/2014) | (0.397 - 0.1)/(24 - 7) | 0.0174706 |
| 0.198 (4/17/2019) | ND<0.1 U (9/30/2014) | (0.198 - 0.1)/(25 - 7) | 0.00544444 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.198 - 0.1)/(28 - 7) | 0.00466667 |
| 0.212 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.212 - 0.1)/(29 - 7) | 0.00509091 |
| 0.127 (6/10/2020) | ND<0.1 U (9/30/2014) | (0.127 - 0.1)/(30 - 7) | 0.00117391 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.309 - 0.1)/(32 - 7) | 0.00836 |
| 0.241 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.241 - 0.1)/(33 - 7) | 0.00542308 |
| 7.95 (5/5/2021) | ND<0.1 U (9/30/2014) | (7.95 - 0.1)/(34 - 7) | 0.290741 |
| 0.139 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.139 - 0.1)/(35 - 7) | 0.00139286 |
| 0.132 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.132 - 0.1)/(36 - 7) | 0.00110345 |
| 0.238 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.238 - 0.1)/(37 - 7) | 0.0046 |
| 0.16 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.16 - 0.1)/(38 - 7) | 0.00193548 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (9/30/2014) | (0.166 - 0.1)/(40 - 7) | 0.002 |
| 0.265 (2/13/2023) | ND<0.1 U (9/30/2014) | (0.265 - 0.1)/(41 - 7) | 0.00485294 |
| | | | |
| 0.22 (3/23/2015) | 0.22 (11/19/2014) | (0.22 - 0.22)/(9 - 8) | 0 |
| 0.22 (4/22/2015) | 0.22 (11/19/2014) | (0.22 - 0.22)/(10 - 8) | 0 |
| ND<0.1 U (9/30/2015) | 0.22 (11/19/2014) | (0.1 - 0.22)/(11 - 8) | -0.04 |
| 0.47 (11/19/2015) | 0.22 (11/19/2014) | (0.47 - 0.22)/(12 - 8) | 0.0625 |
| 0.12 (3/15/2016) | 0.22 (11/19/2014) | (0.12 - 0.22)/(13 - 8) | -0.02 |
| ND<0.1 U (6/29/2016) | 0.22 (11/19/2014) | (0.1 - 0.22)/(14 - 8) | -0.02 |
| ND<0.1 U (8/9/2016) | 0.22 (11/19/2014) | (0.1 - 0.22)/(15 - 8) | -0.0171429 |
| 0.37 (12/7/2016) | 0.22 (11/19/2014) | (0.37 - 0.22)/(16 - 8) | 0.01875 |
| 0.25 (3/2/2017) | 0.22 (11/19/2014) | (0.25 - 0.22)/(17 - 8) | 0.00333333 |
| ND<0.1 U (6/21/2017) | 0.22 (11/19/2014) | (0.1 - 0.22)/(18 - 8) | -0.012 |

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|---|---|---|---|
| ND<0.1 U (8/17/2017) | 0.22 (11/19/2014) | (0.1 - 0.22)/(19 - 8) | -0.0109091 |
| 0.13 (10/26/2017) | 0.22 (11/19/2014) | (0.13 - 0.22)/(20 - 8) | -0.0075 |
| 0.233 (3/27/2018) | 0.22 (11/19/2014) | (0.233 - 0.22)/(21 - 8) | 0.001 |
| 0.108 (6/26/2018) | 0.22 (11/19/2014) | (0.108 - 0.22)/(22 - 8) | -0.008 |
| 0.335 (8/1/2018) | 0.22 (11/19/2014) | (0.335 - 0.22)/(23 - 8) | 0.00766667 |
| 0.397 (12/11/2018) | 0.22 (11/19/2014) | (0.397 - 0.22)/(24 - 8) | 0.0110625 |
| 0.198 (4/17/2019) | 0.22 (11/19/2014) | (0.198 - 0.22)/(25 - 8) | -0.00129412 |
| ND<0.1 U (6/11/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(26 - 8) | -0.00666667 |
| ND<0.1 U (8/28/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(27 - 8) | -0.00631579 |
| 0.198 (10/28/2019) | 0.22 (11/19/2014) | (0.198 - 0.22)/(28 - 8) | -0.0011 |
| 0.212 (3/31/2020) | 0.22 (11/19/2014) | (0.212 - 0.22)/(29 - 8) | -0.000380952 |
| 0.127 (6/10/2020) | 0.22 (11/19/2014) | (0.127 - 0.22)/(30 - 8) | -0.00422727 |
| ND<0.1 U (9/21/2020) | 0.22 (11/19/2014) | (0.1 - 0.22)/(31 - 8) | -0.00521739 |
| 0.309 (12/17/2020) | 0.22 (11/19/2014) | (0.309 - 0.22)/(32 - 8) | 0.00370833 |
| 0.241 (3/18/2021) | 0.22 (11/19/2014) | (0.241 - 0.22)/(33 - 8) | 0.00084 |
| 7.95 (5/5/2021) | 0.22 (11/19/2014) | (7.95 - 0.22)/(34 - 8) | 0.297308 |
| 0.139 (9/2/2021) | 0.22 (11/19/2014) | (0.139 - 0.22)/(35 - 8) | -0.003 |
| 0.132 (11/23/2021) | 0.22 (11/19/2014) | (0.132 - 0.22)/(36 - 8) | -0.00314286 |
| 0.238 (1/10/2022) | 0.22 (11/19/2014) | (0.238 - 0.22)/(37 - 8) | 0.00062069 |
| 0.16 (4/7/2022) | 0.22 (11/19/2014) | (0.16 - 0.22)/(38 - 8) | -0.002 |
| ND<0.1 U (8/3/2022) | 0.22 (11/19/2014) | (0.1 - 0.22)/(39 - 8) | -0.00387097 |
| 0.166 (11/16/2022) | 0.22 (11/19/2014) | (0.166 - 0.22)/(40 - 8) | -0.0016875 |
| 0.265 (2/13/2023) | 0.22 (11/19/2014) | (0.265 - 0.22)/(41 - 8) | 0.00136364 |
| | | | |
| 0.22 (4/22/2015) | 0.22 (3/23/2015) | (0.22 - 0.22)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | 0.22 (3/23/2015) | (0.1 - 0.22)/(11 - 9) | -0.06 |
| 0.47 (11/19/2015) | 0.22 (3/23/2015) | (0.47 - 0.22)/(12 - 9) | 0.0833333 |
| 0.12 (3/15/2016) | 0.22 (3/23/2015) | (0.12 - 0.22)/(13 - 9) | -0.025 |
| ND<0.1 U (6/29/2016) | 0.22 (3/23/2015) | (0.1 - 0.22)/(14 - 9) | -0.024 |
| ND<0.1 U (8/9/2016) | 0.22 (3/23/2015) | (0.1 - 0.22)/(15 - 9) | -0.02 |
| 0.37 (12/7/2016) | 0.22 (3/23/2015) | (0.37 - 0.22)/(16 - 9) | 0.0214286 |
| 0.25 (3/2/2017) | 0.22 (3/23/2015) | (0.25 - 0.22)/(17 - 9) | 0.00375 |
| ND<0.1 U (6/21/2017) | 0.22 (3/23/2015) | (0.1 - 0.22)/(18 - 9) | -0.0133333 |
| ND<0.1 U (8/17/2017) | 0.22 (3/23/2015) | (0.1 - 0.22)/(19 - 9) | -0.012 |
| 0.13 (10/26/2017) | 0.22 (3/23/2015) | (0.13 - 0.22)/(20 - 9) | -0.00818182 |
| 0.233 (3/27/2018) | 0.22 (3/23/2015) | (0.233 - 0.22)/(21 - 9) | 0.00108333 |
| 0.108 (6/26/2018) | 0.22 (3/23/2015) | (0.108 - 0.22)/(22 - 9) | -0.00861538 |
| 0.335 (8/1/2018) | 0.22 (3/23/2015) | (0.335 - 0.22)/(23 - 9) | 0.00821429 |
| 0.397 (12/11/2018) | 0.22 (3/23/2015) | (0.397 - 0.22)/(24 - 9) | 0.0118 |
| 0.198 (4/17/2019) | 0.22 (3/23/2015) | (0.198 - 0.22)/(25 - 9) | -0.001375 |
| ND<0.1 U (6/11/2019) | 0.22 (3/23/2015) | (0.1 - 0.22)/(26 - 9) | -0.00705882 |
| ND<0.1 U (8/28/2019) | 0.22 (3/23/2015) | (0.1 - 0.22)/(27 - 9) | -0.00666667 |
| 0.198 (10/28/2019) | 0.22 (3/23/2015) | (0.198 - 0.22)/(28 - 9) | -0.00115789 |
| 0.212 (3/31/2020) | 0.22 (3/23/2015) | (0.212 - 0.22)/(29 - 9) | -0.0004 |
| 0.127 (6/10/2020) | 0.22 (3/23/2015) | (0.127 - 0.22)/(30 - 9) | -0.00442857 |
| ND<0.1 U (9/21/2020) | 0.22 (3/23/2015) | (0.1 - 0.22)/(31 - 9) | -0.00545455 |
| 0.309 (12/17/2020) | 0.22 (3/23/2015) | (0.309 - 0.22)/(32 - 9) | 0.00386957 |
| 0.241 (3/18/2021) | 0.22 (3/23/2015) | (0.241 - 0.22)/(33 - 9) | 0.000875 |
| 7.95 (5/5/2021) | 0.22 (3/23/2015) | (7.95 - 0.22)/(34 - 9) | 0.3092 |
| 0.139 (9/2/2021) | 0.22 (3/23/2015) | (0.139 - 0.22)/(35 - 9) | -0.00311538 |
| 0.132 (11/23/2021) | 0.22 (3/23/2015) | (0.132 - 0.22)/(36 - 9) | -0.00325926 |
| 0.238 (1/10/2022) | 0.22 (3/23/2015) | (0.238 - 0.22)/(37 - 9) | 0.000642857 |
| 0.16 (4/7/2022) | 0.22 (3/23/2015) | (0.16 - 0.22)/(38 - 9) | -0.00206897 |
| ND<0.1 U (8/3/2022) | 0.22 (3/23/2015) | (0.1 - 0.22)/(39 - 9) | -0.004 |
| 0.166 (11/16/2022) | 0.22 (3/23/2015) | (0.166 - 0.22)/(40 - 9) | -0.00174194 |
| 0.265 (2/13/2023) | 0.22 (3/23/2015) | (0.265 - 0.22)/(41 - 9) | 0.00140625 |

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|---|---|---|---|
| ND<0.1 U (9/30/2015) | 0.22 (4/22/2015) | (0.1 - 0.22)/(11 - 10) | -0.12 |
| 0.47 (11/19/2015) | 0.22 (4/22/2015) | (0.47 - 0.22)/(12 - 10) | 0.125 |
| 0.12 (3/15/2016) | 0.22 (4/22/2015) | (0.12 - 0.22)/(13 - 10) | -0.0333333 |
| ND<0.1 U (6/29/2016) | 0.22 (4/22/2015) | (0.1 - 0.22)/(14 - 10) | -0.03 |
| ND<0.1 U (8/9/2016) | 0.22 (4/22/2015) | (0.1 - 0.22)/(15 - 10) | -0.024 |
| 0.37 (12/7/2016) | 0.22 (4/22/2015) | (0.37 - 0.22)/(16 - 10) | 0.025 |
| 0.25 (3/2/2017) | 0.22 (4/22/2015) | (0.25 - 0.22)/(17 - 10) | 0.00428571 |
| ND<0.1 U (6/21/2017) | 0.22 (4/22/2015) | (0.1 - 0.22)/(18 - 10) | -0.015 |
| ND<0.1 U (8/17/2017) | 0.22 (4/22/2015) | (0.1 - 0.22)/(19 - 10) | -0.0133333 |
| 0.13 (10/26/2017) | 0.22 (4/22/2015) | (0.13 - 0.22)/(20 - 10) | -0.009 |
| 0.233 (3/27/2018) | 0.22 (4/22/2015) | (0.233 - 0.22)/(21 - 10) | 0.00118182 |
| 0.108 (6/26/2018) | 0.22 (4/22/2015) | (0.108 - 0.22)/(22 - 10) | -0.00933333 |
| 0.335 (8/1/2018) | 0.22 (4/22/2015) | (0.335 - 0.22)/(23 - 10) | 0.00884615 |
| 0.397 (12/11/2018) | 0.22 (4/22/2015) | (0.397 - 0.22)/(24 - 10) | 0.0126429 |
| 0.198 (4/17/2019) | 0.22 (4/22/2015) | (0.198 - 0.22)/(25 - 10) | -0.00146667 |
| ND<0.1 U (6/11/2019) | 0.22 (4/22/2015) | (0.1 - 0.22)/(26 - 10) | -0.0075 |
| ND<0.1 U (8/28/2019) | 0.22 (4/22/2015) | (0.1 - 0.22)/(27 - 10) | -0.00705882 |
| 0.198 (10/28/2019) | 0.22 (4/22/2015) | (0.198 - 0.22)/(28 - 10) | -0.00122222 |
| 0.212 (3/31/2020) | 0.22 (4/22/2015) | (0.212 - 0.22)/(29 - 10) | -0.000421053 |
| 0.127 (6/10/2020) | 0.22 (4/22/2015) | (0.127 - 0.22)/(30 - 10) | -0.00465 |
| ND<0.1 U (9/21/2020) | 0.22 (4/22/2015) | (0.1 - 0.22)/(31 - 10) | -0.00571429 |
| 0.309 (12/17/2020) | 0.22 (4/22/2015) | (0.309 - 0.22)/(32 - 10) | 0.00404545 |
| 0.241 (3/18/2021) | 0.22 (4/22/2015) | (0.241 - 0.22)/(33 - 10) | 0.000913043 |
| 7.95 (5/5/2021) | 0.22 (4/22/2015) | (7.95 - 0.22)/(34 - 10) | 0.322083 |
| 0.139 (9/2/2021) | 0.22 (4/22/2015) | (0.139 - 0.22)/(35 - 10) | -0.00324 |
| 0.132 (11/23/2021) | 0.22 (4/22/2015) | (0.132 - 0.22)/(36 - 10) | -0.00338462 |
| 0.238 (1/10/2022) | 0.22 (4/22/2015) | (0.238 - 0.22)/(37 - 10) | 0.000666667 |
| 0.16 (4/7/2022) | 0.22 (4/22/2015) | (0.16 - 0.22)/(38 - 10) | -0.00214286 |
| ND<0.1 U (8/3/2022) | 0.22 (4/22/2015) | (0.1 - 0.22)/(39 - 10) | -0.00413793 |
| 0.166 (11/16/2022) | 0.22 (4/22/2015) | (0.166 - 0.22)/(40 - 10) | -0.0018 |
| 0.265 (2/13/2023) | 0.22 (4/22/2015) | (0.265 - 0.22)/(41 - 10) | 0.00145161 |

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|---|---|---|---|
| 0.47 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.47 - 0.1)/(12 - 11) | 0.37 |
| 0.12 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(13 - 11) | 0.01 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.37 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.37 - 0.1)/(16 - 11) | 0.054 |
| 0.25 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.25 - 0.1)/(17 - 11) | 0.025 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (9/30/2015) | (0.13 - 0.1)/(20 - 11) | 0.00333333 |
| 0.233 (3/27/2018) | ND<0.1 U (9/30/2015) | (0.233 - 0.1)/(21 - 11) | 0.0133 |
| 0.108 (6/26/2018) | ND<0.1 U (9/30/2015) | (0.108 - 0.1)/(22 - 11) | 0.000727273 |
| 0.335 (8/1/2018) | ND<0.1 U (9/30/2015) | (0.335 - 0.1)/(23 - 11) | 0.0195833 |
| 0.397 (12/11/2018) | ND<0.1 U (9/30/2015) | (0.397 - 0.1)/(24 - 11) | 0.0228462 |
| 0.198 (4/17/2019) | ND<0.1 U (9/30/2015) | (0.198 - 0.1)/(25 - 11) | 0.007 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (9/30/2015) | (0.198 - 0.1)/(28 - 11) | 0.00576471 |
| 0.212 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.212 - 0.1)/(29 - 11) | 0.00622222 |
| 0.127 (6/10/2020) | ND<0.1 U (9/30/2015) | (0.127 - 0.1)/(30 - 11) | 0.00142105 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.309 - 0.1)/(32 - 11) | 0.00995238 |
| 0.241 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.241 - 0.1)/(33 - 11) | 0.00640909 |
| 7.95 (5/5/2021) | ND<0.1 U (9/30/2015) | (7.95 - 0.1)/(34 - 11) | 0.341304 |
| 0.139 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.139 - 0.1)/(35 - 11) | 0.001625 |
| 0.132 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.132 - 0.1)/(36 - 11) | 0.00128 |

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|---|---|---|---|
| 0.238 (1/10/2022) | ND<0.1 U (9/30/2015) | (0.238 - 0.1)/(37 - 11) | 0.00530769 |
| 0.16 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.16 - 0.1)/(38 - 11) | 0.00222222 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (9/30/2015) | (0.166 - 0.1)/(40 - 11) | 0.00227586 |
| 0.265 (2/13/2023) | ND<0.1 U (9/30/2015) | (0.265 - 0.1)/(41 - 11) | 0.0055 |
| | | | |
| 0.12 (3/15/2016) | 0.47 (11/19/2015) | (0.12 - 0.47)/(13 - 12) | -0.35 |
| ND<0.1 U (6/29/2016) | 0.47 (11/19/2015) | (0.1 - 0.47)/(14 - 12) | -0.185 |
| ND<0.1 U (8/9/2016) | 0.47 (11/19/2015) | (0.1 - 0.47)/(15 - 12) | -0.123333 |
| 0.37 (12/7/2016) | 0.47 (11/19/2015) | (0.37 - 0.47)/(16 - 12) | -0.025 |
| 0.25 (3/2/2017) | 0.47 (11/19/2015) | (0.25 - 0.47)/(17 - 12) | -0.044 |
| ND<0.1 U (6/21/2017) | 0.47 (11/19/2015) | (0.1 - 0.47)/(18 - 12) | -0.0616667 |
| ND<0.1 U (8/17/2017) | 0.47 (11/19/2015) | (0.1 - 0.47)/(19 - 12) | -0.0528571 |
| 0.13 (10/26/2017) | 0.47 (11/19/2015) | (0.13 - 0.47)/(20 - 12) | -0.0425 |
| 0.233 (3/27/2018) | 0.47 (11/19/2015) | (0.233 - 0.47)/(21 - 12) | -0.0263333 |
| 0.108 (6/26/2018) | 0.47 (11/19/2015) | (0.108 - 0.47)/(22 - 12) | -0.0362 |
| 0.335 (8/1/2018) | 0.47 (11/19/2015) | (0.335 - 0.47)/(23 - 12) | -0.0122727 |
| 0.397 (12/11/2018) | 0.47 (11/19/2015) | (0.397 - 0.47)/(24 - 12) | -0.00608333 |
| 0.198 (4/17/2019) | 0.47 (11/19/2015) | (0.198 - 0.47)/(25 - 12) | -0.0209231 |
| ND<0.1 U (6/11/2019) | 0.47 (11/19/2015) | (0.1 - 0.47)/(26 - 12) | -0.0264286 |
| ND<0.1 U (8/28/2019) | 0.47 (11/19/2015) | (0.1 - 0.47)/(27 - 12) | -0.0246667 |
| 0.198 (10/28/2019) | 0.47 (11/19/2015) | (0.198 - 0.47)/(28 - 12) | -0.017 |
| 0.212 (3/31/2020) | 0.47 (11/19/2015) | (0.212 - 0.47)/(29 - 12) | -0.0151765 |
| 0.127 (6/10/2020) | 0.47 (11/19/2015) | (0.127 - 0.47)/(30 - 12) | -0.0190556 |
| ND<0.1 U (9/21/2020) | 0.47 (11/19/2015) | (0.1 - 0.47)/(31 - 12) | -0.0194737 |
| 0.309 (12/17/2020) | 0.47 (11/19/2015) | (0.309 - 0.47)/(32 - 12) | -0.00805 |
| 0.241 (3/18/2021) | 0.47 (11/19/2015) | (0.241 - 0.47)/(33 - 12) | -0.0109048 |
| 7.95 (5/5/2021) | 0.47 (11/19/2015) | (7.95 - 0.47)/(34 - 12) | 0.34 |
| 0.139 (9/2/2021) | 0.47 (11/19/2015) | (0.139 - 0.47)/(35 - 12) | -0.0143913 |
| 0.132 (11/23/2021) | 0.47 (11/19/2015) | (0.132 - 0.47)/(36 - 12) | -0.0140833 |
| 0.238 (1/10/2022) | 0.47 (11/19/2015) | (0.238 - 0.47)/(37 - 12) | -0.00928 |
| 0.16 (4/7/2022) | 0.47 (11/19/2015) | (0.16 - 0.47)/(38 - 12) | -0.0119231 |
| ND<0.1 U (8/3/2022) | 0.47 (11/19/2015) | (0.1 - 0.47)/(39 - 12) | -0.0137037 |
| 0.166 (11/16/2022) | 0.47 (11/19/2015) | (0.166 - 0.47)/(40 - 12) | -0.0108571 |
| 0.265 (2/13/2023) | 0.47 (11/19/2015) | (0.265 - 0.47)/(41 - 12) | -0.00706897 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.12 (3/15/2016) | (0.1 - 0.12)/(14 - 13) | -0.02 |
| ND<0.1 U (8/9/2016) | 0.12 (3/15/2016) | (0.1 - 0.12)/(15 - 13) | -0.01 |
| 0.37 (12/7/2016) | 0.12 (3/15/2016) | (0.37 - 0.12)/(16 - 13) | 0.0833333 |
| 0.25 (3/2/2017) | 0.12 (3/15/2016) | (0.25 - 0.12)/(17 - 13) | 0.0325 |
| ND<0.1 U (6/21/2017) | 0.12 (3/15/2016) | (0.1 - 0.12)/(18 - 13) | -0.004 |
| ND<0.1 U (8/17/2017) | 0.12 (3/15/2016) | (0.1 - 0.12)/(19 - 13) | -0.00333333 |
| 0.13 (10/26/2017) | 0.12 (3/15/2016) | (0.13 - 0.12)/(20 - 13) | 0.00142857 |
| 0.233 (3/27/2018) | 0.12 (3/15/2016) | (0.233 - 0.12)/(21 - 13) | 0.014125 |
| 0.108 (6/26/2018) | 0.12 (3/15/2016) | (0.108 - 0.12)/(22 - 13) | -0.00133333 |
| 0.335 (8/1/2018) | 0.12 (3/15/2016) | (0.335 - 0.12)/(23 - 13) | 0.0215 |
| 0.397 (12/11/2018) | 0.12 (3/15/2016) | (0.397 - 0.12)/(24 - 13) | 0.0251818 |
| 0.198 (4/17/2019) | 0.12 (3/15/2016) | (0.198 - 0.12)/(25 - 13) | 0.0065 |
| ND<0.1 U (6/11/2019) | 0.12 (3/15/2016) | (0.1 - 0.12)/(26 - 13) | -0.00153846 |
| ND<0.1 U (8/28/2019) | 0.12 (3/15/2016) | (0.1 - 0.12)/(27 - 13) | -0.00142857 |
| 0.198 (10/28/2019) | 0.12 (3/15/2016) | (0.198 - 0.12)/(28 - 13) | 0.0052 |
| 0.212 (3/31/2020) | 0.12 (3/15/2016) | (0.212 - 0.12)/(29 - 13) | 0.00575 |
| 0.127 (6/10/2020) | 0.12 (3/15/2016) | (0.127 - 0.12)/(30 - 13) | 0.000411765 |
| ND<0.1 U (9/21/2020) | 0.12 (3/15/2016) | (0.1 - 0.12)/(31 - 13) | -0.00111111 |
| 0.309 (12/17/2020) | 0.12 (3/15/2016) | (0.309 - 0.12)/(32 - 13) | 0.00994737 |
| 0.241 (3/18/2021) | 0.12 (3/15/2016) | (0.241 - 0.12)/(33 - 13) | 0.00605 |
| 7.95 (5/5/2021) | 0.12 (3/15/2016) | (7.95 - 0.12)/(34 - 13) | 0.372857 |

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|---|---|---|---|
| 0.139 (9/2/2021) | 0.12 (3/15/2016) | (0.139 - 0.12)/(35 - 13) | 0.000863636 |
| 0.132 (11/23/2021) | 0.12 (3/15/2016) | (0.132 - 0.12)/(36 - 13) | 0.000521739 |
| 0.238 (1/10/2022) | 0.12 (3/15/2016) | (0.238 - 0.12)/(37 - 13) | 0.00491667 |
| 0.16 (4/7/2022) | 0.12 (3/15/2016) | (0.16 - 0.12)/(38 - 13) | 0.0016 |
| ND<0.1 U (8/3/2022) | 0.12 (3/15/2016) | (0.1 - 0.12)/(39 - 13) | -0.000769231 |
| 0.166 (11/16/2022) | 0.12 (3/15/2016) | (0.166 - 0.12)/(40 - 13) | 0.0017037 |
| 0.265 (2/13/2023) | 0.12 (3/15/2016) | (0.265 - 0.12)/(41 - 13) | 0.00517857 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.37 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.37 - 0.1)/(16 - 14) | 0.135 |
| 0.25 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.25 - 0.1)/(17 - 14) | 0.05 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (6/29/2016) | (0.13 - 0.1)/(20 - 14) | 0.005 |
| 0.233 (3/27/2018) | ND<0.1 U (6/29/2016) | (0.233 - 0.1)/(21 - 14) | 0.019 |
| 0.108 (6/26/2018) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(22 - 14) | 0.001 |
| 0.335 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.335 - 0.1)/(23 - 14) | 0.0261111 |
| 0.397 (12/11/2018) | ND<0.1 U (6/29/2016) | (0.397 - 0.1)/(24 - 14) | 0.0297 |
| 0.198 (4/17/2019) | ND<0.1 U (6/29/2016) | (0.198 - 0.1)/(25 - 14) | 0.00890909 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (6/29/2016) | (0.198 - 0.1)/(28 - 14) | 0.007 |
| 0.212 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.212 - 0.1)/(29 - 14) | 0.00746667 |
| 0.127 (6/10/2020) | ND<0.1 U (6/29/2016) | (0.127 - 0.1)/(30 - 14) | 0.0016875 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.309 - 0.1)/(32 - 14) | 0.0116111 |
| 0.241 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.241 - 0.1)/(33 - 14) | 0.00742105 |
| 7.95 (5/5/2021) | ND<0.1 U (6/29/2016) | (7.95 - 0.1)/(34 - 14) | 0.3925 |
| 0.139 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.139 - 0.1)/(35 - 14) | 0.00185714 |
| 0.132 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.132 - 0.1)/(36 - 14) | 0.00145455 |
| 0.238 (1/10/2022) | ND<0.1 U (6/29/2016) | (0.238 - 0.1)/(37 - 14) | 0.006 |
| 0.16 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.16 - 0.1)/(38 - 14) | 0.0025 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (6/29/2016) | (0.166 - 0.1)/(40 - 14) | 0.00253846 |
| 0.265 (2/13/2023) | ND<0.1 U (6/29/2016) | (0.265 - 0.1)/(41 - 14) | 0.00611111 |
| | | | |
| 0.37 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.37 - 0.1)/(16 - 15) | 0.27 |
| 0.25 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.25 - 0.1)/(17 - 15) | 0.075 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (8/9/2016) | (0.13 - 0.1)/(20 - 15) | 0.006 |
| 0.233 (3/27/2018) | ND<0.1 U (8/9/2016) | (0.233 - 0.1)/(21 - 15) | 0.0221667 |
| 0.108 (6/26/2018) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(22 - 15) | 0.00114286 |
| 0.335 (8/1/2018) | ND<0.1 U (8/9/2016) | (0.335 - 0.1)/(23 - 15) | 0.029375 |
| 0.397 (12/11/2018) | ND<0.1 U (8/9/2016) | (0.397 - 0.1)/(24 - 15) | 0.033 |
| 0.198 (4/17/2019) | ND<0.1 U (8/9/2016) | (0.198 - 0.1)/(25 - 15) | 0.0098 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (8/9/2016) | (0.198 - 0.1)/(28 - 15) | 0.00753846 |
| 0.212 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.212 - 0.1)/(29 - 15) | 0.008 |
| 0.127 (6/10/2020) | ND<0.1 U (8/9/2016) | (0.127 - 0.1)/(30 - 15) | 0.0018 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.309 - 0.1)/(32 - 15) | 0.0122941 |
| 0.241 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.241 - 0.1)/(33 - 15) | 0.00783333 |
| 7.95 (5/5/2021) | ND<0.1 U (8/9/2016) | (7.95 - 0.1)/(34 - 15) | 0.413158 |
| 0.139 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.139 - 0.1)/(35 - 15) | 0.00195 |
| 0.132 (11/23/2021) | ND<0.1 U (8/9/2016) | (0.132 - 0.1)/(36 - 15) | 0.00152381 |

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|---|---|---|---|
| 0.238 (1/10/2022) | ND<0.1 U (8/9/2016) | (0.238 - 0.1)/(37 - 15) | 0.00627273 |
| 0.16 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.16 - 0.1)/(38 - 15) | 0.0026087 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (8/9/2016) | (0.166 - 0.1)/(40 - 15) | 0.00264 |
| 0.265 (2/13/2023) | ND<0.1 U (8/9/2016) | (0.265 - 0.1)/(41 - 15) | 0.00634615 |
| | | | |
| 0.25 (3/2/2017) | 0.37 (12/7/2016) | (0.25 - 0.37)/(17 - 16) | -0.12 |
| ND<0.1 U (6/21/2017) | 0.37 (12/7/2016) | (0.1 - 0.37)/(18 - 16) | -0.135 |
| ND<0.1 U (8/17/2017) | 0.37 (12/7/2016) | (0.1 - 0.37)/(19 - 16) | -0.09 |
| 0.13 (10/26/2017) | 0.37 (12/7/2016) | (0.13 - 0.37)/(20 - 16) | -0.06 |
| 0.233 (3/27/2018) | 0.37 (12/7/2016) | (0.233 - 0.37)/(21 - 16) | -0.0274 |
| 0.108 (6/26/2018) | 0.37 (12/7/2016) | (0.108 - 0.37)/(22 - 16) | -0.0436667 |
| 0.335 (8/1/2018) | 0.37 (12/7/2016) | (0.335 - 0.37)/(23 - 16) | -0.005 |
| 0.397 (12/11/2018) | 0.37 (12/7/2016) | (0.397 - 0.37)/(24 - 16) | 0.003375 |
| 0.198 (4/17/2019) | 0.37 (12/7/2016) | (0.198 - 0.37)/(25 - 16) | -0.0191111 |
| ND<0.1 U (6/11/2019) | 0.37 (12/7/2016) | (0.1 - 0.37)/(26 - 16) | -0.027 |
| ND<0.1 U (8/28/2019) | 0.37 (12/7/2016) | (0.1 - 0.37)/(27 - 16) | -0.0245455 |
| 0.198 (10/28/2019) | 0.37 (12/7/2016) | (0.198 - 0.37)/(28 - 16) | -0.0143333 |
| 0.212 (3/31/2020) | 0.37 (12/7/2016) | (0.212 - 0.37)/(29 - 16) | -0.0121538 |
| 0.127 (6/10/2020) | 0.37 (12/7/2016) | (0.127 - 0.37)/(30 - 16) | -0.0173571 |
| ND<0.1 U (9/21/2020) | 0.37 (12/7/2016) | (0.1 - 0.37)/(31 - 16) | -0.018 |
| 0.309 (12/17/2020) | 0.37 (12/7/2016) | (0.309 - 0.37)/(32 - 16) | -0.0038125 |
| 0.241 (3/18/2021) | 0.37 (12/7/2016) | (0.241 - 0.37)/(33 - 16) | -0.00758824 |
| 7.95 (5/5/2021) | 0.37 (12/7/2016) | (7.95 - 0.37)/(34 - 16) | 0.421111 |
| 0.139 (9/2/2021) | 0.37 (12/7/2016) | (0.139 - 0.37)/(35 - 16) | -0.0121579 |
| 0.132 (11/23/2021) | 0.37 (12/7/2016) | (0.132 - 0.37)/(36 - 16) | -0.0119 |
| 0.238 (1/10/2022) | 0.37 (12/7/2016) | (0.238 - 0.37)/(37 - 16) | -0.00628571 |
| 0.16 (4/7/2022) | 0.37 (12/7/2016) | (0.16 - 0.37)/(38 - 16) | -0.00954545 |
| ND<0.1 U (8/3/2022) | 0.37 (12/7/2016) | (0.1 - 0.37)/(39 - 16) | -0.0117391 |
| 0.166 (11/16/2022) | 0.37 (12/7/2016) | (0.166 - 0.37)/(40 - 16) | -0.0085 |
| 0.265 (2/13/2023) | 0.37 (12/7/2016) | (0.265 - 0.37)/(41 - 16) | -0.0042 |
| | | | |
| ND<0.1 U (6/21/2017) | 0.25 (3/2/2017) | (0.1 - 0.25)/(18 - 17) | -0.15 |
| ND<0.1 U (8/17/2017) | 0.25 (3/2/2017) | (0.1 - 0.25)/(19 - 17) | -0.075 |
| 0.13 (10/26/2017) | 0.25 (3/2/2017) | (0.13 - 0.25)/(20 - 17) | -0.04 |
| 0.233 (3/27/2018) | 0.25 (3/2/2017) | (0.233 - 0.25)/(21 - 17) | -0.00425 |
| 0.108 (6/26/2018) | 0.25 (3/2/2017) | (0.108 - 0.25)/(22 - 17) | -0.0284 |
| 0.335 (8/1/2018) | 0.25 (3/2/2017) | (0.335 - 0.25)/(23 - 17) | 0.0141667 |
| 0.397 (12/11/2018) | 0.25 (3/2/2017) | (0.397 - 0.25)/(24 - 17) | 0.021 |
| 0.198 (4/17/2019) | 0.25 (3/2/2017) | (0.198 - 0.25)/(25 - 17) | -0.0065 |
| ND<0.1 U (6/11/2019) | 0.25 (3/2/2017) | (0.1 - 0.25)/(26 - 17) | -0.0166667 |
| ND<0.1 U (8/28/2019) | 0.25 (3/2/2017) | (0.1 - 0.25)/(27 - 17) | -0.015 |
| 0.198 (10/28/2019) | 0.25 (3/2/2017) | (0.198 - 0.25)/(28 - 17) | -0.00472727 |
| 0.212 (3/31/2020) | 0.25 (3/2/2017) | (0.212 - 0.25)/(29 - 17) | -0.00316667 |
| 0.127 (6/10/2020) | 0.25 (3/2/2017) | (0.127 - 0.25)/(30 - 17) | -0.00946154 |
| ND<0.1 U (9/21/2020) | 0.25 (3/2/2017) | (0.1 - 0.25)/(31 - 17) | -0.0107143 |
| 0.309 (12/17/2020) | 0.25 (3/2/2017) | (0.309 - 0.25)/(32 - 17) | 0.00393333 |
| 0.241 (3/18/2021) | 0.25 (3/2/2017) | (0.241 - 0.25)/(33 - 17) | -0.0005625 |
| 7.95 (5/5/2021) | 0.25 (3/2/2017) | (7.95 - 0.25)/(34 - 17) | 0.452941 |
| 0.139 (9/2/2021) | 0.25 (3/2/2017) | (0.139 - 0.25)/(35 - 17) | -0.00616667 |
| 0.132 (11/23/2021) | 0.25 (3/2/2017) | (0.132 - 0.25)/(36 - 17) | -0.00621053 |
| 0.238 (1/10/2022) | 0.25 (3/2/2017) | (0.238 - 0.25)/(37 - 17) | -0.0006 |
| 0.16 (4/7/2022) | 0.25 (3/2/2017) | (0.16 - 0.25)/(38 - 17) | -0.00428571 |
| ND<0.1 U (8/3/2022) | 0.25 (3/2/2017) | (0.1 - 0.25)/(39 - 17) | -0.00681818 |
| 0.166 (11/16/2022) | 0.25 (3/2/2017) | (0.166 - 0.25)/(40 - 17) | -0.00365217 |
| 0.265 (2/13/2023) | 0.25 (3/2/2017) | (0.265 - 0.25)/(41 - 17) | 0.000625 |

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|---|---|---|---|
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| 0.13 (10/26/2017) | ND<0.1 U (6/21/2017) | (0.13 - 0.1)/(20 - 18) | 0.015 |
| 0.233 (3/27/2018) | ND<0.1 U (6/21/2017) | (0.233 - 0.1)/(21 - 18) | 0.0443333 |
| 0.108 (6/26/2018) | ND<0.1 U (6/21/2017) | (0.108 - 0.1)/(22 - 18) | 0.002 |
| 0.335 (8/1/2018) | ND<0.1 U (6/21/2017) | (0.335 - 0.1)/(23 - 18) | 0.047 |
| 0.397 (12/11/2018) | ND<0.1 U (6/21/2017) | (0.397 - 0.1)/(24 - 18) | 0.0495 |
| 0.198 (4/17/2019) | ND<0.1 U (6/21/2017) | (0.198 - 0.1)/(25 - 18) | 0.014 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (6/21/2017) | (0.198 - 0.1)/(28 - 18) | 0.0098 |
| 0.212 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.212 - 0.1)/(29 - 18) | 0.0101818 |
| 0.127 (6/10/2020) | ND<0.1 U (6/21/2017) | (0.127 - 0.1)/(30 - 18) | 0.00225 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (6/21/2017) | (0.309 - 0.1)/(32 - 18) | 0.0149286 |
| 0.241 (3/18/2021) | ND<0.1 U (6/21/2017) | (0.241 - 0.1)/(33 - 18) | 0.0094 |
| 7.95 (5/5/2021) | ND<0.1 U (6/21/2017) | (7.95 - 0.1)/(34 - 18) | 0.490625 |
| 0.139 (9/2/2021) | ND<0.1 U (6/21/2017) | (0.139 - 0.1)/(35 - 18) | 0.00229412 |
| 0.132 (11/23/2021) | ND<0.1 U (6/21/2017) | (0.132 - 0.1)/(36 - 18) | 0.00177778 |
| 0.238 (1/10/2022) | ND<0.1 U (6/21/2017) | (0.238 - 0.1)/(37 - 18) | 0.00726316 |
| 0.16 (4/7/2022) | ND<0.1 U (6/21/2017) | (0.16 - 0.1)/(38 - 18) | 0.003 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (6/21/2017) | (0.166 - 0.1)/(40 - 18) | 0.003 |
| 0.265 (2/13/2023) | ND<0.1 U (6/21/2017) | (0.265 - 0.1)/(41 - 18) | 0.00717391 |
| | | | |
| 0.13 (10/26/2017) | ND<0.1 U (8/17/2017) | (0.13 - 0.1)/(20 - 19) | 0.03 |
| 0.233 (3/27/2018) | ND<0.1 U (8/17/2017) | (0.233 - 0.1)/(21 - 19) | 0.0665 |
| 0.108 (6/26/2018) | ND<0.1 U (8/17/2017) | (0.108 - 0.1)/(22 - 19) | 0.00266667 |
| 0.335 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.335 - 0.1)/(23 - 19) | 0.05875 |
| 0.397 (12/11/2018) | ND<0.1 U (8/17/2017) | (0.397 - 0.1)/(24 - 19) | 0.0594 |
| 0.198 (4/17/2019) | ND<0.1 U (8/17/2017) | (0.198 - 0.1)/(25 - 19) | 0.0163333 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (8/17/2017) | (0.198 - 0.1)/(28 - 19) | 0.0108889 |
| 0.212 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.212 - 0.1)/(29 - 19) | 0.0112 |
| 0.127 (6/10/2020) | ND<0.1 U (8/17/2017) | (0.127 - 0.1)/(30 - 19) | 0.00245455 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (8/17/2017) | (0.309 - 0.1)/(32 - 19) | 0.0160769 |
| 0.241 (3/18/2021) | ND<0.1 U (8/17/2017) | (0.241 - 0.1)/(33 - 19) | 0.0100714 |
| 7.95 (5/5/2021) | ND<0.1 U (8/17/2017) | (7.95 - 0.1)/(34 - 19) | 0.523333 |
| 0.139 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.139 - 0.1)/(35 - 19) | 0.0024375 |
| 0.132 (11/23/2021) | ND<0.1 U (8/17/2017) | (0.132 - 0.1)/(36 - 19) | 0.00188235 |
| 0.238 (1/10/2022) | ND<0.1 U (8/17/2017) | (0.238 - 0.1)/(37 - 19) | 0.00766667 |
| 0.16 (4/7/2022) | ND<0.1 U (8/17/2017) | (0.16 - 0.1)/(38 - 19) | 0.00315789 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (8/17/2017) | (0.166 - 0.1)/(40 - 19) | 0.00314286 |
| 0.265 (2/13/2023) | ND<0.1 U (8/17/2017) | (0.265 - 0.1)/(41 - 19) | 0.0075 |
| | | | |
| 0.233 (3/27/2018) | 0.13 (10/26/2017) | (0.233 - 0.13)/(21 - 20) | 0.103 |
| 0.108 (6/26/2018) | 0.13 (10/26/2017) | (0.108 - 0.13)/(22 - 20) | -0.011 |
| 0.335 (8/1/2018) | 0.13 (10/26/2017) | (0.335 - 0.13)/(23 - 20) | 0.0683333 |
| 0.397 (12/11/2018) | 0.13 (10/26/2017) | (0.397 - 0.13)/(24 - 20) | 0.06675 |
| 0.198 (4/17/2019) | 0.13 (10/26/2017) | (0.198 - 0.13)/(25 - 20) | 0.0136 |
| ND<0.1 U (6/11/2019) | 0.13 (10/26/2017) | (0.1 - 0.13)/(26 - 20) | -0.005 |
| ND<0.1 U (8/28/2019) | 0.13 (10/26/2017) | (0.1 - 0.13)/(27 - 20) | -0.00428571 |
| 0.198 (10/28/2019) | 0.13 (10/26/2017) | (0.198 - 0.13)/(28 - 20) | 0.0085 |
| 0.212 (3/31/2020) | 0.13 (10/26/2017) | (0.212 - 0.13)/(29 - 20) | 0.00911111 |
| 0.127 (6/10/2020) | 0.13 (10/26/2017) | (0.127 - 0.13)/(30 - 20) | -0.0003 |

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|---|---|---|---|
| ND<0.1 U (9/21/2020) | 0.13 (10/26/2017) | (0.1 - 0.13)/(31 - 20) | -0.00272727 |
| 0.309 (12/17/2020) | 0.13 (10/26/2017) | (0.309 - 0.13)/(32 - 20) | 0.0149167 |
| 0.241 (3/18/2021) | 0.13 (10/26/2017) | (0.241 - 0.13)/(33 - 20) | 0.00853846 |
| 7.95 (5/5/2021) | 0.13 (10/26/2017) | (7.95 - 0.13)/(34 - 20) | 0.558571 |
| 0.139 (9/2/2021) | 0.13 (10/26/2017) | (0.139 - 0.13)/(35 - 20) | 0.0006 |
| 0.132 (11/23/2021) | 0.13 (10/26/2017) | (0.132 - 0.13)/(36 - 20) | 0.000125 |
| 0.238 (1/10/2022) | 0.13 (10/26/2017) | (0.238 - 0.13)/(37 - 20) | 0.00635294 |
| 0.16 (4/7/2022) | 0.13 (10/26/2017) | (0.16 - 0.13)/(38 - 20) | 0.00166667 |
| ND<0.1 U (8/3/2022) | 0.13 (10/26/2017) | (0.1 - 0.13)/(39 - 20) | -0.00157895 |
| 0.166 (11/16/2022) | 0.13 (10/26/2017) | (0.166 - 0.13)/(40 - 20) | 0.0018 |
| 0.265 (2/13/2023) | 0.13 (10/26/2017) | (0.265 - 0.13)/(41 - 20) | 0.00642857 |
| | | | |
| 0.108 (6/26/2018) | 0.233 (3/27/2018) | (0.108 - 0.233)/(22 - 21) | -0.125 |
| 0.335 (8/1/2018) | 0.233 (3/27/2018) | (0.335 - 0.233)/(23 - 21) | 0.051 |
| 0.397 (12/11/2018) | 0.233 (3/27/2018) | (0.397 - 0.233)/(24 - 21) | 0.0546667 |
| 0.198 (4/17/2019) | 0.233 (3/27/2018) | (0.198 - 0.233)/(25 - 21) | -0.00875 |
| ND<0.1 U (6/11/2019) | 0.233 (3/27/2018) | (0.1 - 0.233)/(26 - 21) | -0.0266 |
| ND<0.1 U (8/28/2019) | 0.233 (3/27/2018) | (0.1 - 0.233)/(27 - 21) | -0.0221667 |
| 0.198 (10/28/2019) | 0.233 (3/27/2018) | (0.198 - 0.233)/(28 - 21) | -0.005 |
| 0.212 (3/31/2020) | 0.233 (3/27/2018) | (0.212 - 0.233)/(29 - 21) | -0.002625 |
| 0.127 (6/10/2020) | 0.233 (3/27/2018) | (0.127 - 0.233)/(30 - 21) | -0.0117778 |
| ND<0.1 U (9/21/2020) | 0.233 (3/27/2018) | (0.1 - 0.233)/(31 - 21) | -0.0133 |
| 0.309 (12/17/2020) | 0.233 (3/27/2018) | (0.309 - 0.233)/(32 - 21) | 0.00690909 |
| 0.241 (3/18/2021) | 0.233 (3/27/2018) | (0.241 - 0.233)/(33 - 21) | 0.000666667 |
| 7.95 (5/5/2021) | 0.233 (3/27/2018) | (7.95 - 0.233)/(34 - 21) | 0.593615 |
| 0.139 (9/2/2021) | 0.233 (3/27/2018) | (0.139 - 0.233)/(35 - 21) | -0.00671429 |
| 0.132 (11/23/2021) | 0.233 (3/27/2018) | (0.132 - 0.233)/(36 - 21) | -0.00673333 |
| 0.238 (1/10/2022) | 0.233 (3/27/2018) | (0.238 - 0.233)/(37 - 21) | 0.0003125 |
| 0.16 (4/7/2022) | 0.233 (3/27/2018) | (0.16 - 0.233)/(38 - 21) | -0.00429412 |
| ND<0.1 U (8/3/2022) | 0.233 (3/27/2018) | (0.1 - 0.233)/(39 - 21) | -0.00738889 |
| 0.166 (11/16/2022) | 0.233 (3/27/2018) | (0.166 - 0.233)/(40 - 21) | -0.00352632 |
| 0.265 (2/13/2023) | 0.233 (3/27/2018) | (0.265 - 0.233)/(41 - 21) | 0.0016 |
| | | | |
| 0.335 (8/1/2018) | 0.108 (6/26/2018) | (0.335 - 0.108)/(23 - 22) | 0.227 |
| 0.397 (12/11/2018) | 0.108 (6/26/2018) | (0.397 - 0.108)/(24 - 22) | 0.1445 |
| 0.198 (4/17/2019) | 0.108 (6/26/2018) | (0.198 - 0.108)/(25 - 22) | 0.03 |
| ND<0.1 U (6/11/2019) | 0.108 (6/26/2018) | (0.1 - 0.108)/(26 - 22) | -0.002 |
| ND<0.1 U (8/28/2019) | 0.108 (6/26/2018) | (0.1 - 0.108)/(27 - 22) | -0.0016 |
| 0.198 (10/28/2019) | 0.108 (6/26/2018) | (0.198 - 0.108)/(28 - 22) | 0.015 |
| 0.212 (3/31/2020) | 0.108 (6/26/2018) | (0.212 - 0.108)/(29 - 22) | 0.0148571 |
| 0.127 (6/10/2020) | 0.108 (6/26/2018) | (0.127 - 0.108)/(30 - 22) | 0.002375 |
| ND<0.1 U (9/21/2020) | 0.108 (6/26/2018) | (0.1 - 0.108)/(31 - 22) | -0.000888889 |
| 0.309 (12/17/2020) | 0.108 (6/26/2018) | (0.309 - 0.108)/(32 - 22) | 0.0201 |
| 0.241 (3/18/2021) | 0.108 (6/26/2018) | (0.241 - 0.108)/(33 - 22) | 0.0120909 |
| 7.95 (5/5/2021) | 0.108 (6/26/2018) | (7.95 - 0.108)/(34 - 22) | 0.6535 |
| 0.139 (9/2/2021) | 0.108 (6/26/2018) | (0.139 - 0.108)/(35 - 22) | 0.00238462 |
| 0.132 (11/23/2021) | 0.108 (6/26/2018) | (0.132 - 0.108)/(36 - 22) | 0.00171429 |
| 0.238 (1/10/2022) | 0.108 (6/26/2018) | (0.238 - 0.108)/(37 - 22) | 0.00866667 |
| 0.16 (4/7/2022) | 0.108 (6/26/2018) | (0.16 - 0.108)/(38 - 22) | 0.00325 |
| ND<0.1 U (8/3/2022) | 0.108 (6/26/2018) | (0.1 - 0.108)/(39 - 22) | -0.000470588 |
| 0.166 (11/16/2022) | 0.108 (6/26/2018) | (0.166 - 0.108)/(40 - 22) | 0.00322222 |
| 0.265 (2/13/2023) | 0.108 (6/26/2018) | (0.265 - 0.108)/(41 - 22) | 0.00826316 |
| | | | |
| 0.397 (12/11/2018) | 0.335 (8/1/2018) | (0.397 - 0.335)/(24 - 23) | 0.062 |
| 0.198 (4/17/2019) | 0.335 (8/1/2018) | (0.198 - 0.335)/(25 - 23) | -0.0685 |
| ND<0.1 U (6/11/2019) | 0.335 (8/1/2018) | (0.1 - 0.335)/(26 - 23) | -0.0783333 |
| ND<0.1 U (8/28/2019) | 0.335 (8/1/2018) | (0.1 - 0.335)/(27 - 23) | -0.05875 |

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|---|---|---|---|
| 0.198 (10/28/2019) | 0.335 (8/1/2018) | (0.198 - 0.335)/(28 - 23) | -0.0274 |
| 0.212 (3/31/2020) | 0.335 (8/1/2018) | (0.212 - 0.335)/(29 - 23) | -0.0205 |
| 0.127 (6/10/2020) | 0.335 (8/1/2018) | (0.127 - 0.335)/(30 - 23) | -0.0297143 |
| ND<0.1 U (9/21/2020) | 0.335 (8/1/2018) | (0.1 - 0.335)/(31 - 23) | -0.029375 |
| 0.309 (12/17/2020) | 0.335 (8/1/2018) | (0.309 - 0.335)/(32 - 23) | -0.00288889 |
| 0.241 (3/18/2021) | 0.335 (8/1/2018) | (0.241 - 0.335)/(33 - 23) | -0.0094 |
| 7.95 (5/5/2021) | 0.335 (8/1/2018) | (7.95 - 0.335)/(34 - 23) | 0.692273 |
| 0.139 (9/2/2021) | 0.335 (8/1/2018) | (0.139 - 0.335)/(35 - 23) | -0.0163333 |
| 0.132 (11/23/2021) | 0.335 (8/1/2018) | (0.132 - 0.335)/(36 - 23) | -0.0156154 |
| 0.238 (1/10/2022) | 0.335 (8/1/2018) | (0.238 - 0.335)/(37 - 23) | -0.00692857 |
| 0.16 (4/7/2022) | 0.335 (8/1/2018) | (0.16 - 0.335)/(38 - 23) | -0.0116667 |
| ND<0.1 U (8/3/2022) | 0.335 (8/1/2018) | (0.1 - 0.335)/(39 - 23) | -0.0146875 |
| 0.166 (11/16/2022) | 0.335 (8/1/2018) | (0.166 - 0.335)/(40 - 23) | -0.00994118 |
| 0.265 (2/13/2023) | 0.335 (8/1/2018) | (0.265 - 0.335)/(41 - 23) | -0.00388889 |
| | | | |
| 0.198 (4/17/2019) | 0.397 (12/11/2018) | (0.198 - 0.397)/(25 - 24) | -0.199 |
| ND<0.1 U (6/11/2019) | 0.397 (12/11/2018) | (0.1 - 0.397)/(26 - 24) | -0.1485 |
| ND<0.1 U (8/28/2019) | 0.397 (12/11/2018) | (0.1 - 0.397)/(27 - 24) | -0.099 |
| 0.198 (10/28/2019) | 0.397 (12/11/2018) | (0.198 - 0.397)/(28 - 24) | -0.04975 |
| 0.212 (3/31/2020) | 0.397 (12/11/2018) | (0.212 - 0.397)/(29 - 24) | -0.037 |
| 0.127 (6/10/2020) | 0.397 (12/11/2018) | (0.127 - 0.397)/(30 - 24) | -0.045 |
| ND<0.1 U (9/21/2020) | 0.397 (12/11/2018) | (0.1 - 0.397)/(31 - 24) | -0.0424286 |
| 0.309 (12/17/2020) | 0.397 (12/11/2018) | (0.309 - 0.397)/(32 - 24) | -0.011 |
| 0.241 (3/18/2021) | 0.397 (12/11/2018) | (0.241 - 0.397)/(33 - 24) | -0.0173333 |
| 7.95 (5/5/2021) | 0.397 (12/11/2018) | (7.95 - 0.397)/(34 - 24) | 0.7553 |
| 0.139 (9/2/2021) | 0.397 (12/11/2018) | (0.139 - 0.397)/(35 - 24) | -0.0234545 |
| 0.132 (11/23/2021) | 0.397 (12/11/2018) | (0.132 - 0.397)/(36 - 24) | -0.0220833 |
| 0.238 (1/10/2022) | 0.397 (12/11/2018) | (0.238 - 0.397)/(37 - 24) | -0.0122308 |
| 0.16 (4/7/2022) | 0.397 (12/11/2018) | (0.16 - 0.397)/(38 - 24) | -0.0169286 |
| ND<0.1 U (8/3/2022) | 0.397 (12/11/2018) | (0.1 - 0.397)/(39 - 24) | -0.0198 |
| 0.166 (11/16/2022) | 0.397 (12/11/2018) | (0.166 - 0.397)/(40 - 24) | -0.0144375 |
| 0.265 (2/13/2023) | 0.397 (12/11/2018) | (0.265 - 0.397)/(41 - 24) | -0.00776471 |
| | | | |
| ND<0.1 U (6/11/2019) | 0.198 (4/17/2019) | (0.1 - 0.198)/(26 - 25) | -0.098 |
| ND<0.1 U (8/28/2019) | 0.198 (4/17/2019) | (0.1 - 0.198)/(27 - 25) | -0.049 |
| 0.198 (10/28/2019) | 0.198 (4/17/2019) | (0.198 - 0.198)/(28 - 25) | 0 |
| 0.212 (3/31/2020) | 0.198 (4/17/2019) | (0.212 - 0.198)/(29 - 25) | 0.0035 |
| 0.127 (6/10/2020) | 0.198 (4/17/2019) | (0.127 - 0.198)/(30 - 25) | -0.0142 |
| ND<0.1 U (9/21/2020) | 0.198 (4/17/2019) | (0.1 - 0.198)/(31 - 25) | -0.0163333 |
| 0.309 (12/17/2020) | 0.198 (4/17/2019) | (0.309 - 0.198)/(32 - 25) | 0.0158571 |
| 0.241 (3/18/2021) | 0.198 (4/17/2019) | (0.241 - 0.198)/(33 - 25) | 0.005375 |
| 7.95 (5/5/2021) | 0.198 (4/17/2019) | (7.95 - 0.198)/(34 - 25) | 0.861333 |
| 0.139 (9/2/2021) | 0.198 (4/17/2019) | (0.139 - 0.198)/(35 - 25) | -0.0059 |
| 0.132 (11/23/2021) | 0.198 (4/17/2019) | (0.132 - 0.198)/(36 - 25) | -0.006 |
| 0.238 (1/10/2022) | 0.198 (4/17/2019) | (0.238 - 0.198)/(37 - 25) | 0.00333333 |
| 0.16 (4/7/2022) | 0.198 (4/17/2019) | (0.16 - 0.198)/(38 - 25) | -0.00292308 |
| ND<0.1 U (8/3/2022) | 0.198 (4/17/2019) | (0.1 - 0.198)/(39 - 25) | -0.007 |
| 0.166 (11/16/2022) | 0.198 (4/17/2019) | (0.166 - 0.198)/(40 - 25) | -0.00213333 |
| 0.265 (2/13/2023) | 0.198 (4/17/2019) | (0.265 - 0.198)/(41 - 25) | 0.0041875 |
| | | | |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| 0.198 (10/28/2019) | ND<0.1 U (6/11/2019) | (0.198 - 0.1)/(28 - 26) | 0.049 |
| 0.212 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.212 - 0.1)/(29 - 26) | 0.0373333 |
| 0.127 (6/10/2020) | ND<0.1 U (6/11/2019) | (0.127 - 0.1)/(30 - 26) | 0.00675 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (6/11/2019) | (0.309 - 0.1)/(32 - 26) | 0.0348333 |
| 0.241 (3/18/2021) | ND<0.1 U (6/11/2019) | (0.241 - 0.1)/(33 - 26) | 0.0201429 |

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|---|---|---|---|
| 7.95 (5/5/2021) | ND<0.1 U (6/11/2019) | (7.95 - 0.1)/(34 - 26) | 0.98125 |
| 0.139 (9/2/2021) | ND<0.1 U (6/11/2019) | (0.139 - 0.1)/(35 - 26) | 0.00433333 |
| 0.132 (11/23/2021) | ND<0.1 U (6/11/2019) | (0.132 - 0.1)/(36 - 26) | 0.0032 |
| 0.238 (1/10/2022) | ND<0.1 U (6/11/2019) | (0.238 - 0.1)/(37 - 26) | 0.0125455 |
| 0.16 (4/7/2022) | ND<0.1 U (6/11/2019) | (0.16 - 0.1)/(38 - 26) | 0.005 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (6/11/2019) | (0.166 - 0.1)/(40 - 26) | 0.00471429 |
| 0.265 (2/13/2023) | ND<0.1 U (6/11/2019) | (0.265 - 0.1)/(41 - 26) | 0.011 |
| | | | |
| 0.198 (10/28/2019) | ND<0.1 U (8/28/2019) | (0.198 - 0.1)/(28 - 27) | 0.098 |
| 0.212 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.212 - 0.1)/(29 - 27) | 0.056 |
| 0.127 (6/10/2020) | ND<0.1 U (8/28/2019) | (0.127 - 0.1)/(30 - 27) | 0.009 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.309 (12/17/2020) | ND<0.1 U (8/28/2019) | (0.309 - 0.1)/(32 - 27) | 0.0418 |
| 0.241 (3/18/2021) | ND<0.1 U (8/28/2019) | (0.241 - 0.1)/(33 - 27) | 0.0235 |
| 7.95 (5/5/2021) | ND<0.1 U (8/28/2019) | (7.95 - 0.1)/(34 - 27) | 1.12143 |
| 0.139 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.139 - 0.1)/(35 - 27) | 0.004875 |
| 0.132 (11/23/2021) | ND<0.1 U (8/28/2019) | (0.132 - 0.1)/(36 - 27) | 0.00355556 |
| 0.238 (1/10/2022) | ND<0.1 U (8/28/2019) | (0.238 - 0.1)/(37 - 27) | 0.0138 |
| 0.16 (4/7/2022) | ND<0.1 U (8/28/2019) | (0.16 - 0.1)/(38 - 27) | 0.00545455 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (8/28/2019) | (0.166 - 0.1)/(40 - 27) | 0.00507692 |
| 0.265 (2/13/2023) | ND<0.1 U (8/28/2019) | (0.265 - 0.1)/(41 - 27) | 0.0117857 |
| | | | |
| 0.212 (3/31/2020) | 0.198 (10/28/2019) | (0.212 - 0.198)/(29 - 28) | 0.014 |
| 0.127 (6/10/2020) | 0.198 (10/28/2019) | (0.127 - 0.198)/(30 - 28) | -0.0355 |
| ND<0.1 U (9/21/2020) | 0.198 (10/28/2019) | (0.1 - 0.198)/(31 - 28) | -0.0326667 |
| 0.309 (12/17/2020) | 0.198 (10/28/2019) | (0.309 - 0.198)/(32 - 28) | 0.02775 |
| 0.241 (3/18/2021) | 0.198 (10/28/2019) | (0.241 - 0.198)/(33 - 28) | 0.0086 |
| 7.95 (5/5/2021) | 0.198 (10/28/2019) | (7.95 - 0.198)/(34 - 28) | 1.292 |
| 0.139 (9/2/2021) | 0.198 (10/28/2019) | (0.139 - 0.198)/(35 - 28) | -0.00842857 |
| 0.132 (11/23/2021) | 0.198 (10/28/2019) | (0.132 - 0.198)/(36 - 28) | -0.00825 |
| 0.238 (1/10/2022) | 0.198 (10/28/2019) | (0.238 - 0.198)/(37 - 28) | 0.00444444 |
| 0.16 (4/7/2022) | 0.198 (10/28/2019) | (0.16 - 0.198)/(38 - 28) | -0.0038 |
| ND<0.1 U (8/3/2022) | 0.198 (10/28/2019) | (0.1 - 0.198)/(39 - 28) | -0.00890909 |
| 0.166 (11/16/2022) | 0.198 (10/28/2019) | (0.166 - 0.198)/(40 - 28) | -0.00266667 |
| 0.265 (2/13/2023) | 0.198 (10/28/2019) | (0.265 - 0.198)/(41 - 28) | 0.00515385 |
| | | | |
| 0.127 (6/10/2020) | 0.212 (3/31/2020) | (0.127 - 0.212)/(30 - 29) | -0.085 |
| ND<0.1 U (9/21/2020) | 0.212 (3/31/2020) | (0.1 - 0.212)/(31 - 29) | -0.056 |
| 0.309 (12/17/2020) | 0.212 (3/31/2020) | (0.309 - 0.212)/(32 - 29) | 0.0323333 |
| 0.241 (3/18/2021) | 0.212 (3/31/2020) | (0.241 - 0.212)/(33 - 29) | 0.00725 |
| 7.95 (5/5/2021) | 0.212 (3/31/2020) | (7.95 - 0.212)/(34 - 29) | 1.5476 |
| 0.139 (9/2/2021) | 0.212 (3/31/2020) | (0.139 - 0.212)/(35 - 29) | -0.0121667 |
| 0.132 (11/23/2021) | 0.212 (3/31/2020) | (0.132 - 0.212)/(36 - 29) | -0.0114286 |
| 0.238 (1/10/2022) | 0.212 (3/31/2020) | (0.238 - 0.212)/(37 - 29) | 0.00325 |
| 0.16 (4/7/2022) | 0.212 (3/31/2020) | (0.16 - 0.212)/(38 - 29) | -0.00577778 |
| ND<0.1 U (8/3/2022) | 0.212 (3/31/2020) | (0.1 - 0.212)/(39 - 29) | -0.0112 |
| 0.166 (11/16/2022) | 0.212 (3/31/2020) | (0.166 - 0.212)/(40 - 29) | -0.00418182 |
| 0.265 (2/13/2023) | 0.212 (3/31/2020) | (0.265 - 0.212)/(41 - 29) | 0.00441667 |
| | | | |
| ND<0.1 U (9/21/2020) | 0.127 (6/10/2020) | (0.1 - 0.127)/(31 - 30) | -0.027 |
| 0.309 (12/17/2020) | 0.127 (6/10/2020) | (0.309 - 0.127)/(32 - 30) | 0.091 |
| 0.241 (3/18/2021) | 0.127 (6/10/2020) | (0.241 - 0.127)/(33 - 30) | 0.038 |
| 7.95 (5/5/2021) | 0.127 (6/10/2020) | (7.95 - 0.127)/(34 - 30) | 1.95575 |
| 0.139 (9/2/2021) | 0.127 (6/10/2020) | (0.139 - 0.127)/(35 - 30) | 0.0024 |
| 0.132 (11/23/2021) | 0.127 (6/10/2020) | (0.132 - 0.127)/(36 - 30) | 0.000833333 |

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| 0.238 (1/10/2022) | 0.127 (6/10/2020) | (0.238 - 0.127)/(37 - 30) | 0.0158571 |
| 0.16 (4/7/2022) | 0.127 (6/10/2020) | (0.16 - 0.127)/(38 - 30) | 0.004125 |
| ND<0.1 U (8/3/2022) | 0.127 (6/10/2020) | (0.1 - 0.127)/(39 - 30) | -0.003 |
| 0.166 (11/16/2022) | 0.127 (6/10/2020) | (0.166 - 0.127)/(40 - 30) | 0.0039 |
| 0.265 (2/13/2023) | 0.127 (6/10/2020) | (0.265 - 0.127)/(41 - 30) | 0.0125455 |
| | | | |
| 0.309 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.309 - 0.1)/(32 - 31) | 0.209 |
| 0.241 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.241 - 0.1)/(33 - 31) | 0.0705 |
| 7.95 (5/5/2021) | ND<0.1 U (9/21/2020) | (7.95 - 0.1)/(34 - 31) | 2.61667 |
| 0.139 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.139 - 0.1)/(35 - 31) | 0.00975 |
| 0.132 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.132 - 0.1)/(36 - 31) | 0.0064 |
| 0.238 (1/10/2022) | ND<0.1 U (9/21/2020) | (0.238 - 0.1)/(37 - 31) | 0.023 |
| 0.16 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.16 - 0.1)/(38 - 31) | 0.00857143 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| 0.166 (11/16/2022) | ND<0.1 U (9/21/2020) | (0.166 - 0.1)/(40 - 31) | 0.00733333 |
| 0.265 (2/13/2023) | ND<0.1 U (9/21/2020) | (0.265 - 0.1)/(41 - 31) | 0.0165 |
| | | | |
| 0.241 (3/18/2021) | 0.309 (12/17/2020) | (0.241 - 0.309)/(33 - 32) | -0.068 |
| 7.95 (5/5/2021) | 0.309 (12/17/2020) | (7.95 - 0.309)/(34 - 32) | 3.8205 |
| 0.139 (9/2/2021) | 0.309 (12/17/2020) | (0.139 - 0.309)/(35 - 32) | -0.0566667 |
| 0.132 (11/23/2021) | 0.309 (12/17/2020) | (0.132 - 0.309)/(36 - 32) | -0.04425 |
| 0.238 (1/10/2022) | 0.309 (12/17/2020) | (0.238 - 0.309)/(37 - 32) | -0.0142 |
| 0.16 (4/7/2022) | 0.309 (12/17/2020) | (0.16 - 0.309)/(38 - 32) | -0.0248333 |
| ND<0.1 U (8/3/2022) | 0.309 (12/17/2020) | (0.1 - 0.309)/(39 - 32) | -0.0298571 |
| 0.166 (11/16/2022) | 0.309 (12/17/2020) | (0.166 - 0.309)/(40 - 32) | -0.017875 |
| 0.265 (2/13/2023) | 0.309 (12/17/2020) | (0.265 - 0.309)/(41 - 32) | -0.00488889 |
| | | | |
| 7.95 (5/5/2021) | 0.241 (3/18/2021) | (7.95 - 0.241)/(34 - 33) | 7.709 |
| 0.139 (9/2/2021) | 0.241 (3/18/2021) | (0.139 - 0.241)/(35 - 33) | -0.051 |
| 0.132 (11/23/2021) | 0.241 (3/18/2021) | (0.132 - 0.241)/(36 - 33) | -0.0363333 |
| 0.238 (1/10/2022) | 0.241 (3/18/2021) | (0.238 - 0.241)/(37 - 33) | -0.00075 |
| 0.16 (4/7/2022) | 0.241 (3/18/2021) | (0.16 - 0.241)/(38 - 33) | -0.0162 |
| ND<0.1 U (8/3/2022) | 0.241 (3/18/2021) | (0.1 - 0.241)/(39 - 33) | -0.0235 |
| 0.166 (11/16/2022) | 0.241 (3/18/2021) | (0.166 - 0.241)/(40 - 33) | -0.0107143 |
| 0.265 (2/13/2023) | 0.241 (3/18/2021) | (0.265 - 0.241)/(41 - 33) | 0.003 |
| | | | |
| 0.139 (9/2/2021) | 7.95 (5/5/2021) | (0.139 - 7.95)/(35 - 34) | -7.811 |
| 0.132 (11/23/2021) | 7.95 (5/5/2021) | (0.132 - 7.95)/(36 - 34) | -3.909 |
| 0.238 (1/10/2022) | 7.95 (5/5/2021) | (0.238 - 7.95)/(37 - 34) | -2.57067 |
| 0.16 (4/7/2022) | 7.95 (5/5/2021) | (0.16 - 7.95)/(38 - 34) | -1.9475 |
| ND<0.1 U (8/3/2022) | 7.95 (5/5/2021) | (0.1 - 7.95)/(39 - 34) | -1.57 |
| 0.166 (11/16/2022) | 7.95 (5/5/2021) | (0.166 - 7.95)/(40 - 34) | -1.29733 |
| 0.265 (2/13/2023) | 7.95 (5/5/2021) | (0.265 - 7.95)/(41 - 34) | -1.09786 |
| | | | |
| 0.132 (11/23/2021) | 0.139 (9/2/2021) | (0.132 - 0.139)/(36 - 35) | -0.007 |
| 0.238 (1/10/2022) | 0.139 (9/2/2021) | (0.238 - 0.139)/(37 - 35) | 0.0495 |
| 0.16 (4/7/2022) | 0.139 (9/2/2021) | (0.16 - 0.139)/(38 - 35) | 0.007 |
| ND<0.1 U (8/3/2022) | 0.139 (9/2/2021) | (0.1 - 0.139)/(39 - 35) | -0.00975 |
| 0.166 (11/16/2022) | 0.139 (9/2/2021) | (0.166 - 0.139)/(40 - 35) | 0.0054 |
| 0.265 (2/13/2023) | 0.139 (9/2/2021) | (0.265 - 0.139)/(41 - 35) | 0.021 |
| | | | |
| 0.238 (1/10/2022) | 0.132 (11/23/2021) | (0.238 - 0.132)/(37 - 36) | 0.106 |
| 0.16 (4/7/2022) | 0.132 (11/23/2021) | (0.16 - 0.132)/(38 - 36) | 0.014 |
| ND<0.1 U (8/3/2022) | 0.132 (11/23/2021) | (0.1 - 0.132)/(39 - 36) | -0.0106667 |
| 0.166 (11/16/2022) | 0.132 (11/23/2021) | (0.166 - 0.132)/(40 - 36) | 0.0085 |
| 0.265 (2/13/2023) | 0.132 (11/23/2021) | (0.265 - 0.132)/(41 - 36) | 0.0266 |

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|---|---|---|---|
| 0.16 (4/7/2022) | 0.238 (1/10/2022) | (0.16 - 0.238)/(38 - 37) | -0.078 |
| ND<0.1 U (8/3/2022) | 0.238 (1/10/2022) | (0.1 - 0.238)/(39 - 37) | -0.069 |
| 0.166 (11/16/2022) | 0.238 (1/10/2022) | (0.166 - 0.238)/(40 - 37) | -0.024 |
| 0.265 (2/13/2023) | 0.238 (1/10/2022) | (0.265 - 0.238)/(41 - 37) | 0.00675 |
| | | | |
| ND<0.1 U (8/3/2022) | 0.16 (4/7/2022) | (0.1 - 0.16)/(39 - 38) | -0.06 |
| 0.166 (11/16/2022) | 0.16 (4/7/2022) | (0.166 - 0.16)/(40 - 38) | 0.003 |
| 0.265 (2/13/2023) | 0.16 (4/7/2022) | (0.265 - 0.16)/(41 - 38) | 0.035 |
| | | | |
| 0.166 (11/16/2022) | ND<0.1 U (8/3/2022) | (0.166 - 0.1)/(40 - 39) | 0.066 |
| 0.265 (2/13/2023) | ND<0.1 U (8/3/2022) | (0.265 - 0.1)/(41 - 39) | 0.0825 |
| | | | |
| 0.265 (2/13/2023) | 0.166 (11/16/2022) | (0.265 - 0.166)/(41 - 40) | 0.099 |

Number of Q values = 820

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -7.811 |
| 2 | -3.909 |
| 3 | -2.57067 |
| 4 | -1.9475 |
| 5 | -1.57 |
| 6 | -1.29733 |
| 7 | -1.09786 |
| 8 | -0.35 |
| 9 | -0.199 |
| 10 | -0.185 |
| 11 | -0.16 |
| 12 | -0.15 |
| 13 | -0.1485 |
| 14 | -0.135 |
| 15 | -0.135 |
| 16 | -0.13 |
| 17 | -0.125 |
| 18 | -0.123333 |
| 19 | -0.12 |
| 20 | -0.12 |
| 21 | -0.11 |
| 22 | -0.099 |
| 23 | -0.098 |
| 24 | -0.09 |
| 25 | -0.09 |
| 26 | -0.085 |
| 27 | -0.08 |
| 28 | -0.0783333 |
| 29 | -0.078 |
| 30 | -0.075 |
| 31 | -0.069 |
| 32 | -0.0685 |
| 33 | -0.068 |
| 34 | -0.0616667 |
| 35 | -0.06 |
| 36 | -0.06 |
| 37 | -0.06 |
| 38 | -0.05875 |

| | |
|---|---|
| 39 | -0.0566667 |
| 40 | -0.056 |
| 41 | -0.055 |
| 42 | -0.0528571 |
| 43 | -0.051 |
| 44 | -0.04975 |
| 45 | -0.049 |
| 46 | -0.045 |
| 47 | -0.04425 |
| 48 | -0.044 |
| 49 | -0.0436667 |
| 50 | -0.0425 |
| 51 | -0.0424286 |
| 52 | -0.04 |
| 53 | -0.04 |
| 54 | -0.0385714 |
| 55 | -0.0375 |
| 56 | -0.037 |
| 57 | -0.0363333 |
| 58 | -0.0362 |
| 59 | -0.0355 |
| 60 | -0.0333333 |
| 61 | -0.0326667 |
| 62 | -0.0325 |
| 63 | -0.03 |
| 64 | -0.03 |
| 65 | -0.0298571 |
| 66 | -0.0297143 |
| 67 | -0.029375 |
| 68 | -0.0284 |
| 69 | -0.0277778 |
| 70 | -0.0274 |
| 71 | -0.0274 |
| 72 | -0.027 |
| 73 | -0.027 |
| 74 | -0.027 |
| 75 | -0.0266667 |
| 76 | -0.0266 |
| 77 | -0.0264286 |
| 78 | -0.0263333 |
| 79 | -0.026 |
| 80 | -0.025 |
| 81 | -0.025 |
| 82 | -0.025 |
| 83 | -0.0248333 |
| 84 | -0.0246667 |
| 85 | -0.0245455 |
| 86 | -0.0245455 |
| 87 | -0.024 |
| 88 | -0.024 |
| 89 | -0.024 |
| 90 | -0.0235 |
| 91 | -0.0234545 |
| 92 | -0.0221667 |
| 93 | -0.0220833 |
| 94 | -0.022 |
| 95 | -0.0209231 |

| | |
|---|---|
| 96 | -0.0205 |
| 97 | -0.02 |
| 98 | -0.02 |
| 99 | -0.02 |
| 100 | -0.02 |
| 101 | -0.0198 |
| 102 | -0.0194737 |
| 103 | -0.0192857 |
| 104 | -0.0191111 |
| 105 | -0.0190556 |
| 106 | -0.0183333 |
| 107 | -0.018 |
| 108 | -0.018 |
| 109 | -0.017875 |
| 110 | -0.0177778 |
| 111 | -0.0175 |
| 112 | -0.0173571 |
| 113 | -0.0173333 |
| 114 | -0.0171429 |
| 115 | -0.017 |
| 116 | -0.0169286 |
| 117 | -0.0166667 |
| 118 | -0.0163333 |
| 119 | -0.0163333 |
| 120 | -0.0162 |
| 121 | -0.016 |
| 122 | -0.0156154 |
| 123 | -0.0151765 |
| 124 | -0.015 |
| 125 | -0.015 |
| 126 | -0.015 |
| 127 | -0.0146875 |
| 128 | -0.0145556 |
| 129 | -0.0144444 |
| 130 | -0.0144375 |
| 131 | -0.0143913 |
| 132 | -0.0143333 |
| 133 | -0.0142 |
| 134 | -0.0142 |
| 135 | -0.0140833 |
| 136 | -0.0137037 |
| 137 | -0.0133333 |
| 138 | -0.0133333 |
| 139 | -0.0133333 |
| 140 | -0.0133 |
| 141 | -0.0123077 |
| 142 | -0.0122727 |
| 143 | -0.0122727 |
| 144 | -0.0122308 |
| 145 | -0.0121667 |
| 146 | -0.0121579 |
| 147 | -0.0121538 |
| 148 | -0.012 |
| 149 | -0.012 |
| 150 | -0.0119231 |
| 151 | -0.0119 |
| 152 | -0.0117778 |

| | |
|---|---|
| 153 | -0.0117391 |
| 154 | -0.0117391 |
| 155 | -0.0116667 |
| 156 | -0.0114286 |
| 157 | -0.0114286 |
| 158 | -0.0112 |
| 159 | -0.011 |
| 160 | -0.011 |
| 161 | -0.011 |
| 162 | -0.0109091 |
| 163 | -0.0109048 |
| 164 | -0.0108571 |
| 165 | -0.0108333 |
| 166 | -0.0107143 |
| 167 | -0.0107143 |
| 168 | -0.0106667 |
| 169 | -0.01 |
| 170 | -0.01 |
| 171 | -0.01 |
| 172 | -0.01 |
| 173 | -0.01 |
| 174 | -0.00994118 |
| 175 | -0.00975 |
| 176 | -0.00954545 |
| 177 | -0.00946154 |
| 178 | -0.0094 |
| 179 | -0.00934615 |
| 180 | -0.00933333 |
| 181 | -0.00928 |
| 182 | -0.00923077 |
| 183 | -0.009 |
| 184 | -0.00894118 |
| 185 | -0.00890909 |
| 186 | -0.00875 |
| 187 | -0.00866667 |
| 188 | -0.00861538 |
| 189 | -0.0085 |
| 190 | -0.00846154 |
| 191 | -0.00842857 |
| 192 | -0.00825 |
| 193 | -0.00819048 |
| 194 | -0.00818182 |
| 195 | -0.008125 |
| 196 | -0.00805882 |
| 197 | -0.00805 |
| 198 | -0.008 |
| 199 | -0.008 |
| 200 | -0.00785714 |
| 201 | -0.00776471 |
| 202 | -0.00771429 |
| 203 | -0.00764706 |
| 204 | -0.00761905 |
| 205 | -0.00758824 |
| 206 | -0.0075 |
| 207 | -0.0075 |
| 208 | -0.0075 |
| 209 | -0.00745161 |

| | |
|---|---|
| 210 | -0.0074375 |
| 211 | -0.00738889 |
| 212 | -0.00727273 |
| 213 | -0.00716667 |
| 214 | -0.00706897 |
| 215 | -0.00705882 |
| 216 | -0.00705882 |
| 217 | -0.007 |
| 218 | -0.007 |
| 219 | -0.00692857 |
| 220 | -0.00681818 |
| 221 | -0.00673333 |
| 222 | -0.00671429 |
| 223 | -0.00666667 |
| 224 | -0.00666667 |
| 225 | -0.0065 |
| 226 | -0.00647059 |
| 227 | -0.00632 |
| 228 | -0.00631579 |
| 229 | -0.00628571 |
| 230 | -0.00621053 |
| 231 | -0.00617647 |
| 232 | -0.00616667 |
| 233 | -0.00615385 |
| 234 | -0.00611111 |
| 235 | -0.0061 |
| 236 | -0.00608333 |
| 237 | -0.006 |
| 238 | -0.0059 |
| 239 | -0.00577778 |
| 240 | -0.00571429 |
| 241 | -0.00566667 |
| 242 | -0.00555556 |
| 243 | -0.00545455 |
| 244 | -0.00541667 |
| 245 | -0.00532 |
| 246 | -0.00521739 |
| 247 | -0.0052 |
| 248 | -0.005 |
| 249 | -0.005 |
| 250 | -0.005 |
| 251 | -0.00488889 |
| 252 | -0.00485714 |
| 253 | -0.00472727 |
| 254 | -0.00470588 |
| 255 | -0.00465 |
| 256 | -0.00448276 |
| 257 | -0.00444828 |
| 258 | -0.00442857 |
| 259 | -0.0044 |
| 260 | -0.00429412 |
| 261 | -0.00428571 |
| 262 | -0.00428571 |
| 263 | -0.00425 |
| 264 | -0.00423077 |
| 265 | -0.00422727 |
| 266 | -0.00421053 |

| | |
|---|---|
| 267 | -0.0042 |
| 268 | -0.00418182 |
| 269 | -0.00413793 |
| 270 | -0.00412903 |
| 271 | -0.00403333 |
| 272 | -0.004 |
| 273 | -0.004 |
| 274 | -0.004 |
| 275 | -0.00388889 |
| 276 | -0.00387097 |
| 277 | -0.0038125 |
| 278 | -0.0038 |
| 279 | -0.00367857 |
| 280 | -0.00366667 |
| 281 | -0.00365217 |
| 282 | -0.00352632 |
| 283 | -0.00351351 |
| 284 | -0.00338462 |
| 285 | -0.00333333 |
| 286 | -0.00325926 |
| 287 | -0.00324 |
| 288 | -0.00316667 |
| 289 | -0.00314286 |
| 290 | -0.00311538 |
| 291 | -0.0031 |
| 292 | -0.0030303 |
| 293 | -0.003 |
| 294 | -0.003 |
| 295 | -0.00292308 |
| 296 | -0.00289474 |
| 297 | -0.00288889 |
| 298 | -0.00288235 |
| 299 | -0.00286207 |
| 300 | -0.00283784 |
| 301 | -0.00275758 |
| 302 | -0.00272727 |
| 303 | -0.00269565 |
| 304 | -0.00268571 |
| 305 | -0.00266667 |
| 306 | -0.002625 |
| 307 | -0.00222857 |
| 308 | -0.00217857 |
| 309 | -0.00214286 |
| 310 | -0.00213333 |
| 311 | -0.00208824 |
| 312 | -0.00206897 |
| 313 | -0.002 |
| 314 | -0.002 |
| 315 | -0.002 |
| 316 | -0.00194444 |
| 317 | -0.00184211 |
| 318 | -0.0018 |
| 319 | -0.00174194 |
| 320 | -0.0016875 |
| 321 | -0.0016875 |
| 322 | -0.00168421 |
| 323 | -0.00166667 |

| | |
|---|---|
| 324 | -0.0016 |
| 325 | -0.00157895 |
| 326 | -0.00153846 |
| 327 | -0.00146667 |
| 328 | -0.00142857 |
| 329 | -0.00142857 |
| 330 | -0.0013913 |
| 331 | -0.001375 |
| 332 | -0.00135135 |
| 333 | -0.00133333 |
| 334 | -0.00129412 |
| 335 | -0.00125 |
| 336 | -0.00123077 |
| 337 | -0.00122222 |
| 338 | -0.00115789 |
| 339 | -0.00112821 |
| 340 | -0.00111111 |
| 341 | -0.0011 |
| 342 | -0.000888889 |
| 343 | -0.000833333 |
| 344 | -0.000769231 |
| 345 | -0.00075 |
| 346 | -0.0006875 |
| 347 | -0.000678571 |
| 348 | -0.000666667 |
| 349 | -0.0006 |
| 350 | -0.0005625 |
| 351 | -0.0005 |
| 352 | -0.000470588 |
| 353 | -0.000444444 |
| 354 | -0.000421053 |
| 355 | -0.0004 |
| 356 | -0.000380952 |
| 357 | -0.0003 |
| 358 | 0 |
| 359 | 0 |
| 360 | 0 |
| 361 | 0 |
| 362 | 0 |
| 363 | 0 |
| 364 | 0 |
| 365 | 0 |
| 366 | 0 |
| 367 | 0 |
| 368 | 0 |
| 369 | 0 |
| 370 | 0 |
| 371 | 0 |
| 372 | 0 |
| 373 | 0 |
| 374 | 0 |
| 375 | 0 |
| 376 | 0 |
| 377 | 0 |
| 378 | 0 |
| 379 | 0 |
| 380 | 0 |

| | |
|---|---|
| 381 | 0 |
| 382 | 0 |
| 383 | 0 |
| 384 | 0 |
| 385 | 0 |
| 386 | 0 |
| 387 | 0 |
| 388 | 0 |
| 389 | 0 |
| 390 | 0 |
| 391 | 0 |
| 392 | 0 |
| 393 | 0 |
| 394 | 0 |
| 395 | 0 |
| 396 | 0 |
| 397 | 0 |
| 398 | 0 |
| 399 | 0 |
| 400 | 0 |
| 401 | 0 |
| 402 | 0 |
| 403 | 0 |
| 404 | 0 |
| 405 | 0 |
| 406 | 0 |
| 407 | 0 |
| 408 | 0 |
| 409 | 0 |
| 410 | 0 |
| 411 | 0 |
| 412 | 0 |
| 413 | 0 |
| 414 | 0 |
| 415 | 0 |
| 416 | 0 |
| 417 | 0 |
| 418 | 0 |
| 419 | 0 |
| 420 | 0 |
| 421 | 0 |
| 422 | 0 |
| 423 | 0 |
| 424 | 0 |
| 425 | 0 |
| 426 | 0 |
| 427 | 0 |
| 428 | 0 |
| 429 | 7.14286e-05 |
| 430 | 0.000125 |
| 431 | 0.000138889 |
| 432 | 0.000157895 |
| 433 | 0.000228571 |
| 434 | 0.0003125 |
| 435 | 0.000354839 |
| 436 | 0.000411765 |
| 437 | 0.000421053 |

| | |
|---|---|
| 438 | 0.0005 |
| 439 | 0.000521739 |
| 440 | 0.000533333 |
| 441 | 0.0006 |
| 442 | 0.00062069 |
| 443 | 0.000625 |
| 444 | 0.000642857 |
| 445 | 0.000666667 |
| 446 | 0.000666667 |
| 447 | 0.000727273 |
| 448 | 0.000777778 |
| 449 | 0.000833333 |
| 450 | 0.00084 |
| 451 | 0.000863636 |
| 452 | 0.000875 |
| 453 | 0.000897436 |
| 454 | 0.000913043 |
| 455 | 0.00096875 |
| 456 | 0.000969697 |
| 457 | 0.001 |
| 458 | 0.001 |
| 459 | 0.001 |
| 460 | 0.00106667 |
| 461 | 0.00108333 |
| 462 | 0.00110345 |
| 463 | 0.00111111 |
| 464 | 0.001125 |
| 465 | 0.00114286 |
| 466 | 0.00115 |
| 467 | 0.00117391 |
| 468 | 0.00118182 |
| 469 | 0.00121875 |
| 470 | 0.00125 |
| 471 | 0.00128 |
| 472 | 0.00133333 |
| 473 | 0.00134483 |
| 474 | 0.00135 |
| 475 | 0.00136364 |
| 476 | 0.001375 |
| 477 | 0.00139286 |
| 478 | 0.00140625 |
| 479 | 0.00142105 |
| 480 | 0.00142857 |
| 481 | 0.00142857 |
| 482 | 0.00145161 |
| 483 | 0.00145455 |
| 484 | 0.00152381 |
| 485 | 0.0016 |
| 486 | 0.0016 |
| 487 | 0.001625 |
| 488 | 0.00166667 |
| 489 | 0.0016875 |
| 490 | 0.0017037 |
| 491 | 0.00171429 |
| 492 | 0.00171429 |
| 493 | 0.00176471 |
| 494 | 0.00177778 |

| | |
|---|---|
| 495 | 0.00178378 |
| 496 | 0.0018 |
| 497 | 0.0018 |
| 498 | 0.00181481 |
| 499 | 0.00185714 |
| 500 | 0.001875 |
| 501 | 0.00188235 |
| 502 | 0.00193548 |
| 503 | 0.00194118 |
| 504 | 0.00195 |
| 505 | 0.002 |
| 506 | 0.002 |
| 507 | 0.002 |
| 508 | 0.00214286 |
| 509 | 0.00222222 |
| 510 | 0.00225 |
| 511 | 0.00227586 |
| 512 | 0.00229412 |
| 513 | 0.00230769 |
| 514 | 0.002375 |
| 515 | 0.00238462 |
| 516 | 0.0024 |
| 517 | 0.0024375 |
| 518 | 0.00245455 |
| 519 | 0.0025 |
| 520 | 0.0025 |
| 521 | 0.00253846 |
| 522 | 0.0026087 |
| 523 | 0.00263333 |
| 524 | 0.00264 |
| 525 | 0.00266667 |
| 526 | 0.00285714 |
| 527 | 0.003 |
| 528 | 0.003 |
| 529 | 0.003 |
| 530 | 0.003 |
| 531 | 0.00314286 |
| 532 | 0.00315789 |
| 533 | 0.00319355 |
| 534 | 0.0032 |
| 535 | 0.00322222 |
| 536 | 0.00325 |
| 537 | 0.00325 |
| 538 | 0.00333333 |
| 539 | 0.00333333 |
| 540 | 0.00333333 |
| 541 | 0.00333333 |
| 542 | 0.003375 |
| 543 | 0.0035 |
| 544 | 0.00355556 |
| 545 | 0.00370833 |
| 546 | 0.00375 |
| 547 | 0.00386957 |
| 548 | 0.0039 |
| 549 | 0.00392 |
| 550 | 0.00393333 |
| 551 | 0.00404545 |

| | |
|---|---|
| 552 | 0.00405882 |
| 553 | 0.004125 |
| 554 | 0.00416667 |
| 555 | 0.0041875 |
| 556 | 0.00428571 |
| 557 | 0.00430769 |
| 558 | 0.00433333 |
| 559 | 0.00434211 |
| 560 | 0.00441667 |
| 561 | 0.00444444 |
| 562 | 0.00445161 |
| 563 | 0.00445455 |
| 564 | 0.00445455 |
| 565 | 0.0046 |
| 566 | 0.00466667 |
| 567 | 0.0047 |
| 568 | 0.00471429 |
| 569 | 0.00471429 |
| 570 | 0.00485294 |
| 571 | 0.00486957 |
| 572 | 0.004875 |
| 573 | 0.00491667 |
| 574 | 0.005 |
| 575 | 0.005 |
| 576 | 0.005 |
| 577 | 0.00507692 |
| 578 | 0.00509091 |
| 579 | 0.00515385 |
| 580 | 0.00515789 |
| 581 | 0.00517857 |
| 582 | 0.0052 |
| 583 | 0.00522222 |
| 584 | 0.00530769 |
| 585 | 0.005375 |
| 586 | 0.0054 |
| 587 | 0.00542308 |
| 588 | 0.00544444 |
| 589 | 0.00545455 |
| 590 | 0.0055 |
| 591 | 0.00568182 |
| 592 | 0.00575 |
| 593 | 0.00576471 |
| 594 | 0.006 |
| 595 | 0.006 |
| 596 | 0.00605 |
| 597 | 0.00611111 |
| 598 | 0.00622222 |
| 599 | 0.00627273 |
| 600 | 0.00634615 |
| 601 | 0.00635294 |
| 602 | 0.0064 |
| 603 | 0.00640909 |
| 604 | 0.00642857 |
| 605 | 0.0065 |
| 606 | 0.00675 |
| 607 | 0.00675 |
| 608 | 0.00690909 |

| | |
|---|---|
| 609 | 0.007 |
| 610 | 0.007 |
| 611 | 0.007 |
| 612 | 0.00717391 |
| 613 | 0.0072069 |
| 614 | 0.00721053 |
| 615 | 0.00725 |
| 616 | 0.00726316 |
| 617 | 0.00733333 |
| 618 | 0.00738889 |
| 619 | 0.00742105 |
| 620 | 0.00746667 |
| 621 | 0.0075 |
| 622 | 0.00753846 |
| 623 | 0.00759091 |
| 624 | 0.00766667 |
| 625 | 0.00766667 |
| 626 | 0.00783333 |
| 627 | 0.008 |
| 628 | 0.00803846 |
| 629 | 0.00813043 |
| 630 | 0.00821429 |
| 631 | 0.00826316 |
| 632 | 0.00836 |
| 633 | 0.0085 |
| 634 | 0.0085 |
| 635 | 0.00853846 |
| 636 | 0.00857143 |
| 637 | 0.0086 |
| 638 | 0.00866667 |
| 639 | 0.00884615 |
| 640 | 0.00886667 |
| 641 | 0.00890909 |
| 642 | 0.009 |
| 643 | 0.00911111 |
| 644 | 0.0094 |
| 645 | 0.0095 |
| 646 | 0.00975 |
| 647 | 0.0098 |
| 648 | 0.0098 |
| 649 | 0.00994737 |
| 650 | 0.00995238 |
| 651 | 0.01 |
| 652 | 0.01 |
| 653 | 0.01 |
| 654 | 0.01 |
| 655 | 0.0100714 |
| 656 | 0.0101818 |
| 657 | 0.0106667 |
| 658 | 0.0107143 |
| 659 | 0.0108889 |
| 660 | 0.011 |
| 661 | 0.0110625 |
| 662 | 0.0112 |
| 663 | 0.0116111 |
| 664 | 0.01175 |
| 665 | 0.0117857 |

| | |
|---|---|
| 666 | 0.0118 |
| 667 | 0.0120909 |
| 668 | 0.0122941 |
| 669 | 0.0125 |
| 670 | 0.0125 |
| 671 | 0.0125455 |
| 672 | 0.0125455 |
| 673 | 0.0126429 |
| 674 | 0.0133 |
| 675 | 0.0136 |
| 676 | 0.0136364 |
| 677 | 0.0138 |
| 678 | 0.0138235 |
| 679 | 0.014 |
| 680 | 0.014 |
| 681 | 0.014 |
| 682 | 0.014125 |
| 683 | 0.0141429 |
| 684 | 0.0141667 |
| 685 | 0.0146875 |
| 686 | 0.0148571 |
| 687 | 0.0149167 |
| 688 | 0.0149286 |
| 689 | 0.015 |
| 690 | 0.015 |
| 691 | 0.015 |
| 692 | 0.0158571 |
| 693 | 0.0158571 |
| 694 | 0.0160769 |
| 695 | 0.0163333 |
| 696 | 0.0165 |
| 697 | 0.0165 |
| 698 | 0.0171429 |
| 699 | 0.0174706 |
| 700 | 0.01875 |
| 701 | 0.019 |
| 702 | 0.0195833 |
| 703 | 0.02 |
| 704 | 0.02 |
| 705 | 0.0201 |
| 706 | 0.0201429 |
| 707 | 0.0207692 |
| 708 | 0.021 |
| 709 | 0.021 |
| 710 | 0.0214286 |
| 711 | 0.0215 |
| 712 | 0.0221667 |
| 713 | 0.0228462 |
| 714 | 0.023 |
| 715 | 0.0235 |
| 716 | 0.0236364 |
| 717 | 0.024 |
| 718 | 0.024 |
| 719 | 0.025 |
| 720 | 0.025 |
| 721 | 0.0251818 |
| 722 | 0.0261111 |

| | |
|---|---|
| 723 | 0.0266 |
| 724 | 0.027 |
| 725 | 0.02775 |
| 726 | 0.029375 |
| 727 | 0.0297 |
| 728 | 0.03 |
| 729 | 0.03 |
| 730 | 0.03 |
| 731 | 0.03 |
| 732 | 0.03 |
| 733 | 0.0323333 |
| 734 | 0.0325 |
| 735 | 0.033 |
| 736 | 0.0348333 |
| 737 | 0.035 |
| 738 | 0.0373333 |
| 739 | 0.038 |
| 740 | 0.04 |
| 741 | 0.04 |
| 742 | 0.0411111 |
| 743 | 0.0418 |
| 744 | 0.0443333 |
| 745 | 0.047 |
| 746 | 0.049 |
| 747 | 0.0495 |
| 748 | 0.0495 |
| 749 | 0.05 |
| 750 | 0.051 |
| 751 | 0.0533333 |
| 752 | 0.054 |
| 753 | 0.0546667 |
| 754 | 0.056 |
| 755 | 0.05875 |
| 756 | 0.0594 |
| 757 | 0.06 |
| 758 | 0.06 |
| 759 | 0.0616667 |
| 760 | 0.062 |
| 761 | 0.0625 |
| 762 | 0.066 |
| 763 | 0.0665 |
| 764 | 0.06675 |
| 765 | 0.0683333 |
| 766 | 0.07 |
| 767 | 0.0705 |
| 768 | 0.074 |
| 769 | 0.075 |
| 770 | 0.08 |
| 771 | 0.0825 |
| 772 | 0.0833333 |
| 773 | 0.0833333 |
| 774 | 0.091 |
| 775 | 0.098 |
| 776 | 0.099 |
| 777 | 0.103 |
| 778 | 0.106 |
| 779 | 0.12 |

| | |
|---|---|
| 780 | 0.125 |
| 781 | 0.135 |
| 782 | 0.1445 |
| 783 | 0.209 |
| 784 | 0.227 |
| 785 | 0.234545 |
| 786 | 0.24125 |
| 787 | 0.252667 |
| 788 | 0.253226 |
| 789 | 0.265172 |
| 790 | 0.27 |
| 791 | 0.27 |
| 792 | 0.280357 |
| 793 | 0.290741 |
| 794 | 0.297308 |
| 795 | 0.3092 |
| 796 | 0.322083 |
| 797 | 0.34 |
| 798 | 0.341304 |
| 799 | 0.37 |
| 800 | 0.372857 |
| 801 | 0.3925 |
| 802 | 0.413158 |
| 803 | 0.421111 |
| 804 | 0.452941 |
| 805 | 0.490625 |
| 806 | 0.523333 |
| 807 | 0.558571 |
| 808 | 0.593615 |
| 809 | 0.6535 |
| 810 | 0.692273 |
| 811 | 0.7553 |
| 812 | 0.861333 |
| 813 | 0.98125 |
| 814 | 1.12143 |
| 815 | 1.292 |
| 816 | 1.5476 |
| 817 | 1.95575 |
| 818 | 2.61667 |
| 819 | 3.8205 |
| 820 | 7.709 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 12 |
| 2 | 0.37 | 2 |
| 3 | 0.22 | 3 |
| 4 | 0.198 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |

| | |
|---|---|
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |

There are 0 time periods with multiple data

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A = 3930
B = 0
C = 1326
D = 0
E = 142
F = 0
a = 142680
b = 575640
c = 3280
Group Variance = 7708.33
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 144.413
M1 = (820 - 144.413)/2.0 = 337.793
M2 = (820 + 144.413)/2.0 + 1 = 483.207
Lower limit is -0.00115789 = Q(338)
Upper limit is 0.00145455 = Q(483)
-0.00115789 < 0 < 0.00145455 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: HB 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.17 (5/20/2013) | 0.19 (3/12/2013) | (0.17 - 0.19)/(2 - 1) | -0.02 |
| ND<0.1 U (9/23/2013) | 0.19 (3/12/2013) | (0.1 - 0.19)/(3 - 1) | -0.045 |
| ND<0.1 U (12/10/2013) | 0.19 (3/12/2013) | (0.1 - 0.19)/(4 - 1) | -0.03 |
| 0.48 (2/6/2014) | 0.19 (3/12/2013) | (0.48 - 0.19)/(5 - 1) | 0.0725 |
| ND<0.1 U (6/26/2014) | 0.19 (3/12/2013) | (0.1 - 0.19)/(6 - 1) | -0.018 |
| ND<0.1 U (9/30/2014) | 0.19 (3/12/2013) | (0.1 - 0.19)/(7 - 1) | -0.015 |
| 0.11 (11/19/2014) | 0.19 (3/12/2013) | (0.11 - 0.19)/(8 - 1) | -0.0114286 |
| 0.26 (3/23/2015) | 0.19 (3/12/2013) | (0.26 - 0.19)/(9 - 1) | 0.00875 |
| 0.2 (4/22/2015) | 0.19 (3/12/2013) | (0.2 - 0.19)/(10 - 1) | 0.00111111 |
| ND<0.1 U (9/30/2015) | 0.19 (3/12/2013) | (0.1 - 0.19)/(11 - 1) | -0.009 |
| 0.38 (11/19/2015) | 0.19 (3/12/2013) | (0.38 - 0.19)/(12 - 1) | 0.0172727 |
| 0.3 (3/15/2016) | 0.19 (3/12/2013) | (0.3 - 0.19)/(13 - 1) | 0.00916667 |
| ND<0.1 U (6/29/2016) | 0.19 (3/12/2013) | (0.1 - 0.19)/(14 - 1) | -0.00692308 |
| ND<0.1 U (8/9/2016) | 0.19 (3/12/2013) | (0.1 - 0.19)/(15 - 1) | -0.00642857 |
| 0.11 (12/7/2016) | 0.19 (3/12/2013) | (0.11 - 0.19)/(16 - 1) | -0.00533333 |
| 0.33 (3/2/2017) | 0.19 (3/12/2013) | (0.33 - 0.19)/(17 - 1) | 0.00875 |
| ND<0.1 U (7/5/2017) | 0.19 (3/12/2013) | (0.1 - 0.19)/(18 - 1) | -0.00529412 |
| ND<0.1 U (8/16/2017) | 0.19 (3/12/2013) | (0.1 - 0.19)/(19 - 1) | -0.005 |
| ND<0.1 U (10/25/2017) | 0.19 (3/12/2013) | (0.1 - 0.19)/(20 - 1) | -0.00473684 |
| 0.359 (3/28/2018) | 0.19 (3/12/2013) | (0.359 - 0.19)/(21 - 1) | 0.00845 |
| ND<0.1 U (6/29/2018) | 0.19 (3/12/2013) | (0.1 - 0.19)/(22 - 1) | -0.00428571 |
| ND<0.1 U (8/2/2018) | 0.19 (3/12/2013) | (0.1 - 0.19)/(23 - 1) | -0.00409091 |
| 0.363 (12/10/2018) | 0.19 (3/12/2013) | (0.363 - 0.19)/(24 - 1) | 0.00752174 |
| 0.233 (4/15/2019) | 0.19 (3/12/2013) | (0.233 - 0.19)/(25 - 1) | 0.00179167 |
| 0.129 (6/12/2019) | 0.19 (3/12/2013) | (0.129 - 0.19)/(26 - 1) | -0.00244 |
| ND<0.1 U (8/27/2019) | 0.19 (3/12/2013) | (0.1 - 0.19)/(27 - 1) | -0.00346154 |
| ND<0.1 U (10/29/2019) | 0.19 (3/12/2013) | (0.1 - 0.19)/(28 - 1) | -0.00333333 |
| 0.23 (3/30/2020) | 0.19 (3/12/2013) | (0.23 - 0.19)/(29 - 1) | 0.00142857 |
| ND<0.1 U (6/16/2020) | 0.19 (3/12/2013) | (0.1 - 0.19)/(30 - 1) | -0.00310345 |
| ND<0.1 U (9/21/2020) | 0.19 (3/12/2013) | (0.1 - 0.19)/(31 - 1) | -0.003 |
| 0.195 (12/17/2020) | 0.19 (3/12/2013) | (0.195 - 0.19)/(32 - 1) | 0.00016129 |
| 0.369 (3/18/2021) | 0.19 (3/12/2013) | (0.369 - 0.19)/(33 - 1) | 0.00559375 |
| 0.207 (5/5/2021) | 0.19 (3/12/2013) | (0.207 - 0.19)/(34 - 1) | 0.000515152 |
| ND<0.1 U (9/2/2021) | 0.19 (3/12/2013) | (0.1 - 0.19)/(35 - 1) | -0.00264706 |
| 0.137 (11/23/2021) | 0.19 (3/12/2013) | (0.137 - 0.19)/(36 - 1) | -0.00151429 |
| 0.2 (1/11/2022) | 0.19 (3/12/2013) | (0.2 - 0.19)/(37 - 1) | 0.000277778 |
| 0.268 (4/7/2022) | 0.19 (3/12/2013) | (0.268 - 0.19)/(38 - 1) | 0.00210811 |
| ND<0.1 U (8/2/2022) | 0.19 (3/12/2013) | (0.1 - 0.19)/(39 - 1) | -0.00236842 |
| ND<0.1 U (11/16/2022) | 0.19 (3/12/2013) | (0.1 - 0.19)/(40 - 1) | -0.00230769 |
| 0.414 (2/14/2023) | 0.19 (3/12/2013) | (0.414 - 0.19)/(41 - 1) | 0.0056 |
| 0.0574 (5/25/2023) | 0.19 (3/12/2013) | (0.0574 - 0.19)/(42 - 1) | -0.00323415 |
| ND<0.1 U (8/7/2023) | 0.19 (3/12/2013) | (0.1 - 0.19)/(43 - 1) | -0.00214286 |
| 0.126 (12/12/2023) | 0.19 (3/12/2013) | (0.126 - 0.19)/(44 - 1) | -0.00148837 |
| 0.354 (1/10/2024) | 0.19 (3/12/2013) | (0.354 - 0.19)/(45 - 1) | 0.00372727 |
| 0.08 (5/21/2024) | 0.19 (3/12/2013) | (0.08 - 0.19)/(46 - 1) | -0.00244444 |
| ND<0.05 U (9/16/2024) | 0.19 (3/12/2013) | (0.05 - 0.19)/(47 - 1) | -0.00304348 |
| 0.202 (12/11/2024) | 0.19 (3/12/2013) | (0.202 - 0.19)/(48 - 1) | 0.000255319 |
| 0.349 (2/18/2025) | 0.19 (3/12/2013) | (0.349 - 0.19)/(49 - 1) | 0.0033125 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | 0.17 (5/20/2013) | (0.1 - 0.17)/(3 - 2) | -0.07 |
| ND<0.1 U (12/10/2013) | 0.17 (5/20/2013) | (0.1 - 0.17)/(4 - 2) | -0.035 |
| 0.48 (2/6/2014) | 0.17 (5/20/2013) | (0.48 - 0.17)/(5 - 2) | 0.103333 |
| ND<0.1 U (6/26/2014) | 0.17 (5/20/2013) | (0.1 - 0.17)/(6 - 2) | -0.0175 |
| ND<0.1 U (9/30/2014) | 0.17 (5/20/2013) | (0.1 - 0.17)/(7 - 2) | -0.014 |
| 0.11 (11/19/2014) | 0.17 (5/20/2013) | (0.11 - 0.17)/(8 - 2) | -0.01 |
| 0.26 (3/23/2015) | 0.17 (5/20/2013) | (0.26 - 0.17)/(9 - 2) | 0.0128571 |
| 0.2 (4/22/2015) | 0.17 (5/20/2013) | (0.2 - 0.17)/(10 - 2) | 0.00375 |
| ND<0.1 U (9/30/2015) | 0.17 (5/20/2013) | (0.1 - 0.17)/(11 - 2) | -0.00777778 |
| 0.38 (11/19/2015) | 0.17 (5/20/2013) | (0.38 - 0.17)/(12 - 2) | 0.021 |
| 0.3 (3/15/2016) | 0.17 (5/20/2013) | (0.3 - 0.17)/(13 - 2) | 0.0118182 |
| ND<0.1 U (6/29/2016) | 0.17 (5/20/2013) | (0.1 - 0.17)/(14 - 2) | -0.00583333 |
| ND<0.1 U (8/9/2016) | 0.17 (5/20/2013) | (0.1 - 0.17)/(15 - 2) | -0.00538462 |
| 0.11 (12/7/2016) | 0.17 (5/20/2013) | (0.11 - 0.17)/(16 - 2) | -0.00428571 |
| 0.33 (3/2/2017) | 0.17 (5/20/2013) | (0.33 - 0.17)/(17 - 2) | 0.0106667 |
| ND<0.1 U (7/5/2017) | 0.17 (5/20/2013) | (0.1 - 0.17)/(18 - 2) | -0.004375 |
| ND<0.1 U (8/16/2017) | 0.17 (5/20/2013) | (0.1 - 0.17)/(19 - 2) | -0.00411765 |
| ND<0.1 U (10/25/2017) | 0.17 (5/20/2013) | (0.1 - 0.17)/(20 - 2) | -0.00388889 |
| 0.359 (3/28/2018) | 0.17 (5/20/2013) | (0.359 - 0.17)/(21 - 2) | 0.00994737 |
| ND<0.1 U (6/29/2018) | 0.17 (5/20/2013) | (0.1 - 0.17)/(22 - 2) | -0.0035 |
| ND<0.1 U (8/2/2018) | 0.17 (5/20/2013) | (0.1 - 0.17)/(23 - 2) | -0.00333333 |
| 0.363 (12/10/2018) | 0.17 (5/20/2013) | (0.363 - 0.17)/(24 - 2) | 0.00877273 |
| 0.233 (4/15/2019) | 0.17 (5/20/2013) | (0.233 - 0.17)/(25 - 2) | 0.00273913 |
| 0.129 (6/12/2019) | 0.17 (5/20/2013) | (0.129 - 0.17)/(26 - 2) | -0.00170833 |
| ND<0.1 U (8/27/2019) | 0.17 (5/20/2013) | (0.1 - 0.17)/(27 - 2) | -0.0028 |
| ND<0.1 U (10/29/2019) | 0.17 (5/20/2013) | (0.1 - 0.17)/(28 - 2) | -0.00269231 |
| 0.23 (3/30/2020) | 0.17 (5/20/2013) | (0.23 - 0.17)/(29 - 2) | 0.00222222 |
| ND<0.1 U (6/16/2020) | 0.17 (5/20/2013) | (0.1 - 0.17)/(30 - 2) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.17 (5/20/2013) | (0.1 - 0.17)/(31 - 2) | -0.00241379 |
| 0.195 (12/17/2020) | 0.17 (5/20/2013) | (0.195 - 0.17)/(32 - 2) | 0.000833333 |
| 0.369 (3/18/2021) | 0.17 (5/20/2013) | (0.369 - 0.17)/(33 - 2) | 0.00641935 |
| 0.207 (5/5/2021) | 0.17 (5/20/2013) | (0.207 - 0.17)/(34 - 2) | 0.00115625 |
| ND<0.1 U (9/2/2021) | 0.17 (5/20/2013) | (0.1 - 0.17)/(35 - 2) | -0.00212121 |
| 0.137 (11/23/2021) | 0.17 (5/20/2013) | (0.137 - 0.17)/(36 - 2) | -0.000970588 |
| 0.2 (1/11/2022) | 0.17 (5/20/2013) | (0.2 - 0.17)/(37 - 2) | 0.000857143 |
| 0.268 (4/7/2022) | 0.17 (5/20/2013) | (0.268 - 0.17)/(38 - 2) | 0.00272222 |
| ND<0.1 U (8/2/2022) | 0.17 (5/20/2013) | (0.1 - 0.17)/(39 - 2) | -0.00189189 |
| ND<0.1 U (11/16/2022) | 0.17 (5/20/2013) | (0.1 - 0.17)/(40 - 2) | -0.00184211 |
| 0.414 (2/14/2023) | 0.17 (5/20/2013) | (0.414 - 0.17)/(41 - 2) | 0.00625641 |
| 0.0574 (5/25/2023) | 0.17 (5/20/2013) | (0.0574 - 0.17)/(42 - 2) | -0.002815 |
| ND<0.1 U (8/7/2023) | 0.17 (5/20/2013) | (0.1 - 0.17)/(43 - 2) | -0.00170732 |
| 0.126 (12/12/2023) | 0.17 (5/20/2013) | (0.126 - 0.17)/(44 - 2) | -0.00104762 |
| 0.354 (1/10/2024) | 0.17 (5/20/2013) | (0.354 - 0.17)/(45 - 2) | 0.00427907 |
| 0.08 (5/21/2024) | 0.17 (5/20/2013) | (0.08 - 0.17)/(46 - 2) | -0.00204545 |
| ND<0.05 U (9/16/2024) | 0.17 (5/20/2013) | (0.05 - 0.17)/(47 - 2) | -0.00266667 |
| 0.202 (12/11/2024) | 0.17 (5/20/2013) | (0.202 - 0.17)/(48 - 2) | 0.000695652 |
| 0.349 (2/18/2025) | 0.17 (5/20/2013) | (0.349 - 0.17)/(49 - 2) | 0.00380851 |

| | | | |
|---|---|---|---|
| ND<0.1 U (12/10/2013) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(4 - 3) | 0 |
| 0.48 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.48 - 0.1)/(5 - 3) | 0.19 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.11 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(8 - 3) | 0.002 |
| 0.26 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(9 - 3) | 0.0266667 |
| 0.2 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(10 - 3) | 0.0142857 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

| | | | |
|---|---|---|---|
| 0.38 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.38 - 0.1)/(12 - 3) | 0.0311111 |
| 0.3 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.3 - 0.1)/(13 - 3) | 0.02 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(16 - 3) | 0.000769231 |
| 0.33 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.33 - 0.1)/(17 - 3) | 0.0164286 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (9/23/2013) | (0.359 - 0.1)/(21 - 3) | 0.0143889 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (9/23/2013) | (0.363 - 0.1)/(24 - 3) | 0.0125238 |
| 0.233 (4/15/2019) | ND<0.1 U (9/23/2013) | (0.233 - 0.1)/(25 - 3) | 0.00604545 |
| 0.129 (6/12/2019) | ND<0.1 U (9/23/2013) | (0.129 - 0.1)/(26 - 3) | 0.00126087 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (9/23/2013) | (0.23 - 0.1)/(29 - 3) | 0.005 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.195 - 0.1)/(32 - 3) | 0.00327586 |
| 0.369 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.369 - 0.1)/(33 - 3) | 0.00896667 |
| 0.207 (5/5/2021) | ND<0.1 U (9/23/2013) | (0.207 - 0.1)/(34 - 3) | 0.00345161 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.137 - 0.1)/(36 - 3) | 0.00112121 |
| 0.2 (1/11/2022) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(37 - 3) | 0.00294118 |
| 0.268 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.268 - 0.1)/(38 - 3) | 0.0048 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (9/23/2013) | (0.414 - 0.1)/(41 - 3) | 0.00826316 |
| 0.0574 (5/25/2023) | ND<0.1 U (9/23/2013) | (0.0574 - 0.1)/(42 - 3) | -0.00109231 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.126 - 0.1)/(44 - 3) | 0.000634146 |
| 0.354 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.354 - 0.1)/(45 - 3) | 0.00604762 |
| 0.08 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.08 - 0.1)/(46 - 3) | -0.000465116 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.202 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.202 - 0.1)/(48 - 3) | 0.00226667 |
| 0.349 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.349 - 0.1)/(49 - 3) | 0.00541304 |
| | | | |
| 0.48 (2/6/2014) | ND<0.1 U (12/10/2013) | (0.48 - 0.1)/(5 - 4) | 0.38 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(7 - 4) | 0 |
| 0.11 (11/19/2014) | ND<0.1 U (12/10/2013) | (0.11 - 0.1)/(8 - 4) | 0.0025 |
| 0.26 (3/23/2015) | ND<0.1 U (12/10/2013) | (0.26 - 0.1)/(9 - 4) | 0.032 |
| 0.2 (4/22/2015) | ND<0.1 U (12/10/2013) | (0.2 - 0.1)/(10 - 4) | 0.0166667 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(11 - 4) | 0 |
| 0.38 (11/19/2015) | ND<0.1 U (12/10/2013) | (0.38 - 0.1)/(12 - 4) | 0.035 |
| 0.3 (3/15/2016) | ND<0.1 U (12/10/2013) | (0.3 - 0.1)/(13 - 4) | 0.0222222 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(14 - 4) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(15 - 4) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (12/10/2013) | (0.11 - 0.1)/(16 - 4) | 0.000833333 |
| 0.33 (3/2/2017) | ND<0.1 U (12/10/2013) | (0.33 - 0.1)/(17 - 4) | 0.0176923 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(18 - 4) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(19 - 4) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(20 - 4) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (12/10/2013) | (0.359 - 0.1)/(21 - 4) | 0.0152353 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(22 - 4) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(23 - 4) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (12/10/2013) | (0.363 - 0.1)/(24 - 4) | 0.01315 |
| 0.233 (4/15/2019) | ND<0.1 U (12/10/2013) | (0.233 - 0.1)/(25 - 4) | 0.00633333 |
| 0.129 (6/12/2019) | ND<0.1 U (12/10/2013) | (0.129 - 0.1)/(26 - 4) | 0.00131818 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(27 - 4) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(28 - 4) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (12/10/2013) | (0.23 - 0.1)/(29 - 4) | 0.0052 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(30 - 4) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(31 - 4) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (12/10/2013) | (0.195 - 0.1)/(32 - 4) | 0.00339286 |
| 0.369 (3/18/2021) | ND<0.1 U (12/10/2013) | (0.369 - 0.1)/(33 - 4) | 0.00927586 |
| 0.207 (5/5/2021) | ND<0.1 U (12/10/2013) | (0.207 - 0.1)/(34 - 4) | 0.00356667 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(35 - 4) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (12/10/2013) | (0.137 - 0.1)/(36 - 4) | 0.00115625 |
| 0.2 (1/11/2022) | ND<0.1 U (12/10/2013) | (0.2 - 0.1)/(37 - 4) | 0.0030303 |
| 0.268 (4/7/2022) | ND<0.1 U (12/10/2013) | (0.268 - 0.1)/(38 - 4) | 0.00494118 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(39 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(40 - 4) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (12/10/2013) | (0.414 - 0.1)/(41 - 4) | 0.00848649 |
| 0.0574 (5/25/2023) | ND<0.1 U (12/10/2013) | (0.0574 - 0.1)/(42 - 4) | -0.00112105 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(43 - 4) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (12/10/2013) | (0.126 - 0.1)/(44 - 4) | 0.00065 |
| 0.354 (1/10/2024) | ND<0.1 U (12/10/2013) | (0.354 - 0.1)/(45 - 4) | 0.00619512 |
| 0.08 (5/21/2024) | ND<0.1 U (12/10/2013) | (0.08 - 0.1)/(46 - 4) | -0.00047619 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/10/2013) | (0.05 - 0.1)/(47 - 4) | -0.00116279 |
| 0.202 (12/11/2024) | ND<0.1 U (12/10/2013) | (0.202 - 0.1)/(48 - 4) | 0.00231818 |
| 0.349 (2/18/2025) | ND<0.1 U (12/10/2013) | (0.349 - 0.1)/(49 - 4) | 0.00553333 |

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|---|---|---|---|
| ND<0.1 U (6/26/2014) | 0.48 (2/6/2014) | (0.1 - 0.48)/(6 - 5) | -0.38 |
| ND<0.1 U (9/30/2014) | 0.48 (2/6/2014) | (0.1 - 0.48)/(7 - 5) | -0.19 |
| 0.11 (11/19/2014) | 0.48 (2/6/2014) | (0.11 - 0.48)/(8 - 5) | -0.123333 |
| 0.26 (3/23/2015) | 0.48 (2/6/2014) | (0.26 - 0.48)/(9 - 5) | -0.055 |
| 0.2 (4/22/2015) | 0.48 (2/6/2014) | (0.2 - 0.48)/(10 - 5) | -0.056 |
| ND<0.1 U (9/30/2015) | 0.48 (2/6/2014) | (0.1 - 0.48)/(11 - 5) | -0.0633333 |
| 0.38 (11/19/2015) | 0.48 (2/6/2014) | (0.38 - 0.48)/(12 - 5) | -0.0142857 |
| 0.3 (3/15/2016) | 0.48 (2/6/2014) | (0.3 - 0.48)/(13 - 5) | -0.0225 |
| ND<0.1 U (6/29/2016) | 0.48 (2/6/2014) | (0.1 - 0.48)/(14 - 5) | -0.0422222 |
| ND<0.1 U (8/9/2016) | 0.48 (2/6/2014) | (0.1 - 0.48)/(15 - 5) | -0.038 |
| 0.11 (12/7/2016) | 0.48 (2/6/2014) | (0.11 - 0.48)/(16 - 5) | -0.0336364 |
| 0.33 (3/2/2017) | 0.48 (2/6/2014) | (0.33 - 0.48)/(17 - 5) | -0.0125 |
| ND<0.1 U (7/5/2017) | 0.48 (2/6/2014) | (0.1 - 0.48)/(18 - 5) | -0.0292308 |
| ND<0.1 U (8/16/2017) | 0.48 (2/6/2014) | (0.1 - 0.48)/(19 - 5) | -0.0271429 |
| ND<0.1 U (10/25/2017) | 0.48 (2/6/2014) | (0.1 - 0.48)/(20 - 5) | -0.0253333 |
| 0.359 (3/28/2018) | 0.48 (2/6/2014) | (0.359 - 0.48)/(21 - 5) | -0.0075625 |
| ND<0.1 U (6/29/2018) | 0.48 (2/6/2014) | (0.1 - 0.48)/(22 - 5) | -0.0223529 |
| ND<0.1 U (8/2/2018) | 0.48 (2/6/2014) | (0.1 - 0.48)/(23 - 5) | -0.0211111 |
| 0.363 (12/10/2018) | 0.48 (2/6/2014) | (0.363 - 0.48)/(24 - 5) | -0.00615789 |
| 0.233 (4/15/2019) | 0.48 (2/6/2014) | (0.233 - 0.48)/(25 - 5) | -0.01235 |
| 0.129 (6/12/2019) | 0.48 (2/6/2014) | (0.129 - 0.48)/(26 - 5) | -0.0167143 |
| ND<0.1 U (8/27/2019) | 0.48 (2/6/2014) | (0.1 - 0.48)/(27 - 5) | -0.0172727 |
| ND<0.1 U (10/29/2019) | 0.48 (2/6/2014) | (0.1 - 0.48)/(28 - 5) | -0.0165217 |
| 0.23 (3/30/2020) | 0.48 (2/6/2014) | (0.23 - 0.48)/(29 - 5) | -0.0104167 |
| ND<0.1 U (6/16/2020) | 0.48 (2/6/2014) | (0.1 - 0.48)/(30 - 5) | -0.0152 |
| ND<0.1 U (9/21/2020) | 0.48 (2/6/2014) | (0.1 - 0.48)/(31 - 5) | -0.0146154 |
| 0.195 (12/17/2020) | 0.48 (2/6/2014) | (0.195 - 0.48)/(32 - 5) | -0.0105556 |
| 0.369 (3/18/2021) | 0.48 (2/6/2014) | (0.369 - 0.48)/(33 - 5) | -0.00396429 |
| 0.207 (5/5/2021) | 0.48 (2/6/2014) | (0.207 - 0.48)/(34 - 5) | -0.00941379 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | 0.48 (2/6/2014) | (0.1 - 0.48)/(35 - 5) | -0.0126667 |
| 0.137 (11/23/2021) | 0.48 (2/6/2014) | (0.137 - 0.48)/(36 - 5) | -0.0110645 |
| 0.2 (1/11/2022) | 0.48 (2/6/2014) | (0.2 - 0.48)/(37 - 5) | -0.00875 |
| 0.268 (4/7/2022) | 0.48 (2/6/2014) | (0.268 - 0.48)/(38 - 5) | -0.00642424 |
| ND<0.1 U (8/2/2022) | 0.48 (2/6/2014) | (0.1 - 0.48)/(39 - 5) | -0.0111765 |
| ND<0.1 U (11/16/2022) | 0.48 (2/6/2014) | (0.1 - 0.48)/(40 - 5) | -0.0108571 |
| 0.414 (2/14/2023) | 0.48 (2/6/2014) | (0.414 - 0.48)/(41 - 5) | -0.00183333 |
| 0.0574 (5/25/2023) | 0.48 (2/6/2014) | (0.0574 - 0.48)/(42 - 5) | -0.0114216 |
| ND<0.1 U (8/7/2023) | 0.48 (2/6/2014) | (0.1 - 0.48)/(43 - 5) | -0.01 |
| 0.126 (12/12/2023) | 0.48 (2/6/2014) | (0.126 - 0.48)/(44 - 5) | -0.00907692 |
| 0.354 (1/10/2024) | 0.48 (2/6/2014) | (0.354 - 0.48)/(45 - 5) | -0.00315 |
| 0.08 (5/21/2024) | 0.48 (2/6/2014) | (0.08 - 0.48)/(46 - 5) | -0.0097561 |
| ND<0.05 U (9/16/2024) | 0.48 (2/6/2014) | (0.05 - 0.48)/(47 - 5) | -0.0102381 |
| 0.202 (12/11/2024) | 0.48 (2/6/2014) | (0.202 - 0.48)/(48 - 5) | -0.00646512 |
| 0.349 (2/18/2025) | 0.48 (2/6/2014) | (0.349 - 0.48)/(49 - 5) | -0.00297727 |

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|---|---|---|---|
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.11 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(8 - 6) | 0.005 |
| 0.26 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.26 - 0.1)/(9 - 6) | 0.0533333 |
| 0.2 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.2 - 0.1)/(10 - 6) | 0.025 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.38 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.38 - 0.1)/(12 - 6) | 0.0466667 |
| 0.3 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.3 - 0.1)/(13 - 6) | 0.0285714 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(16 - 6) | 0.001 |
| 0.33 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.33 - 0.1)/(17 - 6) | 0.0209091 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (6/26/2014) | (0.359 - 0.1)/(21 - 6) | 0.0172667 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (6/26/2014) | (0.363 - 0.1)/(24 - 6) | 0.0146111 |
| 0.233 (4/15/2019) | ND<0.1 U (6/26/2014) | (0.233 - 0.1)/(25 - 6) | 0.007 |
| 0.129 (6/12/2019) | ND<0.1 U (6/26/2014) | (0.129 - 0.1)/(26 - 6) | 0.00145 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(28 - 6) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (6/26/2014) | (0.23 - 0.1)/(29 - 6) | 0.00565217 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (6/26/2014) | (0.195 - 0.1)/(32 - 6) | 0.00365385 |
| 0.369 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.369 - 0.1)/(33 - 6) | 0.00996296 |
| 0.207 (5/5/2021) | ND<0.1 U (6/26/2014) | (0.207 - 0.1)/(34 - 6) | 0.00382143 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.137 - 0.1)/(36 - 6) | 0.00123333 |
| 0.2 (1/11/2022) | ND<0.1 U (6/26/2014) | (0.2 - 0.1)/(37 - 6) | 0.00322581 |
| 0.268 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.268 - 0.1)/(38 - 6) | 0.00525 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (6/26/2014) | (0.414 - 0.1)/(41 - 6) | 0.00897143 |
| 0.0574 (5/25/2023) | ND<0.1 U (6/26/2014) | (0.0574 - 0.1)/(42 - 6) | -0.00118333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(43 - 6) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.126 - 0.1)/(44 - 6) | 0.000684211 |
| 0.354 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.354 - 0.1)/(45 - 6) | 0.00651282 |
| 0.08 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.08 - 0.1)/(46 - 6) | -0.0005 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(47 - 6) | -0.00121951 |

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|---|---|---|---|
| 0.202 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.202 - 0.1)/(48 - 6) | 0.00242857 |
| 0.349 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.349 - 0.1)/(49 - 6) | 0.0057907 |
| | | | |
| 0.11 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(8 - 7) | 0.01 |
| 0.26 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.26 - 0.1)/(9 - 7) | 0.08 |
| 0.2 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(10 - 7) | 0.0333333 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.38 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.38 - 0.1)/(12 - 7) | 0.056 |
| 0.3 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.3 - 0.1)/(13 - 7) | 0.0333333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(16 - 7) | 0.00111111 |
| 0.33 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.33 - 0.1)/(17 - 7) | 0.023 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (9/30/2014) | (0.359 - 0.1)/(21 - 7) | 0.0185 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (9/30/2014) | (0.363 - 0.1)/(24 - 7) | 0.0154706 |
| 0.233 (4/15/2019) | ND<0.1 U (9/30/2014) | (0.233 - 0.1)/(25 - 7) | 0.00738889 |
| 0.129 (6/12/2019) | ND<0.1 U (9/30/2014) | (0.129 - 0.1)/(26 - 7) | 0.00152632 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 7) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (9/30/2014) | (0.23 - 0.1)/(29 - 7) | 0.00590909 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.195 - 0.1)/(32 - 7) | 0.0038 |
| 0.369 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.369 - 0.1)/(33 - 7) | 0.0103462 |
| 0.207 (5/5/2021) | ND<0.1 U (9/30/2014) | (0.207 - 0.1)/(34 - 7) | 0.00396296 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.137 - 0.1)/(36 - 7) | 0.00127586 |
| 0.2 (1/11/2022) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(37 - 7) | 0.00333333 |
| 0.268 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.268 - 0.1)/(38 - 7) | 0.00541935 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (9/30/2014) | (0.414 - 0.1)/(41 - 7) | 0.00923529 |
| 0.0574 (5/25/2023) | ND<0.1 U (9/30/2014) | (0.0574 - 0.1)/(42 - 7) | -0.00121714 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.126 - 0.1)/(44 - 7) | 0.000702703 |
| 0.354 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.354 - 0.1)/(45 - 7) | 0.00668421 |
| 0.08 (5/21/2024) | ND<0.1 U (9/30/2014) | (0.08 - 0.1)/(46 - 7) | -0.000512821 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.202 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.202 - 0.1)/(48 - 7) | 0.0024878 |
| 0.349 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.349 - 0.1)/(49 - 7) | 0.00592857 |
| | | | |
| 0.26 (3/23/2015) | 0.11 (11/19/2014) | (0.26 - 0.11)/(9 - 8) | 0.15 |
| 0.2 (4/22/2015) | 0.11 (11/19/2014) | (0.2 - 0.11)/(10 - 8) | 0.045 |
| ND<0.1 U (9/30/2015) | 0.11 (11/19/2014) | (0.1 - 0.11)/(11 - 8) | -0.00333333 |
| 0.38 (11/19/2015) | 0.11 (11/19/2014) | (0.38 - 0.11)/(12 - 8) | 0.0675 |
| 0.3 (3/15/2016) | 0.11 (11/19/2014) | (0.3 - 0.11)/(13 - 8) | 0.038 |
| ND<0.1 U (6/29/2016) | 0.11 (11/19/2014) | (0.1 - 0.11)/(14 - 8) | -0.00166667 |
| ND<0.1 U (8/9/2016) | 0.11 (11/19/2014) | (0.1 - 0.11)/(15 - 8) | -0.00142857 |
| 0.11 (12/7/2016) | 0.11 (11/19/2014) | (0.11 - 0.11)/(16 - 8) | 0 |
| 0.33 (3/2/2017) | 0.11 (11/19/2014) | (0.33 - 0.11)/(17 - 8) | 0.0244444 |
| ND<0.1 U (7/5/2017) | 0.11 (11/19/2014) | (0.1 - 0.11)/(18 - 8) | -0.001 |
| ND<0.1 U (8/16/2017) | 0.11 (11/19/2014) | (0.1 - 0.11)/(19 - 8) | -0.000909091 |

| | | | |
|---|---|---|---|
| ND<0.1 U (10/25/2017) | 0.11 (11/19/2014) | (0.1 - 0.11)/(20 - 8) | -0.000833333 |
| 0.359 (3/28/2018) | 0.11 (11/19/2014) | (0.359 - 0.11)/(21 - 8) | 0.0191538 |
| ND<0.1 U (6/29/2018) | 0.11 (11/19/2014) | (0.1 - 0.11)/(22 - 8) | -0.000714286 |
| ND<0.1 U (8/2/2018) | 0.11 (11/19/2014) | (0.1 - 0.11)/(23 - 8) | -0.000666667 |
| 0.363 (12/10/2018) | 0.11 (11/19/2014) | (0.363 - 0.11)/(24 - 8) | 0.0158125 |
| 0.233 (4/15/2019) | 0.11 (11/19/2014) | (0.233 - 0.11)/(25 - 8) | 0.00723529 |
| 0.129 (6/12/2019) | 0.11 (11/19/2014) | (0.129 - 0.11)/(26 - 8) | 0.00105556 |
| ND<0.1 U (8/27/2019) | 0.11 (11/19/2014) | (0.1 - 0.11)/(27 - 8) | -0.000526316 |
| ND<0.1 U (10/29/2019) | 0.11 (11/19/2014) | (0.1 - 0.11)/(28 - 8) | -0.0005 |
| 0.23 (3/30/2020) | 0.11 (11/19/2014) | (0.23 - 0.11)/(29 - 8) | 0.00571429 |
| ND<0.1 U (6/16/2020) | 0.11 (11/19/2014) | (0.1 - 0.11)/(30 - 8) | -0.000454545 |
| ND<0.1 U (9/21/2020) | 0.11 (11/19/2014) | (0.1 - 0.11)/(31 - 8) | -0.000434783 |
| 0.195 (12/17/2020) | 0.11 (11/19/2014) | (0.195 - 0.11)/(32 - 8) | 0.00354167 |
| 0.369 (3/18/2021) | 0.11 (11/19/2014) | (0.369 - 0.11)/(33 - 8) | 0.01036 |
| 0.207 (5/5/2021) | 0.11 (11/19/2014) | (0.207 - 0.11)/(34 - 8) | 0.00373077 |
| ND<0.1 U (9/2/2021) | 0.11 (11/19/2014) | (0.1 - 0.11)/(35 - 8) | -0.00037037 |
| 0.137 (11/23/2021) | 0.11 (11/19/2014) | (0.137 - 0.11)/(36 - 8) | 0.000964286 |
| 0.2 (1/11/2022) | 0.11 (11/19/2014) | (0.2 - 0.11)/(37 - 8) | 0.00310345 |
| 0.268 (4/7/2022) | 0.11 (11/19/2014) | (0.268 - 0.11)/(38 - 8) | 0.00526667 |
| ND<0.1 U (8/2/2022) | 0.11 (11/19/2014) | (0.1 - 0.11)/(39 - 8) | -0.000322581 |
| ND<0.1 U (11/16/2022) | 0.11 (11/19/2014) | (0.1 - 0.11)/(40 - 8) | -0.0003125 |
| 0.414 (2/14/2023) | 0.11 (11/19/2014) | (0.414 - 0.11)/(41 - 8) | 0.00921212 |
| 0.0574 (5/25/2023) | 0.11 (11/19/2014) | (0.0574 - 0.11)/(42 - 8) | -0.00154706 |
| ND<0.1 U (8/7/2023) | 0.11 (11/19/2014) | (0.1 - 0.11)/(43 - 8) | -0.000285714 |
| 0.126 (12/12/2023) | 0.11 (11/19/2014) | (0.126 - 0.11)/(44 - 8) | 0.000444444 |
| 0.354 (1/10/2024) | 0.11 (11/19/2014) | (0.354 - 0.11)/(45 - 8) | 0.00659459 |
| 0.08 (5/21/2024) | 0.11 (11/19/2014) | (0.08 - 0.11)/(46 - 8) | -0.000789474 |
| ND<0.05 U (9/16/2024) | 0.11 (11/19/2014) | (0.05 - 0.11)/(47 - 8) | -0.00153846 |
| 0.202 (12/11/2024) | 0.11 (11/19/2014) | (0.202 - 0.11)/(48 - 8) | 0.0023 |
| 0.349 (2/18/2025) | 0.11 (11/19/2014) | (0.349 - 0.11)/(49 - 8) | 0.00582927 |
| | | | |
| 0.2 (4/22/2015) | 0.26 (3/23/2015) | (0.2 - 0.26)/(10 - 9) | -0.06 |
| ND<0.1 U (9/30/2015) | 0.26 (3/23/2015) | (0.1 - 0.26)/(11 - 9) | -0.08 |
| 0.38 (11/19/2015) | 0.26 (3/23/2015) | (0.38 - 0.26)/(12 - 9) | 0.04 |
| 0.3 (3/15/2016) | 0.26 (3/23/2015) | (0.3 - 0.26)/(13 - 9) | 0.01 |
| ND<0.1 U (6/29/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(14 - 9) | -0.032 |
| ND<0.1 U (8/9/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(15 - 9) | -0.0266667 |
| 0.11 (12/7/2016) | 0.26 (3/23/2015) | (0.11 - 0.26)/(16 - 9) | -0.0214286 |
| 0.33 (3/2/2017) | 0.26 (3/23/2015) | (0.33 - 0.26)/(17 - 9) | 0.00875 |
| ND<0.1 U (7/5/2017) | 0.26 (3/23/2015) | (0.1 - 0.26)/(18 - 9) | -0.0177778 |
| ND<0.1 U (8/16/2017) | 0.26 (3/23/2015) | (0.1 - 0.26)/(19 - 9) | -0.016 |
| ND<0.1 U (10/25/2017) | 0.26 (3/23/2015) | (0.1 - 0.26)/(20 - 9) | -0.0145455 |
| 0.359 (3/28/2018) | 0.26 (3/23/2015) | (0.359 - 0.26)/(21 - 9) | 0.00825 |
| ND<0.1 U (6/29/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(22 - 9) | -0.0123077 |
| ND<0.1 U (8/2/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(23 - 9) | -0.0114286 |
| 0.363 (12/10/2018) | 0.26 (3/23/2015) | (0.363 - 0.26)/(24 - 9) | 0.00686667 |
| 0.233 (4/15/2019) | 0.26 (3/23/2015) | (0.233 - 0.26)/(25 - 9) | -0.0016875 |
| 0.129 (6/12/2019) | 0.26 (3/23/2015) | (0.129 - 0.26)/(26 - 9) | -0.00770588 |
| ND<0.1 U (8/27/2019) | 0.26 (3/23/2015) | (0.1 - 0.26)/(27 - 9) | -0.00888889 |
| ND<0.1 U (10/29/2019) | 0.26 (3/23/2015) | (0.1 - 0.26)/(28 - 9) | -0.00842105 |
| 0.23 (3/30/2020) | 0.26 (3/23/2015) | (0.23 - 0.26)/(29 - 9) | -0.0015 |
| ND<0.1 U (6/16/2020) | 0.26 (3/23/2015) | (0.1 - 0.26)/(30 - 9) | -0.00761905 |
| ND<0.1 U (9/21/2020) | 0.26 (3/23/2015) | (0.1 - 0.26)/(31 - 9) | -0.00727273 |
| 0.195 (12/17/2020) | 0.26 (3/23/2015) | (0.195 - 0.26)/(32 - 9) | -0.00282609 |
| 0.369 (3/18/2021) | 0.26 (3/23/2015) | (0.369 - 0.26)/(33 - 9) | 0.00454167 |
| 0.207 (5/5/2021) | 0.26 (3/23/2015) | (0.207 - 0.26)/(34 - 9) | -0.00212 |
| ND<0.1 U (9/2/2021) | 0.26 (3/23/2015) | (0.1 - 0.26)/(35 - 9) | -0.00615385 |

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|---|---|---|---|
| 0.137 (11/23/2021) | 0.26 (3/23/2015) | (0.137 - 0.26)/(36 - 9) | -0.00455556 |
| 0.2 (1/11/2022) | 0.26 (3/23/2015) | (0.2 - 0.26)/(37 - 9) | -0.00214286 |
| 0.268 (4/7/2022) | 0.26 (3/23/2015) | (0.268 - 0.26)/(38 - 9) | 0.000275862 |
| ND<0.1 U (8/2/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(39 - 9) | -0.00533333 |
| ND<0.1 U (11/16/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(40 - 9) | -0.00516129 |
| 0.414 (2/14/2023) | 0.26 (3/23/2015) | (0.414 - 0.26)/(41 - 9) | 0.0048125 |
| 0.0574 (5/25/2023) | 0.26 (3/23/2015) | (0.0574 - 0.26)/(42 - 9) | -0.00613939 |
| ND<0.1 U (8/7/2023) | 0.26 (3/23/2015) | (0.1 - 0.26)/(43 - 9) | -0.00470588 |
| 0.126 (12/12/2023) | 0.26 (3/23/2015) | (0.126 - 0.26)/(44 - 9) | -0.00382857 |
| 0.354 (1/10/2024) | 0.26 (3/23/2015) | (0.354 - 0.26)/(45 - 9) | 0.00261111 |
| 0.08 (5/21/2024) | 0.26 (3/23/2015) | (0.08 - 0.26)/(46 - 9) | -0.00486486 |
| ND<0.05 U (9/16/2024) | 0.26 (3/23/2015) | (0.05 - 0.26)/(47 - 9) | -0.00552632 |
| 0.202 (12/11/2024) | 0.26 (3/23/2015) | (0.202 - 0.26)/(48 - 9) | -0.00148718 |
| 0.349 (2/18/2025) | 0.26 (3/23/2015) | (0.349 - 0.26)/(49 - 9) | 0.002225 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.2 (4/22/2015) | (0.1 - 0.2)/(11 - 10) | -0.1 |
| 0.38 (11/19/2015) | 0.2 (4/22/2015) | (0.38 - 0.2)/(12 - 10) | 0.09 |
| 0.3 (3/15/2016) | 0.2 (4/22/2015) | (0.3 - 0.2)/(13 - 10) | 0.0333333 |
| ND<0.1 U (6/29/2016) | 0.2 (4/22/2015) | (0.1 - 0.2)/(14 - 10) | -0.025 |
| ND<0.1 U (8/9/2016) | 0.2 (4/22/2015) | (0.1 - 0.2)/(15 - 10) | -0.02 |
| 0.11 (12/7/2016) | 0.2 (4/22/2015) | (0.11 - 0.2)/(16 - 10) | -0.015 |
| 0.33 (3/2/2017) | 0.2 (4/22/2015) | (0.33 - 0.2)/(17 - 10) | 0.0185714 |
| ND<0.1 U (7/5/2017) | 0.2 (4/22/2015) | (0.1 - 0.2)/(18 - 10) | -0.0125 |
| ND<0.1 U (8/16/2017) | 0.2 (4/22/2015) | (0.1 - 0.2)/(19 - 10) | -0.0111111 |
| ND<0.1 U (10/25/2017) | 0.2 (4/22/2015) | (0.1 - 0.2)/(20 - 10) | -0.01 |
| 0.359 (3/28/2018) | 0.2 (4/22/2015) | (0.359 - 0.2)/(21 - 10) | 0.0144545 |
| ND<0.1 U (6/29/2018) | 0.2 (4/22/2015) | (0.1 - 0.2)/(22 - 10) | -0.00833333 |
| ND<0.1 U (8/2/2018) | 0.2 (4/22/2015) | (0.1 - 0.2)/(23 - 10) | -0.00769231 |
| 0.363 (12/10/2018) | 0.2 (4/22/2015) | (0.363 - 0.2)/(24 - 10) | 0.0116429 |
| 0.233 (4/15/2019) | 0.2 (4/22/2015) | (0.233 - 0.2)/(25 - 10) | 0.0022 |
| 0.129 (6/12/2019) | 0.2 (4/22/2015) | (0.129 - 0.2)/(26 - 10) | -0.0044375 |
| ND<0.1 U (8/27/2019) | 0.2 (4/22/2015) | (0.1 - 0.2)/(27 - 10) | -0.00588235 |
| ND<0.1 U (10/29/2019) | 0.2 (4/22/2015) | (0.1 - 0.2)/(28 - 10) | -0.00555556 |
| 0.23 (3/30/2020) | 0.2 (4/22/2015) | (0.23 - 0.2)/(29 - 10) | 0.00157895 |
| ND<0.1 U (6/16/2020) | 0.2 (4/22/2015) | (0.1 - 0.2)/(30 - 10) | -0.005 |
| ND<0.1 U (9/21/2020) | 0.2 (4/22/2015) | (0.1 - 0.2)/(31 - 10) | -0.0047619 |
| 0.195 (12/17/2020) | 0.2 (4/22/2015) | (0.195 - 0.2)/(32 - 10) | -0.000227273 |
| 0.369 (3/18/2021) | 0.2 (4/22/2015) | (0.369 - 0.2)/(33 - 10) | 0.00734783 |
| 0.207 (5/5/2021) | 0.2 (4/22/2015) | (0.207 - 0.2)/(34 - 10) | 0.000291667 |
| ND<0.1 U (9/2/2021) | 0.2 (4/22/2015) | (0.1 - 0.2)/(35 - 10) | -0.004 |
| 0.137 (11/23/2021) | 0.2 (4/22/2015) | (0.137 - 0.2)/(36 - 10) | -0.00242308 |
| 0.2 (1/11/2022) | 0.2 (4/22/2015) | (0.2 - 0.2)/(37 - 10) | 0 |
| 0.268 (4/7/2022) | 0.2 (4/22/2015) | (0.268 - 0.2)/(38 - 10) | 0.00242857 |
| ND<0.1 U (8/2/2022) | 0.2 (4/22/2015) | (0.1 - 0.2)/(39 - 10) | -0.00344828 |
| ND<0.1 U (11/16/2022) | 0.2 (4/22/2015) | (0.1 - 0.2)/(40 - 10) | -0.00333333 |
| 0.414 (2/14/2023) | 0.2 (4/22/2015) | (0.414 - 0.2)/(41 - 10) | 0.00690323 |
| 0.0574 (5/25/2023) | 0.2 (4/22/2015) | (0.0574 - 0.2)/(42 - 10) | -0.00445625 |
| ND<0.1 U (8/7/2023) | 0.2 (4/22/2015) | (0.1 - 0.2)/(43 - 10) | -0.0030303 |
| 0.126 (12/12/2023) | 0.2 (4/22/2015) | (0.126 - 0.2)/(44 - 10) | -0.00217647 |
| 0.354 (1/10/2024) | 0.2 (4/22/2015) | (0.354 - 0.2)/(45 - 10) | 0.0044 |
| 0.08 (5/21/2024) | 0.2 (4/22/2015) | (0.08 - 0.2)/(46 - 10) | -0.00333333 |
| ND<0.05 U (9/16/2024) | 0.2 (4/22/2015) | (0.05 - 0.2)/(47 - 10) | -0.00405405 |
| 0.202 (12/11/2024) | 0.2 (4/22/2015) | (0.202 - 0.2)/(48 - 10) | 5.26316e-05 |
| 0.349 (2/18/2025) | 0.2 (4/22/2015) | (0.349 - 0.2)/(49 - 10) | 0.00382051 |
| | | | |
| 0.38 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.38 - 0.1)/(12 - 11) | 0.28 |
| 0.3 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.3 - 0.1)/(13 - 11) | 0.1 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.11 - 0.1)/(16 - 11) | 0.002 |
| 0.33 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.33 - 0.1)/(17 - 11) | 0.0383333 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (9/30/2015) | (0.359 - 0.1)/(21 - 11) | 0.0259 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (9/30/2015) | (0.363 - 0.1)/(24 - 11) | 0.0202308 |
| 0.233 (4/15/2019) | ND<0.1 U (9/30/2015) | (0.233 - 0.1)/(25 - 11) | 0.0095 |
| 0.129 (6/12/2019) | ND<0.1 U (9/30/2015) | (0.129 - 0.1)/(26 - 11) | 0.00193333 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(28 - 11) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (9/30/2015) | (0.23 - 0.1)/(29 - 11) | 0.00722222 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.195 - 0.1)/(32 - 11) | 0.00452381 |
| 0.369 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.369 - 0.1)/(33 - 11) | 0.0122273 |
| 0.207 (5/5/2021) | ND<0.1 U (9/30/2015) | (0.207 - 0.1)/(34 - 11) | 0.00465217 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.137 - 0.1)/(36 - 11) | 0.00148 |
| 0.2 (1/11/2022) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(37 - 11) | 0.00384615 |
| 0.268 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.268 - 0.1)/(38 - 11) | 0.00622222 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (9/30/2015) | (0.414 - 0.1)/(41 - 11) | 0.0104667 |
| 0.0574 (5/25/2023) | ND<0.1 U (9/30/2015) | (0.0574 - 0.1)/(42 - 11) | -0.00137419 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.126 - 0.1)/(44 - 11) | 0.000787879 |
| 0.354 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.354 - 0.1)/(45 - 11) | 0.00747059 |
| 0.08 (5/21/2024) | ND<0.1 U (9/30/2015) | (0.08 - 0.1)/(46 - 11) | -0.000571429 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.202 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.202 - 0.1)/(48 - 11) | 0.00275676 |
| 0.349 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.349 - 0.1)/(49 - 11) | 0.00655263 |

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|---|---|---|---|
| 0.3 (3/15/2016) | 0.38 (11/19/2015) | (0.3 - 0.38)/(13 - 12) | -0.08 |
| ND<0.1 U (6/29/2016) | 0.38 (11/19/2015) | (0.1 - 0.38)/(14 - 12) | -0.14 |
| ND<0.1 U (8/9/2016) | 0.38 (11/19/2015) | (0.1 - 0.38)/(15 - 12) | -0.0933333 |
| 0.11 (12/7/2016) | 0.38 (11/19/2015) | (0.11 - 0.38)/(16 - 12) | -0.0675 |
| 0.33 (3/2/2017) | 0.38 (11/19/2015) | (0.33 - 0.38)/(17 - 12) | -0.01 |
| ND<0.1 U (7/5/2017) | 0.38 (11/19/2015) | (0.1 - 0.38)/(18 - 12) | -0.0466667 |
| ND<0.1 U (8/16/2017) | 0.38 (11/19/2015) | (0.1 - 0.38)/(19 - 12) | -0.04 |
| ND<0.1 U (10/25/2017) | 0.38 (11/19/2015) | (0.1 - 0.38)/(20 - 12) | -0.035 |
| 0.359 (3/28/2018) | 0.38 (11/19/2015) | (0.359 - 0.38)/(21 - 12) | -0.00233333 |
| ND<0.1 U (6/29/2018) | 0.38 (11/19/2015) | (0.1 - 0.38)/(22 - 12) | -0.028 |
| ND<0.1 U (8/2/2018) | 0.38 (11/19/2015) | (0.1 - 0.38)/(23 - 12) | -0.0254545 |
| 0.363 (12/10/2018) | 0.38 (11/19/2015) | (0.363 - 0.38)/(24 - 12) | -0.00141667 |
| 0.233 (4/15/2019) | 0.38 (11/19/2015) | (0.233 - 0.38)/(25 - 12) | -0.0113077 |
| 0.129 (6/12/2019) | 0.38 (11/19/2015) | (0.129 - 0.38)/(26 - 12) | -0.0179286 |
| ND<0.1 U (8/27/2019) | 0.38 (11/19/2015) | (0.1 - 0.38)/(27 - 12) | -0.0186667 |
| ND<0.1 U (10/29/2019) | 0.38 (11/19/2015) | (0.1 - 0.38)/(28 - 12) | -0.0175 |
| 0.23 (3/30/2020) | 0.38 (11/19/2015) | (0.23 - 0.38)/(29 - 12) | -0.00882353 |
| ND<0.1 U (6/16/2020) | 0.38 (11/19/2015) | (0.1 - 0.38)/(30 - 12) | -0.0155556 |
| ND<0.1 U (9/21/2020) | 0.38 (11/19/2015) | (0.1 - 0.38)/(31 - 12) | -0.0147368 |
| 0.195 (12/17/2020) | 0.38 (11/19/2015) | (0.195 - 0.38)/(32 - 12) | -0.00925 |

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|---|---|---|---|
| 0.369 (3/18/2021) | 0.38 (11/19/2015) | (0.369 - 0.38)/(33 - 12) | -0.00052381 |
| 0.207 (5/5/2021) | 0.38 (11/19/2015) | (0.207 - 0.38)/(34 - 12) | -0.00786364 |
| ND<0.1 U (9/2/2021) | 0.38 (11/19/2015) | (0.1 - 0.38)/(35 - 12) | -0.0121739 |
| 0.137 (11/23/2021) | 0.38 (11/19/2015) | (0.137 - 0.38)/(36 - 12) | -0.010125 |
| 0.2 (1/11/2022) | 0.38 (11/19/2015) | (0.2 - 0.38)/(37 - 12) | -0.0072 |
| 0.268 (4/7/2022) | 0.38 (11/19/2015) | (0.268 - 0.38)/(38 - 12) | -0.00430769 |
| ND<0.1 U (8/2/2022) | 0.38 (11/19/2015) | (0.1 - 0.38)/(39 - 12) | -0.0103704 |
| ND<0.1 U (11/16/2022) | 0.38 (11/19/2015) | (0.1 - 0.38)/(40 - 12) | -0.01 |
| 0.414 (2/14/2023) | 0.38 (11/19/2015) | (0.414 - 0.38)/(41 - 12) | 0.00117241 |
| 0.0574 (5/25/2023) | 0.38 (11/19/2015) | (0.0574 - 0.38)/(42 - 12) | -0.0107533 |
| ND<0.1 U (8/7/2023) | 0.38 (11/19/2015) | (0.1 - 0.38)/(43 - 12) | -0.00903226 |
| 0.126 (12/12/2023) | 0.38 (11/19/2015) | (0.126 - 0.38)/(44 - 12) | -0.0079375 |
| 0.354 (1/10/2024) | 0.38 (11/19/2015) | (0.354 - 0.38)/(45 - 12) | -0.000787879 |
| 0.08 (5/21/2024) | 0.38 (11/19/2015) | (0.08 - 0.38)/(46 - 12) | -0.00882353 |
| ND<0.05 U (9/16/2024) | 0.38 (11/19/2015) | (0.05 - 0.38)/(47 - 12) | -0.00942857 |
| 0.202 (12/11/2024) | 0.38 (11/19/2015) | (0.202 - 0.38)/(48 - 12) | -0.00494444 |
| 0.349 (2/18/2025) | 0.38 (11/19/2015) | (0.349 - 0.38)/(49 - 12) | -0.000837838 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(14 - 13) | -0.2 |
| ND<0.1 U (8/9/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(15 - 13) | -0.1 |
| 0.11 (12/7/2016) | 0.3 (3/15/2016) | (0.11 - 0.3)/(16 - 13) | -0.0633333 |
| 0.33 (3/2/2017) | 0.3 (3/15/2016) | (0.33 - 0.3)/(17 - 13) | 0.0075 |
| ND<0.1 U (7/5/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(18 - 13) | -0.04 |
| ND<0.1 U (8/16/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(19 - 13) | -0.0333333 |
| ND<0.1 U (10/25/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(20 - 13) | -0.0285714 |
| 0.359 (3/28/2018) | 0.3 (3/15/2016) | (0.359 - 0.3)/(21 - 13) | 0.007375 |
| ND<0.1 U (6/29/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(22 - 13) | -0.0222222 |
| ND<0.1 U (8/2/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(23 - 13) | -0.02 |
| 0.363 (12/10/2018) | 0.3 (3/15/2016) | (0.363 - 0.3)/(24 - 13) | 0.00572727 |
| 0.233 (4/15/2019) | 0.3 (3/15/2016) | (0.233 - 0.3)/(25 - 13) | -0.00558333 |
| 0.129 (6/12/2019) | 0.3 (3/15/2016) | (0.129 - 0.3)/(26 - 13) | -0.0131538 |
| ND<0.1 U (8/27/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(27 - 13) | -0.0142857 |
| ND<0.1 U (10/29/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(28 - 13) | -0.0133333 |
| 0.23 (3/30/2020) | 0.3 (3/15/2016) | (0.23 - 0.3)/(29 - 13) | -0.004375 |
| ND<0.1 U (6/16/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(30 - 13) | -0.0117647 |
| ND<0.1 U (9/21/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(31 - 13) | -0.0111111 |
| 0.195 (12/17/2020) | 0.3 (3/15/2016) | (0.195 - 0.3)/(32 - 13) | -0.00552632 |
| 0.369 (3/18/2021) | 0.3 (3/15/2016) | (0.369 - 0.3)/(33 - 13) | 0.00345 |
| 0.207 (5/5/2021) | 0.3 (3/15/2016) | (0.207 - 0.3)/(34 - 13) | -0.00442857 |
| ND<0.1 U (9/2/2021) | 0.3 (3/15/2016) | (0.1 - 0.3)/(35 - 13) | -0.00909091 |
| 0.137 (11/23/2021) | 0.3 (3/15/2016) | (0.137 - 0.3)/(36 - 13) | -0.00708696 |
| 0.2 (1/11/2022) | 0.3 (3/15/2016) | (0.2 - 0.3)/(37 - 13) | -0.00416667 |
| 0.268 (4/7/2022) | 0.3 (3/15/2016) | (0.268 - 0.3)/(38 - 13) | -0.00128 |
| ND<0.1 U (8/2/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(39 - 13) | -0.00769231 |
| ND<0.1 U (11/16/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(40 - 13) | -0.00740741 |
| 0.414 (2/14/2023) | 0.3 (3/15/2016) | (0.414 - 0.3)/(41 - 13) | 0.00407143 |
| 0.0574 (5/25/2023) | 0.3 (3/15/2016) | (0.0574 - 0.3)/(42 - 13) | -0.00836552 |
| ND<0.1 U (8/7/2023) | 0.3 (3/15/2016) | (0.1 - 0.3)/(43 - 13) | -0.00666667 |
| 0.126 (12/12/2023) | 0.3 (3/15/2016) | (0.126 - 0.3)/(44 - 13) | -0.0056129 |
| 0.354 (1/10/2024) | 0.3 (3/15/2016) | (0.354 - 0.3)/(45 - 13) | 0.0016875 |
| 0.08 (5/21/2024) | 0.3 (3/15/2016) | (0.08 - 0.3)/(46 - 13) | -0.00666667 |
| ND<0.05 U (9/16/2024) | 0.3 (3/15/2016) | (0.05 - 0.3)/(47 - 13) | -0.00735294 |
| 0.202 (12/11/2024) | 0.3 (3/15/2016) | (0.202 - 0.3)/(48 - 13) | -0.0028 |
| 0.349 (2/18/2025) | 0.3 (3/15/2016) | (0.349 - 0.3)/(49 - 13) | 0.00136111 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.11 - 0.1)/(16 - 14) | 0.005 |

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|---|---|---|---|
| 0.33 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.33 - 0.1)/(17 - 14) | 0.0766667 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (6/29/2016) | (0.359 - 0.1)/(21 - 14) | 0.037 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (6/29/2016) | (0.363 - 0.1)/(24 - 14) | 0.0263 |
| 0.233 (4/15/2019) | ND<0.1 U (6/29/2016) | (0.233 - 0.1)/(25 - 14) | 0.0120909 |
| 0.129 (6/12/2019) | ND<0.1 U (6/29/2016) | (0.129 - 0.1)/(26 - 14) | 0.00241667 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (6/29/2016) | (0.23 - 0.1)/(29 - 14) | 0.00866667 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.195 - 0.1)/(32 - 14) | 0.00527778 |
| 0.369 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.369 - 0.1)/(33 - 14) | 0.0141579 |
| 0.207 (5/5/2021) | ND<0.1 U (6/29/2016) | (0.207 - 0.1)/(34 - 14) | 0.00535 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.137 - 0.1)/(36 - 14) | 0.00168182 |
| 0.2 (1/11/2022) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(37 - 14) | 0.00434783 |
| 0.268 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.268 - 0.1)/(38 - 14) | 0.007 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (6/29/2016) | (0.414 - 0.1)/(41 - 14) | 0.0116296 |
| 0.0574 (5/25/2023) | ND<0.1 U (6/29/2016) | (0.0574 - 0.1)/(42 - 14) | -0.00152143 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.126 - 0.1)/(44 - 14) | 0.000866667 |
| 0.354 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.354 - 0.1)/(45 - 14) | 0.00819355 |
| 0.08 (5/21/2024) | ND<0.1 U (6/29/2016) | (0.08 - 0.1)/(46 - 14) | -0.000625 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.202 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.202 - 0.1)/(48 - 14) | 0.003 |
| 0.349 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.349 - 0.1)/(49 - 14) | 0.00711429 |
| | | | |
| 0.11 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.11 - 0.1)/(16 - 15) | 0.01 |
| 0.33 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.33 - 0.1)/(17 - 15) | 0.115 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (8/9/2016) | (0.359 - 0.1)/(21 - 15) | 0.0431667 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (8/9/2016) | (0.363 - 0.1)/(24 - 15) | 0.0292222 |
| 0.233 (4/15/2019) | ND<0.1 U (8/9/2016) | (0.233 - 0.1)/(25 - 15) | 0.0133 |
| 0.129 (6/12/2019) | ND<0.1 U (8/9/2016) | (0.129 - 0.1)/(26 - 15) | 0.00263636 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (8/9/2016) | (0.23 - 0.1)/(29 - 15) | 0.00928571 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.195 - 0.1)/(32 - 15) | 0.00558824 |
| 0.369 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.369 - 0.1)/(33 - 15) | 0.0149444 |
| 0.207 (5/5/2021) | ND<0.1 U (8/9/2016) | (0.207 - 0.1)/(34 - 15) | 0.00563158 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (8/9/2016) | (0.137 - 0.1)/(36 - 15) | 0.0017619 |
| 0.2 (1/11/2022) | ND<0.1 U (8/9/2016) | (0.2 - 0.1)/(37 - 15) | 0.00454545 |
| 0.268 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.268 - 0.1)/(38 - 15) | 0.00730435 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (8/9/2016) | (0.414 - 0.1)/(41 - 15) | 0.0120769 |
| 0.0574 (5/25/2023) | ND<0.1 U (8/9/2016) | (0.0574 - 0.1)/(42 - 15) | -0.00157778 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(43 - 15) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.126 - 0.1)/(44 - 15) | 0.000896552 |
| 0.354 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.354 - 0.1)/(45 - 15) | 0.00846667 |
| 0.08 (5/21/2024) | ND<0.1 U (8/9/2016) | (0.08 - 0.1)/(46 - 15) | -0.000645161 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(47 - 15) | -0.0015625 |
| 0.202 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.202 - 0.1)/(48 - 15) | 0.00309091 |
| 0.349 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.349 - 0.1)/(49 - 15) | 0.00732353 |
| | | | |
| 0.33 (3/2/2017) | 0.11 (12/7/2016) | (0.33 - 0.11)/(17 - 16) | 0.22 |
| ND<0.1 U (7/5/2017) | 0.11 (12/7/2016) | (0.1 - 0.11)/(18 - 16) | -0.005 |
| ND<0.1 U (8/16/2017) | 0.11 (12/7/2016) | (0.1 - 0.11)/(19 - 16) | -0.00333333 |
| ND<0.1 U (10/25/2017) | 0.11 (12/7/2016) | (0.1 - 0.11)/(20 - 16) | -0.0025 |
| 0.359 (3/28/2018) | 0.11 (12/7/2016) | (0.359 - 0.11)/(21 - 16) | 0.0498 |
| ND<0.1 U (6/29/2018) | 0.11 (12/7/2016) | (0.1 - 0.11)/(22 - 16) | -0.00166667 |
| ND<0.1 U (8/2/2018) | 0.11 (12/7/2016) | (0.1 - 0.11)/(23 - 16) | -0.00142857 |
| 0.363 (12/10/2018) | 0.11 (12/7/2016) | (0.363 - 0.11)/(24 - 16) | 0.031625 |
| 0.233 (4/15/2019) | 0.11 (12/7/2016) | (0.233 - 0.11)/(25 - 16) | 0.0136667 |
| 0.129 (6/12/2019) | 0.11 (12/7/2016) | (0.129 - 0.11)/(26 - 16) | 0.0019 |
| ND<0.1 U (8/27/2019) | 0.11 (12/7/2016) | (0.1 - 0.11)/(27 - 16) | -0.000909091 |
| ND<0.1 U (10/29/2019) | 0.11 (12/7/2016) | (0.1 - 0.11)/(28 - 16) | -0.000833333 |
| 0.23 (3/30/2020) | 0.11 (12/7/2016) | (0.23 - 0.11)/(29 - 16) | 0.00923077 |
| ND<0.1 U (6/16/2020) | 0.11 (12/7/2016) | (0.1 - 0.11)/(30 - 16) | -0.000714286 |
| ND<0.1 U (9/21/2020) | 0.11 (12/7/2016) | (0.1 - 0.11)/(31 - 16) | -0.000666667 |
| 0.195 (12/17/2020) | 0.11 (12/7/2016) | (0.195 - 0.11)/(32 - 16) | 0.0053125 |
| 0.369 (3/18/2021) | 0.11 (12/7/2016) | (0.369 - 0.11)/(33 - 16) | 0.0152353 |
| 0.207 (5/5/2021) | 0.11 (12/7/2016) | (0.207 - 0.11)/(34 - 16) | 0.00538889 |
| ND<0.1 U (9/2/2021) | 0.11 (12/7/2016) | (0.1 - 0.11)/(35 - 16) | -0.000526316 |
| 0.137 (11/23/2021) | 0.11 (12/7/2016) | (0.137 - 0.11)/(36 - 16) | 0.00135 |
| 0.2 (1/11/2022) | 0.11 (12/7/2016) | (0.2 - 0.11)/(37 - 16) | 0.00428571 |
| 0.268 (4/7/2022) | 0.11 (12/7/2016) | (0.268 - 0.11)/(38 - 16) | 0.00718182 |
| ND<0.1 U (8/2/2022) | 0.11 (12/7/2016) | (0.1 - 0.11)/(39 - 16) | -0.000434783 |
| ND<0.1 U (11/16/2022) | 0.11 (12/7/2016) | (0.1 - 0.11)/(40 - 16) | -0.000416667 |
| 0.414 (2/14/2023) | 0.11 (12/7/2016) | (0.414 - 0.11)/(41 - 16) | 0.01216 |
| 0.0574 (5/25/2023) | 0.11 (12/7/2016) | (0.0574 - 0.11)/(42 - 16) | -0.00202308 |
| ND<0.1 U (8/7/2023) | 0.11 (12/7/2016) | (0.1 - 0.11)/(43 - 16) | -0.00037037 |
| 0.126 (12/12/2023) | 0.11 (12/7/2016) | (0.126 - 0.11)/(44 - 16) | 0.000571429 |
| 0.354 (1/10/2024) | 0.11 (12/7/2016) | (0.354 - 0.11)/(45 - 16) | 0.00841379 |
| 0.08 (5/21/2024) | 0.11 (12/7/2016) | (0.08 - 0.11)/(46 - 16) | -0.001 |
| ND<0.05 U (9/16/2024) | 0.11 (12/7/2016) | (0.05 - 0.11)/(47 - 16) | -0.00193548 |
| 0.202 (12/11/2024) | 0.11 (12/7/2016) | (0.202 - 0.11)/(48 - 16) | 0.002875 |
| 0.349 (2/18/2025) | 0.11 (12/7/2016) | (0.349 - 0.11)/(49 - 16) | 0.00724242 |
| | | | |
| ND<0.1 U (7/5/2017) | 0.33 (3/2/2017) | (0.1 - 0.33)/(18 - 17) | -0.23 |
| ND<0.1 U (8/16/2017) | 0.33 (3/2/2017) | (0.1 - 0.33)/(19 - 17) | -0.115 |
| ND<0.1 U (10/25/2017) | 0.33 (3/2/2017) | (0.1 - 0.33)/(20 - 17) | -0.0766667 |
| 0.359 (3/28/2018) | 0.33 (3/2/2017) | (0.359 - 0.33)/(21 - 17) | 0.00725 |
| ND<0.1 U (6/29/2018) | 0.33 (3/2/2017) | (0.1 - 0.33)/(22 - 17) | -0.046 |
| ND<0.1 U (8/2/2018) | 0.33 (3/2/2017) | (0.1 - 0.33)/(23 - 17) | -0.0383333 |
| 0.363 (12/10/2018) | 0.33 (3/2/2017) | (0.363 - 0.33)/(24 - 17) | 0.00471429 |
| 0.233 (4/15/2019) | 0.33 (3/2/2017) | (0.233 - 0.33)/(25 - 17) | -0.012125 |
| 0.129 (6/12/2019) | 0.33 (3/2/2017) | (0.129 - 0.33)/(26 - 17) | -0.0223333 |
| ND<0.1 U (8/27/2019) | 0.33 (3/2/2017) | (0.1 - 0.33)/(27 - 17) | -0.023 |
| ND<0.1 U (10/29/2019) | 0.33 (3/2/2017) | (0.1 - 0.33)/(28 - 17) | -0.0209091 |

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|---|---|---|---|
| 0.23 (3/30/2020) | 0.33 (3/2/2017) | (0.23 - 0.33)/(29 - 17) | -0.00833333 |
| ND<0.1 U (6/16/2020) | 0.33 (3/2/2017) | (0.1 - 0.33)/(30 - 17) | -0.0176923 |
| ND<0.1 U (9/21/2020) | 0.33 (3/2/2017) | (0.1 - 0.33)/(31 - 17) | -0.0164286 |
| 0.195 (12/17/2020) | 0.33 (3/2/2017) | (0.195 - 0.33)/(32 - 17) | -0.009 |
| 0.369 (3/18/2021) | 0.33 (3/2/2017) | (0.369 - 0.33)/(33 - 17) | 0.0024375 |
| 0.207 (5/5/2021) | 0.33 (3/2/2017) | (0.207 - 0.33)/(34 - 17) | -0.00723529 |
| ND<0.1 U (9/2/2021) | 0.33 (3/2/2017) | (0.1 - 0.33)/(35 - 17) | -0.0127778 |
| 0.137 (11/23/2021) | 0.33 (3/2/2017) | (0.137 - 0.33)/(36 - 17) | -0.0101579 |
| 0.2 (1/11/2022) | 0.33 (3/2/2017) | (0.2 - 0.33)/(37 - 17) | -0.0065 |
| 0.268 (4/7/2022) | 0.33 (3/2/2017) | (0.268 - 0.33)/(38 - 17) | -0.00295238 |
| ND<0.1 U (8/2/2022) | 0.33 (3/2/2017) | (0.1 - 0.33)/(39 - 17) | -0.0104545 |
| ND<0.1 U (11/16/2022) | 0.33 (3/2/2017) | (0.1 - 0.33)/(40 - 17) | -0.01 |
| 0.414 (2/14/2023) | 0.33 (3/2/2017) | (0.414 - 0.33)/(41 - 17) | 0.0035 |
| 0.0574 (5/25/2023) | 0.33 (3/2/2017) | (0.0574 - 0.33)/(42 - 17) | -0.010904 |
| ND<0.1 U (8/7/2023) | 0.33 (3/2/2017) | (0.1 - 0.33)/(43 - 17) | -0.00884615 |
| 0.126 (12/12/2023) | 0.33 (3/2/2017) | (0.126 - 0.33)/(44 - 17) | -0.00755556 |
| 0.354 (1/10/2024) | 0.33 (3/2/2017) | (0.354 - 0.33)/(45 - 17) | 0.000857143 |
| 0.08 (5/21/2024) | 0.33 (3/2/2017) | (0.08 - 0.33)/(46 - 17) | -0.00862069 |
| ND<0.05 U (9/16/2024) | 0.33 (3/2/2017) | (0.05 - 0.33)/(47 - 17) | -0.00933333 |
| 0.202 (12/11/2024) | 0.33 (3/2/2017) | (0.202 - 0.33)/(48 - 17) | -0.00412903 |
| 0.349 (2/18/2025) | 0.33 (3/2/2017) | (0.349 - 0.33)/(49 - 17) | 0.00059375 |
| | | | |
| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (7/5/2017) | (0.359 - 0.1)/(21 - 18) | 0.0863333 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (7/5/2017) | (0.363 - 0.1)/(24 - 18) | 0.0438333 |
| 0.233 (4/15/2019) | ND<0.1 U (7/5/2017) | (0.233 - 0.1)/(25 - 18) | 0.019 |
| 0.129 (6/12/2019) | ND<0.1 U (7/5/2017) | (0.129 - 0.1)/(26 - 18) | 0.003625 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(28 - 18) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (7/5/2017) | (0.23 - 0.1)/(29 - 18) | 0.0118182 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (7/5/2017) | (0.195 - 0.1)/(32 - 18) | 0.00678571 |
| 0.369 (3/18/2021) | ND<0.1 U (7/5/2017) | (0.369 - 0.1)/(33 - 18) | 0.0179333 |
| 0.207 (5/5/2021) | ND<0.1 U (7/5/2017) | (0.207 - 0.1)/(34 - 18) | 0.0066875 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (7/5/2017) | (0.137 - 0.1)/(36 - 18) | 0.00205556 |
| 0.2 (1/11/2022) | ND<0.1 U (7/5/2017) | (0.2 - 0.1)/(37 - 18) | 0.00526316 |
| 0.268 (4/7/2022) | ND<0.1 U (7/5/2017) | (0.268 - 0.1)/(38 - 18) | 0.0084 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (7/5/2017) | (0.414 - 0.1)/(41 - 18) | 0.0136522 |
| 0.0574 (5/25/2023) | ND<0.1 U (7/5/2017) | (0.0574 - 0.1)/(42 - 18) | -0.001775 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(43 - 18) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (7/5/2017) | (0.126 - 0.1)/(44 - 18) | 0.001 |
| 0.354 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.354 - 0.1)/(45 - 18) | 0.00940741 |
| 0.08 (5/21/2024) | ND<0.1 U (7/5/2017) | (0.08 - 0.1)/(46 - 18) | -0.000714286 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (7/5/2017) | (0.05 - 0.1)/(47 - 18) | -0.00172414 |
| 0.202 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.202 - 0.1)/(48 - 18) | 0.0034 |
| 0.349 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.349 - 0.1)/(49 - 18) | 0.00803226 |
| | | | |
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| 0.359 (3/28/2018) | ND<0.1 U (8/16/2017) | (0.359 - 0.1)/(21 - 19) | 0.1295 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (8/16/2017) | (0.363 - 0.1)/(24 - 19) | 0.0526 |
| 0.233 (4/15/2019) | ND<0.1 U (8/16/2017) | (0.233 - 0.1)/(25 - 19) | 0.0221667 |
| 0.129 (6/12/2019) | ND<0.1 U (8/16/2017) | (0.129 - 0.1)/(26 - 19) | 0.00414286 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (8/16/2017) | (0.23 - 0.1)/(29 - 19) | 0.013 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (8/16/2017) | (0.195 - 0.1)/(32 - 19) | 0.00730769 |
| 0.369 (3/18/2021) | ND<0.1 U (8/16/2017) | (0.369 - 0.1)/(33 - 19) | 0.0192143 |
| 0.207 (5/5/2021) | ND<0.1 U (8/16/2017) | (0.207 - 0.1)/(34 - 19) | 0.00713333 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (8/16/2017) | (0.137 - 0.1)/(36 - 19) | 0.00217647 |
| 0.2 (1/11/2022) | ND<0.1 U (8/16/2017) | (0.2 - 0.1)/(37 - 19) | 0.00555556 |
| 0.268 (4/7/2022) | ND<0.1 U (8/16/2017) | (0.268 - 0.1)/(38 - 19) | 0.00884211 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (8/16/2017) | (0.414 - 0.1)/(41 - 19) | 0.0142727 |
| 0.0574 (5/25/2023) | ND<0.1 U (8/16/2017) | (0.0574 - 0.1)/(42 - 19) | -0.00185217 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(43 - 19) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (8/16/2017) | (0.126 - 0.1)/(44 - 19) | 0.00104 |
| 0.354 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.354 - 0.1)/(45 - 19) | 0.00976923 |
| 0.08 (5/21/2024) | ND<0.1 U (8/16/2017) | (0.08 - 0.1)/(46 - 19) | -0.000740741 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(47 - 19) | -0.00178571 |
| 0.202 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.202 - 0.1)/(48 - 19) | 0.00351724 |
| 0.349 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.349 - 0.1)/(49 - 19) | 0.0083 |
| | | | |
| 0.359 (3/28/2018) | ND<0.1 U (10/25/2017) | (0.359 - 0.1)/(21 - 20) | 0.259 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (10/25/2017) | (0.363 - 0.1)/(24 - 20) | 0.06575 |
| 0.233 (4/15/2019) | ND<0.1 U (10/25/2017) | (0.233 - 0.1)/(25 - 20) | 0.0266 |
| 0.129 (6/12/2019) | ND<0.1 U (10/25/2017) | (0.129 - 0.1)/(26 - 20) | 0.00483333 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(28 - 20) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (10/25/2017) | (0.23 - 0.1)/(29 - 20) | 0.0144444 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (10/25/2017) | (0.195 - 0.1)/(32 - 20) | 0.00791667 |
| 0.369 (3/18/2021) | ND<0.1 U (10/25/2017) | (0.369 - 0.1)/(33 - 20) | 0.0206923 |
| 0.207 (5/5/2021) | ND<0.1 U (10/25/2017) | (0.207 - 0.1)/(34 - 20) | 0.00764286 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (10/25/2017) | (0.137 - 0.1)/(36 - 20) | 0.0023125 |
| 0.2 (1/11/2022) | ND<0.1 U (10/25/2017) | (0.2 - 0.1)/(37 - 20) | 0.00588235 |
| 0.268 (4/7/2022) | ND<0.1 U (10/25/2017) | (0.268 - 0.1)/(38 - 20) | 0.00933333 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (10/25/2017) | (0.414 - 0.1)/(41 - 20) | 0.0149524 |
| 0.0574 (5/25/2023) | ND<0.1 U (10/25/2017) | (0.0574 - 0.1)/(42 - 20) | -0.00193636 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(43 - 20) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (10/25/2017) | (0.126 - 0.1)/(44 - 20) | 0.00108333 |
| 0.354 (1/10/2024) | ND<0.1 U (10/25/2017) | (0.354 - 0.1)/(45 - 20) | 0.01016 |
| 0.08 (5/21/2024) | ND<0.1 U (10/25/2017) | (0.08 - 0.1)/(46 - 20) | -0.000769231 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/25/2017) | (0.05 - 0.1)/(47 - 20) | -0.00185185 |
| 0.202 (12/11/2024) | ND<0.1 U (10/25/2017) | (0.202 - 0.1)/(48 - 20) | 0.00364286 |
| 0.349 (2/18/2025) | ND<0.1 U (10/25/2017) | (0.349 - 0.1)/(49 - 20) | 0.00858621 |

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|---|---|---|---|
| ND<0.1 U (6/29/2018) | 0.359 (3/28/2018) | (0.1 - 0.359)/(22 - 21) | -0.259 |
| ND<0.1 U (8/2/2018) | 0.359 (3/28/2018) | (0.1 - 0.359)/(23 - 21) | -0.1295 |
| 0.363 (12/10/2018) | 0.359 (3/28/2018) | (0.363 - 0.359)/(24 - 21) | 0.00133333 |
| 0.233 (4/15/2019) | 0.359 (3/28/2018) | (0.233 - 0.359)/(25 - 21) | -0.0315 |
| 0.129 (6/12/2019) | 0.359 (3/28/2018) | (0.129 - 0.359)/(26 - 21) | -0.046 |
| ND<0.1 U (8/27/2019) | 0.359 (3/28/2018) | (0.1 - 0.359)/(27 - 21) | -0.0431667 |
| ND<0.1 U (10/29/2019) | 0.359 (3/28/2018) | (0.1 - 0.359)/(28 - 21) | -0.037 |
| 0.23 (3/30/2020) | 0.359 (3/28/2018) | (0.23 - 0.359)/(29 - 21) | -0.016125 |
| ND<0.1 U (6/16/2020) | 0.359 (3/28/2018) | (0.1 - 0.359)/(30 - 21) | -0.0287778 |
| ND<0.1 U (9/21/2020) | 0.359 (3/28/2018) | (0.1 - 0.359)/(31 - 21) | -0.0259 |
| 0.195 (12/17/2020) | 0.359 (3/28/2018) | (0.195 - 0.359)/(32 - 21) | -0.0149091 |
| 0.369 (3/18/2021) | 0.359 (3/28/2018) | (0.369 - 0.359)/(33 - 21) | 0.000833333 |
| 0.207 (5/5/2021) | 0.359 (3/28/2018) | (0.207 - 0.359)/(34 - 21) | -0.0116923 |
| ND<0.1 U (9/2/2021) | 0.359 (3/28/2018) | (0.1 - 0.359)/(35 - 21) | -0.0185 |
| 0.137 (11/23/2021) | 0.359 (3/28/2018) | (0.137 - 0.359)/(36 - 21) | -0.0148 |
| 0.2 (1/11/2022) | 0.359 (3/28/2018) | (0.2 - 0.359)/(37 - 21) | -0.0099375 |
| 0.268 (4/7/2022) | 0.359 (3/28/2018) | (0.268 - 0.359)/(38 - 21) | -0.00535294 |
| ND<0.1 U (8/2/2022) | 0.359 (3/28/2018) | (0.1 - 0.359)/(39 - 21) | -0.0143889 |
| ND<0.1 U (11/16/2022) | 0.359 (3/28/2018) | (0.1 - 0.359)/(40 - 21) | -0.0136316 |
| 0.414 (2/14/2023) | 0.359 (3/28/2018) | (0.414 - 0.359)/(41 - 21) | 0.00275 |
| 0.0574 (5/25/2023) | 0.359 (3/28/2018) | (0.0574 - 0.359)/(42 - 21) | -0.0143619 |
| ND<0.1 U (8/7/2023) | 0.359 (3/28/2018) | (0.1 - 0.359)/(43 - 21) | -0.0117727 |
| 0.126 (12/12/2023) | 0.359 (3/28/2018) | (0.126 - 0.359)/(44 - 21) | -0.0101304 |
| 0.354 (1/10/2024) | 0.359 (3/28/2018) | (0.354 - 0.359)/(45 - 21) | -0.000208333 |
| 0.08 (5/21/2024) | 0.359 (3/28/2018) | (0.08 - 0.359)/(46 - 21) | -0.01116 |
| ND<0.05 U (9/16/2024) | 0.359 (3/28/2018) | (0.05 - 0.359)/(47 - 21) | -0.0118846 |
| 0.202 (12/11/2024) | 0.359 (3/28/2018) | (0.202 - 0.359)/(48 - 21) | -0.00581481 |
| 0.349 (2/18/2025) | 0.359 (3/28/2018) | (0.349 - 0.359)/(49 - 21) | -0.000357143 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| 0.363 (12/10/2018) | ND<0.1 U (6/29/2018) | (0.363 - 0.1)/(24 - 22) | 0.1315 |
| 0.233 (4/15/2019) | ND<0.1 U (6/29/2018) | (0.233 - 0.1)/(25 - 22) | 0.0443333 |
| 0.129 (6/12/2019) | ND<0.1 U (6/29/2018) | (0.129 - 0.1)/(26 - 22) | 0.00725 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(28 - 22) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (6/29/2018) | (0.23 - 0.1)/(29 - 22) | 0.0185714 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (6/29/2018) | (0.195 - 0.1)/(32 - 22) | 0.0095 |
| 0.369 (3/18/2021) | ND<0.1 U (6/29/2018) | (0.369 - 0.1)/(33 - 22) | 0.0244545 |
| 0.207 (5/5/2021) | ND<0.1 U (6/29/2018) | (0.207 - 0.1)/(34 - 22) | 0.00891667 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (6/29/2018) | (0.137 - 0.1)/(36 - 22) | 0.00264286 |
| 0.2 (1/11/2022) | ND<0.1 U (6/29/2018) | (0.2 - 0.1)/(37 - 22) | 0.00666667 |
| 0.268 (4/7/2022) | ND<0.1 U (6/29/2018) | (0.268 - 0.1)/(38 - 22) | 0.0105 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (6/29/2018) | (0.414 - 0.1)/(41 - 22) | 0.0165263 |
| 0.0574 (5/25/2023) | ND<0.1 U (6/29/2018) | (0.0574 - 0.1)/(42 - 22) | -0.00213 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(43 - 22) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (6/29/2018) | (0.126 - 0.1)/(44 - 22) | 0.00118182 |
| 0.354 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.354 - 0.1)/(45 - 22) | 0.0110435 |
| 0.08 (5/21/2024) | ND<0.1 U (6/29/2018) | (0.08 - 0.1)/(46 - 22) | -0.000833333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(47 - 22) | -0.002 |
| 0.202 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.202 - 0.1)/(48 - 22) | 0.00392308 |
| 0.349 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.349 - 0.1)/(49 - 22) | 0.00922222 |

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|---|---|---|---|
| 0.363 (12/10/2018) | ND<0.1 U (8/2/2018) | (0.363 - 0.1)/(24 - 23) | 0.263 |
| 0.233 (4/15/2019) | ND<0.1 U (8/2/2018) | (0.233 - 0.1)/(25 - 23) | 0.0665 |
| 0.129 (6/12/2019) | ND<0.1 U (8/2/2018) | (0.129 - 0.1)/(26 - 23) | 0.00966667 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(27 - 23) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(28 - 23) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (8/2/2018) | (0.23 - 0.1)/(29 - 23) | 0.0216667 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (8/2/2018) | (0.195 - 0.1)/(32 - 23) | 0.0105556 |
| 0.369 (3/18/2021) | ND<0.1 U (8/2/2018) | (0.369 - 0.1)/(33 - 23) | 0.0269 |
| 0.207 (5/5/2021) | ND<0.1 U (8/2/2018) | (0.207 - 0.1)/(34 - 23) | 0.00972727 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (8/2/2018) | (0.137 - 0.1)/(36 - 23) | 0.00284615 |
| 0.2 (1/11/2022) | ND<0.1 U (8/2/2018) | (0.2 - 0.1)/(37 - 23) | 0.00714286 |
| 0.268 (4/7/2022) | ND<0.1 U (8/2/2018) | (0.268 - 0.1)/(38 - 23) | 0.0112 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (8/2/2018) | (0.414 - 0.1)/(41 - 23) | 0.0174444 |
| 0.0574 (5/25/2023) | ND<0.1 U (8/2/2018) | (0.0574 - 0.1)/(42 - 23) | -0.00224211 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(43 - 23) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (8/2/2018) | (0.126 - 0.1)/(44 - 23) | 0.0012381 |
| 0.354 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.354 - 0.1)/(45 - 23) | 0.0115455 |
| 0.08 (5/21/2024) | ND<0.1 U (8/2/2018) | (0.08 - 0.1)/(46 - 23) | -0.000869565 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(47 - 23) | -0.00208333 |
| 0.202 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.202 - 0.1)/(48 - 23) | 0.00408 |
| 0.349 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.349 - 0.1)/(49 - 23) | 0.00957692 |
| | | | |
| 0.233 (4/15/2019) | 0.363 (12/10/2018) | (0.233 - 0.363)/(25 - 24) | -0.13 |
| 0.129 (6/12/2019) | 0.363 (12/10/2018) | (0.129 - 0.363)/(26 - 24) | -0.117 |
| ND<0.1 U (8/27/2019) | 0.363 (12/10/2018) | (0.1 - 0.363)/(27 - 24) | -0.0876667 |
| ND<0.1 U (10/29/2019) | 0.363 (12/10/2018) | (0.1 - 0.363)/(28 - 24) | -0.06575 |
| 0.23 (3/30/2020) | 0.363 (12/10/2018) | (0.23 - 0.363)/(29 - 24) | -0.0266 |
| ND<0.1 U (6/16/2020) | 0.363 (12/10/2018) | (0.1 - 0.363)/(30 - 24) | -0.0438333 |
| ND<0.1 U (9/21/2020) | 0.363 (12/10/2018) | (0.1 - 0.363)/(31 - 24) | -0.0375714 |
| 0.195 (12/17/2020) | 0.363 (12/10/2018) | (0.195 - 0.363)/(32 - 24) | -0.021 |
| 0.369 (3/18/2021) | 0.363 (12/10/2018) | (0.369 - 0.363)/(33 - 24) | 0.000666667 |
| 0.207 (5/5/2021) | 0.363 (12/10/2018) | (0.207 - 0.363)/(34 - 24) | -0.0156 |
| ND<0.1 U (9/2/2021) | 0.363 (12/10/2018) | (0.1 - 0.363)/(35 - 24) | -0.0239091 |
| 0.137 (11/23/2021) | 0.363 (12/10/2018) | (0.137 - 0.363)/(36 - 24) | -0.0188333 |
| 0.2 (1/11/2022) | 0.363 (12/10/2018) | (0.2 - 0.363)/(37 - 24) | -0.0125385 |
| 0.268 (4/7/2022) | 0.363 (12/10/2018) | (0.268 - 0.363)/(38 - 24) | -0.00678571 |
| ND<0.1 U (8/2/2022) | 0.363 (12/10/2018) | (0.1 - 0.363)/(39 - 24) | -0.0175333 |
| ND<0.1 U (11/16/2022) | 0.363 (12/10/2018) | (0.1 - 0.363)/(40 - 24) | -0.0164375 |
| 0.414 (2/14/2023) | 0.363 (12/10/2018) | (0.414 - 0.363)/(41 - 24) | 0.003 |
| 0.0574 (5/25/2023) | 0.363 (12/10/2018) | (0.0574 - 0.363)/(42 - 24) | -0.0169778 |
| ND<0.1 U (8/7/2023) | 0.363 (12/10/2018) | (0.1 - 0.363)/(43 - 24) | -0.0138421 |
| 0.126 (12/12/2023) | 0.363 (12/10/2018) | (0.126 - 0.363)/(44 - 24) | -0.01185 |
| 0.354 (1/10/2024) | 0.363 (12/10/2018) | (0.354 - 0.363)/(45 - 24) | -0.000428571 |
| 0.08 (5/21/2024) | 0.363 (12/10/2018) | (0.08 - 0.363)/(46 - 24) | -0.0128636 |
| ND<0.05 U (9/16/2024) | 0.363 (12/10/2018) | (0.05 - 0.363)/(47 - 24) | -0.0136087 |
| 0.202 (12/11/2024) | 0.363 (12/10/2018) | (0.202 - 0.363)/(48 - 24) | -0.00670833 |
| 0.349 (2/18/2025) | 0.363 (12/10/2018) | (0.349 - 0.363)/(49 - 24) | -0.00056 |
| | | | |
| 0.129 (6/12/2019) | 0.233 (4/15/2019) | (0.129 - 0.233)/(26 - 25) | -0.104 |
| ND<0.1 U (8/27/2019) | 0.233 (4/15/2019) | (0.1 - 0.233)/(27 - 25) | -0.0665 |
| ND<0.1 U (10/29/2019) | 0.233 (4/15/2019) | (0.1 - 0.233)/(28 - 25) | -0.0443333 |

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|---|---|---|---|
| 0.23 (3/30/2020) | 0.233 (4/15/2019) | (0.23 - 0.233)/(29 - 25) | -0.00075 |
| ND<0.1 U (6/16/2020) | 0.233 (4/15/2019) | (0.1 - 0.233)/(30 - 25) | -0.0266 |
| ND<0.1 U (9/21/2020) | 0.233 (4/15/2019) | (0.1 - 0.233)/(31 - 25) | -0.0221667 |
| 0.195 (12/17/2020) | 0.233 (4/15/2019) | (0.195 - 0.233)/(32 - 25) | -0.00542857 |
| 0.369 (3/18/2021) | 0.233 (4/15/2019) | (0.369 - 0.233)/(33 - 25) | 0.017 |
| 0.207 (5/5/2021) | 0.233 (4/15/2019) | (0.207 - 0.233)/(34 - 25) | -0.00288889 |
| ND<0.1 U (9/2/2021) | 0.233 (4/15/2019) | (0.1 - 0.233)/(35 - 25) | -0.0133 |
| 0.137 (11/23/2021) | 0.233 (4/15/2019) | (0.137 - 0.233)/(36 - 25) | -0.00872727 |
| 0.2 (1/11/2022) | 0.233 (4/15/2019) | (0.2 - 0.233)/(37 - 25) | -0.00275 |
| 0.268 (4/7/2022) | 0.233 (4/15/2019) | (0.268 - 0.233)/(38 - 25) | 0.00269231 |
| ND<0.1 U (8/2/2022) | 0.233 (4/15/2019) | (0.1 - 0.233)/(39 - 25) | -0.0095 |
| ND<0.1 U (11/16/2022) | 0.233 (4/15/2019) | (0.1 - 0.233)/(40 - 25) | -0.00886667 |
| 0.414 (2/14/2023) | 0.233 (4/15/2019) | (0.414 - 0.233)/(41 - 25) | 0.0113125 |
| 0.0574 (5/25/2023) | 0.233 (4/15/2019) | (0.0574 - 0.233)/(42 - 25) | -0.0103294 |
| ND<0.1 U (8/7/2023) | 0.233 (4/15/2019) | (0.1 - 0.233)/(43 - 25) | -0.00738889 |
| 0.126 (12/12/2023) | 0.233 (4/15/2019) | (0.126 - 0.233)/(44 - 25) | -0.00563158 |
| 0.354 (1/10/2024) | 0.233 (4/15/2019) | (0.354 - 0.233)/(45 - 25) | 0.00605 |
| 0.08 (5/21/2024) | 0.233 (4/15/2019) | (0.08 - 0.233)/(46 - 25) | -0.00728571 |
| ND<0.05 U (9/16/2024) | 0.233 (4/15/2019) | (0.05 - 0.233)/(47 - 25) | -0.00831818 |
| 0.202 (12/11/2024) | 0.233 (4/15/2019) | (0.202 - 0.233)/(48 - 25) | -0.00134783 |
| 0.349 (2/18/2025) | 0.233 (4/15/2019) | (0.349 - 0.233)/(49 - 25) | 0.00483333 |

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|---|---|---|---|
| ND<0.1 U (8/27/2019) | 0.129 (6/12/2019) | (0.1 - 0.129)/(27 - 26) | -0.029 |
| ND<0.1 U (10/29/2019) | 0.129 (6/12/2019) | (0.1 - 0.129)/(28 - 26) | -0.0145 |
| 0.23 (3/30/2020) | 0.129 (6/12/2019) | (0.23 - 0.129)/(29 - 26) | 0.0336667 |
| ND<0.1 U (6/16/2020) | 0.129 (6/12/2019) | (0.1 - 0.129)/(30 - 26) | -0.00725 |
| ND<0.1 U (9/21/2020) | 0.129 (6/12/2019) | (0.1 - 0.129)/(31 - 26) | -0.0058 |
| 0.195 (12/17/2020) | 0.129 (6/12/2019) | (0.195 - 0.129)/(32 - 26) | 0.011 |
| 0.369 (3/18/2021) | 0.129 (6/12/2019) | (0.369 - 0.129)/(33 - 26) | 0.0342857 |
| 0.207 (5/5/2021) | 0.129 (6/12/2019) | (0.207 - 0.129)/(34 - 26) | 0.00975 |
| ND<0.1 U (9/2/2021) | 0.129 (6/12/2019) | (0.1 - 0.129)/(35 - 26) | -0.00322222 |
| 0.137 (11/23/2021) | 0.129 (6/12/2019) | (0.137 - 0.129)/(36 - 26) | 0.0008 |
| 0.2 (1/11/2022) | 0.129 (6/12/2019) | (0.2 - 0.129)/(37 - 26) | 0.00645455 |
| 0.268 (4/7/2022) | 0.129 (6/12/2019) | (0.268 - 0.129)/(38 - 26) | 0.0115833 |
| ND<0.1 U (8/2/2022) | 0.129 (6/12/2019) | (0.1 - 0.129)/(39 - 26) | -0.00223077 |
| ND<0.1 U (11/16/2022) | 0.129 (6/12/2019) | (0.1 - 0.129)/(40 - 26) | -0.00207143 |
| 0.414 (2/14/2023) | 0.129 (6/12/2019) | (0.414 - 0.129)/(41 - 26) | 0.019 |
| 0.0574 (5/25/2023) | 0.129 (6/12/2019) | (0.0574 - 0.129)/(42 - 26) | -0.004475 |
| ND<0.1 U (8/7/2023) | 0.129 (6/12/2019) | (0.1 - 0.129)/(43 - 26) | -0.00170588 |
| 0.126 (12/12/2023) | 0.129 (6/12/2019) | (0.126 - 0.129)/(44 - 26) | -0.000166667 |
| 0.354 (1/10/2024) | 0.129 (6/12/2019) | (0.354 - 0.129)/(45 - 26) | 0.0118421 |
| 0.08 (5/21/2024) | 0.129 (6/12/2019) | (0.08 - 0.129)/(46 - 26) | -0.00245 |
| ND<0.05 U (9/16/2024) | 0.129 (6/12/2019) | (0.05 - 0.129)/(47 - 26) | -0.0037619 |
| 0.202 (12/11/2024) | 0.129 (6/12/2019) | (0.202 - 0.129)/(48 - 26) | 0.00331818 |
| 0.349 (2/18/2025) | 0.129 (6/12/2019) | (0.349 - 0.129)/(49 - 26) | 0.00956522 |

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|---|---|---|---|
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(28 - 27) | 0 |
| 0.23 (3/30/2020) | ND<0.1 U (8/27/2019) | (0.23 - 0.1)/(29 - 27) | 0.065 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (8/27/2019) | (0.195 - 0.1)/(32 - 27) | 0.019 |
| 0.369 (3/18/2021) | ND<0.1 U (8/27/2019) | (0.369 - 0.1)/(33 - 27) | 0.0448333 |
| 0.207 (5/5/2021) | ND<0.1 U (8/27/2019) | (0.207 - 0.1)/(34 - 27) | 0.0152857 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(35 - 27) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (8/27/2019) | (0.137 - 0.1)/(36 - 27) | 0.00411111 |
| 0.2 (1/11/2022) | ND<0.1 U (8/27/2019) | (0.2 - 0.1)/(37 - 27) | 0.01 |
| 0.268 (4/7/2022) | ND<0.1 U (8/27/2019) | (0.268 - 0.1)/(38 - 27) | 0.0152727 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (8/27/2019) | (0.414 - 0.1)/(41 - 27) | 0.0224286 |
| 0.0574 (5/25/2023) | ND<0.1 U (8/27/2019) | (0.0574 - 0.1)/(42 - 27) | -0.00284 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (8/27/2019) | (0.126 - 0.1)/(44 - 27) | 0.00152941 |
| 0.354 (1/10/2024) | ND<0.1 U (8/27/2019) | (0.354 - 0.1)/(45 - 27) | 0.0141111 |
| 0.08 (5/21/2024) | ND<0.1 U (8/27/2019) | (0.08 - 0.1)/(46 - 27) | -0.00105263 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.202 (12/11/2024) | ND<0.1 U (8/27/2019) | (0.202 - 0.1)/(48 - 27) | 0.00485714 |
| 0.349 (2/18/2025) | ND<0.1 U (8/27/2019) | (0.349 - 0.1)/(49 - 27) | 0.0113182 |
| | | | |
| 0.23 (3/30/2020) | ND<0.1 U (10/29/2019) | (0.23 - 0.1)/(29 - 28) | 0.13 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(31 - 28) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (10/29/2019) | (0.195 - 0.1)/(32 - 28) | 0.02375 |
| 0.369 (3/18/2021) | ND<0.1 U (10/29/2019) | (0.369 - 0.1)/(33 - 28) | 0.0538 |
| 0.207 (5/5/2021) | ND<0.1 U (10/29/2019) | (0.207 - 0.1)/(34 - 28) | 0.0178333 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(35 - 28) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (10/29/2019) | (0.137 - 0.1)/(36 - 28) | 0.004625 |
| 0.2 (1/11/2022) | ND<0.1 U (10/29/2019) | (0.2 - 0.1)/(37 - 28) | 0.0111111 |
| 0.268 (4/7/2022) | ND<0.1 U (10/29/2019) | (0.268 - 0.1)/(38 - 28) | 0.0168 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(39 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(40 - 28) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (10/29/2019) | (0.414 - 0.1)/(41 - 28) | 0.0241538 |
| 0.0574 (5/25/2023) | ND<0.1 U (10/29/2019) | (0.0574 - 0.1)/(42 - 28) | -0.00304286 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(43 - 28) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (10/29/2019) | (0.126 - 0.1)/(44 - 28) | 0.001625 |
| 0.354 (1/10/2024) | ND<0.1 U (10/29/2019) | (0.354 - 0.1)/(45 - 28) | 0.0149412 |
| 0.08 (5/21/2024) | ND<0.1 U (10/29/2019) | (0.08 - 0.1)/(46 - 28) | -0.00111111 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/29/2019) | (0.05 - 0.1)/(47 - 28) | -0.00263158 |
| 0.202 (12/11/2024) | ND<0.1 U (10/29/2019) | (0.202 - 0.1)/(48 - 28) | 0.0051 |
| 0.349 (2/18/2025) | ND<0.1 U (10/29/2019) | (0.349 - 0.1)/(49 - 28) | 0.0118571 |
| | | | |
| ND<0.1 U (6/16/2020) | 0.23 (3/30/2020) | (0.1 - 0.23)/(30 - 29) | -0.13 |
| ND<0.1 U (9/21/2020) | 0.23 (3/30/2020) | (0.1 - 0.23)/(31 - 29) | -0.065 |
| 0.195 (12/17/2020) | 0.23 (3/30/2020) | (0.195 - 0.23)/(32 - 29) | -0.0116667 |
| 0.369 (3/18/2021) | 0.23 (3/30/2020) | (0.369 - 0.23)/(33 - 29) | 0.03475 |
| 0.207 (5/5/2021) | 0.23 (3/30/2020) | (0.207 - 0.23)/(34 - 29) | -0.0046 |
| ND<0.1 U (9/2/2021) | 0.23 (3/30/2020) | (0.1 - 0.23)/(35 - 29) | -0.0216667 |
| 0.137 (11/23/2021) | 0.23 (3/30/2020) | (0.137 - 0.23)/(36 - 29) | -0.0132857 |
| 0.2 (1/11/2022) | 0.23 (3/30/2020) | (0.2 - 0.23)/(37 - 29) | -0.00375 |
| 0.268 (4/7/2022) | 0.23 (3/30/2020) | (0.268 - 0.23)/(38 - 29) | 0.00422222 |
| ND<0.1 U (8/2/2022) | 0.23 (3/30/2020) | (0.1 - 0.23)/(39 - 29) | -0.013 |
| ND<0.1 U (11/16/2022) | 0.23 (3/30/2020) | (0.1 - 0.23)/(40 - 29) | -0.0118182 |
| 0.414 (2/14/2023) | 0.23 (3/30/2020) | (0.414 - 0.23)/(41 - 29) | 0.0153333 |
| 0.0574 (5/25/2023) | 0.23 (3/30/2020) | (0.0574 - 0.23)/(42 - 29) | -0.0132769 |
| ND<0.1 U (8/7/2023) | 0.23 (3/30/2020) | (0.1 - 0.23)/(43 - 29) | -0.00928571 |
| 0.126 (12/12/2023) | 0.23 (3/30/2020) | (0.126 - 0.23)/(44 - 29) | -0.00693333 |
| 0.354 (1/10/2024) | 0.23 (3/30/2020) | (0.354 - 0.23)/(45 - 29) | 0.00775 |
| 0.08 (5/21/2024) | 0.23 (3/30/2020) | (0.08 - 0.23)/(46 - 29) | -0.00882353 |
| ND<0.05 U (9/16/2024) | 0.23 (3/30/2020) | (0.05 - 0.23)/(47 - 29) | -0.01 |
| 0.202 (12/11/2024) | 0.23 (3/30/2020) | (0.202 - 0.23)/(48 - 29) | -0.00147368 |
| 0.349 (2/18/2025) | 0.23 (3/30/2020) | (0.349 - 0.23)/(49 - 29) | 0.00595 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| 0.195 (12/17/2020) | ND<0.1 U (6/16/2020) | (0.195 - 0.1)/(32 - 30) | 0.0475 |

| | | | |
|---|---|---|---|
| 0.369 (3/18/2021) | ND<0.1 U (6/16/2020) | (0.369 - 0.1)/(33 - 30) | 0.0896667 |
| 0.207 (5/5/2021) | ND<0.1 U (6/16/2020) | (0.207 - 0.1)/(34 - 30) | 0.02675 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (6/16/2020) | (0.137 - 0.1)/(36 - 30) | 0.00616667 |
| 0.2 (1/11/2022) | ND<0.1 U (6/16/2020) | (0.2 - 0.1)/(37 - 30) | 0.0142857 |
| 0.268 (4/7/2022) | ND<0.1 U (6/16/2020) | (0.268 - 0.1)/(38 - 30) | 0.021 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (6/16/2020) | (0.414 - 0.1)/(41 - 30) | 0.0285455 |
| 0.0574 (5/25/2023) | ND<0.1 U (6/16/2020) | (0.0574 - 0.1)/(42 - 30) | -0.00355 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(43 - 30) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (6/16/2020) | (0.126 - 0.1)/(44 - 30) | 0.00185714 |
| 0.354 (1/10/2024) | ND<0.1 U (6/16/2020) | (0.354 - 0.1)/(45 - 30) | 0.0169333 |
| 0.08 (5/21/2024) | ND<0.1 U (6/16/2020) | (0.08 - 0.1)/(46 - 30) | -0.00125 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/16/2020) | (0.05 - 0.1)/(47 - 30) | -0.00294118 |
| 0.202 (12/11/2024) | ND<0.1 U (6/16/2020) | (0.202 - 0.1)/(48 - 30) | 0.00566667 |
| 0.349 (2/18/2025) | ND<0.1 U (6/16/2020) | (0.349 - 0.1)/(49 - 30) | 0.0131053 |
| | | | |
| 0.195 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.195 - 0.1)/(32 - 31) | 0.095 |
| 0.369 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.369 - 0.1)/(33 - 31) | 0.1345 |
| 0.207 (5/5/2021) | ND<0.1 U (9/21/2020) | (0.207 - 0.1)/(34 - 31) | 0.0356667 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| 0.137 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.137 - 0.1)/(36 - 31) | 0.0074 |
| 0.2 (1/11/2022) | ND<0.1 U (9/21/2020) | (0.2 - 0.1)/(37 - 31) | 0.0166667 |
| 0.268 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.268 - 0.1)/(38 - 31) | 0.024 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (9/21/2020) | (0.414 - 0.1)/(41 - 31) | 0.0314 |
| 0.0574 (5/25/2023) | ND<0.1 U (9/21/2020) | (0.0574 - 0.1)/(42 - 31) | -0.00387273 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(43 - 31) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.126 - 0.1)/(44 - 31) | 0.002 |
| 0.354 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.354 - 0.1)/(45 - 31) | 0.0181429 |
| 0.08 (5/21/2024) | ND<0.1 U (9/21/2020) | (0.08 - 0.1)/(46 - 31) | -0.00133333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(47 - 31) | -0.003125 |
| 0.202 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.202 - 0.1)/(48 - 31) | 0.006 |
| 0.349 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.349 - 0.1)/(49 - 31) | 0.0138333 |
| | | | |
| 0.369 (3/18/2021) | 0.195 (12/17/2020) | (0.369 - 0.195)/(33 - 32) | 0.174 |
| 0.207 (5/5/2021) | 0.195 (12/17/2020) | (0.207 - 0.195)/(34 - 32) | 0.006 |
| ND<0.1 U (9/2/2021) | 0.195 (12/17/2020) | (0.1 - 0.195)/(35 - 32) | -0.0316667 |
| 0.137 (11/23/2021) | 0.195 (12/17/2020) | (0.137 - 0.195)/(36 - 32) | -0.0145 |
| 0.2 (1/11/2022) | 0.195 (12/17/2020) | (0.2 - 0.195)/(37 - 32) | 0.001 |
| 0.268 (4/7/2022) | 0.195 (12/17/2020) | (0.268 - 0.195)/(38 - 32) | 0.0121667 |
| ND<0.1 U (8/2/2022) | 0.195 (12/17/2020) | (0.1 - 0.195)/(39 - 32) | -0.0135714 |
| ND<0.1 U (11/16/2022) | 0.195 (12/17/2020) | (0.1 - 0.195)/(40 - 32) | -0.011875 |
| 0.414 (2/14/2023) | 0.195 (12/17/2020) | (0.414 - 0.195)/(41 - 32) | 0.0243333 |
| 0.0574 (5/25/2023) | 0.195 (12/17/2020) | (0.0574 - 0.195)/(42 - 32) | -0.01376 |
| ND<0.1 U (8/7/2023) | 0.195 (12/17/2020) | (0.1 - 0.195)/(43 - 32) | -0.00863636 |
| 0.126 (12/12/2023) | 0.195 (12/17/2020) | (0.126 - 0.195)/(44 - 32) | -0.00575 |
| 0.354 (1/10/2024) | 0.195 (12/17/2020) | (0.354 - 0.195)/(45 - 32) | 0.0122308 |
| 0.08 (5/21/2024) | 0.195 (12/17/2020) | (0.08 - 0.195)/(46 - 32) | -0.00821429 |
| ND<0.05 U (9/16/2024) | 0.195 (12/17/2020) | (0.05 - 0.195)/(47 - 32) | -0.00966667 |
| 0.202 (12/11/2024) | 0.195 (12/17/2020) | (0.202 - 0.195)/(48 - 32) | 0.0004375 |
| 0.349 (2/18/2025) | 0.195 (12/17/2020) | (0.349 - 0.195)/(49 - 32) | 0.00905882 |
| | | | |
| 0.207 (5/5/2021) | 0.369 (3/18/2021) | (0.207 - 0.369)/(34 - 33) | -0.162 |
| ND<0.1 U (9/2/2021) | 0.369 (3/18/2021) | (0.1 - 0.369)/(35 - 33) | -0.1345 |

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|---|---|---|---|
| 0.137 (11/23/2021) | 0.369 (3/18/2021) | (0.137 - 0.369)/(36 - 33) | -0.0773333 |
| 0.2 (1/11/2022) | 0.369 (3/18/2021) | (0.2 - 0.369)/(37 - 33) | -0.04225 |
| 0.268 (4/7/2022) | 0.369 (3/18/2021) | (0.268 - 0.369)/(38 - 33) | -0.0202 |
| ND<0.1 U (8/2/2022) | 0.369 (3/18/2021) | (0.1 - 0.369)/(39 - 33) | -0.0448333 |
| ND<0.1 U (11/16/2022) | 0.369 (3/18/2021) | (0.1 - 0.369)/(40 - 33) | -0.0384286 |
| 0.414 (2/14/2023) | 0.369 (3/18/2021) | (0.414 - 0.369)/(41 - 33) | 0.005625 |
| 0.0574 (5/25/2023) | 0.369 (3/18/2021) | (0.0574 - 0.369)/(42 - 33) | -0.0346222 |
| ND<0.1 U (8/7/2023) | 0.369 (3/18/2021) | (0.1 - 0.369)/(43 - 33) | -0.0269 |
| 0.126 (12/12/2023) | 0.369 (3/18/2021) | (0.126 - 0.369)/(44 - 33) | -0.0220909 |
| 0.354 (1/10/2024) | 0.369 (3/18/2021) | (0.354 - 0.369)/(45 - 33) | -0.00125 |
| 0.08 (5/21/2024) | 0.369 (3/18/2021) | (0.08 - 0.369)/(46 - 33) | -0.0222308 |
| ND<0.05 U (9/16/2024) | 0.369 (3/18/2021) | (0.05 - 0.369)/(47 - 33) | -0.0227857 |
| 0.202 (12/11/2024) | 0.369 (3/18/2021) | (0.202 - 0.369)/(48 - 33) | -0.0111333 |
| 0.349 (2/18/2025) | 0.369 (3/18/2021) | (0.349 - 0.369)/(49 - 33) | -0.00125 |
| | | | |
| ND<0.1 U (9/2/2021) | 0.207 (5/5/2021) | (0.1 - 0.207)/(35 - 34) | -0.107 |
| 0.137 (11/23/2021) | 0.207 (5/5/2021) | (0.137 - 0.207)/(36 - 34) | -0.035 |
| 0.2 (1/11/2022) | 0.207 (5/5/2021) | (0.2 - 0.207)/(37 - 34) | -0.00233333 |
| 0.268 (4/7/2022) | 0.207 (5/5/2021) | (0.268 - 0.207)/(38 - 34) | 0.01525 |
| ND<0.1 U (8/2/2022) | 0.207 (5/5/2021) | (0.1 - 0.207)/(39 - 34) | -0.0214 |
| ND<0.1 U (11/16/2022) | 0.207 (5/5/2021) | (0.1 - 0.207)/(40 - 34) | -0.0178333 |
| 0.414 (2/14/2023) | 0.207 (5/5/2021) | (0.414 - 0.207)/(41 - 34) | 0.0295714 |
| 0.0574 (5/25/2023) | 0.207 (5/5/2021) | (0.0574 - 0.207)/(42 - 34) | -0.0187 |
| ND<0.1 U (8/7/2023) | 0.207 (5/5/2021) | (0.1 - 0.207)/(43 - 34) | -0.0118889 |
| 0.126 (12/12/2023) | 0.207 (5/5/2021) | (0.126 - 0.207)/(44 - 34) | -0.0081 |
| 0.354 (1/10/2024) | 0.207 (5/5/2021) | (0.354 - 0.207)/(45 - 34) | 0.0133636 |
| 0.08 (5/21/2024) | 0.207 (5/5/2021) | (0.08 - 0.207)/(46 - 34) | -0.0105833 |
| ND<0.05 U (9/16/2024) | 0.207 (5/5/2021) | (0.05 - 0.207)/(47 - 34) | -0.0120769 |
| 0.202 (12/11/2024) | 0.207 (5/5/2021) | (0.202 - 0.207)/(48 - 34) | -0.000357143 |
| 0.349 (2/18/2025) | 0.207 (5/5/2021) | (0.349 - 0.207)/(49 - 34) | 0.00946667 |
| | | | |
| 0.137 (11/23/2021) | ND<0.1 U (9/2/2021) | (0.137 - 0.1)/(36 - 35) | 0.037 |
| 0.2 (1/11/2022) | ND<0.1 U (9/2/2021) | (0.2 - 0.1)/(37 - 35) | 0.05 |
| 0.268 (4/7/2022) | ND<0.1 U (9/2/2021) | (0.268 - 0.1)/(38 - 35) | 0.056 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 35) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (9/2/2021) | (0.414 - 0.1)/(41 - 35) | 0.0523333 |
| 0.0574 (5/25/2023) | ND<0.1 U (9/2/2021) | (0.0574 - 0.1)/(42 - 35) | -0.00608571 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(43 - 35) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (9/2/2021) | (0.126 - 0.1)/(44 - 35) | 0.00288889 |
| 0.354 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.354 - 0.1)/(45 - 35) | 0.0254 |
| 0.08 (5/21/2024) | ND<0.1 U (9/2/2021) | (0.08 - 0.1)/(46 - 35) | -0.00181818 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/2/2021) | (0.05 - 0.1)/(47 - 35) | -0.00416667 |
| 0.202 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.202 - 0.1)/(48 - 35) | 0.00784615 |
| 0.349 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.349 - 0.1)/(49 - 35) | 0.0177857 |
| | | | |
| 0.2 (1/11/2022) | 0.137 (11/23/2021) | (0.2 - 0.137)/(37 - 36) | 0.063 |
| 0.268 (4/7/2022) | 0.137 (11/23/2021) | (0.268 - 0.137)/(38 - 36) | 0.0655 |
| ND<0.1 U (8/2/2022) | 0.137 (11/23/2021) | (0.1 - 0.137)/(39 - 36) | -0.0123333 |
| ND<0.1 U (11/16/2022) | 0.137 (11/23/2021) | (0.1 - 0.137)/(40 - 36) | -0.00925 |
| 0.414 (2/14/2023) | 0.137 (11/23/2021) | (0.414 - 0.137)/(41 - 36) | 0.0554 |
| 0.0574 (5/25/2023) | 0.137 (11/23/2021) | (0.0574 - 0.137)/(42 - 36) | -0.0132667 |
| ND<0.1 U (8/7/2023) | 0.137 (11/23/2021) | (0.1 - 0.137)/(43 - 36) | -0.00528571 |
| 0.126 (12/12/2023) | 0.137 (11/23/2021) | (0.126 - 0.137)/(44 - 36) | -0.001375 |
| 0.354 (1/10/2024) | 0.137 (11/23/2021) | (0.354 - 0.137)/(45 - 36) | 0.0241111 |
| 0.08 (5/21/2024) | 0.137 (11/23/2021) | (0.08 - 0.137)/(46 - 36) | -0.0057 |
| ND<0.05 U (9/16/2024) | 0.137 (11/23/2021) | (0.05 - 0.137)/(47 - 36) | -0.00790909 |

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|---|---|---|---|
| 0.202 (12/11/2024) | 0.137 (11/23/2021) | (0.202 - 0.137)/(48 - 36) | 0.00541667 |
| 0.349 (2/18/2025) | 0.137 (11/23/2021) | (0.349 - 0.137)/(49 - 36) | 0.0163077 |
| | | | |
| 0.268 (4/7/2022) | 0.2 (1/11/2022) | (0.268 - 0.2)/(38 - 37) | 0.068 |
| ND<0.1 U (8/2/2022) | 0.2 (1/11/2022) | (0.1 - 0.2)/(39 - 37) | -0.05 |
| ND<0.1 U (11/16/2022) | 0.2 (1/11/2022) | (0.1 - 0.2)/(40 - 37) | -0.0333333 |
| 0.414 (2/14/2023) | 0.2 (1/11/2022) | (0.414 - 0.2)/(41 - 37) | 0.0535 |
| 0.0574 (5/25/2023) | 0.2 (1/11/2022) | (0.0574 - 0.2)/(42 - 37) | -0.02852 |
| ND<0.1 U (8/7/2023) | 0.2 (1/11/2022) | (0.1 - 0.2)/(43 - 37) | -0.0166667 |
| 0.126 (12/12/2023) | 0.2 (1/11/2022) | (0.126 - 0.2)/(44 - 37) | -0.0105714 |
| 0.354 (1/10/2024) | 0.2 (1/11/2022) | (0.354 - 0.2)/(45 - 37) | 0.01925 |
| 0.08 (5/21/2024) | 0.2 (1/11/2022) | (0.08 - 0.2)/(46 - 37) | -0.0133333 |
| ND<0.05 U (9/16/2024) | 0.2 (1/11/2022) | (0.05 - 0.2)/(47 - 37) | -0.015 |
| 0.202 (12/11/2024) | 0.2 (1/11/2022) | (0.202 - 0.2)/(48 - 37) | 0.000181818 |
| 0.349 (2/18/2025) | 0.2 (1/11/2022) | (0.349 - 0.2)/(49 - 37) | 0.0124167 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.268 (4/7/2022) | (0.1 - 0.268)/(39 - 38) | -0.168 |
| ND<0.1 U (11/16/2022) | 0.268 (4/7/2022) | (0.1 - 0.268)/(40 - 38) | -0.084 |
| 0.414 (2/14/2023) | 0.268 (4/7/2022) | (0.414 - 0.268)/(41 - 38) | 0.0486667 |
| 0.0574 (5/25/2023) | 0.268 (4/7/2022) | (0.0574 - 0.268)/(42 - 38) | -0.05265 |
| ND<0.1 U (8/7/2023) | 0.268 (4/7/2022) | (0.1 - 0.268)/(43 - 38) | -0.0336 |
| 0.126 (12/12/2023) | 0.268 (4/7/2022) | (0.126 - 0.268)/(44 - 38) | -0.0236667 |
| 0.354 (1/10/2024) | 0.268 (4/7/2022) | (0.354 - 0.268)/(45 - 38) | 0.0122857 |
| 0.08 (5/21/2024) | 0.268 (4/7/2022) | (0.08 - 0.268)/(46 - 38) | -0.0235 |
| ND<0.05 U (9/16/2024) | 0.268 (4/7/2022) | (0.05 - 0.268)/(47 - 38) | -0.0242222 |
| 0.202 (12/11/2024) | 0.268 (4/7/2022) | (0.202 - 0.268)/(48 - 38) | -0.0066 |
| 0.349 (2/18/2025) | 0.268 (4/7/2022) | (0.349 - 0.268)/(49 - 38) | 0.00736364 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| 0.414 (2/14/2023) | ND<0.1 U (8/2/2022) | (0.414 - 0.1)/(41 - 39) | 0.157 |
| 0.0574 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0574 - 0.1)/(42 - 39) | -0.0142 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(43 - 39) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.126 - 0.1)/(44 - 39) | 0.0052 |
| 0.354 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.354 - 0.1)/(45 - 39) | 0.0423333 |
| 0.08 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.08 - 0.1)/(46 - 39) | -0.00285714 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(47 - 39) | -0.00625 |
| 0.202 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.202 - 0.1)/(48 - 39) | 0.0113333 |
| 0.349 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.349 - 0.1)/(49 - 39) | 0.0249 |
| | | | |
| 0.414 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.414 - 0.1)/(41 - 40) | 0.314 |
| 0.0574 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0574 - 0.1)/(42 - 40) | -0.0213 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| 0.126 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.126 - 0.1)/(44 - 40) | 0.0065 |
| 0.354 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.354 - 0.1)/(45 - 40) | 0.0508 |
| 0.08 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.08 - 0.1)/(46 - 40) | -0.00333333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(47 - 40) | -0.00714286 |
| 0.202 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.202 - 0.1)/(48 - 40) | 0.01275 |
| 0.349 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.349 - 0.1)/(49 - 40) | 0.0276667 |
| | | | |
| 0.0574 (5/25/2023) | 0.414 (2/14/2023) | (0.0574 - 0.414)/(42 - 41) | -0.3566 |
| ND<0.1 U (8/7/2023) | 0.414 (2/14/2023) | (0.1 - 0.414)/(43 - 41) | -0.157 |
| 0.126 (12/12/2023) | 0.414 (2/14/2023) | (0.126 - 0.414)/(44 - 41) | -0.096 |
| 0.354 (1/10/2024) | 0.414 (2/14/2023) | (0.354 - 0.414)/(45 - 41) | -0.015 |
| 0.08 (5/21/2024) | 0.414 (2/14/2023) | (0.08 - 0.414)/(46 - 41) | -0.0668 |
| ND<0.05 U (9/16/2024) | 0.414 (2/14/2023) | (0.05 - 0.414)/(47 - 41) | -0.0606667 |
| 0.202 (12/11/2024) | 0.414 (2/14/2023) | (0.202 - 0.414)/(48 - 41) | -0.0302857 |
| 0.349 (2/18/2025) | 0.414 (2/14/2023) | (0.349 - 0.414)/(49 - 41) | -0.008125 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/7/2023) | 0.0574 (5/25/2023) | (0.1 - 0.0574)/(43 - 42) | 0.0426 |
| 0.126 (12/12/2023) | 0.0574 (5/25/2023) | (0.126 - 0.0574)/(44 - 42) | 0.0343 |
| 0.354 (1/10/2024) | 0.0574 (5/25/2023) | (0.354 - 0.0574)/(45 - 42) | 0.0988667 |
| 0.08 (5/21/2024) | 0.0574 (5/25/2023) | (0.08 - 0.0574)/(46 - 42) | 0.00565 |
| ND<0.05 U (9/16/2024) | 0.0574 (5/25/2023) | (0.05 - 0.0574)/(47 - 42) | -0.00148 |
| 0.202 (12/11/2024) | 0.0574 (5/25/2023) | (0.202 - 0.0574)/(48 - 42) | 0.0241 |
| 0.349 (2/18/2025) | 0.0574 (5/25/2023) | (0.349 - 0.0574)/(49 - 42) | 0.0416571 |
| | | | |
| 0.126 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.126 - 0.1)/(44 - 43) | 0.026 |
| 0.354 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.354 - 0.1)/(45 - 43) | 0.127 |
| 0.08 (5/21/2024) | ND<0.1 U (8/7/2023) | (0.08 - 0.1)/(46 - 43) | -0.00666667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.202 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.202 - 0.1)/(48 - 43) | 0.0204 |
| 0.349 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.349 - 0.1)/(49 - 43) | 0.0415 |
| | | | |
| 0.354 (1/10/2024) | 0.126 (12/12/2023) | (0.354 - 0.126)/(45 - 44) | 0.228 |
| 0.08 (5/21/2024) | 0.126 (12/12/2023) | (0.08 - 0.126)/(46 - 44) | -0.023 |
| ND<0.05 U (9/16/2024) | 0.126 (12/12/2023) | (0.05 - 0.126)/(47 - 44) | -0.0253333 |
| 0.202 (12/11/2024) | 0.126 (12/12/2023) | (0.202 - 0.126)/(48 - 44) | 0.019 |
| 0.349 (2/18/2025) | 0.126 (12/12/2023) | (0.349 - 0.126)/(49 - 44) | 0.0446 |
| | | | |
| 0.08 (5/21/2024) | 0.354 (1/10/2024) | (0.08 - 0.354)/(46 - 45) | -0.274 |
| ND<0.05 U (9/16/2024) | 0.354 (1/10/2024) | (0.05 - 0.354)/(47 - 45) | -0.152 |
| 0.202 (12/11/2024) | 0.354 (1/10/2024) | (0.202 - 0.354)/(48 - 45) | -0.0506667 |
| 0.349 (2/18/2025) | 0.354 (1/10/2024) | (0.349 - 0.354)/(49 - 45) | -0.00125 |
| | | | |
| ND<0.05 U (9/16/2024) | 0.08 (5/21/2024) | (0.05 - 0.08)/(47 - 46) | -0.03 |
| 0.202 (12/11/2024) | 0.08 (5/21/2024) | (0.202 - 0.08)/(48 - 46) | 0.061 |
| 0.349 (2/18/2025) | 0.08 (5/21/2024) | (0.349 - 0.08)/(49 - 46) | 0.0896667 |
| | | | |
| 0.202 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.202 - 0.05)/(48 - 47) | 0.152 |
| 0.349 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.349 - 0.05)/(49 - 47) | 0.1495 |
| | | | |
| 0.349 (2/18/2025) | 0.202 (12/11/2024) | (0.349 - 0.202)/(49 - 48) | 0.147 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.38 |
| 2 | -0.3566 |
| 3 | -0.274 |
| 4 | -0.259 |
| 5 | -0.23 |
| 6 | -0.2 |
| 7 | -0.19 |
| 8 | -0.168 |
| 9 | -0.162 |
| 10 | -0.157 |
| 11 | -0.152 |
| 12 | -0.14 |
| 13 | -0.1345 |
| 14 | -0.13 |
| 15 | -0.13 |
| 16 | -0.1295 |

| | |
|---|---|
| 17 | -0.123333 |
| 18 | -0.117 |
| 19 | -0.115 |
| 20 | -0.107 |
| 21 | -0.104 |
| 22 | -0.1 |
| 23 | -0.1 |
| 24 | -0.096 |
| 25 | -0.0933333 |
| 26 | -0.0876667 |
| 27 | -0.084 |
| 28 | -0.08 |
| 29 | -0.08 |
| 30 | -0.0773333 |
| 31 | -0.0766667 |
| 32 | -0.07 |
| 33 | -0.0675 |
| 34 | -0.0668 |
| 35 | -0.0665 |
| 36 | -0.06575 |
| 37 | -0.065 |
| 38 | -0.0633333 |
| 39 | -0.0633333 |
| 40 | -0.0606667 |
| 41 | -0.06 |
| 42 | -0.056 |
| 43 | -0.055 |
| 44 | -0.05265 |
| 45 | -0.0506667 |
| 46 | -0.05 |
| 47 | -0.0466667 |
| 48 | -0.046 |
| 49 | -0.046 |
| 50 | -0.045 |
| 51 | -0.0448333 |
| 52 | -0.0443333 |
| 53 | -0.0438333 |
| 54 | -0.0431667 |
| 55 | -0.04225 |
| 56 | -0.0422222 |
| 57 | -0.04 |
| 58 | -0.04 |
| 59 | -0.0384286 |
| 60 | -0.0383333 |
| 61 | -0.038 |
| 62 | -0.0375714 |
| 63 | -0.037 |
| 64 | -0.035 |
| 65 | -0.035 |
| 66 | -0.035 |
| 67 | -0.0346222 |
| 68 | -0.0336364 |
| 69 | -0.0336 |
| 70 | -0.0333333 |
| 71 | -0.0333333 |
| 72 | -0.032 |
| 73 | -0.0316667 |

| | |
|---|---|
| 74 | -0.0315 |
| 75 | -0.0302857 |
| 76 | -0.03 |
| 77 | -0.03 |
| 78 | -0.0292308 |
| 79 | -0.029 |
| 80 | -0.0287778 |
| 81 | -0.0285714 |
| 82 | -0.02852 |
| 83 | -0.028 |
| 84 | -0.0271429 |
| 85 | -0.0269 |
| 86 | -0.0266667 |
| 87 | -0.0266 |
| 88 | -0.0266 |
| 89 | -0.0259 |
| 90 | -0.0254545 |
| 91 | -0.0253333 |
| 92 | -0.0253333 |
| 93 | -0.025 |
| 94 | -0.0242222 |
| 95 | -0.0239091 |
| 96 | -0.0236667 |
| 97 | -0.0235 |
| 98 | -0.023 |
| 99 | -0.023 |
| 100 | -0.0227857 |
| 101 | -0.0225 |
| 102 | -0.0223529 |
| 103 | -0.0223333 |
| 104 | -0.0222308 |
| 105 | -0.0222222 |
| 106 | -0.0221667 |
| 107 | -0.0220909 |
| 108 | -0.0216667 |
| 109 | -0.0214286 |
| 110 | -0.0214 |
| 111 | -0.0213 |
| 112 | -0.0211111 |
| 113 | -0.021 |
| 114 | -0.0209091 |
| 115 | -0.0202 |
| 116 | -0.02 |
| 117 | -0.02 |
| 118 | -0.02 |
| 119 | -0.0188333 |
| 120 | -0.0187 |
| 121 | -0.0186667 |
| 122 | -0.0185 |
| 123 | -0.018 |
| 124 | -0.0179286 |
| 125 | -0.0178333 |
| 126 | -0.0177778 |
| 127 | -0.0176923 |
| 128 | -0.0175333 |
| 129 | -0.0175 |
| 130 | -0.0175 |

| | |
|---|---|
| 131 | -0.0172727 |
| 132 | -0.0169778 |
| 133 | -0.0167143 |
| 134 | -0.0166667 |
| 135 | -0.0165217 |
| 136 | -0.0164375 |
| 137 | -0.0164286 |
| 138 | -0.016125 |
| 139 | -0.016 |
| 140 | -0.0156 |
| 141 | -0.0155556 |
| 142 | -0.0152 |
| 143 | -0.015 |
| 144 | -0.015 |
| 145 | -0.015 |
| 146 | -0.015 |
| 147 | -0.0149091 |
| 148 | -0.0148 |
| 149 | -0.0147368 |
| 150 | -0.0146154 |
| 151 | -0.0145455 |
| 152 | -0.0145 |
| 153 | -0.0145 |
| 154 | -0.0143889 |
| 155 | -0.0143619 |
| 156 | -0.0142857 |
| 157 | -0.0142857 |
| 158 | -0.0142 |
| 159 | -0.014 |
| 160 | -0.0138421 |
| 161 | -0.01376 |
| 162 | -0.0136316 |
| 163 | -0.0136087 |
| 164 | -0.0135714 |
| 165 | -0.0133333 |
| 166 | -0.0133333 |
| 167 | -0.0133 |
| 168 | -0.0132857 |
| 169 | -0.0132769 |
| 170 | -0.0132667 |
| 171 | -0.0131538 |
| 172 | -0.013 |
| 173 | -0.0128636 |
| 174 | -0.0127778 |
| 175 | -0.0126667 |
| 176 | -0.0125385 |
| 177 | -0.0125 |
| 178 | -0.0125 |
| 179 | -0.0125 |
| 180 | -0.01235 |
| 181 | -0.0123333 |
| 182 | -0.0123077 |
| 183 | -0.0121739 |
| 184 | -0.012125 |
| 185 | -0.0120769 |
| 186 | -0.0118889 |
| 187 | -0.0118846 |

| | |
|---|---|
| 188 | -0.011875 |
| 189 | -0.01185 |
| 190 | -0.0118182 |
| 191 | -0.0117727 |
| 192 | -0.0117647 |
| 193 | -0.0116923 |
| 194 | -0.0116667 |
| 195 | -0.0114286 |
| 196 | -0.0114286 |
| 197 | -0.0114216 |
| 198 | -0.0113077 |
| 199 | -0.0111765 |
| 200 | -0.01116 |
| 201 | -0.0111333 |
| 202 | -0.0111111 |
| 203 | -0.0111111 |
| 204 | -0.0110645 |
| 205 | -0.010904 |
| 206 | -0.0108571 |
| 207 | -0.0107533 |
| 208 | -0.0105833 |
| 209 | -0.0105714 |
| 210 | -0.0105556 |
| 211 | -0.0104545 |
| 212 | -0.0104167 |
| 213 | -0.0103704 |
| 214 | -0.0103294 |
| 215 | -0.0102381 |
| 216 | -0.0101579 |
| 217 | -0.0101304 |
| 218 | -0.010125 |
| 219 | -0.01 |
| 220 | -0.01 |
| 221 | -0.01 |
| 222 | -0.01 |
| 223 | -0.01 |
| 224 | -0.01 |
| 225 | -0.01 |
| 226 | -0.0099375 |
| 227 | -0.0097561 |
| 228 | -0.00966667 |
| 229 | -0.0095 |
| 230 | -0.00942857 |
| 231 | -0.00941379 |
| 232 | -0.00933333 |
| 233 | -0.00928571 |
| 234 | -0.00925 |
| 235 | -0.00925 |
| 236 | -0.00909091 |
| 237 | -0.00907692 |
| 238 | -0.00903226 |
| 239 | -0.009 |
| 240 | -0.009 |
| 241 | -0.00888889 |
| 242 | -0.00886667 |
| 243 | -0.00884615 |
| 244 | -0.00882353 |

| | |
|---|---|
| 245 | -0.00882353 |
| 246 | -0.00882353 |
| 247 | -0.00875 |
| 248 | -0.00872727 |
| 249 | -0.00863636 |
| 250 | -0.00862069 |
| 251 | -0.00842105 |
| 252 | -0.00836552 |
| 253 | -0.00833333 |
| 254 | -0.00833333 |
| 255 | -0.00831818 |
| 256 | -0.00821429 |
| 257 | -0.008125 |
| 258 | -0.0081 |
| 259 | -0.0079375 |
| 260 | -0.00790909 |
| 261 | -0.00786364 |
| 262 | -0.00777778 |
| 263 | -0.00770588 |
| 264 | -0.00769231 |
| 265 | -0.00769231 |
| 266 | -0.00761905 |
| 267 | -0.0075625 |
| 268 | -0.00755556 |
| 269 | -0.00740741 |
| 270 | -0.00738889 |
| 271 | -0.00735294 |
| 272 | -0.00728571 |
| 273 | -0.00727273 |
| 274 | -0.00725 |
| 275 | -0.00723529 |
| 276 | -0.0072 |
| 277 | -0.00714286 |
| 278 | -0.00708696 |
| 279 | -0.00693333 |
| 280 | -0.00692308 |
| 281 | -0.00678571 |
| 282 | -0.00670833 |
| 283 | -0.00666667 |
| 284 | -0.00666667 |
| 285 | -0.00666667 |
| 286 | -0.0066 |
| 287 | -0.0065 |
| 288 | -0.00646512 |
| 289 | -0.00642857 |
| 290 | -0.00642424 |
| 291 | -0.00625 |
| 292 | -0.00615789 |
| 293 | -0.00615385 |
| 294 | -0.00613939 |
| 295 | -0.00608571 |
| 296 | -0.00588235 |
| 297 | -0.00583333 |
| 298 | -0.00581481 |
| 299 | -0.0058 |
| 300 | -0.00575 |
| 301 | -0.0057 |

| | |
|---|---|
| 302 | -0.00563158 |
| 303 | -0.0056129 |
| 304 | -0.00558333 |
| 305 | -0.00555556 |
| 306 | -0.00552632 |
| 307 | -0.00552632 |
| 308 | -0.00542857 |
| 309 | -0.00538462 |
| 310 | -0.00535294 |
| 311 | -0.00533333 |
| 312 | -0.00533333 |
| 313 | -0.00529412 |
| 314 | -0.00528571 |
| 315 | -0.00516129 |
| 316 | -0.005 |
| 317 | -0.005 |
| 318 | -0.005 |
| 319 | -0.00494444 |
| 320 | -0.00486486 |
| 321 | -0.0047619 |
| 322 | -0.00473684 |
| 323 | -0.00470588 |
| 324 | -0.0046 |
| 325 | -0.00455556 |
| 326 | -0.004475 |
| 327 | -0.00445625 |
| 328 | -0.0044375 |
| 329 | -0.00442857 |
| 330 | -0.004375 |
| 331 | -0.004375 |
| 332 | -0.00430769 |
| 333 | -0.00428571 |
| 334 | -0.00428571 |
| 335 | -0.00416667 |
| 336 | -0.00416667 |
| 337 | -0.00412903 |
| 338 | -0.00411765 |
| 339 | -0.00409091 |
| 340 | -0.00405405 |
| 341 | -0.004 |
| 342 | -0.00396429 |
| 343 | -0.00388889 |
| 344 | -0.00387273 |
| 345 | -0.00382857 |
| 346 | -0.0037619 |
| 347 | -0.00375 |
| 348 | -0.00355 |
| 349 | -0.0035 |
| 350 | -0.00346154 |
| 351 | -0.00344828 |
| 352 | -0.00333333 |
| 353 | -0.00333333 |
| 354 | -0.00333333 |
| 355 | -0.00333333 |
| 356 | -0.00333333 |
| 357 | -0.00333333 |
| 358 | -0.00333333 |

| | |
|---|---|
| 359 | -0.00323415 |
| 360 | -0.00322222 |
| 361 | -0.00315 |
| 362 | -0.003125 |
| 363 | -0.00310345 |
| 364 | -0.00304348 |
| 365 | -0.00304286 |
| 366 | -0.0030303 |
| 367 | -0.003 |
| 368 | -0.00297727 |
| 369 | -0.00295238 |
| 370 | -0.00294118 |
| 371 | -0.00288889 |
| 372 | -0.00285714 |
| 373 | -0.00284 |
| 374 | -0.00282609 |
| 375 | -0.002815 |
| 376 | -0.0028 |
| 377 | -0.0028 |
| 378 | -0.00275 |
| 379 | -0.00269231 |
| 380 | -0.00266667 |
| 381 | -0.00264706 |
| 382 | -0.00263158 |
| 383 | -0.0025 |
| 384 | -0.0025 |
| 385 | -0.0025 |
| 386 | -0.00245 |
| 387 | -0.00244444 |
| 388 | -0.00244 |
| 389 | -0.00242308 |
| 390 | -0.00241379 |
| 391 | -0.00236842 |
| 392 | -0.00233333 |
| 393 | -0.00233333 |
| 394 | -0.00230769 |
| 395 | -0.00224211 |
| 396 | -0.00223077 |
| 397 | -0.00217647 |
| 398 | -0.00214286 |
| 399 | -0.00214286 |
| 400 | -0.00213 |
| 401 | -0.00212121 |
| 402 | -0.00212 |
| 403 | -0.00208333 |
| 404 | -0.00207143 |
| 405 | -0.00204545 |
| 406 | -0.00202308 |
| 407 | -0.002 |
| 408 | -0.00193636 |
| 409 | -0.00193548 |
| 410 | -0.00189189 |
| 411 | -0.00185217 |
| 412 | -0.00185185 |
| 413 | -0.00184211 |
| 414 | -0.00183333 |
| 415 | -0.00181818 |

| | |
|---|---|
| 416 | -0.00178571 |
| 417 | -0.001775 |
| 418 | -0.00172414 |
| 419 | -0.00170833 |
| 420 | -0.00170732 |
| 421 | -0.00170588 |
| 422 | -0.0016875 |
| 423 | -0.00166667 |
| 424 | -0.00166667 |
| 425 | -0.00157778 |
| 426 | -0.0015625 |
| 427 | -0.00154706 |
| 428 | -0.00153846 |
| 429 | -0.00152143 |
| 430 | -0.00151515 |
| 431 | -0.00151429 |
| 432 | -0.0015 |
| 433 | -0.00148837 |
| 434 | -0.00148718 |
| 435 | -0.00148 |
| 436 | -0.00147368 |
| 437 | -0.00142857 |
| 438 | -0.00142857 |
| 439 | -0.00141667 |
| 440 | -0.00138889 |
| 441 | -0.001375 |
| 442 | -0.00137419 |
| 443 | -0.00134783 |
| 444 | -0.00133333 |
| 445 | -0.00128 |
| 446 | -0.00125 |
| 447 | -0.00125 |
| 448 | -0.00125 |
| 449 | -0.00125 |
| 450 | -0.00125 |
| 451 | -0.00121951 |
| 452 | -0.00121714 |
| 453 | -0.00118333 |
| 454 | -0.00116279 |
| 455 | -0.00113636 |
| 456 | -0.00112105 |
| 457 | -0.00111111 |
| 458 | -0.00109231 |
| 459 | -0.00105263 |
| 460 | -0.00104762 |
| 461 | -0.001 |
| 462 | -0.001 |
| 463 | -0.000970588 |
| 464 | -0.000909091 |
| 465 | -0.000909091 |
| 466 | -0.000869565 |
| 467 | -0.000837838 |
| 468 | -0.000833333 |
| 469 | -0.000833333 |
| 470 | -0.000833333 |
| 471 | -0.000789474 |
| 472 | -0.000787879 |

| | |
|---|---|
| 473 | -0.000769231 |
| 474 | -0.00075 |
| 475 | -0.000740741 |
| 476 | -0.000714286 |
| 477 | -0.000714286 |
| 478 | -0.000714286 |
| 479 | -0.000666667 |
| 480 | -0.000666667 |
| 481 | -0.000645161 |
| 482 | -0.000625 |
| 483 | -0.000571429 |
| 484 | -0.00056 |
| 485 | -0.000526316 |
| 486 | -0.000526316 |
| 487 | -0.00052381 |
| 488 | -0.000512821 |
| 489 | -0.0005 |
| 490 | -0.0005 |
| 491 | -0.00047619 |
| 492 | -0.000465116 |
| 493 | -0.000454545 |
| 494 | -0.000434783 |
| 495 | -0.000434783 |
| 496 | -0.000428571 |
| 497 | -0.000416667 |
| 498 | -0.00037037 |
| 499 | -0.00037037 |
| 500 | -0.000357143 |
| 501 | -0.000357143 |
| 502 | -0.000322581 |
| 503 | -0.0003125 |
| 504 | -0.000285714 |
| 505 | -0.000227273 |
| 506 | -0.000208333 |
| 507 | -0.000166667 |
| 508 | 0 |
| 509 | 0 |
| 510 | 0 |
| 511 | 0 |
| 512 | 0 |
| 513 | 0 |
| 514 | 0 |
| 515 | 0 |
| 516 | 0 |
| 517 | 0 |
| 518 | 0 |
| 519 | 0 |
| 520 | 0 |
| 521 | 0 |
| 522 | 0 |
| 523 | 0 |
| 524 | 0 |
| 525 | 0 |
| 526 | 0 |
| 527 | 0 |
| 528 | 0 |
| 529 | 0 |

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|---|---|
| 530 | 0 |
| 531 | 0 |
| 532 | 0 |
| 533 | 0 |
| 534 | 0 |
| 535 | 0 |
| 536 | 0 |
| 537 | 0 |
| 538 | 0 |
| 539 | 0 |
| 540 | 0 |
| 541 | 0 |
| 542 | 0 |
| 543 | 0 |
| 544 | 0 |
| 545 | 0 |
| 546 | 0 |
| 547 | 0 |
| 548 | 0 |
| 549 | 0 |
| 550 | 0 |
| 551 | 0 |
| 552 | 0 |
| 553 | 0 |
| 554 | 0 |
| 555 | 0 |
| 556 | 0 |
| 557 | 0 |
| 558 | 0 |
| 559 | 0 |
| 560 | 0 |
| 561 | 0 |
| 562 | 0 |
| 563 | 0 |
| 564 | 0 |
| 565 | 0 |
| 566 | 0 |
| 567 | 0 |
| 568 | 0 |
| 569 | 0 |
| 570 | 0 |
| 571 | 0 |
| 572 | 0 |
| 573 | 0 |
| 574 | 0 |
| 575 | 0 |
| 576 | 0 |
| 577 | 0 |
| 578 | 0 |
| 579 | 0 |
| 580 | 0 |
| 581 | 0 |
| 582 | 0 |
| 583 | 0 |
| 584 | 0 |
| 585 | 0 |
| 586 | 0 |

| | |
|---|---|
| 587 | 0 |
| 588 | 0 |
| 589 | 0 |
| 590 | 0 |
| 591 | 0 |
| 592 | 0 |
| 593 | 0 |
| 594 | 0 |
| 595 | 0 |
| 596 | 0 |
| 597 | 0 |
| 598 | 0 |
| 599 | 0 |
| 600 | 0 |
| 601 | 0 |
| 602 | 0 |
| 603 | 0 |
| 604 | 0 |
| 605 | 0 |
| 606 | 0 |
| 607 | 0 |
| 608 | 0 |
| 609 | 0 |
| 610 | 0 |
| 611 | 0 |
| 612 | 0 |
| 613 | 0 |
| 614 | 0 |
| 615 | 0 |
| 616 | 0 |
| 617 | 0 |
| 618 | 0 |
| 619 | 0 |
| 620 | 0 |
| 621 | 0 |
| 622 | 0 |
| 623 | 0 |
| 624 | 0 |
| 625 | 0 |
| 626 | 0 |
| 627 | 0 |
| 628 | 0 |
| 629 | 0 |
| 630 | 0 |
| 631 | 0 |
| 632 | 0 |
| 633 | 0 |
| 634 | 0 |
| 635 | 0 |
| 636 | 0 |
| 637 | 0 |
| 638 | 0 |
| 639 | 0 |
| 640 | 0 |
| 641 | 0 |
| 642 | 0 |
| 643 | 0 |

| | |
|---|---|
| 644 | 0 |
| 645 | 0 |
| 646 | 0 |
| 647 | 0 |
| 648 | 0 |
| 649 | 0 |
| 650 | 0 |
| 651 | 0 |
| 652 | 0 |
| 653 | 0 |
| 654 | 0 |
| 655 | 0 |
| 656 | 0 |
| 657 | 0 |
| 658 | 0 |
| 659 | 0 |
| 660 | 0 |
| 661 | 0 |
| 662 | 0 |
| 663 | 0 |
| 664 | 0 |
| 665 | 0 |
| 666 | 0 |
| 667 | 0 |
| 668 | 0 |
| 669 | 0 |
| 670 | 0 |
| 671 | 0 |
| 672 | 0 |
| 673 | 0 |
| 674 | 0 |
| 675 | 0 |
| 676 | 0 |
| 677 | 0 |
| 678 | 0 |
| 679 | 0 |
| 680 | 0 |
| 681 | 0 |
| 682 | 0 |
| 683 | 0 |
| 684 | 0 |
| 685 | 0 |
| 686 | 0 |
| 687 | 0 |
| 688 | 0 |
| 689 | 0 |
| 690 | 0 |
| 691 | 0 |
| 692 | 0 |
| 693 | 0 |
| 694 | 0 |
| 695 | 0 |
| 696 | 0 |
| 697 | 0 |
| 698 | 0 |
| 699 | 0 |
| 700 | 5.26316e-05 |

| | |
|---|---|
| 701 | 0.00016129 |
| 702 | 0.000181818 |
| 703 | 0.000255319 |
| 704 | 0.000275862 |
| 705 | 0.000277778 |
| 706 | 0.000291667 |
| 707 | 0.0004375 |
| 708 | 0.000444444 |
| 709 | 0.000515152 |
| 710 | 0.000571429 |
| 711 | 0.00059375 |
| 712 | 0.000634146 |
| 713 | 0.00065 |
| 714 | 0.000666667 |
| 715 | 0.000684211 |
| 716 | 0.000695652 |
| 717 | 0.000702703 |
| 718 | 0.000769231 |
| 719 | 0.000787879 |
| 720 | 0.0008 |
| 721 | 0.000833333 |
| 722 | 0.000833333 |
| 723 | 0.000833333 |
| 724 | 0.000857143 |
| 725 | 0.000857143 |
| 726 | 0.000866667 |
| 727 | 0.000896552 |
| 728 | 0.000964286 |
| 729 | 0.001 |
| 730 | 0.001 |
| 731 | 0.001 |
| 732 | 0.00104 |
| 733 | 0.00105556 |
| 734 | 0.00108333 |
| 735 | 0.00111111 |
| 736 | 0.00111111 |
| 737 | 0.00112121 |
| 738 | 0.00115625 |
| 739 | 0.00115625 |
| 740 | 0.00117241 |
| 741 | 0.00118182 |
| 742 | 0.00123333 |
| 743 | 0.0012381 |
| 744 | 0.00126087 |
| 745 | 0.00127586 |
| 746 | 0.00131818 |
| 747 | 0.00133333 |
| 748 | 0.00135 |
| 749 | 0.00136111 |
| 750 | 0.00142857 |
| 751 | 0.00145 |
| 752 | 0.00148 |
| 753 | 0.00152632 |
| 754 | 0.00152941 |
| 755 | 0.00157895 |
| 756 | 0.001625 |
| 757 | 0.00168182 |

| | |
|---|---|
| 758 | 0.0016875 |
| 759 | 0.0017619 |
| 760 | 0.00179167 |
| 761 | 0.00185714 |
| 762 | 0.0019 |
| 763 | 0.00193333 |
| 764 | 0.002 |
| 765 | 0.002 |
| 766 | 0.002 |
| 767 | 0.00205556 |
| 768 | 0.00210811 |
| 769 | 0.00217647 |
| 770 | 0.0022 |
| 771 | 0.00222222 |
| 772 | 0.002225 |
| 773 | 0.00226667 |
| 774 | 0.0023 |
| 775 | 0.0023125 |
| 776 | 0.00231818 |
| 777 | 0.00241667 |
| 778 | 0.00242857 |
| 779 | 0.00242857 |
| 780 | 0.0024375 |
| 781 | 0.0024878 |
| 782 | 0.0025 |
| 783 | 0.00261111 |
| 784 | 0.00263636 |
| 785 | 0.00264286 |
| 786 | 0.00269231 |
| 787 | 0.00272222 |
| 788 | 0.00273913 |
| 789 | 0.00275 |
| 790 | 0.00275676 |
| 791 | 0.00284615 |
| 792 | 0.002875 |
| 793 | 0.00288889 |
| 794 | 0.00294118 |
| 795 | 0.003 |
| 796 | 0.003 |
| 797 | 0.0030303 |
| 798 | 0.00309091 |
| 799 | 0.00310345 |
| 800 | 0.00322581 |
| 801 | 0.00327586 |
| 802 | 0.0033125 |
| 803 | 0.00331818 |
| 804 | 0.00333333 |
| 805 | 0.00339286 |
| 806 | 0.0034 |
| 807 | 0.00345 |
| 808 | 0.00345161 |
| 809 | 0.0035 |
| 810 | 0.00351724 |
| 811 | 0.00354167 |
| 812 | 0.00356667 |
| 813 | 0.003625 |
| 814 | 0.00364286 |

| | |
|---|---|
| 815 | 0.00365385 |
| 816 | 0.00372727 |
| 817 | 0.00373077 |
| 818 | 0.00375 |
| 819 | 0.0038 |
| 820 | 0.00380851 |
| 821 | 0.00382051 |
| 822 | 0.00382143 |
| 823 | 0.00384615 |
| 824 | 0.00392308 |
| 825 | 0.00396296 |
| 826 | 0.00407143 |
| 827 | 0.00408 |
| 828 | 0.00411111 |
| 829 | 0.00414286 |
| 830 | 0.00422222 |
| 831 | 0.00427907 |
| 832 | 0.00428571 |
| 833 | 0.00434783 |
| 834 | 0.0044 |
| 835 | 0.00452381 |
| 836 | 0.00454167 |
| 837 | 0.00454545 |
| 838 | 0.004625 |
| 839 | 0.00465217 |
| 840 | 0.00471429 |
| 841 | 0.0048 |
| 842 | 0.0048125 |
| 843 | 0.00483333 |
| 844 | 0.00483333 |
| 845 | 0.00485714 |
| 846 | 0.00494118 |
| 847 | 0.005 |
| 848 | 0.005 |
| 849 | 0.005 |
| 850 | 0.0051 |
| 851 | 0.0052 |
| 852 | 0.0052 |
| 853 | 0.00525 |
| 854 | 0.00526316 |
| 855 | 0.00526667 |
| 856 | 0.00527778 |
| 857 | 0.0053125 |
| 858 | 0.00535 |
| 859 | 0.00538889 |
| 860 | 0.00541304 |
| 861 | 0.00541667 |
| 862 | 0.00541935 |
| 863 | 0.00553333 |
| 864 | 0.00555556 |
| 865 | 0.00558824 |
| 866 | 0.00559375 |
| 867 | 0.0056 |
| 868 | 0.005625 |
| 869 | 0.00563158 |
| 870 | 0.00565 |
| 871 | 0.00565217 |

| | |
|---|---|
| 872 | 0.00566667 |
| 873 | 0.00571429 |
| 874 | 0.00572727 |
| 875 | 0.0057907 |
| 876 | 0.00582927 |
| 877 | 0.00588235 |
| 878 | 0.00590909 |
| 879 | 0.00592857 |
| 880 | 0.00595 |
| 881 | 0.006 |
| 882 | 0.006 |
| 883 | 0.00604545 |
| 884 | 0.00604762 |
| 885 | 0.00605 |
| 886 | 0.00616667 |
| 887 | 0.00619512 |
| 888 | 0.00622222 |
| 889 | 0.00625641 |
| 890 | 0.00633333 |
| 891 | 0.00641935 |
| 892 | 0.00645455 |
| 893 | 0.0065 |
| 894 | 0.00651282 |
| 895 | 0.00655263 |
| 896 | 0.00659459 |
| 897 | 0.00666667 |
| 898 | 0.00668421 |
| 899 | 0.0066875 |
| 900 | 0.00678571 |
| 901 | 0.00686667 |
| 902 | 0.00690323 |
| 903 | 0.007 |
| 904 | 0.007 |
| 905 | 0.00711429 |
| 906 | 0.00713333 |
| 907 | 0.00714286 |
| 908 | 0.00718182 |
| 909 | 0.00722222 |
| 910 | 0.00723529 |
| 911 | 0.00724242 |
| 912 | 0.00725 |
| 913 | 0.00725 |
| 914 | 0.00730435 |
| 915 | 0.00730769 |
| 916 | 0.00732353 |
| 917 | 0.00734783 |
| 918 | 0.00736364 |
| 919 | 0.007375 |
| 920 | 0.00738889 |
| 921 | 0.0074 |
| 922 | 0.00747059 |
| 923 | 0.0075 |
| 924 | 0.00752174 |
| 925 | 0.00764286 |
| 926 | 0.00775 |
| 927 | 0.00784615 |
| 928 | 0.00791667 |

| | |
|---|---|
| 929 | 0.00803226 |
| 930 | 0.00819355 |
| 931 | 0.00825 |
| 932 | 0.00826316 |
| 933 | 0.0083 |
| 934 | 0.0084 |
| 935 | 0.00841379 |
| 936 | 0.00845 |
| 937 | 0.00846667 |
| 938 | 0.00848649 |
| 939 | 0.00858621 |
| 940 | 0.00866667 |
| 941 | 0.00875 |
| 942 | 0.00875 |
| 943 | 0.00875 |
| 944 | 0.00877273 |
| 945 | 0.00884211 |
| 946 | 0.00891667 |
| 947 | 0.00896667 |
| 948 | 0.00897143 |
| 949 | 0.00905882 |
| 950 | 0.00916667 |
| 951 | 0.00921212 |
| 952 | 0.00922222 |
| 953 | 0.00923077 |
| 954 | 0.00923529 |
| 955 | 0.00927586 |
| 956 | 0.00928571 |
| 957 | 0.00933333 |
| 958 | 0.00940741 |
| 959 | 0.00946667 |
| 960 | 0.0095 |
| 961 | 0.0095 |
| 962 | 0.00956522 |
| 963 | 0.00957692 |
| 964 | 0.00966667 |
| 965 | 0.00972727 |
| 966 | 0.00975 |
| 967 | 0.00976923 |
| 968 | 0.00994737 |
| 969 | 0.00996296 |
| 970 | 0.01 |
| 971 | 0.01 |
| 972 | 0.01 |
| 973 | 0.01 |
| 974 | 0.01016 |
| 975 | 0.0103462 |
| 976 | 0.01036 |
| 977 | 0.0104667 |
| 978 | 0.0105 |
| 979 | 0.0105556 |
| 980 | 0.0106667 |
| 981 | 0.011 |
| 982 | 0.0110435 |
| 983 | 0.0111111 |
| 984 | 0.0112 |
| 985 | 0.0113125 |

| | |
|---|---|
| 986 | 0.0113182 |
| 987 | 0.0113333 |
| 988 | 0.0115455 |
| 989 | 0.0115833 |
| 990 | 0.0116296 |
| 991 | 0.0116429 |
| 992 | 0.0118182 |
| 993 | 0.0118182 |
| 994 | 0.0118421 |
| 995 | 0.0118571 |
| 996 | 0.0120769 |
| 997 | 0.0120909 |
| 998 | 0.01216 |
| 999 | 0.0121667 |
| 1000 | 0.0122273 |
| 1001 | 0.0122308 |
| 1002 | 0.0122857 |
| 1003 | 0.0124167 |
| 1004 | 0.0125238 |
| 1005 | 0.01275 |
| 1006 | 0.0128571 |
| 1007 | 0.013 |
| 1008 | 0.0131053 |
| 1009 | 0.01315 |
| 1010 | 0.0133 |
| 1011 | 0.0133636 |
| 1012 | 0.0136522 |
| 1013 | 0.0136667 |
| 1014 | 0.0138333 |
| 1015 | 0.0141111 |
| 1016 | 0.0141579 |
| 1017 | 0.0142727 |
| 1018 | 0.0142857 |
| 1019 | 0.0142857 |
| 1020 | 0.0143889 |
| 1021 | 0.0144444 |
| 1022 | 0.0144545 |
| 1023 | 0.0146111 |
| 1024 | 0.0149412 |
| 1025 | 0.0149444 |
| 1026 | 0.0149524 |
| 1027 | 0.0152353 |
| 1028 | 0.0152353 |
| 1029 | 0.01525 |
| 1030 | 0.0152727 |
| 1031 | 0.0152857 |
| 1032 | 0.0153333 |
| 1033 | 0.0154706 |
| 1034 | 0.0158125 |
| 1035 | 0.0163077 |
| 1036 | 0.0164286 |
| 1037 | 0.0165263 |
| 1038 | 0.0166667 |
| 1039 | 0.0166667 |
| 1040 | 0.0168 |
| 1041 | 0.0169333 |
| 1042 | 0.017 |

| | |
|---|---|
| 1043 | 0.0172667 |
| 1044 | 0.0172727 |
| 1045 | 0.0174444 |
| 1046 | 0.0176923 |
| 1047 | 0.0177857 |
| 1048 | 0.0178333 |
| 1049 | 0.0179333 |
| 1050 | 0.0181429 |
| 1051 | 0.0185 |
| 1052 | 0.0185714 |
| 1053 | 0.0185714 |
| 1054 | 0.019 |
| 1055 | 0.019 |
| 1056 | 0.019 |
| 1057 | 0.019 |
| 1058 | 0.0191538 |
| 1059 | 0.0192143 |
| 1060 | 0.01925 |
| 1061 | 0.02 |
| 1062 | 0.0202308 |
| 1063 | 0.0204 |
| 1064 | 0.0206923 |
| 1065 | 0.0209091 |
| 1066 | 0.021 |
| 1067 | 0.021 |
| 1068 | 0.0216667 |
| 1069 | 0.0221667 |
| 1070 | 0.0222222 |
| 1071 | 0.0224286 |
| 1072 | 0.023 |
| 1073 | 0.02375 |
| 1074 | 0.024 |
| 1075 | 0.0241 |
| 1076 | 0.0241111 |
| 1077 | 0.0241538 |
| 1078 | 0.0243333 |
| 1079 | 0.0244444 |
| 1080 | 0.0244545 |
| 1081 | 0.0249 |
| 1082 | 0.025 |
| 1083 | 0.0254 |
| 1084 | 0.0259 |
| 1085 | 0.026 |
| 1086 | 0.0263 |
| 1087 | 0.0266 |
| 1088 | 0.0266667 |
| 1089 | 0.02675 |
| 1090 | 0.0269 |
| 1091 | 0.0276667 |
| 1092 | 0.0285455 |
| 1093 | 0.0285714 |
| 1094 | 0.0292222 |
| 1095 | 0.0295714 |
| 1096 | 0.0311111 |
| 1097 | 0.0314 |
| 1098 | 0.031625 |
| 1099 | 0.032 |

| | |
|---|---|
| 1100 | 0.0333333 |
| 1101 | 0.0333333 |
| 1102 | 0.0333333 |
| 1103 | 0.0336667 |
| 1104 | 0.0342857 |
| 1105 | 0.0343 |
| 1106 | 0.03475 |
| 1107 | 0.035 |
| 1108 | 0.0356667 |
| 1109 | 0.037 |
| 1110 | 0.037 |
| 1111 | 0.038 |
| 1112 | 0.0383333 |
| 1113 | 0.04 |
| 1114 | 0.0415 |
| 1115 | 0.0416571 |
| 1116 | 0.0423333 |
| 1117 | 0.0426 |
| 1118 | 0.0431667 |
| 1119 | 0.0438333 |
| 1120 | 0.0443333 |
| 1121 | 0.0446 |
| 1122 | 0.0448333 |
| 1123 | 0.045 |
| 1124 | 0.0466667 |
| 1125 | 0.0475 |
| 1126 | 0.0486667 |
| 1127 | 0.0498 |
| 1128 | 0.05 |
| 1129 | 0.0508 |
| 1130 | 0.0523333 |
| 1131 | 0.0526 |
| 1132 | 0.0533333 |
| 1133 | 0.0535 |
| 1134 | 0.0538 |
| 1135 | 0.0554 |
| 1136 | 0.056 |
| 1137 | 0.056 |
| 1138 | 0.061 |
| 1139 | 0.063 |
| 1140 | 0.065 |
| 1141 | 0.0655 |
| 1142 | 0.06575 |
| 1143 | 0.0665 |
| 1144 | 0.0675 |
| 1145 | 0.068 |
| 1146 | 0.0725 |
| 1147 | 0.0766667 |
| 1148 | 0.08 |
| 1149 | 0.0863333 |
| 1150 | 0.0896667 |
| 1151 | 0.0896667 |
| 1152 | 0.09 |
| 1153 | 0.095 |
| 1154 | 0.0988667 |
| 1155 | 0.1 |
| 1156 | 0.103333 |

| | |
|---|---|
| 1157 | 0.115 |
| 1158 | 0.127 |
| 1159 | 0.1295 |
| 1160 | 0.13 |
| 1161 | 0.1315 |
| 1162 | 0.1345 |
| 1163 | 0.147 |
| 1164 | 0.1495 |
| 1165 | 0.15 |
| 1166 | 0.152 |
| 1167 | 0.157 |
| 1168 | 0.174 |
| 1169 | 0.19 |
| 1170 | 0.22 |
| 1171 | 0.228 |
| 1172 | 0.259 |
| 1173 | 0.263 |
| 1174 | 0.28 |
| 1175 | 0.314 |
| 1176 | 0.38 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 20 |
| 2 | 0.11 | 2 |
| 3 | 0.2 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |

| | |
|---|---|
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 17136
B = 0
C = 6840
D = 0
E = 384
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12506.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 183.949
M1 = (1176 - 183.949)/2.0 = 496.025
M2 = (1176 + 183.949)/2.0 + 1 = 680.975
Lower limit is -0.000428571 = Q(496)
Upper limit is 0 = Q(681)
-0.000428571 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: RC 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.14 (5/8/2013) | ND<0.1 U (3/12/2013) | (0.14 - 0.1)/(2 - 1) | 0.04 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(4 - 1) | 0 |
| 0.16 (2/6/2014) | ND<0.1 U (3/12/2013) | (0.16 - 0.1)/(5 - 1) | 0.015 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (9/19/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(8 - 1) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (3/12/2013) | (0.26 - 0.1)/(9 - 1) | 0.02 |
| 0.2 (4/22/2015) | ND<0.1 U (3/12/2013) | (0.2 - 0.1)/(10 - 1) | 0.0111111 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (3/12/2013) | (0.14 - 0.1)/(12 - 1) | 0.00363636 |
| 0.11 (3/15/2016) | ND<0.1 U (3/12/2013) | (0.11 - 0.1)/(13 - 1) | 0.000833333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(16 - 1) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(17 - 1) | 0.00125 |
| 0.28 (7/5/2017) | ND<0.1 U (3/12/2013) | (0.28 - 0.1)/(18 - 1) | 0.0105882 |
| 0.21 (8/16/2017) | ND<0.1 U (3/12/2013) | (0.21 - 0.1)/(19 - 1) | 0.00611111 |
| 0.24 (10/25/2017) | ND<0.1 U (3/12/2013) | (0.24 - 0.1)/(20 - 1) | 0.00736842 |
| 0.148 (3/28/2018) | ND<0.1 U (3/12/2013) | (0.148 - 0.1)/(21 - 1) | 0.0024 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(23 - 1) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(24 - 1) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (3/12/2013) | (0.108 - 0.1)/(25 - 1) | 0.000333333 |
| 0.12 (6/12/2019) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(26 - 1) | 0.0008 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(27 - 1) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(28 - 1) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(29 - 1) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (3/12/2013) | (0.141 - 0.1)/(30 - 1) | 0.00141379 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (3/12/2013) | (0.261 - 0.1)/(32 - 1) | 0.00519355 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (3/12/2013) | (0.21 - 0.1)/(35 - 1) | 0.00323529 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (3/12/2013) | (0.17 - 0.1)/(37 - 1) | 0.00194444 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(38 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (3/12/2013) | (0.107 - 0.1)/(41 - 1) | 0.000175 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (3/12/2013) | (0.05 - 0.1)/(42 - 1) | -0.00121951 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(43 - 1) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (3/12/2013) | (0.05 - 0.1)/(44 - 1) | -0.00116279 |
| 0.294 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.294 - 0.1)/(45 - 1) | 0.00440909 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(46 - 1) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (3/12/2013) | (0.05 - 0.1)/(47 - 1) | -0.00108696 |
| 0.315 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.315 - 0.1)/(48 - 1) | 0.00457447 |
| 0.141 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.141 - 0.1)/(49 - 1) | 0.000854167 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | 0.14 (5/8/2013) | (0.1 - 0.14)/(3 - 2) | -0.04 |
| ND<0.1 U (12/10/2013) | 0.14 (5/8/2013) | (0.1 - 0.14)/(4 - 2) | -0.02 |
| 0.16 (2/6/2014) | 0.14 (5/8/2013) | (0.16 - 0.14)/(5 - 2) | 0.00666667 |
| ND<0.1 U (6/26/2014) | 0.14 (5/8/2013) | (0.1 - 0.14)/(6 - 2) | -0.01 |
| ND<0.1 U (9/19/2014) | 0.14 (5/8/2013) | (0.1 - 0.14)/(7 - 2) | -0.008 |
| ND<0.1 U (9/30/2014) | 0.14 (5/8/2013) | (0.1 - 0.14)/(8 - 2) | -0.00666667 |
| 0.26 (3/23/2015) | 0.14 (5/8/2013) | (0.26 - 0.14)/(9 - 2) | 0.0171429 |
| 0.2 (4/22/2015) | 0.14 (5/8/2013) | (0.2 - 0.14)/(10 - 2) | 0.0075 |
| ND<0.1 U (9/30/2015) | 0.14 (5/8/2013) | (0.1 - 0.14)/(11 - 2) | -0.00444444 |
| 0.14 (11/19/2015) | 0.14 (5/8/2013) | (0.14 - 0.14)/(12 - 2) | 0 |
| 0.11 (3/15/2016) | 0.14 (5/8/2013) | (0.11 - 0.14)/(13 - 2) | -0.00272727 |
| ND<0.1 U (6/29/2016) | 0.14 (5/8/2013) | (0.1 - 0.14)/(14 - 2) | -0.00333333 |
| ND<0.1 U (8/9/2016) | 0.14 (5/8/2013) | (0.1 - 0.14)/(15 - 2) | -0.00307692 |
| ND<0.1 U (12/7/2016) | 0.14 (5/8/2013) | (0.1 - 0.14)/(16 - 2) | -0.00285714 |
| 0.12 (3/2/2017) | 0.14 (5/8/2013) | (0.12 - 0.14)/(17 - 2) | -0.00133333 |
| 0.28 (7/5/2017) | 0.14 (5/8/2013) | (0.28 - 0.14)/(18 - 2) | 0.00875 |
| 0.21 (8/16/2017) | 0.14 (5/8/2013) | (0.21 - 0.14)/(19 - 2) | 0.00411765 |
| 0.24 (10/25/2017) | 0.14 (5/8/2013) | (0.24 - 0.14)/(20 - 2) | 0.00555556 |
| 0.148 (3/28/2018) | 0.14 (5/8/2013) | (0.148 - 0.14)/(21 - 2) | 0.000421053 |
| ND<0.1 U (6/29/2018) | 0.14 (5/8/2013) | (0.1 - 0.14)/(22 - 2) | -0.002 |
| ND<0.1 U (8/2/2018) | 0.14 (5/8/2013) | (0.1 - 0.14)/(23 - 2) | -0.00190476 |
| ND<0.1 U (12/10/2018) | 0.14 (5/8/2013) | (0.1 - 0.14)/(24 - 2) | -0.00181818 |
| 0.108 (4/15/2019) | 0.14 (5/8/2013) | (0.108 - 0.14)/(25 - 2) | -0.0013913 |
| 0.12 (6/12/2019) | 0.14 (5/8/2013) | (0.12 - 0.14)/(26 - 2) | -0.000833333 |
| ND<0.1 U (8/27/2019) | 0.14 (5/8/2013) | (0.1 - 0.14)/(27 - 2) | -0.0016 |
| ND<0.1 U (10/29/2019) | 0.14 (5/8/2013) | (0.1 - 0.14)/(28 - 2) | -0.00153846 |
| ND<0.1 U (3/30/2020) | 0.14 (5/8/2013) | (0.1 - 0.14)/(29 - 2) | -0.00148148 |
| 0.141 (6/16/2020) | 0.14 (5/8/2013) | (0.141 - 0.14)/(30 - 2) | 3.57143e-05 |
| ND<0.1 U (9/21/2020) | 0.14 (5/8/2013) | (0.1 - 0.14)/(31 - 2) | -0.00137931 |
| 0.261 (12/17/2020) | 0.14 (5/8/2013) | (0.261 - 0.14)/(32 - 2) | 0.00403333 |
| ND<0.1 U (3/18/2021) | 0.14 (5/8/2013) | (0.1 - 0.14)/(33 - 2) | -0.00129032 |
| ND<0.1 U (5/5/2021) | 0.14 (5/8/2013) | (0.1 - 0.14)/(34 - 2) | -0.00125 |
| 0.21 (9/2/2021) | 0.14 (5/8/2013) | (0.21 - 0.14)/(35 - 2) | 0.00212121 |
| ND<0.1 U (11/23/2021) | 0.14 (5/8/2013) | (0.1 - 0.14)/(36 - 2) | -0.00117647 |
| 0.17 (1/11/2022) | 0.14 (5/8/2013) | (0.17 - 0.14)/(37 - 2) | 0.000857143 |
| ND<0.1 U (4/7/2022) | 0.14 (5/8/2013) | (0.1 - 0.14)/(38 - 2) | -0.00111111 |
| ND<0.1 U (8/2/2022) | 0.14 (5/8/2013) | (0.1 - 0.14)/(39 - 2) | -0.00108108 |
| ND<0.1 U (11/16/2022) | 0.14 (5/8/2013) | (0.1 - 0.14)/(40 - 2) | -0.00105263 |
| 0.107 (2/14/2023) | 0.14 (5/8/2013) | (0.107 - 0.14)/(41 - 2) | -0.000846154 |
| ND<0.05 U (5/25/2023) | 0.14 (5/8/2013) | (0.05 - 0.14)/(42 - 2) | -0.00225 |
| ND<0.1 U (8/7/2023) | 0.14 (5/8/2013) | (0.1 - 0.14)/(43 - 2) | -0.00097561 |
| ND<0.05 U (12/12/2023) | 0.14 (5/8/2013) | (0.05 - 0.14)/(44 - 2) | -0.00214286 |
| 0.294 (1/10/2024) | 0.14 (5/8/2013) | (0.294 - 0.14)/(45 - 2) | 0.0035814 |
| ND<0.1 U (5/21/2024) | 0.14 (5/8/2013) | (0.1 - 0.14)/(46 - 2) | -0.000909091 |
| ND<0.05 U (9/16/2024) | 0.14 (5/8/2013) | (0.05 - 0.14)/(47 - 2) | -0.002 |
| 0.315 (12/11/2024) | 0.14 (5/8/2013) | (0.315 - 0.14)/(48 - 2) | 0.00380435 |
| 0.141 (2/18/2025) | 0.14 (5/8/2013) | (0.141 - 0.14)/(49 - 2) | 2.12766e-05 |

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|---|---|---|---|
| ND<0.1 U (12/10/2013) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(4 - 3) | 0 |
| 0.16 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.16 - 0.1)/(5 - 3) | 0.03 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/19/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(9 - 3) | 0.0266667 |
| 0.2 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(10 - 3) | 0.0142857 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

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|---|---|---|---|
| 0.14 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(12 - 3) | 0.00444444 |
| 0.11 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(13 - 3) | 0.001 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(17 - 3) | 0.00142857 |
| 0.28 (7/5/2017) | ND<0.1 U (9/23/2013) | (0.28 - 0.1)/(18 - 3) | 0.012 |
| 0.21 (8/16/2017) | ND<0.1 U (9/23/2013) | (0.21 - 0.1)/(19 - 3) | 0.006875 |
| 0.24 (10/25/2017) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(20 - 3) | 0.00823529 |
| 0.148 (3/28/2018) | ND<0.1 U (9/23/2013) | (0.148 - 0.1)/(21 - 3) | 0.00266667 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(25 - 3) | 0.000363636 |
| 0.12 (6/12/2019) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(26 - 3) | 0.000869565 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(29 - 3) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (9/23/2013) | (0.141 - 0.1)/(30 - 3) | 0.00151852 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.261 - 0.1)/(32 - 3) | 0.00555172 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.21 - 0.1)/(35 - 3) | 0.0034375 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (9/23/2013) | (0.17 - 0.1)/(37 - 3) | 0.00205882 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (9/23/2013) | (0.107 - 0.1)/(41 - 3) | 0.000184211 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(42 - 3) | -0.00128205 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(44 - 3) | -0.00121951 |
| 0.294 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.294 - 0.1)/(45 - 3) | 0.00461905 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(46 - 3) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.315 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.315 - 0.1)/(48 - 3) | 0.00477778 |
| 0.141 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.141 - 0.1)/(49 - 3) | 0.000891304 |
| | | | |
| 0.16 (2/6/2014) | ND<0.1 U (12/10/2013) | (0.16 - 0.1)/(5 - 4) | 0.06 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (9/19/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(7 - 4) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(8 - 4) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (12/10/2013) | (0.26 - 0.1)/(9 - 4) | 0.032 |
| 0.2 (4/22/2015) | ND<0.1 U (12/10/2013) | (0.2 - 0.1)/(10 - 4) | 0.0166667 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(11 - 4) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (12/10/2013) | (0.14 - 0.1)/(12 - 4) | 0.005 |
| 0.11 (3/15/2016) | ND<0.1 U (12/10/2013) | (0.11 - 0.1)/(13 - 4) | 0.00111111 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(14 - 4) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(15 - 4) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(16 - 4) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (12/10/2013) | (0.12 - 0.1)/(17 - 4) | 0.00153846 |
| 0.28 (7/5/2017) | ND<0.1 U (12/10/2013) | (0.28 - 0.1)/(18 - 4) | 0.0128571 |
| 0.21 (8/16/2017) | ND<0.1 U (12/10/2013) | (0.21 - 0.1)/(19 - 4) | 0.00733333 |
| 0.24 (10/25/2017) | ND<0.1 U (12/10/2013) | (0.24 - 0.1)/(20 - 4) | 0.00875 |
| 0.148 (3/28/2018) | ND<0.1 U (12/10/2013) | (0.148 - 0.1)/(21 - 4) | 0.00282353 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(22 - 4) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(23 - 4) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(24 - 4) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (12/10/2013) | (0.108 - 0.1)/(25 - 4) | 0.000380952 |
| 0.12 (6/12/2019) | ND<0.1 U (12/10/2013) | (0.12 - 0.1)/(26 - 4) | 0.000909091 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(27 - 4) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(28 - 4) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(29 - 4) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (12/10/2013) | (0.141 - 0.1)/(30 - 4) | 0.00157692 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(31 - 4) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (12/10/2013) | (0.261 - 0.1)/(32 - 4) | 0.00575 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(33 - 4) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(34 - 4) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (12/10/2013) | (0.21 - 0.1)/(35 - 4) | 0.00354839 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(36 - 4) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (12/10/2013) | (0.17 - 0.1)/(37 - 4) | 0.00212121 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(38 - 4) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(39 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(40 - 4) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (12/10/2013) | (0.107 - 0.1)/(41 - 4) | 0.000189189 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/10/2013) | (0.05 - 0.1)/(42 - 4) | -0.00131579 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(43 - 4) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (12/10/2013) | (0.05 - 0.1)/(44 - 4) | -0.00125 |
| 0.294 (1/10/2024) | ND<0.1 U (12/10/2013) | (0.294 - 0.1)/(45 - 4) | 0.00473171 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(46 - 4) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/10/2013) | (0.05 - 0.1)/(47 - 4) | -0.00116279 |
| 0.315 (12/11/2024) | ND<0.1 U (12/10/2013) | (0.315 - 0.1)/(48 - 4) | 0.00488636 |
| 0.141 (2/18/2025) | ND<0.1 U (12/10/2013) | (0.141 - 0.1)/(49 - 4) | 0.000911111 |

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|---|---|---|---|
| ND<0.1 U (6/26/2014) | 0.16 (2/6/2014) | (0.1 - 0.16)/(6 - 5) | -0.06 |
| ND<0.1 U (9/19/2014) | 0.16 (2/6/2014) | (0.1 - 0.16)/(7 - 5) | -0.03 |
| ND<0.1 U (9/30/2014) | 0.16 (2/6/2014) | (0.1 - 0.16)/(8 - 5) | -0.02 |
| 0.26 (3/23/2015) | 0.16 (2/6/2014) | (0.26 - 0.16)/(9 - 5) | 0.025 |
| 0.2 (4/22/2015) | 0.16 (2/6/2014) | (0.2 - 0.16)/(10 - 5) | 0.008 |
| ND<0.1 U (9/30/2015) | 0.16 (2/6/2014) | (0.1 - 0.16)/(11 - 5) | -0.01 |
| 0.14 (11/19/2015) | 0.16 (2/6/2014) | (0.14 - 0.16)/(12 - 5) | -0.00285714 |
| 0.11 (3/15/2016) | 0.16 (2/6/2014) | (0.11 - 0.16)/(13 - 5) | -0.00625 |
| ND<0.1 U (6/29/2016) | 0.16 (2/6/2014) | (0.1 - 0.16)/(14 - 5) | -0.00666667 |
| ND<0.1 U (8/9/2016) | 0.16 (2/6/2014) | (0.1 - 0.16)/(15 - 5) | -0.006 |
| ND<0.1 U (12/7/2016) | 0.16 (2/6/2014) | (0.1 - 0.16)/(16 - 5) | -0.00545455 |
| 0.12 (3/2/2017) | 0.16 (2/6/2014) | (0.12 - 0.16)/(17 - 5) | -0.00333333 |
| 0.28 (7/5/2017) | 0.16 (2/6/2014) | (0.28 - 0.16)/(18 - 5) | 0.00923077 |
| 0.21 (8/16/2017) | 0.16 (2/6/2014) | (0.21 - 0.16)/(19 - 5) | 0.00357143 |
| 0.24 (10/25/2017) | 0.16 (2/6/2014) | (0.24 - 0.16)/(20 - 5) | 0.00533333 |
| 0.148 (3/28/2018) | 0.16 (2/6/2014) | (0.148 - 0.16)/(21 - 5) | -0.00075 |
| ND<0.1 U (6/29/2018) | 0.16 (2/6/2014) | (0.1 - 0.16)/(22 - 5) | -0.00352941 |
| ND<0.1 U (8/2/2018) | 0.16 (2/6/2014) | (0.1 - 0.16)/(23 - 5) | -0.00333333 |
| ND<0.1 U (12/10/2018) | 0.16 (2/6/2014) | (0.1 - 0.16)/(24 - 5) | -0.00315789 |
| 0.108 (4/15/2019) | 0.16 (2/6/2014) | (0.108 - 0.16)/(25 - 5) | -0.0026 |
| 0.12 (6/12/2019) | 0.16 (2/6/2014) | (0.12 - 0.16)/(26 - 5) | -0.00190476 |
| ND<0.1 U (8/27/2019) | 0.16 (2/6/2014) | (0.1 - 0.16)/(27 - 5) | -0.00272727 |
| ND<0.1 U (10/29/2019) | 0.16 (2/6/2014) | (0.1 - 0.16)/(28 - 5) | -0.0026087 |
| ND<0.1 U (3/30/2020) | 0.16 (2/6/2014) | (0.1 - 0.16)/(29 - 5) | -0.0025 |
| 0.141 (6/16/2020) | 0.16 (2/6/2014) | (0.141 - 0.16)/(30 - 5) | -0.00076 |
| ND<0.1 U (9/21/2020) | 0.16 (2/6/2014) | (0.1 - 0.16)/(31 - 5) | -0.00230769 |
| 0.261 (12/17/2020) | 0.16 (2/6/2014) | (0.261 - 0.16)/(32 - 5) | 0.00374074 |
| ND<0.1 U (3/18/2021) | 0.16 (2/6/2014) | (0.1 - 0.16)/(33 - 5) | -0.00214286 |
| ND<0.1 U (5/5/2021) | 0.16 (2/6/2014) | (0.1 - 0.16)/(34 - 5) | -0.00206897 |

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|---|---|---|---|
| 0.21 (9/2/2021) | 0.16 (2/6/2014) | (0.21 - 0.16)/(35 - 5) | 0.00166667 |
| ND<0.1 U (11/23/2021) | 0.16 (2/6/2014) | (0.1 - 0.16)/(36 - 5) | -0.00193548 |
| 0.17 (1/11/2022) | 0.16 (2/6/2014) | (0.17 - 0.16)/(37 - 5) | 0.0003125 |
| ND<0.1 U (4/7/2022) | 0.16 (2/6/2014) | (0.1 - 0.16)/(38 - 5) | -0.00181818 |
| ND<0.1 U (8/2/2022) | 0.16 (2/6/2014) | (0.1 - 0.16)/(39 - 5) | -0.00176471 |
| ND<0.1 U (11/16/2022) | 0.16 (2/6/2014) | (0.1 - 0.16)/(40 - 5) | -0.00171429 |
| 0.107 (2/14/2023) | 0.16 (2/6/2014) | (0.107 - 0.16)/(41 - 5) | -0.00147222 |
| ND<0.05 U (5/25/2023) | 0.16 (2/6/2014) | (0.05 - 0.16)/(42 - 5) | -0.00297297 |
| ND<0.1 U (8/7/2023) | 0.16 (2/6/2014) | (0.1 - 0.16)/(43 - 5) | -0.00157895 |
| ND<0.05 U (12/12/2023) | 0.16 (2/6/2014) | (0.05 - 0.16)/(44 - 5) | -0.00282051 |
| 0.294 (1/10/2024) | 0.16 (2/6/2014) | (0.294 - 0.16)/(45 - 5) | 0.00335 |
| ND<0.1 U (5/21/2024) | 0.16 (2/6/2014) | (0.1 - 0.16)/(46 - 5) | -0.00146341 |
| ND<0.05 U (9/16/2024) | 0.16 (2/6/2014) | (0.05 - 0.16)/(47 - 5) | -0.00261905 |
| 0.315 (12/11/2024) | 0.16 (2/6/2014) | (0.315 - 0.16)/(48 - 5) | 0.00360465 |
| 0.141 (2/18/2025) | 0.16 (2/6/2014) | (0.141 - 0.16)/(49 - 5) | -0.000431818 |
| | | | |
| ND<0.1 U (9/19/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(8 - 6) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.26 - 0.1)/(9 - 6) | 0.0533333 |
| 0.2 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.2 - 0.1)/(10 - 6) | 0.025 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.14 - 0.1)/(12 - 6) | 0.00666667 |
| 0.11 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(13 - 6) | 0.00142857 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(16 - 6) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(17 - 6) | 0.00181818 |
| 0.28 (7/5/2017) | ND<0.1 U (6/26/2014) | (0.28 - 0.1)/(18 - 6) | 0.015 |
| 0.21 (8/16/2017) | ND<0.1 U (6/26/2014) | (0.21 - 0.1)/(19 - 6) | 0.00846154 |
| 0.24 (10/25/2017) | ND<0.1 U (6/26/2014) | (0.24 - 0.1)/(20 - 6) | 0.01 |
| 0.148 (3/28/2018) | ND<0.1 U (6/26/2014) | (0.148 - 0.1)/(21 - 6) | 0.0032 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(24 - 6) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (6/26/2014) | (0.108 - 0.1)/(25 - 6) | 0.000421053 |
| 0.12 (6/12/2019) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(26 - 6) | 0.001 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(28 - 6) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(29 - 6) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (6/26/2014) | (0.141 - 0.1)/(30 - 6) | 0.00170833 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (6/26/2014) | (0.261 - 0.1)/(32 - 6) | 0.00619231 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(33 - 6) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.21 - 0.1)/(35 - 6) | 0.0037931 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (6/26/2014) | (0.17 - 0.1)/(37 - 6) | 0.00225806 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(38 - 6) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (6/26/2014) | (0.107 - 0.1)/(41 - 6) | 0.0002 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(42 - 6) | -0.00138889 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(43 - 6) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(44 - 6) | -0.00131579 |
| 0.294 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.294 - 0.1)/(45 - 6) | 0.00497436 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(46 - 6) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(47 - 6) | -0.00121951 |

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|---|---|---|---|
| 0.315 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.315 - 0.1)/(48 - 6) | 0.00511905 |
| 0.141 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.141 - 0.1)/(49 - 6) | 0.000953488 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(8 - 7) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (9/19/2014) | (0.26 - 0.1)/(9 - 7) | 0.08 |
| 0.2 (4/22/2015) | ND<0.1 U (9/19/2014) | (0.2 - 0.1)/(10 - 7) | 0.0333333 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (9/19/2014) | (0.14 - 0.1)/(12 - 7) | 0.008 |
| 0.11 (3/15/2016) | ND<0.1 U (9/19/2014) | (0.11 - 0.1)/(13 - 7) | 0.00166667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/19/2014) | (0.12 - 0.1)/(17 - 7) | 0.002 |
| 0.28 (7/5/2017) | ND<0.1 U (9/19/2014) | (0.28 - 0.1)/(18 - 7) | 0.0163636 |
| 0.21 (8/16/2017) | ND<0.1 U (9/19/2014) | (0.21 - 0.1)/(19 - 7) | 0.00916667 |
| 0.24 (10/25/2017) | ND<0.1 U (9/19/2014) | (0.24 - 0.1)/(20 - 7) | 0.0107692 |
| 0.148 (3/28/2018) | ND<0.1 U (9/19/2014) | (0.148 - 0.1)/(21 - 7) | 0.00342857 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (9/19/2014) | (0.108 - 0.1)/(25 - 7) | 0.000444444 |
| 0.12 (6/12/2019) | ND<0.1 U (9/19/2014) | (0.12 - 0.1)/(26 - 7) | 0.00105263 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(28 - 7) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(29 - 7) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (9/19/2014) | (0.141 - 0.1)/(30 - 7) | 0.00178261 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (9/19/2014) | (0.261 - 0.1)/(32 - 7) | 0.00644 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (9/19/2014) | (0.21 - 0.1)/(35 - 7) | 0.00392857 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (9/19/2014) | (0.17 - 0.1)/(37 - 7) | 0.00233333 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (9/19/2014) | (0.107 - 0.1)/(41 - 7) | 0.000205882 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/19/2014) | (0.05 - 0.1)/(42 - 7) | -0.00142857 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/19/2014) | (0.05 - 0.1)/(44 - 7) | -0.00135135 |
| 0.294 (1/10/2024) | ND<0.1 U (9/19/2014) | (0.294 - 0.1)/(45 - 7) | 0.00510526 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/19/2014) | (0.1 - 0.1)/(46 - 7) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/19/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.315 (12/11/2024) | ND<0.1 U (9/19/2014) | (0.315 - 0.1)/(48 - 7) | 0.0052439 |
| 0.141 (2/18/2025) | ND<0.1 U (9/19/2014) | (0.141 - 0.1)/(49 - 7) | 0.00097619 |
| | | | |
| 0.26 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.26 - 0.1)/(9 - 8) | 0.16 |
| 0.2 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(10 - 8) | 0.05 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 8) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.14 - 0.1)/(12 - 8) | 0.01 |
| 0.11 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(13 - 8) | 0.002 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 8) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(17 - 8) | 0.00222222 |
| 0.28 (7/5/2017) | ND<0.1 U (9/30/2014) | (0.28 - 0.1)/(18 - 8) | 0.018 |
| 0.21 (8/16/2017) | ND<0.1 U (9/30/2014) | (0.21 - 0.1)/(19 - 8) | 0.01 |

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|---|---|---|---|
| 0.24 (10/25/2017) | ND<0.1 U (9/30/2014) | (0.24 - 0.1)/(20 - 8) | 0.0116667 |
| 0.148 (3/28/2018) | ND<0.1 U (9/30/2014) | (0.148 - 0.1)/(21 - 8) | 0.00369231 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 8) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 8) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 8) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(25 - 8) | 0.000470588 |
| 0.12 (6/12/2019) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(26 - 8) | 0.00111111 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 8) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 8) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(29 - 8) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (9/30/2014) | (0.141 - 0.1)/(30 - 8) | 0.00186364 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 8) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.261 - 0.1)/(32 - 8) | 0.00670833 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 8) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 8) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.21 - 0.1)/(35 - 8) | 0.00407407 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 8) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (9/30/2014) | (0.17 - 0.1)/(37 - 8) | 0.00241379 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 8) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 8) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (9/30/2014) | (0.107 - 0.1)/(41 - 8) | 0.000212121 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(42 - 8) | -0.00147059 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 8) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(44 - 8) | -0.00138889 |
| 0.294 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.294 - 0.1)/(45 - 8) | 0.00524324 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(46 - 8) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 8) | -0.00128205 |
| 0.315 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.315 - 0.1)/(48 - 8) | 0.005375 |
| 0.141 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.141 - 0.1)/(49 - 8) | 0.001 |

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|---|---|---|---|
| 0.2 (4/22/2015) | 0.26 (3/23/2015) | (0.2 - 0.26)/(10 - 9) | -0.06 |
| ND<0.1 U (9/30/2015) | 0.26 (3/23/2015) | (0.1 - 0.26)/(11 - 9) | -0.08 |
| 0.14 (11/19/2015) | 0.26 (3/23/2015) | (0.14 - 0.26)/(12 - 9) | -0.04 |
| 0.11 (3/15/2016) | 0.26 (3/23/2015) | (0.11 - 0.26)/(13 - 9) | -0.0375 |
| ND<0.1 U (6/29/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(14 - 9) | -0.032 |
| ND<0.1 U (8/9/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(15 - 9) | -0.0266667 |
| ND<0.1 U (12/7/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(16 - 9) | -0.0228571 |
| 0.12 (3/2/2017) | 0.26 (3/23/2015) | (0.12 - 0.26)/(17 - 9) | -0.0175 |
| 0.28 (7/5/2017) | 0.26 (3/23/2015) | (0.28 - 0.26)/(18 - 9) | 0.00222222 |
| 0.21 (8/16/2017) | 0.26 (3/23/2015) | (0.21 - 0.26)/(19 - 9) | -0.005 |
| 0.24 (10/25/2017) | 0.26 (3/23/2015) | (0.24 - 0.26)/(20 - 9) | -0.00181818 |
| 0.148 (3/28/2018) | 0.26 (3/23/2015) | (0.148 - 0.26)/(21 - 9) | -0.00933333 |
| ND<0.1 U (6/29/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(22 - 9) | -0.0123077 |
| ND<0.1 U (8/2/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(23 - 9) | -0.0114286 |
| ND<0.1 U (12/10/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(24 - 9) | -0.0106667 |
| 0.108 (4/15/2019) | 0.26 (3/23/2015) | (0.108 - 0.26)/(25 - 9) | -0.0095 |
| 0.12 (6/12/2019) | 0.26 (3/23/2015) | (0.12 - 0.26)/(26 - 9) | -0.00823529 |
| ND<0.1 U (8/27/2019) | 0.26 (3/23/2015) | (0.1 - 0.26)/(27 - 9) | -0.00888889 |
| ND<0.1 U (10/29/2019) | 0.26 (3/23/2015) | (0.1 - 0.26)/(28 - 9) | -0.00842105 |
| ND<0.1 U (3/30/2020) | 0.26 (3/23/2015) | (0.1 - 0.26)/(29 - 9) | -0.008 |
| 0.141 (6/16/2020) | 0.26 (3/23/2015) | (0.141 - 0.26)/(30 - 9) | -0.00566667 |
| ND<0.1 U (9/21/2020) | 0.26 (3/23/2015) | (0.1 - 0.26)/(31 - 9) | -0.00727273 |
| 0.261 (12/17/2020) | 0.26 (3/23/2015) | (0.261 - 0.26)/(32 - 9) | 4.34783e-05 |
| ND<0.1 U (3/18/2021) | 0.26 (3/23/2015) | (0.1 - 0.26)/(33 - 9) | -0.00666667 |
| ND<0.1 U (5/5/2021) | 0.26 (3/23/2015) | (0.1 - 0.26)/(34 - 9) | -0.0064 |
| 0.21 (9/2/2021) | 0.26 (3/23/2015) | (0.21 - 0.26)/(35 - 9) | -0.00192308 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | 0.26 (3/23/2015) | (0.1 - 0.26)/(36 - 9) | -0.00592593 |
| 0.17 (1/11/2022) | 0.26 (3/23/2015) | (0.17 - 0.26)/(37 - 9) | -0.00321429 |
| ND<0.1 U (4/7/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(38 - 9) | -0.00551724 |
| ND<0.1 U (8/2/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(39 - 9) | -0.00533333 |
| ND<0.1 U (11/16/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(40 - 9) | -0.00516129 |
| 0.107 (2/14/2023) | 0.26 (3/23/2015) | (0.107 - 0.26)/(41 - 9) | -0.00478125 |
| ND<0.05 U (5/25/2023) | 0.26 (3/23/2015) | (0.05 - 0.26)/(42 - 9) | -0.00636364 |
| ND<0.1 U (8/7/2023) | 0.26 (3/23/2015) | (0.1 - 0.26)/(43 - 9) | -0.00470588 |
| ND<0.05 U (12/12/2023) | 0.26 (3/23/2015) | (0.05 - 0.26)/(44 - 9) | -0.006 |
| 0.294 (1/10/2024) | 0.26 (3/23/2015) | (0.294 - 0.26)/(45 - 9) | 0.000944444 |
| ND<0.1 U (5/21/2024) | 0.26 (3/23/2015) | (0.1 - 0.26)/(46 - 9) | -0.00432432 |
| ND<0.05 U (9/16/2024) | 0.26 (3/23/2015) | (0.05 - 0.26)/(47 - 9) | -0.00552632 |
| 0.315 (12/11/2024) | 0.26 (3/23/2015) | (0.315 - 0.26)/(48 - 9) | 0.00141026 |
| 0.141 (2/18/2025) | 0.26 (3/23/2015) | (0.141 - 0.26)/(49 - 9) | -0.002975 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.2 (4/22/2015) | (0.1 - 0.2)/(11 - 10) | -0.1 |
| 0.14 (11/19/2015) | 0.2 (4/22/2015) | (0.14 - 0.2)/(12 - 10) | -0.03 |
| 0.11 (3/15/2016) | 0.2 (4/22/2015) | (0.11 - 0.2)/(13 - 10) | -0.03 |
| ND<0.1 U (6/29/2016) | 0.2 (4/22/2015) | (0.1 - 0.2)/(14 - 10) | -0.025 |
| ND<0.1 U (8/9/2016) | 0.2 (4/22/2015) | (0.1 - 0.2)/(15 - 10) | -0.02 |
| ND<0.1 U (12/7/2016) | 0.2 (4/22/2015) | (0.1 - 0.2)/(16 - 10) | -0.0166667 |
| 0.12 (3/2/2017) | 0.2 (4/22/2015) | (0.12 - 0.2)/(17 - 10) | -0.0114286 |
| 0.28 (7/5/2017) | 0.2 (4/22/2015) | (0.28 - 0.2)/(18 - 10) | 0.01 |
| 0.21 (8/16/2017) | 0.2 (4/22/2015) | (0.21 - 0.2)/(19 - 10) | 0.00111111 |
| 0.24 (10/25/2017) | 0.2 (4/22/2015) | (0.24 - 0.2)/(20 - 10) | 0.004 |
| 0.148 (3/28/2018) | 0.2 (4/22/2015) | (0.148 - 0.2)/(21 - 10) | -0.00472727 |
| ND<0.1 U (6/29/2018) | 0.2 (4/22/2015) | (0.1 - 0.2)/(22 - 10) | -0.00833333 |
| ND<0.1 U (8/2/2018) | 0.2 (4/22/2015) | (0.1 - 0.2)/(23 - 10) | -0.00769231 |
| ND<0.1 U (12/10/2018) | 0.2 (4/22/2015) | (0.1 - 0.2)/(24 - 10) | -0.00714286 |
| 0.108 (4/15/2019) | 0.2 (4/22/2015) | (0.108 - 0.2)/(25 - 10) | -0.00613333 |
| 0.12 (6/12/2019) | 0.2 (4/22/2015) | (0.12 - 0.2)/(26 - 10) | -0.005 |
| ND<0.1 U (8/27/2019) | 0.2 (4/22/2015) | (0.1 - 0.2)/(27 - 10) | -0.00588235 |
| ND<0.1 U (10/29/2019) | 0.2 (4/22/2015) | (0.1 - 0.2)/(28 - 10) | -0.00555556 |
| ND<0.1 U (3/30/2020) | 0.2 (4/22/2015) | (0.1 - 0.2)/(29 - 10) | -0.00526316 |
| 0.141 (6/16/2020) | 0.2 (4/22/2015) | (0.141 - 0.2)/(30 - 10) | -0.00295 |
| ND<0.1 U (9/21/2020) | 0.2 (4/22/2015) | (0.1 - 0.2)/(31 - 10) | -0.0047619 |
| 0.261 (12/17/2020) | 0.2 (4/22/2015) | (0.261 - 0.2)/(32 - 10) | 0.00277273 |
| ND<0.1 U (3/18/2021) | 0.2 (4/22/2015) | (0.1 - 0.2)/(33 - 10) | -0.00434783 |
| ND<0.1 U (5/5/2021) | 0.2 (4/22/2015) | (0.1 - 0.2)/(34 - 10) | -0.00416667 |
| 0.21 (9/2/2021) | 0.2 (4/22/2015) | (0.21 - 0.2)/(35 - 10) | 0.0004 |
| ND<0.1 U (11/23/2021) | 0.2 (4/22/2015) | (0.1 - 0.2)/(36 - 10) | -0.00384615 |
| 0.17 (1/11/2022) | 0.2 (4/22/2015) | (0.17 - 0.2)/(37 - 10) | -0.00111111 |
| ND<0.1 U (4/7/2022) | 0.2 (4/22/2015) | (0.1 - 0.2)/(38 - 10) | -0.00357143 |
| ND<0.1 U (8/2/2022) | 0.2 (4/22/2015) | (0.1 - 0.2)/(39 - 10) | -0.00344828 |
| ND<0.1 U (11/16/2022) | 0.2 (4/22/2015) | (0.1 - 0.2)/(40 - 10) | -0.00333333 |
| 0.107 (2/14/2023) | 0.2 (4/22/2015) | (0.107 - 0.2)/(41 - 10) | -0.003 |
| ND<0.05 U (5/25/2023) | 0.2 (4/22/2015) | (0.05 - 0.2)/(42 - 10) | -0.0046875 |
| ND<0.1 U (8/7/2023) | 0.2 (4/22/2015) | (0.1 - 0.2)/(43 - 10) | -0.0030303 |
| ND<0.05 U (12/12/2023) | 0.2 (4/22/2015) | (0.05 - 0.2)/(44 - 10) | -0.00441176 |
| 0.294 (1/10/2024) | 0.2 (4/22/2015) | (0.294 - 0.2)/(45 - 10) | 0.00268571 |
| ND<0.1 U (5/21/2024) | 0.2 (4/22/2015) | (0.1 - 0.2)/(46 - 10) | -0.00277778 |
| ND<0.05 U (9/16/2024) | 0.2 (4/22/2015) | (0.05 - 0.2)/(47 - 10) | -0.00405405 |
| 0.315 (12/11/2024) | 0.2 (4/22/2015) | (0.315 - 0.2)/(48 - 10) | 0.00302632 |
| 0.141 (2/18/2025) | 0.2 (4/22/2015) | (0.141 - 0.2)/(49 - 10) | -0.00151282 |
| | | | |
| 0.14 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.14 - 0.1)/(12 - 11) | 0.04 |
| 0.11 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.11 - 0.1)/(13 - 11) | 0.005 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(17 - 11) | 0.00333333 |
| 0.28 (7/5/2017) | ND<0.1 U (9/30/2015) | (0.28 - 0.1)/(18 - 11) | 0.0257143 |
| 0.21 (8/16/2017) | ND<0.1 U (9/30/2015) | (0.21 - 0.1)/(19 - 11) | 0.01375 |
| 0.24 (10/25/2017) | ND<0.1 U (9/30/2015) | (0.24 - 0.1)/(20 - 11) | 0.0155556 |
| 0.148 (3/28/2018) | ND<0.1 U (9/30/2015) | (0.148 - 0.1)/(21 - 11) | 0.0048 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(24 - 11) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (9/30/2015) | (0.108 - 0.1)/(25 - 11) | 0.000571429 |
| 0.12 (6/12/2019) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(26 - 11) | 0.00133333 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(28 - 11) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(29 - 11) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (9/30/2015) | (0.141 - 0.1)/(30 - 11) | 0.00215789 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.261 - 0.1)/(32 - 11) | 0.00766667 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(34 - 11) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.21 - 0.1)/(35 - 11) | 0.00458333 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (9/30/2015) | (0.17 - 0.1)/(37 - 11) | 0.00269231 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(38 - 11) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (9/30/2015) | (0.107 - 0.1)/(41 - 11) | 0.000233333 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(42 - 11) | -0.0016129 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(44 - 11) | -0.00151515 |
| 0.294 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.294 - 0.1)/(45 - 11) | 0.00570588 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(46 - 11) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.315 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.315 - 0.1)/(48 - 11) | 0.00581081 |
| 0.141 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.141 - 0.1)/(49 - 11) | 0.00107895 |

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|---|---|---|---|
| 0.11 (3/15/2016) | 0.14 (11/19/2015) | (0.11 - 0.14)/(13 - 12) | -0.03 |
| ND<0.1 U (6/29/2016) | 0.14 (11/19/2015) | (0.1 - 0.14)/(14 - 12) | -0.02 |
| ND<0.1 U (8/9/2016) | 0.14 (11/19/2015) | (0.1 - 0.14)/(15 - 12) | -0.0133333 |
| ND<0.1 U (12/7/2016) | 0.14 (11/19/2015) | (0.1 - 0.14)/(16 - 12) | -0.01 |
| 0.12 (3/2/2017) | 0.14 (11/19/2015) | (0.12 - 0.14)/(17 - 12) | -0.004 |
| 0.28 (7/5/2017) | 0.14 (11/19/2015) | (0.28 - 0.14)/(18 - 12) | 0.0233333 |
| 0.21 (8/16/2017) | 0.14 (11/19/2015) | (0.21 - 0.14)/(19 - 12) | 0.01 |
| 0.24 (10/25/2017) | 0.14 (11/19/2015) | (0.24 - 0.14)/(20 - 12) | 0.0125 |
| 0.148 (3/28/2018) | 0.14 (11/19/2015) | (0.148 - 0.14)/(21 - 12) | 0.000888889 |
| ND<0.1 U (6/29/2018) | 0.14 (11/19/2015) | (0.1 - 0.14)/(22 - 12) | -0.004 |
| ND<0.1 U (8/2/2018) | 0.14 (11/19/2015) | (0.1 - 0.14)/(23 - 12) | -0.00363636 |
| ND<0.1 U (12/10/2018) | 0.14 (11/19/2015) | (0.1 - 0.14)/(24 - 12) | -0.00333333 |
| 0.108 (4/15/2019) | 0.14 (11/19/2015) | (0.108 - 0.14)/(25 - 12) | -0.00246154 |
| 0.12 (6/12/2019) | 0.14 (11/19/2015) | (0.12 - 0.14)/(26 - 12) | -0.00142857 |
| ND<0.1 U (8/27/2019) | 0.14 (11/19/2015) | (0.1 - 0.14)/(27 - 12) | -0.00266667 |
| ND<0.1 U (10/29/2019) | 0.14 (11/19/2015) | (0.1 - 0.14)/(28 - 12) | -0.0025 |
| ND<0.1 U (3/30/2020) | 0.14 (11/19/2015) | (0.1 - 0.14)/(29 - 12) | -0.00235294 |
| 0.141 (6/16/2020) | 0.14 (11/19/2015) | (0.141 - 0.14)/(30 - 12) | 5.55556e-05 |
| ND<0.1 U (9/21/2020) | 0.14 (11/19/2015) | (0.1 - 0.14)/(31 - 12) | -0.00210526 |
| 0.261 (12/17/2020) | 0.14 (11/19/2015) | (0.261 - 0.14)/(32 - 12) | 0.00605 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.14 (11/19/2015) | (0.1 - 0.14)/(33 - 12) | -0.00190476 |
| ND<0.1 U (5/5/2021) | 0.14 (11/19/2015) | (0.1 - 0.14)/(34 - 12) | -0.00181818 |
| 0.21 (9/2/2021) | 0.14 (11/19/2015) | (0.21 - 0.14)/(35 - 12) | 0.00304348 |
| ND<0.1 U (11/23/2021) | 0.14 (11/19/2015) | (0.1 - 0.14)/(36 - 12) | -0.00166667 |
| 0.17 (1/11/2022) | 0.14 (11/19/2015) | (0.17 - 0.14)/(37 - 12) | 0.0012 |
| ND<0.1 U (4/7/2022) | 0.14 (11/19/2015) | (0.1 - 0.14)/(38 - 12) | -0.00153846 |
| ND<0.1 U (8/2/2022) | 0.14 (11/19/2015) | (0.1 - 0.14)/(39 - 12) | -0.00148148 |
| ND<0.1 U (11/16/2022) | 0.14 (11/19/2015) | (0.1 - 0.14)/(40 - 12) | -0.00142857 |
| 0.107 (2/14/2023) | 0.14 (11/19/2015) | (0.107 - 0.14)/(41 - 12) | -0.00113793 |
| ND<0.05 U (5/25/2023) | 0.14 (11/19/2015) | (0.05 - 0.14)/(42 - 12) | -0.003 |
| ND<0.1 U (8/7/2023) | 0.14 (11/19/2015) | (0.1 - 0.14)/(43 - 12) | -0.00129032 |
| ND<0.05 U (12/12/2023) | 0.14 (11/19/2015) | (0.05 - 0.14)/(44 - 12) | -0.0028125 |
| 0.294 (1/10/2024) | 0.14 (11/19/2015) | (0.294 - 0.14)/(45 - 12) | 0.00466667 |
| ND<0.1 U (5/21/2024) | 0.14 (11/19/2015) | (0.1 - 0.14)/(46 - 12) | -0.00117647 |
| ND<0.05 U (9/16/2024) | 0.14 (11/19/2015) | (0.05 - 0.14)/(47 - 12) | -0.00257143 |
| 0.315 (12/11/2024) | 0.14 (11/19/2015) | (0.315 - 0.14)/(48 - 12) | 0.00486111 |
| 0.141 (2/18/2025) | 0.14 (11/19/2015) | (0.141 - 0.14)/(49 - 12) | 2.7027e-05 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.11 (3/15/2016) | (0.1 - 0.11)/(14 - 13) | -0.01 |
| ND<0.1 U (8/9/2016) | 0.11 (3/15/2016) | (0.1 - 0.11)/(15 - 13) | -0.005 |
| ND<0.1 U (12/7/2016) | 0.11 (3/15/2016) | (0.1 - 0.11)/(16 - 13) | -0.00333333 |
| 0.12 (3/2/2017) | 0.11 (3/15/2016) | (0.12 - 0.11)/(17 - 13) | 0.0025 |
| 0.28 (7/5/2017) | 0.11 (3/15/2016) | (0.28 - 0.11)/(18 - 13) | 0.034 |
| 0.21 (8/16/2017) | 0.11 (3/15/2016) | (0.21 - 0.11)/(19 - 13) | 0.0166667 |
| 0.24 (10/25/2017) | 0.11 (3/15/2016) | (0.24 - 0.11)/(20 - 13) | 0.0185714 |
| 0.148 (3/28/2018) | 0.11 (3/15/2016) | (0.148 - 0.11)/(21 - 13) | 0.00475 |
| ND<0.1 U (6/29/2018) | 0.11 (3/15/2016) | (0.1 - 0.11)/(22 - 13) | -0.00111111 |
| ND<0.1 U (8/2/2018) | 0.11 (3/15/2016) | (0.1 - 0.11)/(23 - 13) | -0.001 |
| ND<0.1 U (12/10/2018) | 0.11 (3/15/2016) | (0.1 - 0.11)/(24 - 13) | -0.000909091 |
| 0.108 (4/15/2019) | 0.11 (3/15/2016) | (0.108 - 0.11)/(25 - 13) | -0.000166667 |
| 0.12 (6/12/2019) | 0.11 (3/15/2016) | (0.12 - 0.11)/(26 - 13) | 0.000769231 |
| ND<0.1 U (8/27/2019) | 0.11 (3/15/2016) | (0.1 - 0.11)/(27 - 13) | -0.000714286 |
| ND<0.1 U (10/29/2019) | 0.11 (3/15/2016) | (0.1 - 0.11)/(28 - 13) | -0.000666667 |
| ND<0.1 U (3/30/2020) | 0.11 (3/15/2016) | (0.1 - 0.11)/(29 - 13) | -0.000625 |
| 0.141 (6/16/2020) | 0.11 (3/15/2016) | (0.141 - 0.11)/(30 - 13) | 0.00182353 |
| ND<0.1 U (9/21/2020) | 0.11 (3/15/2016) | (0.1 - 0.11)/(31 - 13) | -0.000555556 |
| 0.261 (12/17/2020) | 0.11 (3/15/2016) | (0.261 - 0.11)/(32 - 13) | 0.00794737 |
| ND<0.1 U (3/18/2021) | 0.11 (3/15/2016) | (0.1 - 0.11)/(33 - 13) | -0.0005 |
| ND<0.1 U (5/5/2021) | 0.11 (3/15/2016) | (0.1 - 0.11)/(34 - 13) | -0.00047619 |
| 0.21 (9/2/2021) | 0.11 (3/15/2016) | (0.21 - 0.11)/(35 - 13) | 0.00454545 |
| ND<0.1 U (11/23/2021) | 0.11 (3/15/2016) | (0.1 - 0.11)/(36 - 13) | -0.000434783 |
| 0.17 (1/11/2022) | 0.11 (3/15/2016) | (0.17 - 0.11)/(37 - 13) | 0.0025 |
| ND<0.1 U (4/7/2022) | 0.11 (3/15/2016) | (0.1 - 0.11)/(38 - 13) | -0.0004 |
| ND<0.1 U (8/2/2022) | 0.11 (3/15/2016) | (0.1 - 0.11)/(39 - 13) | -0.000384615 |
| ND<0.1 U (11/16/2022) | 0.11 (3/15/2016) | (0.1 - 0.11)/(40 - 13) | -0.00037037 |
| 0.107 (2/14/2023) | 0.11 (3/15/2016) | (0.107 - 0.11)/(41 - 13) | -0.000107143 |
| ND<0.05 U (5/25/2023) | 0.11 (3/15/2016) | (0.05 - 0.11)/(42 - 13) | -0.00206897 |
| ND<0.1 U (8/7/2023) | 0.11 (3/15/2016) | (0.1 - 0.11)/(43 - 13) | -0.000333333 |
| ND<0.05 U (12/12/2023) | 0.11 (3/15/2016) | (0.05 - 0.11)/(44 - 13) | -0.00193548 |
| 0.294 (1/10/2024) | 0.11 (3/15/2016) | (0.294 - 0.11)/(45 - 13) | 0.00575 |
| ND<0.1 U (5/21/2024) | 0.11 (3/15/2016) | (0.1 - 0.11)/(46 - 13) | -0.00030303 |
| ND<0.05 U (9/16/2024) | 0.11 (3/15/2016) | (0.05 - 0.11)/(47 - 13) | -0.00176471 |
| 0.315 (12/11/2024) | 0.11 (3/15/2016) | (0.315 - 0.11)/(48 - 13) | 0.00585714 |
| 0.141 (2/18/2025) | 0.11 (3/15/2016) | (0.141 - 0.11)/(49 - 13) | 0.000861111 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |

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|---|---|---|---|
| 0.12 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(17 - 14) | 0.00666667 |
| 0.28 (7/5/2017) | ND<0.1 U (6/29/2016) | (0.28 - 0.1)/(18 - 14) | 0.045 |
| 0.21 (8/16/2017) | ND<0.1 U (6/29/2016) | (0.21 - 0.1)/(19 - 14) | 0.022 |
| 0.24 (10/25/2017) | ND<0.1 U (6/29/2016) | (0.24 - 0.1)/(20 - 14) | 0.0233333 |
| 0.148 (3/28/2018) | ND<0.1 U (6/29/2016) | (0.148 - 0.1)/(21 - 14) | 0.00685714 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(25 - 14) | 0.000727273 |
| 0.12 (6/12/2019) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(26 - 14) | 0.00166667 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(29 - 14) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (6/29/2016) | (0.141 - 0.1)/(30 - 14) | 0.0025625 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.261 - 0.1)/(32 - 14) | 0.00894444 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.21 - 0.1)/(35 - 14) | 0.0052381 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (6/29/2016) | (0.17 - 0.1)/(37 - 14) | 0.00304348 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(38 - 14) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (6/29/2016) | (0.107 - 0.1)/(41 - 14) | 0.000259259 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(42 - 14) | -0.00178571 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(44 - 14) | -0.00166667 |
| 0.294 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.294 - 0.1)/(45 - 14) | 0.00625806 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(46 - 14) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.315 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.315 - 0.1)/(48 - 14) | 0.00632353 |
| 0.141 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.141 - 0.1)/(49 - 14) | 0.00117143 |

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|---|---|---|---|
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(17 - 15) | 0.01 |
| 0.28 (7/5/2017) | ND<0.1 U (8/9/2016) | (0.28 - 0.1)/(18 - 15) | 0.06 |
| 0.21 (8/16/2017) | ND<0.1 U (8/9/2016) | (0.21 - 0.1)/(19 - 15) | 0.0275 |
| 0.24 (10/25/2017) | ND<0.1 U (8/9/2016) | (0.24 - 0.1)/(20 - 15) | 0.028 |
| 0.148 (3/28/2018) | ND<0.1 U (8/9/2016) | (0.148 - 0.1)/(21 - 15) | 0.008 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(25 - 15) | 0.0008 |
| 0.12 (6/12/2019) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(26 - 15) | 0.00181818 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(29 - 15) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (8/9/2016) | (0.141 - 0.1)/(30 - 15) | 0.00273333 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.261 - 0.1)/(32 - 15) | 0.00947059 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.21 - 0.1)/(35 - 15) | 0.0055 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (8/9/2016) | (0.17 - 0.1)/(37 - 15) | 0.00318182 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(38 - 15) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (8/9/2016) | (0.107 - 0.1)/(41 - 15) | 0.000269231 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(42 - 15) | -0.00185185 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(43 - 15) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(44 - 15) | -0.00172414 |
| 0.294 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.294 - 0.1)/(45 - 15) | 0.00646667 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(46 - 15) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(47 - 15) | -0.0015625 |
| 0.315 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.315 - 0.1)/(48 - 15) | 0.00651515 |
| 0.141 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.141 - 0.1)/(49 - 15) | 0.00120588 |
| | | | |
| 0.12 (3/2/2017) | ND<0.1 U (12/7/2016) | (0.12 - 0.1)/(17 - 16) | 0.02 |
| 0.28 (7/5/2017) | ND<0.1 U (12/7/2016) | (0.28 - 0.1)/(18 - 16) | 0.09 |
| 0.21 (8/16/2017) | ND<0.1 U (12/7/2016) | (0.21 - 0.1)/(19 - 16) | 0.0366667 |
| 0.24 (10/25/2017) | ND<0.1 U (12/7/2016) | (0.24 - 0.1)/(20 - 16) | 0.035 |
| 0.148 (3/28/2018) | ND<0.1 U (12/7/2016) | (0.148 - 0.1)/(21 - 16) | 0.0096 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(23 - 16) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(24 - 16) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (12/7/2016) | (0.108 - 0.1)/(25 - 16) | 0.000888889 |
| 0.12 (6/12/2019) | ND<0.1 U (12/7/2016) | (0.12 - 0.1)/(26 - 16) | 0.002 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(27 - 16) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(28 - 16) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(29 - 16) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (12/7/2016) | (0.141 - 0.1)/(30 - 16) | 0.00292857 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(31 - 16) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (12/7/2016) | (0.261 - 0.1)/(32 - 16) | 0.0100625 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(33 - 16) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(34 - 16) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (12/7/2016) | (0.21 - 0.1)/(35 - 16) | 0.00578947 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(36 - 16) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (12/7/2016) | (0.17 - 0.1)/(37 - 16) | 0.00333333 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(38 - 16) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (12/7/2016) | (0.107 - 0.1)/(41 - 16) | 0.00028 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(42 - 16) | -0.00192308 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(43 - 16) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(44 - 16) | -0.00178571 |
| 0.294 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.294 - 0.1)/(45 - 16) | 0.00668966 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(46 - 16) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(47 - 16) | -0.0016129 |
| 0.315 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.315 - 0.1)/(48 - 16) | 0.00671875 |
| 0.141 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.141 - 0.1)/(49 - 16) | 0.00124242 |
| | | | |
| 0.28 (7/5/2017) | 0.12 (3/2/2017) | (0.28 - 0.12)/(18 - 17) | 0.16 |
| 0.21 (8/16/2017) | 0.12 (3/2/2017) | (0.21 - 0.12)/(19 - 17) | 0.045 |
| 0.24 (10/25/2017) | 0.12 (3/2/2017) | (0.24 - 0.12)/(20 - 17) | 0.04 |
| 0.148 (3/28/2018) | 0.12 (3/2/2017) | (0.148 - 0.12)/(21 - 17) | 0.007 |
| ND<0.1 U (6/29/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(22 - 17) | -0.004 |
| ND<0.1 U (8/2/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(23 - 17) | -0.00333333 |
| ND<0.1 U (12/10/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(24 - 17) | -0.00285714 |
| 0.108 (4/15/2019) | 0.12 (3/2/2017) | (0.108 - 0.12)/(25 - 17) | -0.0015 |
| 0.12 (6/12/2019) | 0.12 (3/2/2017) | (0.12 - 0.12)/(26 - 17) | 0 |
| ND<0.1 U (8/27/2019) | 0.12 (3/2/2017) | (0.1 - 0.12)/(27 - 17) | -0.002 |
| ND<0.1 U (10/29/2019) | 0.12 (3/2/2017) | (0.1 - 0.12)/(28 - 17) | -0.00181818 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(29 - 17) | -0.00166667 |
| 0.141 (6/16/2020) | 0.12 (3/2/2017) | (0.141 - 0.12)/(30 - 17) | 0.00161538 |
| ND<0.1 U (9/21/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(31 - 17) | -0.00142857 |
| 0.261 (12/17/2020) | 0.12 (3/2/2017) | (0.261 - 0.12)/(32 - 17) | 0.0094 |
| ND<0.1 U (3/18/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(33 - 17) | -0.00125 |
| ND<0.1 U (5/5/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(34 - 17) | -0.00117647 |
| 0.21 (9/2/2021) | 0.12 (3/2/2017) | (0.21 - 0.12)/(35 - 17) | 0.005 |
| ND<0.1 U (11/23/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(36 - 17) | -0.00105263 |
| 0.17 (1/11/2022) | 0.12 (3/2/2017) | (0.17 - 0.12)/(37 - 17) | 0.0025 |
| ND<0.1 U (4/7/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(38 - 17) | -0.000952381 |
| ND<0.1 U (8/2/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(39 - 17) | -0.000909091 |
| ND<0.1 U (11/16/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(40 - 17) | -0.000869565 |
| 0.107 (2/14/2023) | 0.12 (3/2/2017) | (0.107 - 0.12)/(41 - 17) | -0.000541667 |
| ND<0.05 U (5/25/2023) | 0.12 (3/2/2017) | (0.05 - 0.12)/(42 - 17) | -0.0028 |
| ND<0.1 U (8/7/2023) | 0.12 (3/2/2017) | (0.1 - 0.12)/(43 - 17) | -0.000769231 |
| ND<0.05 U (12/12/2023) | 0.12 (3/2/2017) | (0.05 - 0.12)/(44 - 17) | -0.00259259 |
| 0.294 (1/10/2024) | 0.12 (3/2/2017) | (0.294 - 0.12)/(45 - 17) | 0.00621429 |
| ND<0.1 U (5/21/2024) | 0.12 (3/2/2017) | (0.1 - 0.12)/(46 - 17) | -0.000689655 |
| ND<0.05 U (9/16/2024) | 0.12 (3/2/2017) | (0.05 - 0.12)/(47 - 17) | -0.00233333 |
| 0.315 (12/11/2024) | 0.12 (3/2/2017) | (0.315 - 0.12)/(48 - 17) | 0.00629032 |
| 0.141 (2/18/2025) | 0.12 (3/2/2017) | (0.141 - 0.12)/(49 - 17) | 0.00065625 |
| | | | |
| 0.21 (8/16/2017) | 0.28 (7/5/2017) | (0.21 - 0.28)/(19 - 18) | -0.07 |
| 0.24 (10/25/2017) | 0.28 (7/5/2017) | (0.24 - 0.28)/(20 - 18) | -0.02 |
| 0.148 (3/28/2018) | 0.28 (7/5/2017) | (0.148 - 0.28)/(21 - 18) | -0.044 |
| ND<0.1 U (6/29/2018) | 0.28 (7/5/2017) | (0.1 - 0.28)/(22 - 18) | -0.045 |
| ND<0.1 U (8/2/2018) | 0.28 (7/5/2017) | (0.1 - 0.28)/(23 - 18) | -0.036 |
| ND<0.1 U (12/10/2018) | 0.28 (7/5/2017) | (0.1 - 0.28)/(24 - 18) | -0.03 |
| 0.108 (4/15/2019) | 0.28 (7/5/2017) | (0.108 - 0.28)/(25 - 18) | -0.0245714 |
| 0.12 (6/12/2019) | 0.28 (7/5/2017) | (0.12 - 0.28)/(26 - 18) | -0.02 |
| ND<0.1 U (8/27/2019) | 0.28 (7/5/2017) | (0.1 - 0.28)/(27 - 18) | -0.02 |
| ND<0.1 U (10/29/2019) | 0.28 (7/5/2017) | (0.1 - 0.28)/(28 - 18) | -0.018 |
| ND<0.1 U (3/30/2020) | 0.28 (7/5/2017) | (0.1 - 0.28)/(29 - 18) | -0.0163636 |
| 0.141 (6/16/2020) | 0.28 (7/5/2017) | (0.141 - 0.28)/(30 - 18) | -0.0115833 |
| ND<0.1 U (9/21/2020) | 0.28 (7/5/2017) | (0.1 - 0.28)/(31 - 18) | -0.0138462 |
| 0.261 (12/17/2020) | 0.28 (7/5/2017) | (0.261 - 0.28)/(32 - 18) | -0.00135714 |
| ND<0.1 U (3/18/2021) | 0.28 (7/5/2017) | (0.1 - 0.28)/(33 - 18) | -0.012 |
| ND<0.1 U (5/5/2021) | 0.28 (7/5/2017) | (0.1 - 0.28)/(34 - 18) | -0.01125 |
| 0.21 (9/2/2021) | 0.28 (7/5/2017) | (0.21 - 0.28)/(35 - 18) | -0.00411765 |
| ND<0.1 U (11/23/2021) | 0.28 (7/5/2017) | (0.1 - 0.28)/(36 - 18) | -0.01 |
| 0.17 (1/11/2022) | 0.28 (7/5/2017) | (0.17 - 0.28)/(37 - 18) | -0.00578947 |
| ND<0.1 U (4/7/2022) | 0.28 (7/5/2017) | (0.1 - 0.28)/(38 - 18) | -0.009 |
| ND<0.1 U (8/2/2022) | 0.28 (7/5/2017) | (0.1 - 0.28)/(39 - 18) | -0.00857143 |
| ND<0.1 U (11/16/2022) | 0.28 (7/5/2017) | (0.1 - 0.28)/(40 - 18) | -0.00818182 |
| 0.107 (2/14/2023) | 0.28 (7/5/2017) | (0.107 - 0.28)/(41 - 18) | -0.00752174 |
| ND<0.05 U (5/25/2023) | 0.28 (7/5/2017) | (0.05 - 0.28)/(42 - 18) | -0.00958333 |
| ND<0.1 U (8/7/2023) | 0.28 (7/5/2017) | (0.1 - 0.28)/(43 - 18) | -0.0072 |
| ND<0.05 U (12/12/2023) | 0.28 (7/5/2017) | (0.05 - 0.28)/(44 - 18) | -0.00884615 |
| 0.294 (1/10/2024) | 0.28 (7/5/2017) | (0.294 - 0.28)/(45 - 18) | 0.000518519 |
| ND<0.1 U (5/21/2024) | 0.28 (7/5/2017) | (0.1 - 0.28)/(46 - 18) | -0.00642857 |
| ND<0.05 U (9/16/2024) | 0.28 (7/5/2017) | (0.05 - 0.28)/(47 - 18) | -0.00793103 |
| 0.315 (12/11/2024) | 0.28 (7/5/2017) | (0.315 - 0.28)/(48 - 18) | 0.00116667 |
| 0.141 (2/18/2025) | 0.28 (7/5/2017) | (0.141 - 0.28)/(49 - 18) | -0.00448387 |
| | | | |
| 0.24 (10/25/2017) | 0.21 (8/16/2017) | (0.24 - 0.21)/(20 - 19) | 0.03 |
| 0.148 (3/28/2018) | 0.21 (8/16/2017) | (0.148 - 0.21)/(21 - 19) | -0.031 |
| ND<0.1 U (6/29/2018) | 0.21 (8/16/2017) | (0.1 - 0.21)/(22 - 19) | -0.0366667 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | 0.21 (8/16/2017) | (0.1 - 0.21)/(23 - 19) | -0.0275 |
| ND<0.1 U (12/10/2018) | 0.21 (8/16/2017) | (0.1 - 0.21)/(24 - 19) | -0.022 |
| 0.108 (4/15/2019) | 0.21 (8/16/2017) | (0.108 - 0.21)/(25 - 19) | -0.017 |
| 0.12 (6/12/2019) | 0.21 (8/16/2017) | (0.12 - 0.21)/(26 - 19) | -0.0128571 |
| ND<0.1 U (8/27/2019) | 0.21 (8/16/2017) | (0.1 - 0.21)/(27 - 19) | -0.01375 |
| ND<0.1 U (10/29/2019) | 0.21 (8/16/2017) | (0.1 - 0.21)/(28 - 19) | -0.0122222 |
| ND<0.1 U (3/30/2020) | 0.21 (8/16/2017) | (0.1 - 0.21)/(29 - 19) | -0.011 |
| 0.141 (6/16/2020) | 0.21 (8/16/2017) | (0.141 - 0.21)/(30 - 19) | -0.00627273 |
| ND<0.1 U (9/21/2020) | 0.21 (8/16/2017) | (0.1 - 0.21)/(31 - 19) | -0.00916667 |
| 0.261 (12/17/2020) | 0.21 (8/16/2017) | (0.261 - 0.21)/(32 - 19) | 0.00392308 |
| ND<0.1 U (3/18/2021) | 0.21 (8/16/2017) | (0.1 - 0.21)/(33 - 19) | -0.00785714 |
| ND<0.1 U (5/5/2021) | 0.21 (8/16/2017) | (0.1 - 0.21)/(34 - 19) | -0.00733333 |
| 0.21 (9/2/2021) | 0.21 (8/16/2017) | (0.21 - 0.21)/(35 - 19) | 0 |
| ND<0.1 U (11/23/2021) | 0.21 (8/16/2017) | (0.1 - 0.21)/(36 - 19) | -0.00647059 |
| 0.17 (1/11/2022) | 0.21 (8/16/2017) | (0.17 - 0.21)/(37 - 19) | -0.00222222 |
| ND<0.1 U (4/7/2022) | 0.21 (8/16/2017) | (0.1 - 0.21)/(38 - 19) | -0.00578947 |
| ND<0.1 U (8/2/2022) | 0.21 (8/16/2017) | (0.1 - 0.21)/(39 - 19) | -0.0055 |
| ND<0.1 U (11/16/2022) | 0.21 (8/16/2017) | (0.1 - 0.21)/(40 - 19) | -0.0052381 |
| 0.107 (2/14/2023) | 0.21 (8/16/2017) | (0.107 - 0.21)/(41 - 19) | -0.00468182 |
| ND<0.05 U (5/25/2023) | 0.21 (8/16/2017) | (0.05 - 0.21)/(42 - 19) | -0.00695652 |
| ND<0.1 U (8/7/2023) | 0.21 (8/16/2017) | (0.1 - 0.21)/(43 - 19) | -0.00458333 |
| ND<0.05 U (12/12/2023) | 0.21 (8/16/2017) | (0.05 - 0.21)/(44 - 19) | -0.0064 |
| 0.294 (1/10/2024) | 0.21 (8/16/2017) | (0.294 - 0.21)/(45 - 19) | 0.00323077 |
| ND<0.1 U (5/21/2024) | 0.21 (8/16/2017) | (0.1 - 0.21)/(46 - 19) | -0.00407407 |
| ND<0.05 U (9/16/2024) | 0.21 (8/16/2017) | (0.05 - 0.21)/(47 - 19) | -0.00571429 |
| 0.315 (12/11/2024) | 0.21 (8/16/2017) | (0.315 - 0.21)/(48 - 19) | 0.00362069 |
| 0.141 (2/18/2025) | 0.21 (8/16/2017) | (0.141 - 0.21)/(49 - 19) | -0.0023 |
| | | | |
| 0.148 (3/28/2018) | 0.24 (10/25/2017) | (0.148 - 0.24)/(21 - 20) | -0.092 |
| ND<0.1 U (6/29/2018) | 0.24 (10/25/2017) | (0.1 - 0.24)/(22 - 20) | -0.07 |
| ND<0.1 U (8/2/2018) | 0.24 (10/25/2017) | (0.1 - 0.24)/(23 - 20) | -0.0466667 |
| ND<0.1 U (12/10/2018) | 0.24 (10/25/2017) | (0.1 - 0.24)/(24 - 20) | -0.035 |
| 0.108 (4/15/2019) | 0.24 (10/25/2017) | (0.108 - 0.24)/(25 - 20) | -0.0264 |
| 0.12 (6/12/2019) | 0.24 (10/25/2017) | (0.12 - 0.24)/(26 - 20) | -0.02 |
| ND<0.1 U (8/27/2019) | 0.24 (10/25/2017) | (0.1 - 0.24)/(27 - 20) | -0.02 |
| ND<0.1 U (10/29/2019) | 0.24 (10/25/2017) | (0.1 - 0.24)/(28 - 20) | -0.0175 |
| ND<0.1 U (3/30/2020) | 0.24 (10/25/2017) | (0.1 - 0.24)/(29 - 20) | -0.0155556 |
| 0.141 (6/16/2020) | 0.24 (10/25/2017) | (0.141 - 0.24)/(30 - 20) | -0.0099 |
| ND<0.1 U (9/21/2020) | 0.24 (10/25/2017) | (0.1 - 0.24)/(31 - 20) | -0.0127273 |
| 0.261 (12/17/2020) | 0.24 (10/25/2017) | (0.261 - 0.24)/(32 - 20) | 0.00175 |
| ND<0.1 U (3/18/2021) | 0.24 (10/25/2017) | (0.1 - 0.24)/(33 - 20) | -0.0107692 |
| ND<0.1 U (5/5/2021) | 0.24 (10/25/2017) | (0.1 - 0.24)/(34 - 20) | -0.01 |
| 0.21 (9/2/2021) | 0.24 (10/25/2017) | (0.21 - 0.24)/(35 - 20) | -0.002 |
| ND<0.1 U (11/23/2021) | 0.24 (10/25/2017) | (0.1 - 0.24)/(36 - 20) | -0.00875 |
| 0.17 (1/11/2022) | 0.24 (10/25/2017) | (0.17 - 0.24)/(37 - 20) | -0.00411765 |
| ND<0.1 U (4/7/2022) | 0.24 (10/25/2017) | (0.1 - 0.24)/(38 - 20) | -0.00777778 |
| ND<0.1 U (8/2/2022) | 0.24 (10/25/2017) | (0.1 - 0.24)/(39 - 20) | -0.00736842 |
| ND<0.1 U (11/16/2022) | 0.24 (10/25/2017) | (0.1 - 0.24)/(40 - 20) | -0.007 |
| 0.107 (2/14/2023) | 0.24 (10/25/2017) | (0.107 - 0.24)/(41 - 20) | -0.00633333 |
| ND<0.05 U (5/25/2023) | 0.24 (10/25/2017) | (0.05 - 0.24)/(42 - 20) | -0.00863636 |
| ND<0.1 U (8/7/2023) | 0.24 (10/25/2017) | (0.1 - 0.24)/(43 - 20) | -0.00608696 |
| ND<0.05 U (12/12/2023) | 0.24 (10/25/2017) | (0.05 - 0.24)/(44 - 20) | -0.00791667 |
| 0.294 (1/10/2024) | 0.24 (10/25/2017) | (0.294 - 0.24)/(45 - 20) | 0.00216 |
| ND<0.1 U (5/21/2024) | 0.24 (10/25/2017) | (0.1 - 0.24)/(46 - 20) | -0.00538462 |
| ND<0.05 U (9/16/2024) | 0.24 (10/25/2017) | (0.05 - 0.24)/(47 - 20) | -0.00703704 |
| 0.315 (12/11/2024) | 0.24 (10/25/2017) | (0.315 - 0.24)/(48 - 20) | 0.00267857 |
| 0.141 (2/18/2025) | 0.24 (10/25/2017) | (0.141 - 0.24)/(49 - 20) | -0.00341379 |

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|---|---|---|---|
| ND<0.1 U (6/29/2018) | 0.148 (3/28/2018) | (0.1 - 0.148)/(22 - 21) | -0.048 |
| ND<0.1 U (8/2/2018) | 0.148 (3/28/2018) | (0.1 - 0.148)/(23 - 21) | -0.024 |
| ND<0.1 U (12/10/2018) | 0.148 (3/28/2018) | (0.1 - 0.148)/(24 - 21) | -0.016 |
| 0.108 (4/15/2019) | 0.148 (3/28/2018) | (0.108 - 0.148)/(25 - 21) | -0.01 |
| 0.12 (6/12/2019) | 0.148 (3/28/2018) | (0.12 - 0.148)/(26 - 21) | -0.0056 |
| ND<0.1 U (8/27/2019) | 0.148 (3/28/2018) | (0.1 - 0.148)/(27 - 21) | -0.008 |
| ND<0.1 U (10/29/2019) | 0.148 (3/28/2018) | (0.1 - 0.148)/(28 - 21) | -0.00685714 |
| ND<0.1 U (3/30/2020) | 0.148 (3/28/2018) | (0.1 - 0.148)/(29 - 21) | -0.006 |
| 0.141 (6/16/2020) | 0.148 (3/28/2018) | (0.141 - 0.148)/(30 - 21) | -0.000777778 |
| ND<0.1 U (9/21/2020) | 0.148 (3/28/2018) | (0.1 - 0.148)/(31 - 21) | -0.0048 |
| 0.261 (12/17/2020) | 0.148 (3/28/2018) | (0.261 - 0.148)/(32 - 21) | 0.0102727 |
| ND<0.1 U (3/18/2021) | 0.148 (3/28/2018) | (0.1 - 0.148)/(33 - 21) | -0.004 |
| ND<0.1 U (5/5/2021) | 0.148 (3/28/2018) | (0.1 - 0.148)/(34 - 21) | -0.00369231 |
| 0.21 (9/2/2021) | 0.148 (3/28/2018) | (0.21 - 0.148)/(35 - 21) | 0.00442857 |
| ND<0.1 U (11/23/2021) | 0.148 (3/28/2018) | (0.1 - 0.148)/(36 - 21) | -0.0032 |
| 0.17 (1/11/2022) | 0.148 (3/28/2018) | (0.17 - 0.148)/(37 - 21) | 0.001375 |
| ND<0.1 U (4/7/2022) | 0.148 (3/28/2018) | (0.1 - 0.148)/(38 - 21) | -0.00282353 |
| ND<0.1 U (8/2/2022) | 0.148 (3/28/2018) | (0.1 - 0.148)/(39 - 21) | -0.00266667 |
| ND<0.1 U (11/16/2022) | 0.148 (3/28/2018) | (0.1 - 0.148)/(40 - 21) | -0.00252632 |
| 0.107 (2/14/2023) | 0.148 (3/28/2018) | (0.107 - 0.148)/(41 - 21) | -0.00205 |
| ND<0.05 U (5/25/2023) | 0.148 (3/28/2018) | (0.05 - 0.148)/(42 - 21) | -0.00466667 |
| ND<0.1 U (8/7/2023) | 0.148 (3/28/2018) | (0.1 - 0.148)/(43 - 21) | -0.00218182 |
| ND<0.05 U (12/12/2023) | 0.148 (3/28/2018) | (0.05 - 0.148)/(44 - 21) | -0.00426087 |
| 0.294 (1/10/2024) | 0.148 (3/28/2018) | (0.294 - 0.148)/(45 - 21) | 0.00608333 |
| ND<0.1 U (5/21/2024) | 0.148 (3/28/2018) | (0.1 - 0.148)/(46 - 21) | -0.00192 |
| ND<0.05 U (9/16/2024) | 0.148 (3/28/2018) | (0.05 - 0.148)/(47 - 21) | -0.00376923 |
| 0.315 (12/11/2024) | 0.148 (3/28/2018) | (0.315 - 0.148)/(48 - 21) | 0.00618519 |
| 0.141 (2/18/2025) | 0.148 (3/28/2018) | (0.141 - 0.148)/(49 - 21) | -0.00025 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(24 - 22) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (6/29/2018) | (0.108 - 0.1)/(25 - 22) | 0.00266667 |
| 0.12 (6/12/2019) | ND<0.1 U (6/29/2018) | (0.12 - 0.1)/(26 - 22) | 0.005 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(28 - 22) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(29 - 22) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (6/29/2018) | (0.141 - 0.1)/(30 - 22) | 0.005125 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (6/29/2018) | (0.261 - 0.1)/(32 - 22) | 0.0161 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (6/29/2018) | (0.21 - 0.1)/(35 - 22) | 0.00846154 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (6/29/2018) | (0.17 - 0.1)/(37 - 22) | 0.00466667 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(38 - 22) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (6/29/2018) | (0.107 - 0.1)/(41 - 22) | 0.000368421 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(42 - 22) | -0.0025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(43 - 22) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(44 - 22) | -0.00227273 |
| 0.294 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.294 - 0.1)/(45 - 22) | 0.00843478 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(46 - 22) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(47 - 22) | -0.002 |
| 0.315 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.315 - 0.1)/(48 - 22) | 0.00826923 |
| 0.141 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.141 - 0.1)/(49 - 22) | 0.00151852 |

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|---|---|---|---|
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(24 - 23) | 0 |
| 0.108 (4/15/2019) | ND<0.1 U (8/2/2018) | (0.108 - 0.1)/(25 - 23) | 0.004 |
| 0.12 (6/12/2019) | ND<0.1 U (8/2/2018) | (0.12 - 0.1)/(26 - 23) | 0.00666667 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(27 - 23) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(28 - 23) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(29 - 23) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (8/2/2018) | (0.141 - 0.1)/(30 - 23) | 0.00585714 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (8/2/2018) | (0.261 - 0.1)/(32 - 23) | 0.0178889 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(33 - 23) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(34 - 23) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (8/2/2018) | (0.21 - 0.1)/(35 - 23) | 0.00916667 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(36 - 23) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (8/2/2018) | (0.17 - 0.1)/(37 - 23) | 0.005 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(38 - 23) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (8/2/2018) | (0.107 - 0.1)/(41 - 23) | 0.000388889 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(42 - 23) | -0.00263158 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(43 - 23) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(44 - 23) | -0.00238095 |
| 0.294 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.294 - 0.1)/(45 - 23) | 0.00881818 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(46 - 23) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(47 - 23) | -0.00208333 |
| 0.315 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.315 - 0.1)/(48 - 23) | 0.0086 |
| 0.141 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.141 - 0.1)/(49 - 23) | 0.00157692 |
| | | | |
| 0.108 (4/15/2019) | ND<0.1 U (12/10/2018) | (0.108 - 0.1)/(25 - 24) | 0.008 |
| 0.12 (6/12/2019) | ND<0.1 U (12/10/2018) | (0.12 - 0.1)/(26 - 24) | 0.01 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(27 - 24) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(28 - 24) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(29 - 24) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (12/10/2018) | (0.141 - 0.1)/(30 - 24) | 0.00683333 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(31 - 24) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (12/10/2018) | (0.261 - 0.1)/(32 - 24) | 0.020125 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(33 - 24) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(34 - 24) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (12/10/2018) | (0.21 - 0.1)/(35 - 24) | 0.01 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(36 - 24) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (12/10/2018) | (0.17 - 0.1)/(37 - 24) | 0.00538462 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(38 - 24) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (12/10/2018) | (0.107 - 0.1)/(41 - 24) | 0.000411765 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/10/2018) | (0.05 - 0.1)/(42 - 24) | -0.00277778 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(43 - 24) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (12/10/2018) | (0.05 - 0.1)/(44 - 24) | -0.0025 |
| 0.294 (1/10/2024) | ND<0.1 U (12/10/2018) | (0.294 - 0.1)/(45 - 24) | 0.0092381 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(46 - 24) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/10/2018) | (0.05 - 0.1)/(47 - 24) | -0.00217391 |
| 0.315 (12/11/2024) | ND<0.1 U (12/10/2018) | (0.315 - 0.1)/(48 - 24) | 0.00895833 |
| 0.141 (2/18/2025) | ND<0.1 U (12/10/2018) | (0.141 - 0.1)/(49 - 24) | 0.00164 |
| | | | |
| 0.12 (6/12/2019) | 0.108 (4/15/2019) | (0.12 - 0.108)/(26 - 25) | 0.012 |
| ND<0.1 U (8/27/2019) | 0.108 (4/15/2019) | (0.1 - 0.108)/(27 - 25) | -0.004 |
| ND<0.1 U (10/29/2019) | 0.108 (4/15/2019) | (0.1 - 0.108)/(28 - 25) | -0.00266667 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | 0.108 (4/15/2019) | (0.1 - 0.108)/(29 - 25) | -0.002 |
| 0.141 (6/16/2020) | 0.108 (4/15/2019) | (0.141 - 0.108)/(30 - 25) | 0.0066 |
| ND<0.1 U (9/21/2020) | 0.108 (4/15/2019) | (0.1 - 0.108)/(31 - 25) | -0.00133333 |
| 0.261 (12/17/2020) | 0.108 (4/15/2019) | (0.261 - 0.108)/(32 - 25) | 0.0218571 |
| ND<0.1 U (3/18/2021) | 0.108 (4/15/2019) | (0.1 - 0.108)/(33 - 25) | -0.001 |
| ND<0.1 U (5/5/2021) | 0.108 (4/15/2019) | (0.1 - 0.108)/(34 - 25) | -0.000888889 |
| 0.21 (9/2/2021) | 0.108 (4/15/2019) | (0.21 - 0.108)/(35 - 25) | 0.0102 |
| ND<0.1 U (11/23/2021) | 0.108 (4/15/2019) | (0.1 - 0.108)/(36 - 25) | -0.000727273 |
| 0.17 (1/11/2022) | 0.108 (4/15/2019) | (0.17 - 0.108)/(37 - 25) | 0.00516667 |
| ND<0.1 U (4/7/2022) | 0.108 (4/15/2019) | (0.1 - 0.108)/(38 - 25) | -0.000615385 |
| ND<0.1 U (8/2/2022) | 0.108 (4/15/2019) | (0.1 - 0.108)/(39 - 25) | -0.000571429 |
| ND<0.1 U (11/16/2022) | 0.108 (4/15/2019) | (0.1 - 0.108)/(40 - 25) | -0.000533333 |
| 0.107 (2/14/2023) | 0.108 (4/15/2019) | (0.107 - 0.108)/(41 - 25) | -6.25e-05 |
| ND<0.05 U (5/25/2023) | 0.108 (4/15/2019) | (0.05 - 0.108)/(42 - 25) | -0.00341176 |
| ND<0.1 U (8/7/2023) | 0.108 (4/15/2019) | (0.1 - 0.108)/(43 - 25) | -0.000444444 |
| ND<0.05 U (12/12/2023) | 0.108 (4/15/2019) | (0.05 - 0.108)/(44 - 25) | -0.00305263 |
| 0.294 (1/10/2024) | 0.108 (4/15/2019) | (0.294 - 0.108)/(45 - 25) | 0.0093 |
| ND<0.1 U (5/21/2024) | 0.108 (4/15/2019) | (0.1 - 0.108)/(46 - 25) | -0.000380952 |
| ND<0.05 U (9/16/2024) | 0.108 (4/15/2019) | (0.05 - 0.108)/(47 - 25) | -0.00263636 |
| 0.315 (12/11/2024) | 0.108 (4/15/2019) | (0.315 - 0.108)/(48 - 25) | 0.009 |
| 0.141 (2/18/2025) | 0.108 (4/15/2019) | (0.141 - 0.108)/(49 - 25) | 0.001375 |

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|---|---|---|---|
| ND<0.1 U (8/27/2019) | 0.12 (6/12/2019) | (0.1 - 0.12)/(27 - 26) | -0.02 |
| ND<0.1 U (10/29/2019) | 0.12 (6/12/2019) | (0.1 - 0.12)/(28 - 26) | -0.01 |
| ND<0.1 U (3/30/2020) | 0.12 (6/12/2019) | (0.1 - 0.12)/(29 - 26) | -0.00666667 |
| 0.141 (6/16/2020) | 0.12 (6/12/2019) | (0.141 - 0.12)/(30 - 26) | 0.00525 |
| ND<0.1 U (9/21/2020) | 0.12 (6/12/2019) | (0.1 - 0.12)/(31 - 26) | -0.004 |
| 0.261 (12/17/2020) | 0.12 (6/12/2019) | (0.261 - 0.12)/(32 - 26) | 0.0235 |
| ND<0.1 U (3/18/2021) | 0.12 (6/12/2019) | (0.1 - 0.12)/(33 - 26) | -0.00285714 |
| ND<0.1 U (5/5/2021) | 0.12 (6/12/2019) | (0.1 - 0.12)/(34 - 26) | -0.0025 |
| 0.21 (9/2/2021) | 0.12 (6/12/2019) | (0.21 - 0.12)/(35 - 26) | 0.01 |
| ND<0.1 U (11/23/2021) | 0.12 (6/12/2019) | (0.1 - 0.12)/(36 - 26) | -0.002 |
| 0.17 (1/11/2022) | 0.12 (6/12/2019) | (0.17 - 0.12)/(37 - 26) | 0.00454545 |
| ND<0.1 U (4/7/2022) | 0.12 (6/12/2019) | (0.1 - 0.12)/(38 - 26) | -0.00166667 |
| ND<0.1 U (8/2/2022) | 0.12 (6/12/2019) | (0.1 - 0.12)/(39 - 26) | -0.00153846 |
| ND<0.1 U (11/16/2022) | 0.12 (6/12/2019) | (0.1 - 0.12)/(40 - 26) | -0.00142857 |
| 0.107 (2/14/2023) | 0.12 (6/12/2019) | (0.107 - 0.12)/(41 - 26) | -0.000866667 |
| ND<0.05 U (5/25/2023) | 0.12 (6/12/2019) | (0.05 - 0.12)/(42 - 26) | -0.004375 |
| ND<0.1 U (8/7/2023) | 0.12 (6/12/2019) | (0.1 - 0.12)/(43 - 26) | -0.00117647 |
| ND<0.05 U (12/12/2023) | 0.12 (6/12/2019) | (0.05 - 0.12)/(44 - 26) | -0.00388889 |
| 0.294 (1/10/2024) | 0.12 (6/12/2019) | (0.294 - 0.12)/(45 - 26) | 0.00915789 |
| ND<0.1 U (5/21/2024) | 0.12 (6/12/2019) | (0.1 - 0.12)/(46 - 26) | -0.001 |
| ND<0.05 U (9/16/2024) | 0.12 (6/12/2019) | (0.05 - 0.12)/(47 - 26) | -0.00333333 |
| 0.315 (12/11/2024) | 0.12 (6/12/2019) | (0.315 - 0.12)/(48 - 26) | 0.00886364 |
| 0.141 (2/18/2025) | 0.12 (6/12/2019) | (0.141 - 0.12)/(49 - 26) | 0.000913043 |

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|---|---|---|---|
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(28 - 27) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(29 - 27) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (8/27/2019) | (0.141 - 0.1)/(30 - 27) | 0.0136667 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (8/27/2019) | (0.261 - 0.1)/(32 - 27) | 0.0322 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(33 - 27) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(34 - 27) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (8/27/2019) | (0.21 - 0.1)/(35 - 27) | 0.01375 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(36 - 27) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (8/27/2019) | (0.17 - 0.1)/(37 - 27) | 0.007 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(38 - 27) | 0 |

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| ND<0.1 U (8/2/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (8/27/2019) | (0.107 - 0.1)/(41 - 27) | 0.0005 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(42 - 27) | -0.00333333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(44 - 27) | -0.00294118 |
| 0.294 (1/10/2024) | ND<0.1 U (8/27/2019) | (0.294 - 0.1)/(45 - 27) | 0.0107778 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(46 - 27) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.315 (12/11/2024) | ND<0.1 U (8/27/2019) | (0.315 - 0.1)/(48 - 27) | 0.0102381 |
| 0.141 (2/18/2025) | ND<0.1 U (8/27/2019) | (0.141 - 0.1)/(49 - 27) | 0.00186364 |
| | | | |
| ND<0.1 U (3/30/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(29 - 28) | 0 |
| 0.141 (6/16/2020) | ND<0.1 U (10/29/2019) | (0.141 - 0.1)/(30 - 28) | 0.0205 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(31 - 28) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (10/29/2019) | (0.261 - 0.1)/(32 - 28) | 0.04025 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(33 - 28) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(34 - 28) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (10/29/2019) | (0.21 - 0.1)/(35 - 28) | 0.0157143 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(36 - 28) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (10/29/2019) | (0.17 - 0.1)/(37 - 28) | 0.00777778 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(38 - 28) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(39 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(40 - 28) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (10/29/2019) | (0.107 - 0.1)/(41 - 28) | 0.000538462 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (10/29/2019) | (0.05 - 0.1)/(42 - 28) | -0.00357143 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(43 - 28) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (10/29/2019) | (0.05 - 0.1)/(44 - 28) | -0.003125 |
| 0.294 (1/10/2024) | ND<0.1 U (10/29/2019) | (0.294 - 0.1)/(45 - 28) | 0.0114118 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(46 - 28) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/29/2019) | (0.05 - 0.1)/(47 - 28) | -0.00263158 |
| 0.315 (12/11/2024) | ND<0.1 U (10/29/2019) | (0.315 - 0.1)/(48 - 28) | 0.01075 |
| 0.141 (2/18/2025) | ND<0.1 U (10/29/2019) | (0.141 - 0.1)/(49 - 28) | 0.00195238 |
| | | | |
| 0.141 (6/16/2020) | ND<0.1 U (3/30/2020) | (0.141 - 0.1)/(30 - 29) | 0.041 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(31 - 29) | 0 |
| 0.261 (12/17/2020) | ND<0.1 U (3/30/2020) | (0.261 - 0.1)/(32 - 29) | 0.0536667 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(33 - 29) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(34 - 29) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (3/30/2020) | (0.21 - 0.1)/(35 - 29) | 0.0183333 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(36 - 29) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (3/30/2020) | (0.17 - 0.1)/(37 - 29) | 0.00875 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(38 - 29) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(39 - 29) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(40 - 29) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (3/30/2020) | (0.107 - 0.1)/(41 - 29) | 0.000583333 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (3/30/2020) | (0.05 - 0.1)/(42 - 29) | -0.00384615 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(43 - 29) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (3/30/2020) | (0.05 - 0.1)/(44 - 29) | -0.00333333 |
| 0.294 (1/10/2024) | ND<0.1 U (3/30/2020) | (0.294 - 0.1)/(45 - 29) | 0.012125 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(46 - 29) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (3/30/2020) | (0.05 - 0.1)/(47 - 29) | -0.00277778 |
| 0.315 (12/11/2024) | ND<0.1 U (3/30/2020) | (0.315 - 0.1)/(48 - 29) | 0.0113158 |
| 0.141 (2/18/2025) | ND<0.1 U (3/30/2020) | (0.141 - 0.1)/(49 - 29) | 0.00205 |
| | | | |
| ND<0.1 U (9/21/2020) | 0.141 (6/16/2020) | (0.1 - 0.141)/(31 - 30) | -0.041 |
| 0.261 (12/17/2020) | 0.141 (6/16/2020) | (0.261 - 0.141)/(32 - 30) | 0.06 |

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| ND<0.1 U (3/18/2021) | 0.141 (6/16/2020) | (0.1 - 0.141)/(33 - 30) | -0.0136667 |
| ND<0.1 U (5/5/2021) | 0.141 (6/16/2020) | (0.1 - 0.141)/(34 - 30) | -0.01025 |
| 0.21 (9/2/2021) | 0.141 (6/16/2020) | (0.21 - 0.141)/(35 - 30) | 0.0138 |
| ND<0.1 U (11/23/2021) | 0.141 (6/16/2020) | (0.1 - 0.141)/(36 - 30) | -0.00683333 |
| 0.17 (1/11/2022) | 0.141 (6/16/2020) | (0.17 - 0.141)/(37 - 30) | 0.00414286 |
| ND<0.1 U (4/7/2022) | 0.141 (6/16/2020) | (0.1 - 0.141)/(38 - 30) | -0.005125 |
| ND<0.1 U (8/2/2022) | 0.141 (6/16/2020) | (0.1 - 0.141)/(39 - 30) | -0.00455556 |
| ND<0.1 U (11/16/2022) | 0.141 (6/16/2020) | (0.1 - 0.141)/(40 - 30) | -0.0041 |
| 0.107 (2/14/2023) | 0.141 (6/16/2020) | (0.107 - 0.141)/(41 - 30) | -0.00309091 |
| ND<0.05 U (5/25/2023) | 0.141 (6/16/2020) | (0.05 - 0.141)/(42 - 30) | -0.00758333 |
| ND<0.1 U (8/7/2023) | 0.141 (6/16/2020) | (0.1 - 0.141)/(43 - 30) | -0.00315385 |
| ND<0.05 U (12/12/2023) | 0.141 (6/16/2020) | (0.05 - 0.141)/(44 - 30) | -0.0065 |
| 0.294 (1/10/2024) | 0.141 (6/16/2020) | (0.294 - 0.141)/(45 - 30) | 0.0102 |
| ND<0.1 U (5/21/2024) | 0.141 (6/16/2020) | (0.1 - 0.141)/(46 - 30) | -0.0025625 |
| ND<0.05 U (9/16/2024) | 0.141 (6/16/2020) | (0.05 - 0.141)/(47 - 30) | -0.00535294 |
| 0.315 (12/11/2024) | 0.141 (6/16/2020) | (0.315 - 0.141)/(48 - 30) | 0.00966667 |
| 0.141 (2/18/2025) | 0.141 (6/16/2020) | (0.141 - 0.141)/(49 - 30) | 0 |

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| 0.261 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.261 - 0.1)/(32 - 31) | 0.161 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.21 - 0.1)/(35 - 31) | 0.0275 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (9/21/2020) | (0.17 - 0.1)/(37 - 31) | 0.0116667 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(38 - 31) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (9/21/2020) | (0.107 - 0.1)/(41 - 31) | 0.0007 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(42 - 31) | -0.00454545 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(43 - 31) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(44 - 31) | -0.00384615 |
| 0.294 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.294 - 0.1)/(45 - 31) | 0.0138571 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(46 - 31) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(47 - 31) | -0.003125 |
| 0.315 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.315 - 0.1)/(48 - 31) | 0.0126471 |
| 0.141 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.141 - 0.1)/(49 - 31) | 0.00227778 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.261 (12/17/2020) | (0.1 - 0.261)/(33 - 32) | -0.161 |
| ND<0.1 U (5/5/2021) | 0.261 (12/17/2020) | (0.1 - 0.261)/(34 - 32) | -0.0805 |
| 0.21 (9/2/2021) | 0.261 (12/17/2020) | (0.21 - 0.261)/(35 - 32) | -0.017 |
| ND<0.1 U (11/23/2021) | 0.261 (12/17/2020) | (0.1 - 0.261)/(36 - 32) | -0.04025 |
| 0.17 (1/11/2022) | 0.261 (12/17/2020) | (0.17 - 0.261)/(37 - 32) | -0.0182 |
| ND<0.1 U (4/7/2022) | 0.261 (12/17/2020) | (0.1 - 0.261)/(38 - 32) | -0.0268333 |
| ND<0.1 U (8/2/2022) | 0.261 (12/17/2020) | (0.1 - 0.261)/(39 - 32) | -0.023 |
| ND<0.1 U (11/16/2022) | 0.261 (12/17/2020) | (0.1 - 0.261)/(40 - 32) | -0.020125 |
| 0.107 (2/14/2023) | 0.261 (12/17/2020) | (0.107 - 0.261)/(41 - 32) | -0.0171111 |
| ND<0.05 U (5/25/2023) | 0.261 (12/17/2020) | (0.05 - 0.261)/(42 - 32) | -0.0211 |
| ND<0.1 U (8/7/2023) | 0.261 (12/17/2020) | (0.1 - 0.261)/(43 - 32) | -0.0146364 |
| ND<0.05 U (12/12/2023) | 0.261 (12/17/2020) | (0.05 - 0.261)/(44 - 32) | -0.0175833 |
| 0.294 (1/10/2024) | 0.261 (12/17/2020) | (0.294 - 0.261)/(45 - 32) | 0.00253846 |
| ND<0.1 U (5/21/2024) | 0.261 (12/17/2020) | (0.1 - 0.261)/(46 - 32) | -0.0115 |
| ND<0.05 U (9/16/2024) | 0.261 (12/17/2020) | (0.05 - 0.261)/(47 - 32) | -0.0140667 |
| 0.315 (12/11/2024) | 0.261 (12/17/2020) | (0.315 - 0.261)/(48 - 32) | 0.003375 |
| 0.141 (2/18/2025) | 0.261 (12/17/2020) | (0.141 - 0.261)/(49 - 32) | -0.00705882 |

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|---|---|---|---|
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| 0.21 (9/2/2021) | ND<0.1 U (3/18/2021) | (0.21 - 0.1)/(35 - 33) | 0.055 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(36 - 33) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (3/18/2021) | (0.17 - 0.1)/(37 - 33) | 0.0175 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(38 - 33) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(39 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (3/18/2021) | (0.107 - 0.1)/(41 - 33) | 0.000875 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (3/18/2021) | (0.05 - 0.1)/(42 - 33) | -0.00555556 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(43 - 33) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (3/18/2021) | (0.05 - 0.1)/(44 - 33) | -0.00454545 |
| 0.294 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.294 - 0.1)/(45 - 33) | 0.0161667 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(46 - 33) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (3/18/2021) | (0.05 - 0.1)/(47 - 33) | -0.00357143 |
| 0.315 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.315 - 0.1)/(48 - 33) | 0.0143333 |
| 0.141 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.141 - 0.1)/(49 - 33) | 0.0025625 |
| | | | |
| 0.21 (9/2/2021) | ND<0.1 U (5/5/2021) | (0.21 - 0.1)/(35 - 34) | 0.11 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(36 - 34) | 0 |
| 0.17 (1/11/2022) | ND<0.1 U (5/5/2021) | (0.17 - 0.1)/(37 - 34) | 0.0233333 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(38 - 34) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(39 - 34) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (5/5/2021) | (0.107 - 0.1)/(41 - 34) | 0.001 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (5/5/2021) | (0.05 - 0.1)/(42 - 34) | -0.00625 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(43 - 34) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (5/5/2021) | (0.05 - 0.1)/(44 - 34) | -0.005 |
| 0.294 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.294 - 0.1)/(45 - 34) | 0.0176364 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(46 - 34) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (5/5/2021) | (0.05 - 0.1)/(47 - 34) | -0.00384615 |
| 0.315 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.315 - 0.1)/(48 - 34) | 0.0153571 |
| 0.141 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.141 - 0.1)/(49 - 34) | 0.00273333 |
| | | | |
| ND<0.1 U (11/23/2021) | 0.21 (9/2/2021) | (0.1 - 0.21)/(36 - 35) | -0.11 |
| 0.17 (1/11/2022) | 0.21 (9/2/2021) | (0.17 - 0.21)/(37 - 35) | -0.02 |
| ND<0.1 U (4/7/2022) | 0.21 (9/2/2021) | (0.1 - 0.21)/(38 - 35) | -0.0366667 |
| ND<0.1 U (8/2/2022) | 0.21 (9/2/2021) | (0.1 - 0.21)/(39 - 35) | -0.0275 |
| ND<0.1 U (11/16/2022) | 0.21 (9/2/2021) | (0.1 - 0.21)/(40 - 35) | -0.022 |
| 0.107 (2/14/2023) | 0.21 (9/2/2021) | (0.107 - 0.21)/(41 - 35) | -0.0171667 |
| ND<0.05 U (5/25/2023) | 0.21 (9/2/2021) | (0.05 - 0.21)/(42 - 35) | -0.0228571 |
| ND<0.1 U (8/7/2023) | 0.21 (9/2/2021) | (0.1 - 0.21)/(43 - 35) | -0.01375 |
| ND<0.05 U (12/12/2023) | 0.21 (9/2/2021) | (0.05 - 0.21)/(44 - 35) | -0.0177778 |
| 0.294 (1/10/2024) | 0.21 (9/2/2021) | (0.294 - 0.21)/(45 - 35) | 0.0084 |
| ND<0.1 U (5/21/2024) | 0.21 (9/2/2021) | (0.1 - 0.21)/(46 - 35) | -0.01 |
| ND<0.05 U (9/16/2024) | 0.21 (9/2/2021) | (0.05 - 0.21)/(47 - 35) | -0.0133333 |
| 0.315 (12/11/2024) | 0.21 (9/2/2021) | (0.315 - 0.21)/(48 - 35) | 0.00807692 |
| 0.141 (2/18/2025) | 0.21 (9/2/2021) | (0.141 - 0.21)/(49 - 35) | -0.00492857 |
| | | | |
| 0.17 (1/11/2022) | ND<0.1 U (11/23/2021) | (0.17 - 0.1)/(37 - 36) | 0.07 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(38 - 36) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (11/23/2021) | (0.107 - 0.1)/(41 - 36) | 0.0014 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/23/2021) | (0.05 - 0.1)/(42 - 36) | -0.00833333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(43 - 36) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (11/23/2021) | (0.05 - 0.1)/(44 - 36) | -0.00625 |
| 0.294 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.294 - 0.1)/(45 - 36) | 0.0215556 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(46 - 36) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/23/2021) | (0.05 - 0.1)/(47 - 36) | -0.00454545 |

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|---|---|---|---|
| 0.315 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.315 - 0.1)/(48 - 36) | 0.0179167 |
| 0.141 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.141 - 0.1)/(49 - 36) | 0.00315385 |
| | | | |
| ND<0.1 U (4/7/2022) | 0.17 (1/11/2022) | (0.1 - 0.17)/(38 - 37) | -0.07 |
| ND<0.1 U (8/2/2022) | 0.17 (1/11/2022) | (0.1 - 0.17)/(39 - 37) | -0.035 |
| ND<0.1 U (11/16/2022) | 0.17 (1/11/2022) | (0.1 - 0.17)/(40 - 37) | -0.0233333 |
| 0.107 (2/14/2023) | 0.17 (1/11/2022) | (0.107 - 0.17)/(41 - 37) | -0.01575 |
| ND<0.05 U (5/25/2023) | 0.17 (1/11/2022) | (0.05 - 0.17)/(42 - 37) | -0.024 |
| ND<0.1 U (8/7/2023) | 0.17 (1/11/2022) | (0.1 - 0.17)/(43 - 37) | -0.0116667 |
| ND<0.05 U (12/12/2023) | 0.17 (1/11/2022) | (0.05 - 0.17)/(44 - 37) | -0.0171429 |
| 0.294 (1/10/2024) | 0.17 (1/11/2022) | (0.294 - 0.17)/(45 - 37) | 0.0155 |
| ND<0.1 U (5/21/2024) | 0.17 (1/11/2022) | (0.1 - 0.17)/(46 - 37) | -0.00777778 |
| ND<0.05 U (9/16/2024) | 0.17 (1/11/2022) | (0.05 - 0.17)/(47 - 37) | -0.012 |
| 0.315 (12/11/2024) | 0.17 (1/11/2022) | (0.315 - 0.17)/(48 - 37) | 0.0131818 |
| 0.141 (2/18/2025) | 0.17 (1/11/2022) | (0.141 - 0.17)/(49 - 37) | -0.00241667 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(39 - 38) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (4/7/2022) | (0.107 - 0.1)/(41 - 38) | 0.00233333 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(42 - 38) | -0.0125 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(43 - 38) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(44 - 38) | -0.00833333 |
| 0.294 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.294 - 0.1)/(45 - 38) | 0.0277143 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(46 - 38) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(47 - 38) | -0.00555556 |
| 0.315 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.315 - 0.1)/(48 - 38) | 0.0215 |
| 0.141 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.141 - 0.1)/(49 - 38) | 0.00372727 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| 0.107 (2/14/2023) | ND<0.1 U (8/2/2022) | (0.107 - 0.1)/(41 - 39) | 0.0035 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(42 - 39) | -0.0166667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(43 - 39) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(44 - 39) | -0.01 |
| 0.294 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.294 - 0.1)/(45 - 39) | 0.0323333 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(46 - 39) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(47 - 39) | -0.00625 |
| 0.315 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.315 - 0.1)/(48 - 39) | 0.0238889 |
| 0.141 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.141 - 0.1)/(49 - 39) | 0.0041 |
| | | | |
| 0.107 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.107 - 0.1)/(41 - 40) | 0.007 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(42 - 40) | -0.025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(44 - 40) | -0.0125 |
| 0.294 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.294 - 0.1)/(45 - 40) | 0.0388 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(46 - 40) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(47 - 40) | -0.00714286 |
| 0.315 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.315 - 0.1)/(48 - 40) | 0.026875 |
| 0.141 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.141 - 0.1)/(49 - 40) | 0.00455556 |
| | | | |
| ND<0.05 U (5/25/2023) | 0.107 (2/14/2023) | (0.05 - 0.107)/(42 - 41) | -0.057 |
| ND<0.1 U (8/7/2023) | 0.107 (2/14/2023) | (0.1 - 0.107)/(43 - 41) | -0.0035 |
| ND<0.05 U (12/12/2023) | 0.107 (2/14/2023) | (0.05 - 0.107)/(44 - 41) | -0.019 |
| 0.294 (1/10/2024) | 0.107 (2/14/2023) | (0.294 - 0.107)/(45 - 41) | 0.04675 |
| ND<0.1 U (5/21/2024) | 0.107 (2/14/2023) | (0.1 - 0.107)/(46 - 41) | -0.0014 |
| ND<0.05 U (9/16/2024) | 0.107 (2/14/2023) | (0.05 - 0.107)/(47 - 41) | -0.0095 |
| 0.315 (12/11/2024) | 0.107 (2/14/2023) | (0.315 - 0.107)/(48 - 41) | 0.0297143 |
| 0.141 (2/18/2025) | 0.107 (2/14/2023) | (0.141 - 0.107)/(49 - 41) | 0.00425 |

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|---|---|---|---|
| ND<0.1 U (8/7/2023) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(43 - 42) | 0.05 |
| ND<0.05 U (12/12/2023) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(44 - 42) | 0 |
| 0.294 (1/10/2024) | ND<0.05 U (5/25/2023) | (0.294 - 0.05)/(45 - 42) | 0.0813333 |
| ND<0.1 U (5/21/2024) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(46 - 42) | 0.0125 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(47 - 42) | 0 |
| 0.315 (12/11/2024) | ND<0.05 U (5/25/2023) | (0.315 - 0.05)/(48 - 42) | 0.0441667 |
| 0.141 (2/18/2025) | ND<0.05 U (5/25/2023) | (0.141 - 0.05)/(49 - 42) | 0.013 |
| | | | |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(44 - 43) | -0.05 |
| 0.294 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.294 - 0.1)/(45 - 43) | 0.097 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/7/2023) | (0.1 - 0.1)/(46 - 43) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.315 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.315 - 0.1)/(48 - 43) | 0.043 |
| 0.141 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.141 - 0.1)/(49 - 43) | 0.00683333 |
| | | | |
| 0.294 (1/10/2024) | ND<0.05 U (12/12/2023) | (0.294 - 0.05)/(45 - 44) | 0.244 |
| ND<0.1 U (5/21/2024) | ND<0.05 U (12/12/2023) | (0.1 - 0.05)/(46 - 44) | 0.025 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (12/12/2023) | (0.05 - 0.05)/(47 - 44) | 0 |
| 0.315 (12/11/2024) | ND<0.05 U (12/12/2023) | (0.315 - 0.05)/(48 - 44) | 0.06625 |
| 0.141 (2/18/2025) | ND<0.05 U (12/12/2023) | (0.141 - 0.05)/(49 - 44) | 0.0182 |
| | | | |
| ND<0.1 U (5/21/2024) | 0.294 (1/10/2024) | (0.1 - 0.294)/(46 - 45) | -0.194 |
| ND<0.05 U (9/16/2024) | 0.294 (1/10/2024) | (0.05 - 0.294)/(47 - 45) | -0.122 |
| 0.315 (12/11/2024) | 0.294 (1/10/2024) | (0.315 - 0.294)/(48 - 45) | 0.007 |
| 0.141 (2/18/2025) | 0.294 (1/10/2024) | (0.141 - 0.294)/(49 - 45) | -0.03825 |
| | | | |
| ND<0.05 U (9/16/2024) | ND<0.1 U (5/21/2024) | (0.05 - 0.1)/(47 - 46) | -0.05 |
| 0.315 (12/11/2024) | ND<0.1 U (5/21/2024) | (0.315 - 0.1)/(48 - 46) | 0.1075 |
| 0.141 (2/18/2025) | ND<0.1 U (5/21/2024) | (0.141 - 0.1)/(49 - 46) | 0.0136667 |
| | | | |
| 0.315 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.315 - 0.05)/(48 - 47) | 0.265 |
| 0.141 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.141 - 0.05)/(49 - 47) | 0.0455 |
| | | | |
| 0.141 (2/18/2025) | 0.315 (12/11/2024) | (0.141 - 0.315)/(49 - 48) | -0.174 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
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| 1 | -0.194 |
| 2 | -0.174 |
| 3 | -0.161 |
| 4 | -0.122 |
| 5 | -0.11 |
| 6 | -0.1 |
| 7 | -0.092 |
| 8 | -0.0805 |
| 9 | -0.08 |
| 10 | -0.07 |
| 11 | -0.07 |
| 12 | -0.07 |
| 13 | -0.06 |
| 14 | -0.06 |
| 15 | -0.057 |
| 16 | -0.05 |

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|---|---|
| 17 | -0.05 |
| 18 | -0.048 |
| 19 | -0.0466667 |
| 20 | -0.045 |
| 21 | -0.044 |
| 22 | -0.041 |
| 23 | -0.04025 |
| 24 | -0.04 |
| 25 | -0.04 |
| 26 | -0.03825 |
| 27 | -0.0375 |
| 28 | -0.0366667 |
| 29 | -0.0366667 |
| 30 | -0.036 |
| 31 | -0.035 |
| 32 | -0.035 |
| 33 | -0.032 |
| 34 | -0.031 |
| 35 | -0.03 |
| 36 | -0.03 |
| 37 | -0.03 |
| 38 | -0.03 |
| 39 | -0.03 |
| 40 | -0.0275 |
| 41 | -0.0275 |
| 42 | -0.0268333 |
| 43 | -0.0266667 |
| 44 | -0.0264 |
| 45 | -0.025 |
| 46 | -0.025 |
| 47 | -0.0245714 |
| 48 | -0.024 |
| 49 | -0.024 |
| 50 | -0.0233333 |
| 51 | -0.023 |
| 52 | -0.0228571 |
| 53 | -0.0228571 |
| 54 | -0.022 |
| 55 | -0.022 |
| 56 | -0.0211 |
| 57 | -0.020125 |
| 58 | -0.02 |
| 59 | -0.02 |
| 60 | -0.02 |
| 61 | -0.02 |
| 62 | -0.02 |
| 63 | -0.02 |
| 64 | -0.02 |
| 65 | -0.02 |
| 66 | -0.02 |
| 67 | -0.02 |
| 68 | -0.02 |
| 69 | -0.019 |
| 70 | -0.0182 |
| 71 | -0.018 |
| 72 | -0.0177778 |
| 73 | -0.0175833 |

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| 74 | -0.0175 |
| 75 | -0.0175 |
| 76 | -0.0171667 |
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| 78 | -0.0171111 |
| 79 | -0.017 |
| 80 | -0.017 |
| 81 | -0.0166667 |
| 82 | -0.0166667 |
| 83 | -0.0163636 |
| 84 | -0.016 |
| 85 | -0.01575 |
| 86 | -0.0155556 |
| 87 | -0.0146364 |
| 88 | -0.0140667 |
| 89 | -0.0138462 |
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| 91 | -0.01375 |
| 92 | -0.0136667 |
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| 95 | -0.0128571 |
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| 97 | -0.0125 |
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| 99 | -0.0125 |
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| 110 | -0.011 |
| 111 | -0.0107692 |
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| 121 | -0.01 |
| 122 | -0.01 |
| 123 | -0.01 |
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| 129 | -0.00916667 |
| 130 | -0.009 |

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|---|---|
| 758 | 0 |
| 759 | 0 |
| 760 | 0 |
| 761 | 0 |
| 762 | 0 |
| 763 | 0 |
| 764 | 0 |
| 765 | 0 |
| 766 | 0 |
| 767 | 0 |
| 768 | 0 |
| 769 | 0 |
| 770 | 0 |
| 771 | 0 |
| 772 | 0 |
| 773 | 0 |
| 774 | 0 |
| 775 | 0 |
| 776 | 0 |
| 777 | 2.12766e-05 |
| 778 | 2.7027e-05 |
| 779 | 3.57143e-05 |
| 780 | 4.34783e-05 |
| 781 | 5.55556e-05 |
| 782 | 0.000175 |
| 783 | 0.000184211 |
| 784 | 0.000189189 |
| 785 | 0.0002 |
| 786 | 0.000205882 |
| 787 | 0.000212121 |
| 788 | 0.000233333 |
| 789 | 0.000259259 |
| 790 | 0.000269231 |
| 791 | 0.00028 |
| 792 | 0.0003125 |
| 793 | 0.000333333 |
| 794 | 0.000363636 |
| 795 | 0.000368421 |
| 796 | 0.000380952 |
| 797 | 0.000388889 |
| 798 | 0.0004 |
| 799 | 0.000411765 |
| 800 | 0.000421053 |
| 801 | 0.000421053 |
| 802 | 0.000444444 |
| 803 | 0.000470588 |
| 804 | 0.0005 |
| 805 | 0.000518519 |
| 806 | 0.000538462 |
| 807 | 0.000571429 |
| 808 | 0.000583333 |
| 809 | 0.00065625 |
| 810 | 0.0007 |
| 811 | 0.000727273 |
| 812 | 0.000769231 |
| 813 | 0.0008 |
| 814 | 0.0008 |

| | |
|---|---|
| 815 | 0.000833333 |
| 816 | 0.000854167 |
| 817 | 0.000857143 |
| 818 | 0.000861111 |
| 819 | 0.000869565 |
| 820 | 0.000875 |
| 821 | 0.000888889 |
| 822 | 0.000888889 |
| 823 | 0.000891304 |
| 824 | 0.000909091 |
| 825 | 0.000911111 |
| 826 | 0.000913043 |
| 827 | 0.000944444 |
| 828 | 0.000953488 |
| 829 | 0.00097619 |
| 830 | 0.001 |
| 831 | 0.001 |
| 832 | 0.001 |
| 833 | 0.001 |
| 834 | 0.00105263 |
| 835 | 0.00107895 |
| 836 | 0.00111111 |
| 837 | 0.00111111 |
| 838 | 0.00111111 |
| 839 | 0.00116667 |
| 840 | 0.00117143 |
| 841 | 0.0012 |
| 842 | 0.00120588 |
| 843 | 0.00124242 |
| 844 | 0.00125 |
| 845 | 0.00133333 |
| 846 | 0.001375 |
| 847 | 0.001375 |
| 848 | 0.0014 |
| 849 | 0.00141026 |
| 850 | 0.00141379 |
| 851 | 0.00142857 |
| 852 | 0.00142857 |
| 853 | 0.00151852 |
| 854 | 0.00151852 |
| 855 | 0.00153846 |
| 856 | 0.00157692 |
| 857 | 0.00157692 |
| 858 | 0.00161538 |
| 859 | 0.00164 |
| 860 | 0.00166667 |
| 861 | 0.00166667 |
| 862 | 0.00166667 |
| 863 | 0.00170833 |
| 864 | 0.00175 |
| 865 | 0.00178261 |
| 866 | 0.00181818 |
| 867 | 0.00181818 |
| 868 | 0.00182353 |
| 869 | 0.00186364 |
| 870 | 0.00186364 |
| 871 | 0.00194444 |

| | |
|---|---|
| 872 | 0.00195238 |
| 873 | 0.002 |
| 874 | 0.002 |
| 875 | 0.002 |
| 876 | 0.00205 |
| 877 | 0.00205882 |
| 878 | 0.00212121 |
| 879 | 0.00212121 |
| 880 | 0.00215789 |
| 881 | 0.00216 |
| 882 | 0.00222222 |
| 883 | 0.00222222 |
| 884 | 0.00225806 |
| 885 | 0.00227778 |
| 886 | 0.00233333 |
| 887 | 0.00233333 |
| 888 | 0.0024 |
| 889 | 0.00241379 |
| 890 | 0.0025 |
| 891 | 0.0025 |
| 892 | 0.0025 |
| 893 | 0.00253846 |
| 894 | 0.0025625 |
| 895 | 0.0025625 |
| 896 | 0.00266667 |
| 897 | 0.00266667 |
| 898 | 0.00267857 |
| 899 | 0.00268571 |
| 900 | 0.00269231 |
| 901 | 0.00273333 |
| 902 | 0.00273333 |
| 903 | 0.00277273 |
| 904 | 0.00282353 |
| 905 | 0.00292857 |
| 906 | 0.00302632 |
| 907 | 0.00304348 |
| 908 | 0.00304348 |
| 909 | 0.00315385 |
| 910 | 0.00318182 |
| 911 | 0.0032 |
| 912 | 0.00323077 |
| 913 | 0.00323529 |
| 914 | 0.00333333 |
| 915 | 0.00333333 |
| 916 | 0.00335 |
| 917 | 0.003375 |
| 918 | 0.00342857 |
| 919 | 0.0034375 |
| 920 | 0.0035 |
| 921 | 0.00354839 |
| 922 | 0.00357143 |
| 923 | 0.0035814 |
| 924 | 0.00360465 |
| 925 | 0.00362069 |
| 926 | 0.00363636 |
| 927 | 0.00369231 |
| 928 | 0.00372727 |

| | |
|---|---|
| 929 | 0.00374074 |
| 930 | 0.0037931 |
| 931 | 0.00380435 |
| 932 | 0.00392308 |
| 933 | 0.00392857 |
| 934 | 0.004 |
| 935 | 0.004 |
| 936 | 0.00403333 |
| 937 | 0.00407407 |
| 938 | 0.0041 |
| 939 | 0.00411765 |
| 940 | 0.00414286 |
| 941 | 0.00425 |
| 942 | 0.00440909 |
| 943 | 0.00442857 |
| 944 | 0.00444444 |
| 945 | 0.00454545 |
| 946 | 0.00454545 |
| 947 | 0.00455556 |
| 948 | 0.00457447 |
| 949 | 0.00458333 |
| 950 | 0.00461905 |
| 951 | 0.00466667 |
| 952 | 0.00466667 |
| 953 | 0.00473171 |
| 954 | 0.00475 |
| 955 | 0.00477778 |
| 956 | 0.0048 |
| 957 | 0.00486111 |
| 958 | 0.00488636 |
| 959 | 0.00497436 |
| 960 | 0.005 |
| 961 | 0.005 |
| 962 | 0.005 |
| 963 | 0.005 |
| 964 | 0.005 |
| 965 | 0.00510526 |
| 966 | 0.00511905 |
| 967 | 0.005125 |
| 968 | 0.00516667 |
| 969 | 0.00519355 |
| 970 | 0.0052381 |
| 971 | 0.00524324 |
| 972 | 0.0052439 |
| 973 | 0.00525 |
| 974 | 0.00533333 |
| 975 | 0.005375 |
| 976 | 0.00538462 |
| 977 | 0.0055 |
| 978 | 0.00555172 |
| 979 | 0.00555556 |
| 980 | 0.00570588 |
| 981 | 0.00575 |
| 982 | 0.00575 |
| 983 | 0.00578947 |
| 984 | 0.00581081 |
| 985 | 0.00585714 |

| | |
|---|---|
| 986 | 0.00585714 |
| 987 | 0.00605 |
| 988 | 0.00608333 |
| 989 | 0.00611111 |
| 990 | 0.00618519 |
| 991 | 0.00619231 |
| 992 | 0.00621429 |
| 993 | 0.00625806 |
| 994 | 0.00629032 |
| 995 | 0.00632353 |
| 996 | 0.00644 |
| 997 | 0.00646667 |
| 998 | 0.00651515 |
| 999 | 0.0066 |
| 1000 | 0.00666667 |
| 1001 | 0.00666667 |
| 1002 | 0.00666667 |
| 1003 | 0.00666667 |
| 1004 | 0.00668966 |
| 1005 | 0.00670833 |
| 1006 | 0.00671875 |
| 1007 | 0.00683333 |
| 1008 | 0.00683333 |
| 1009 | 0.00685714 |
| 1010 | 0.006875 |
| 1011 | 0.007 |
| 1012 | 0.007 |
| 1013 | 0.007 |
| 1014 | 0.007 |
| 1015 | 0.00733333 |
| 1016 | 0.00736842 |
| 1017 | 0.0075 |
| 1018 | 0.00766667 |
| 1019 | 0.00777778 |
| 1020 | 0.00794737 |
| 1021 | 0.008 |
| 1022 | 0.008 |
| 1023 | 0.008 |
| 1024 | 0.008 |
| 1025 | 0.00807692 |
| 1026 | 0.00823529 |
| 1027 | 0.00826923 |
| 1028 | 0.0084 |
| 1029 | 0.00843478 |
| 1030 | 0.00846154 |
| 1031 | 0.00846154 |
| 1032 | 0.0086 |
| 1033 | 0.00875 |
| 1034 | 0.00875 |
| 1035 | 0.00875 |
| 1036 | 0.00881818 |
| 1037 | 0.00886364 |
| 1038 | 0.00894444 |
| 1039 | 0.00895833 |
| 1040 | 0.009 |
| 1041 | 0.00915789 |
| 1042 | 0.00916667 |

| | |
|---|---|
| 1043 | 0.00916667 |
| 1044 | 0.00923077 |
| 1045 | 0.0092381 |
| 1046 | 0.0093 |
| 1047 | 0.0094 |
| 1048 | 0.00947059 |
| 1049 | 0.0096 |
| 1050 | 0.00966667 |
| 1051 | 0.01 |
| 1052 | 0.01 |
| 1053 | 0.01 |
| 1054 | 0.01 |
| 1055 | 0.01 |
| 1056 | 0.01 |
| 1057 | 0.01 |
| 1058 | 0.01 |
| 1059 | 0.01 |
| 1060 | 0.0100625 |
| 1061 | 0.0102 |
| 1062 | 0.0102 |
| 1063 | 0.0102381 |
| 1064 | 0.0102727 |
| 1065 | 0.0105882 |
| 1066 | 0.01075 |
| 1067 | 0.0107692 |
| 1068 | 0.0107778 |
| 1069 | 0.0111111 |
| 1070 | 0.0113158 |
| 1071 | 0.0114118 |
| 1072 | 0.0116667 |
| 1073 | 0.0116667 |
| 1074 | 0.012 |
| 1075 | 0.012 |
| 1076 | 0.012125 |
| 1077 | 0.0125 |
| 1078 | 0.0125 |
| 1079 | 0.0126471 |
| 1080 | 0.0128571 |
| 1081 | 0.013 |
| 1082 | 0.0131818 |
| 1083 | 0.0136667 |
| 1084 | 0.0136667 |
| 1085 | 0.01375 |
| 1086 | 0.01375 |
| 1087 | 0.0138 |
| 1088 | 0.0138571 |
| 1089 | 0.0142857 |
| 1090 | 0.0143333 |
| 1091 | 0.015 |
| 1092 | 0.015 |
| 1093 | 0.0153571 |
| 1094 | 0.0155 |
| 1095 | 0.0155556 |
| 1096 | 0.0157143 |
| 1097 | 0.0161 |
| 1098 | 0.0161667 |
| 1099 | 0.0163636 |

| | |
|---|---|
| 1100 | 0.0166667 |
| 1101 | 0.0166667 |
| 1102 | 0.0171429 |
| 1103 | 0.0175 |
| 1104 | 0.0176364 |
| 1105 | 0.0178889 |
| 1106 | 0.0179167 |
| 1107 | 0.018 |
| 1108 | 0.0182 |
| 1109 | 0.0183333 |
| 1110 | 0.0185714 |
| 1111 | 0.02 |
| 1112 | 0.02 |
| 1113 | 0.020125 |
| 1114 | 0.0205 |
| 1115 | 0.0215 |
| 1116 | 0.0215556 |
| 1117 | 0.0218571 |
| 1118 | 0.022 |
| 1119 | 0.0233333 |
| 1120 | 0.0233333 |
| 1121 | 0.0233333 |
| 1122 | 0.0235 |
| 1123 | 0.0238889 |
| 1124 | 0.025 |
| 1125 | 0.025 |
| 1126 | 0.025 |
| 1127 | 0.0257143 |
| 1128 | 0.0266667 |
| 1129 | 0.026875 |
| 1130 | 0.0275 |
| 1131 | 0.0275 |
| 1132 | 0.0277143 |
| 1133 | 0.028 |
| 1134 | 0.0297143 |
| 1135 | 0.03 |
| 1136 | 0.03 |
| 1137 | 0.032 |
| 1138 | 0.0322 |
| 1139 | 0.0323333 |
| 1140 | 0.0333333 |
| 1141 | 0.034 |
| 1142 | 0.035 |
| 1143 | 0.0366667 |
| 1144 | 0.0388 |
| 1145 | 0.04 |
| 1146 | 0.04 |
| 1147 | 0.04 |
| 1148 | 0.04025 |
| 1149 | 0.041 |
| 1150 | 0.043 |
| 1151 | 0.0441667 |
| 1152 | 0.045 |
| 1153 | 0.045 |
| 1154 | 0.0455 |
| 1155 | 0.04675 |
| 1156 | 0.05 |

| | |
|---|---|
| 1157 | 0.05 |
| 1158 | 0.0533333 |
| 1159 | 0.0536667 |
| 1160 | 0.055 |
| 1161 | 0.06 |
| 1162 | 0.06 |
| 1163 | 0.06 |
| 1164 | 0.06625 |
| 1165 | 0.07 |
| 1166 | 0.08 |
| 1167 | 0.0813333 |
| 1168 | 0.09 |
| 1169 | 0.097 |
| 1170 | 0.1075 |
| 1171 | 0.11 |
| 1172 | 0.16 |
| 1173 | 0.16 |
| 1174 | 0.161 |
| 1175 | 0.244 |
| 1176 | 0.265 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 25 |
| 2 | 0.14 | 2 |
| 3 | 0.12 | 2 |
| 4 | 0.21 | 2 |
| 5 | 0.141 | 2 |
| 6 | 0.05 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/19/2014 | 1 |
| 9/30/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |

| | |
|---|---|
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 33138
B = 0
C = 13806
D = 0
E = 614
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 11617.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 177.291
M1 = (1176 - 177.291)/2.0 = 499.355
M2 = (1176 + 177.291)/2.0 + 1 = 677.645
Lower limit is 0 = Q(499)
Upper limit is 0 = Q(678)
0 < 0 < 0 indicating no trend in data.

# Sen's Slope Analysis

## Parameter: Nitrate-nitrite

## Location: RC 2

### Original Data (Not Transformed)

### Non-Detects Replaced with Detection Limit

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.19 (5/8/2013) | 0.12 (3/12/2013) | (0.19 - 0.12)/(2 - 1) | 0.07 |
| ND<0.1 U (9/23/2013) | 0.12 (3/12/2013) | (0.1 - 0.12)/(3 - 1) | -0.01 |
| 0.11 (12/10/2013) | 0.12 (3/12/2013) | (0.11 - 0.12)/(4 - 1) | -0.00333333 |
| 0.26 (2/6/2014) | 0.12 (3/12/2013) | (0.26 - 0.12)/(5 - 1) | 0.035 |
| 0.15 (6/26/2014) | 0.12 (3/12/2013) | (0.15 - 0.12)/(6 - 1) | 0.006 |
| ND<0.1 U (9/30/2014) | 0.12 (3/12/2013) | (0.1 - 0.12)/(7 - 1) | -0.00333333 |
| 0.17 (11/19/2014) | 0.12 (3/12/2013) | (0.17 - 0.12)/(8 - 1) | 0.00714286 |
| 0.15 (3/23/2015) | 0.12 (3/12/2013) | (0.15 - 0.12)/(9 - 1) | 0.00375 |
| 0.26 (4/22/2015) | 0.12 (3/12/2013) | (0.26 - 0.12)/(10 - 1) | 0.0155556 |
| ND<0.1 U (9/30/2015) | 0.12 (3/12/2013) | (0.1 - 0.12)/(11 - 1) | -0.002 |
| 0.27 (11/19/2015) | 0.12 (3/12/2013) | (0.27 - 0.12)/(12 - 1) | 0.0136364 |
| 0.18 (3/15/2016) | 0.12 (3/12/2013) | (0.18 - 0.12)/(13 - 1) | 0.005 |
| ND<0.1 U (6/29/2016) | 0.12 (3/12/2013) | (0.1 - 0.12)/(14 - 1) | -0.00153846 |
| 0.14 (8/9/2016) | 0.12 (3/12/2013) | (0.14 - 0.12)/(15 - 1) | 0.00142857 |
| 0.2 (12/7/2016) | 0.12 (3/12/2013) | (0.2 - 0.12)/(16 - 1) | 0.00533333 |
| 0.17 (3/2/2017) | 0.12 (3/12/2013) | (0.17 - 0.12)/(17 - 1) | 0.003125 |
| ND<0.1 U (6/21/2017) | 0.12 (3/12/2013) | (0.1 - 0.12)/(18 - 1) | -0.00117647 |
| ND<0.1 U (8/17/2017) | 0.12 (3/12/2013) | (0.1 - 0.12)/(19 - 1) | -0.00111111 |
| ND<0.1 U (10/26/2017) | 0.12 (3/12/2013) | (0.1 - 0.12)/(20 - 1) | -0.00105263 |
| 0.146 (3/27/2018) | 0.12 (3/12/2013) | (0.146 - 0.12)/(21 - 1) | 0.0013 |
| 0.101 (6/26/2018) | 0.12 (3/12/2013) | (0.101 - 0.12)/(22 - 1) | -0.000904762 |
| ND<0.1 U (8/1/2018) | 0.12 (3/12/2013) | (0.1 - 0.12)/(23 - 1) | -0.000909091 |
| 0.316 (12/11/2018) | 0.12 (3/12/2013) | (0.316 - 0.12)/(24 - 1) | 0.00852174 |
| 0.165 (4/17/2019) | 0.12 (3/12/2013) | (0.165 - 0.12)/(25 - 1) | 0.001875 |
| ND<0.1 U (6/11/2019) | 0.12 (3/12/2013) | (0.1 - 0.12)/(26 - 1) | -0.0008 |
| ND<0.1 U (8/28/2019) | 0.12 (3/12/2013) | (0.1 - 0.12)/(27 - 1) | -0.000769231 |
| 0.132 (10/28/2019) | 0.12 (3/12/2013) | (0.132 - 0.12)/(28 - 1) | 0.000444444 |
| 0.19 (3/31/2020) | 0.12 (3/12/2013) | (0.19 - 0.12)/(29 - 1) | 0.0025 |
| 0.21 (6/10/2020) | 0.12 (3/12/2013) | (0.21 - 0.12)/(30 - 1) | 0.00310345 |
| ND<0.1 U (9/21/2020) | 0.12 (3/12/2013) | (0.1 - 0.12)/(31 - 1) | -0.000666667 |
| 0.218 (12/17/2020) | 0.12 (3/12/2013) | (0.218 - 0.12)/(32 - 1) | 0.00316129 |
| 0.145 (3/18/2021) | 0.12 (3/12/2013) | (0.145 - 0.12)/(33 - 1) | 0.00078125 |
| 7.91 (5/5/2021) | 0.12 (3/12/2013) | (7.91 - 0.12)/(34 - 1) | 0.236061 |
| 0.122 (9/2/2021) | 0.12 (3/12/2013) | (0.122 - 0.12)/(35 - 1) | 5.88235e-05 |
| 0.124 (11/23/2021) | 0.12 (3/12/2013) | (0.124 - 0.12)/(36 - 1) | 0.000114286 |
| 0.185 (1/10/2022) | 0.12 (3/12/2013) | (0.185 - 0.12)/(37 - 1) | 0.00180556 |
| 0.186 (4/7/2022) | 0.12 (3/12/2013) | (0.186 - 0.12)/(38 - 1) | 0.00178378 |
| 0.175 (8/3/2022) | 0.12 (3/12/2013) | (0.175 - 0.12)/(39 - 1) | 0.00144737 |
| 0.126 (11/16/2022) | 0.12 (3/12/2013) | (0.126 - 0.12)/(40 - 1) | 0.000153846 |
| 0.273 (2/13/2023) | 0.12 (3/12/2013) | (0.273 - 0.12)/(41 - 1) | 0.003825 |
| 0.142 (5/24/2023) | 0.12 (3/12/2013) | (0.142 - 0.12)/(42 - 1) | 0.000536585 |
| ND<0.1 U (8/7/2023) | 0.12 (3/12/2013) | (0.1 - 0.12)/(43 - 1) | -0.00047619 |
| 0.166 (12/12/2023) | 0.12 (3/12/2013) | (0.166 - 0.12)/(44 - 1) | 0.00106977 |
| 0.511 (1/10/2024) | 0.12 (3/12/2013) | (0.511 - 0.12)/(45 - 1) | 0.00888636 |
| 0.142 (5/20/2024) | 0.12 (3/12/2013) | (0.142 - 0.12)/(46 - 1) | 0.000488889 |
| ND<0.05 U (9/16/2024) | 0.12 (3/12/2013) | (0.05 - 0.12)/(47 - 1) | -0.00152174 |
| 0.248 (12/11/2024) | 0.12 (3/12/2013) | (0.248 - 0.12)/(48 - 1) | 0.0027234 |
| 0.405 (2/18/2025) | 0.12 (3/12/2013) | (0.405 - 0.12)/(49 - 1) | 0.0059375 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | 0.19 (5/8/2013) | (0.1 - 0.19)/(3 - 2) | -0.09 |
| 0.11 (12/10/2013) | 0.19 (5/8/2013) | (0.11 - 0.19)/(4 - 2) | -0.04 |
| 0.26 (2/6/2014) | 0.19 (5/8/2013) | (0.26 - 0.19)/(5 - 2) | 0.0233333 |
| 0.15 (6/26/2014) | 0.19 (5/8/2013) | (0.15 - 0.19)/(6 - 2) | -0.01 |
| ND<0.1 U (9/30/2014) | 0.19 (5/8/2013) | (0.1 - 0.19)/(7 - 2) | -0.018 |
| 0.17 (11/19/2014) | 0.19 (5/8/2013) | (0.17 - 0.19)/(8 - 2) | -0.00333333 |
| 0.15 (3/23/2015) | 0.19 (5/8/2013) | (0.15 - 0.19)/(9 - 2) | -0.00571429 |
| 0.26 (4/22/2015) | 0.19 (5/8/2013) | (0.26 - 0.19)/(10 - 2) | 0.00875 |
| ND<0.1 U (9/30/2015) | 0.19 (5/8/2013) | (0.1 - 0.19)/(11 - 2) | -0.01 |
| 0.27 (11/19/2015) | 0.19 (5/8/2013) | (0.27 - 0.19)/(12 - 2) | 0.008 |
| 0.18 (3/15/2016) | 0.19 (5/8/2013) | (0.18 - 0.19)/(13 - 2) | -0.000909091 |
| ND<0.1 U (6/29/2016) | 0.19 (5/8/2013) | (0.1 - 0.19)/(14 - 2) | -0.0075 |
| 0.14 (8/9/2016) | 0.19 (5/8/2013) | (0.14 - 0.19)/(15 - 2) | -0.00384615 |
| 0.2 (12/7/2016) | 0.19 (5/8/2013) | (0.2 - 0.19)/(16 - 2) | 0.000714286 |
| 0.17 (3/2/2017) | 0.19 (5/8/2013) | (0.17 - 0.19)/(17 - 2) | -0.00133333 |
| ND<0.1 U (6/21/2017) | 0.19 (5/8/2013) | (0.1 - 0.19)/(18 - 2) | -0.005625 |
| ND<0.1 U (8/17/2017) | 0.19 (5/8/2013) | (0.1 - 0.19)/(19 - 2) | -0.00529412 |
| ND<0.1 U (10/26/2017) | 0.19 (5/8/2013) | (0.1 - 0.19)/(20 - 2) | -0.005 |
| 0.146 (3/27/2018) | 0.19 (5/8/2013) | (0.146 - 0.19)/(21 - 2) | -0.00231579 |
| 0.101 (6/26/2018) | 0.19 (5/8/2013) | (0.101 - 0.19)/(22 - 2) | -0.00445 |
| ND<0.1 U (8/1/2018) | 0.19 (5/8/2013) | (0.1 - 0.19)/(23 - 2) | -0.00428571 |
| 0.316 (12/11/2018) | 0.19 (5/8/2013) | (0.316 - 0.19)/(24 - 2) | 0.00572727 |
| 0.165 (4/17/2019) | 0.19 (5/8/2013) | (0.165 - 0.19)/(25 - 2) | -0.00108696 |
| ND<0.1 U (6/11/2019) | 0.19 (5/8/2013) | (0.1 - 0.19)/(26 - 2) | -0.00375 |
| ND<0.1 U (8/28/2019) | 0.19 (5/8/2013) | (0.1 - 0.19)/(27 - 2) | -0.0036 |
| 0.132 (10/28/2019) | 0.19 (5/8/2013) | (0.132 - 0.19)/(28 - 2) | -0.00223077 |
| 0.19 (3/31/2020) | 0.19 (5/8/2013) | (0.19 - 0.19)/(29 - 2) | 0 |
| 0.21 (6/10/2020) | 0.19 (5/8/2013) | (0.21 - 0.19)/(30 - 2) | 0.000714286 |
| ND<0.1 U (9/21/2020) | 0.19 (5/8/2013) | (0.1 - 0.19)/(31 - 2) | -0.00310345 |
| 0.218 (12/17/2020) | 0.19 (5/8/2013) | (0.218 - 0.19)/(32 - 2) | 0.000933333 |
| 0.145 (3/18/2021) | 0.19 (5/8/2013) | (0.145 - 0.19)/(33 - 2) | -0.00145161 |
| 7.91 (5/5/2021) | 0.19 (5/8/2013) | (7.91 - 0.19)/(34 - 2) | 0.24125 |
| 0.122 (9/2/2021) | 0.19 (5/8/2013) | (0.122 - 0.19)/(35 - 2) | -0.00206061 |
| 0.124 (11/23/2021) | 0.19 (5/8/2013) | (0.124 - 0.19)/(36 - 2) | -0.00194118 |
| 0.185 (1/10/2022) | 0.19 (5/8/2013) | (0.185 - 0.19)/(37 - 2) | -0.000142857 |
| 0.186 (4/7/2022) | 0.19 (5/8/2013) | (0.186 - 0.19)/(38 - 2) | -0.000111111 |
| 0.175 (8/3/2022) | 0.19 (5/8/2013) | (0.175 - 0.19)/(39 - 2) | -0.000405405 |
| 0.126 (11/16/2022) | 0.19 (5/8/2013) | (0.126 - 0.19)/(40 - 2) | -0.00168421 |
| 0.273 (2/13/2023) | 0.19 (5/8/2013) | (0.273 - 0.19)/(41 - 2) | 0.00212821 |
| 0.142 (5/24/2023) | 0.19 (5/8/2013) | (0.142 - 0.19)/(42 - 2) | -0.0012 |
| ND<0.1 U (8/7/2023) | 0.19 (5/8/2013) | (0.1 - 0.19)/(43 - 2) | -0.00219512 |
| 0.166 (12/12/2023) | 0.19 (5/8/2013) | (0.166 - 0.19)/(44 - 2) | -0.000571429 |
| 0.511 (1/10/2024) | 0.19 (5/8/2013) | (0.511 - 0.19)/(45 - 2) | 0.00746512 |
| 0.142 (5/20/2024) | 0.19 (5/8/2013) | (0.142 - 0.19)/(46 - 2) | -0.00109091 |
| ND<0.05 U (9/16/2024) | 0.19 (5/8/2013) | (0.05 - 0.19)/(47 - 2) | -0.00311111 |
| 0.248 (12/11/2024) | 0.19 (5/8/2013) | (0.248 - 0.19)/(48 - 2) | 0.00126087 |
| 0.405 (2/18/2025) | 0.19 (5/8/2013) | (0.405 - 0.19)/(49 - 2) | 0.00457447 |

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|---|---|---|---|
| 0.11 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(4 - 3) | 0.01 |
| 0.26 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(5 - 3) | 0.08 |
| 0.15 (6/26/2014) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(6 - 3) | 0.0166667 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.17 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.17 - 0.1)/(8 - 3) | 0.014 |
| 0.15 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(9 - 3) | 0.00833333 |
| 0.26 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(10 - 3) | 0.0228571 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

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|---|---|---|---|
| 0.27 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.27 - 0.1)/(12 - 3) | 0.0188889 |
| 0.18 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.18 - 0.1)/(13 - 3) | 0.008 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| 0.14 (8/9/2016) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(15 - 3) | 0.00333333 |
| 0.2 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(16 - 3) | 0.00769231 |
| 0.17 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.17 - 0.1)/(17 - 3) | 0.005 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| 0.146 (3/27/2018) | ND<0.1 U (9/23/2013) | (0.146 - 0.1)/(21 - 3) | 0.00255556 |
| 0.101 (6/26/2018) | ND<0.1 U (9/23/2013) | (0.101 - 0.1)/(22 - 3) | 5.26316e-05 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (9/23/2013) | (0.316 - 0.1)/(24 - 3) | 0.0102857 |
| 0.165 (4/17/2019) | ND<0.1 U (9/23/2013) | (0.165 - 0.1)/(25 - 3) | 0.00295455 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (9/23/2013) | (0.132 - 0.1)/(28 - 3) | 0.00128 |
| 0.19 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.19 - 0.1)/(29 - 3) | 0.00346154 |
| 0.21 (6/10/2020) | ND<0.1 U (9/23/2013) | (0.21 - 0.1)/(30 - 3) | 0.00407407 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.218 - 0.1)/(32 - 3) | 0.00406897 |
| 0.145 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.145 - 0.1)/(33 - 3) | 0.0015 |
| 7.91 (5/5/2021) | ND<0.1 U (9/23/2013) | (7.91 - 0.1)/(34 - 3) | 0.251935 |
| 0.122 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.122 - 0.1)/(35 - 3) | 0.0006875 |
| 0.124 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.124 - 0.1)/(36 - 3) | 0.000727273 |
| 0.185 (1/10/2022) | ND<0.1 U (9/23/2013) | (0.185 - 0.1)/(37 - 3) | 0.0025 |
| 0.186 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.186 - 0.1)/(38 - 3) | 0.00245714 |
| 0.175 (8/3/2022) | ND<0.1 U (9/23/2013) | (0.175 - 0.1)/(39 - 3) | 0.00208333 |
| 0.126 (11/16/2022) | ND<0.1 U (9/23/2013) | (0.126 - 0.1)/(40 - 3) | 0.000702703 |
| 0.273 (2/13/2023) | ND<0.1 U (9/23/2013) | (0.273 - 0.1)/(41 - 3) | 0.00455263 |
| 0.142 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.142 - 0.1)/(42 - 3) | 0.00107692 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.166 - 0.1)/(44 - 3) | 0.00160976 |
| 0.511 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.511 - 0.1)/(45 - 3) | 0.00978571 |
| 0.142 (5/20/2024) | ND<0.1 U (9/23/2013) | (0.142 - 0.1)/(46 - 3) | 0.000976744 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.248 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.248 - 0.1)/(48 - 3) | 0.00328889 |
| 0.405 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.405 - 0.1)/(49 - 3) | 0.00663043 |

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|---|---|---|---|
| 0.26 (2/6/2014) | 0.11 (12/10/2013) | (0.26 - 0.11)/(5 - 4) | 0.15 |
| 0.15 (6/26/2014) | 0.11 (12/10/2013) | (0.15 - 0.11)/(6 - 4) | 0.02 |
| ND<0.1 U (9/30/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(7 - 4) | -0.00333333 |
| 0.17 (11/19/2014) | 0.11 (12/10/2013) | (0.17 - 0.11)/(8 - 4) | 0.015 |
| 0.15 (3/23/2015) | 0.11 (12/10/2013) | (0.15 - 0.11)/(9 - 4) | 0.008 |
| 0.26 (4/22/2015) | 0.11 (12/10/2013) | (0.26 - 0.11)/(10 - 4) | 0.025 |
| ND<0.1 U (9/30/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(11 - 4) | -0.00142857 |
| 0.27 (11/19/2015) | 0.11 (12/10/2013) | (0.27 - 0.11)/(12 - 4) | 0.02 |
| 0.18 (3/15/2016) | 0.11 (12/10/2013) | (0.18 - 0.11)/(13 - 4) | 0.00777778 |
| ND<0.1 U (6/29/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(14 - 4) | -0.001 |
| 0.14 (8/9/2016) | 0.11 (12/10/2013) | (0.14 - 0.11)/(15 - 4) | 0.00272727 |
| 0.2 (12/7/2016) | 0.11 (12/10/2013) | (0.2 - 0.11)/(16 - 4) | 0.0075 |
| 0.17 (3/2/2017) | 0.11 (12/10/2013) | (0.17 - 0.11)/(17 - 4) | 0.00461538 |
| ND<0.1 U (6/21/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(18 - 4) | -0.000714286 |
| ND<0.1 U (8/17/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(19 - 4) | -0.000666667 |
| ND<0.1 U (10/26/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(20 - 4) | -0.000625 |
| 0.146 (3/27/2018) | 0.11 (12/10/2013) | (0.146 - 0.11)/(21 - 4) | 0.00211765 |
| 0.101 (6/26/2018) | 0.11 (12/10/2013) | (0.101 - 0.11)/(22 - 4) | -0.0005 |

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|---|---|---|---|
| ND<0.1 U (8/1/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(23 - 4) | -0.000526316 |
| 0.316 (12/11/2018) | 0.11 (12/10/2013) | (0.316 - 0.11)/(24 - 4) | 0.0103 |
| 0.165 (4/17/2019) | 0.11 (12/10/2013) | (0.165 - 0.11)/(25 - 4) | 0.00261905 |
| ND<0.1 U (6/11/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(26 - 4) | -0.000454545 |
| ND<0.1 U (8/28/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(27 - 4) | -0.000434783 |
| 0.132 (10/28/2019) | 0.11 (12/10/2013) | (0.132 - 0.11)/(28 - 4) | 0.000916667 |
| 0.19 (3/31/2020) | 0.11 (12/10/2013) | (0.19 - 0.11)/(29 - 4) | 0.0032 |
| 0.21 (6/10/2020) | 0.11 (12/10/2013) | (0.21 - 0.11)/(30 - 4) | 0.00384615 |
| ND<0.1 U (9/21/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(31 - 4) | -0.00037037 |
| 0.218 (12/17/2020) | 0.11 (12/10/2013) | (0.218 - 0.11)/(32 - 4) | 0.00385714 |
| 0.145 (3/18/2021) | 0.11 (12/10/2013) | (0.145 - 0.11)/(33 - 4) | 0.0012069 |
| 7.91 (5/5/2021) | 0.11 (12/10/2013) | (7.91 - 0.11)/(34 - 4) | 0.26 |
| 0.122 (9/2/2021) | 0.11 (12/10/2013) | (0.122 - 0.11)/(35 - 4) | 0.000387097 |
| 0.124 (11/23/2021) | 0.11 (12/10/2013) | (0.124 - 0.11)/(36 - 4) | 0.0004375 |
| 0.185 (1/10/2022) | 0.11 (12/10/2013) | (0.185 - 0.11)/(37 - 4) | 0.00227273 |
| 0.186 (4/7/2022) | 0.11 (12/10/2013) | (0.186 - 0.11)/(38 - 4) | 0.00223529 |
| 0.175 (8/3/2022) | 0.11 (12/10/2013) | (0.175 - 0.11)/(39 - 4) | 0.00185714 |
| 0.126 (11/16/2022) | 0.11 (12/10/2013) | (0.126 - 0.11)/(40 - 4) | 0.000444444 |
| 0.273 (2/13/2023) | 0.11 (12/10/2013) | (0.273 - 0.11)/(41 - 4) | 0.00440541 |
| 0.142 (5/24/2023) | 0.11 (12/10/2013) | (0.142 - 0.11)/(42 - 4) | 0.000842105 |
| ND<0.1 U (8/7/2023) | 0.11 (12/10/2013) | (0.1 - 0.11)/(43 - 4) | -0.00025641 |
| 0.166 (12/12/2023) | 0.11 (12/10/2013) | (0.166 - 0.11)/(44 - 4) | 0.0014 |
| 0.511 (1/10/2024) | 0.11 (12/10/2013) | (0.511 - 0.11)/(45 - 4) | 0.00978049 |
| 0.142 (5/20/2024) | 0.11 (12/10/2013) | (0.142 - 0.11)/(46 - 4) | 0.000761905 |
| ND<0.05 U (9/16/2024) | 0.11 (12/10/2013) | (0.05 - 0.11)/(47 - 4) | -0.00139535 |
| 0.248 (12/11/2024) | 0.11 (12/10/2013) | (0.248 - 0.11)/(48 - 4) | 0.00313636 |
| 0.405 (2/18/2025) | 0.11 (12/10/2013) | (0.405 - 0.11)/(49 - 4) | 0.00655556 |
| | | | |
| 0.15 (6/26/2014) | 0.26 (2/6/2014) | (0.15 - 0.26)/(6 - 5) | -0.11 |
| ND<0.1 U (9/30/2014) | 0.26 (2/6/2014) | (0.1 - 0.26)/(7 - 5) | -0.08 |
| 0.17 (11/19/2014) | 0.26 (2/6/2014) | (0.17 - 0.26)/(8 - 5) | -0.03 |
| 0.15 (3/23/2015) | 0.26 (2/6/2014) | (0.15 - 0.26)/(9 - 5) | -0.0275 |
| 0.26 (4/22/2015) | 0.26 (2/6/2014) | (0.26 - 0.26)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | 0.26 (2/6/2014) | (0.1 - 0.26)/(11 - 5) | -0.0266667 |
| 0.27 (11/19/2015) | 0.26 (2/6/2014) | (0.27 - 0.26)/(12 - 5) | 0.00142857 |
| 0.18 (3/15/2016) | 0.26 (2/6/2014) | (0.18 - 0.26)/(13 - 5) | -0.01 |
| ND<0.1 U (6/29/2016) | 0.26 (2/6/2014) | (0.1 - 0.26)/(14 - 5) | -0.0177778 |
| 0.14 (8/9/2016) | 0.26 (2/6/2014) | (0.14 - 0.26)/(15 - 5) | -0.012 |
| 0.2 (12/7/2016) | 0.26 (2/6/2014) | (0.2 - 0.26)/(16 - 5) | -0.00545455 |
| 0.17 (3/2/2017) | 0.26 (2/6/2014) | (0.17 - 0.26)/(17 - 5) | -0.0075 |
| ND<0.1 U (6/21/2017) | 0.26 (2/6/2014) | (0.1 - 0.26)/(18 - 5) | -0.0123077 |
| ND<0.1 U (8/17/2017) | 0.26 (2/6/2014) | (0.1 - 0.26)/(19 - 5) | -0.0114286 |
| ND<0.1 U (10/26/2017) | 0.26 (2/6/2014) | (0.1 - 0.26)/(20 - 5) | -0.0106667 |
| 0.146 (3/27/2018) | 0.26 (2/6/2014) | (0.146 - 0.26)/(21 - 5) | -0.007125 |
| 0.101 (6/26/2018) | 0.26 (2/6/2014) | (0.101 - 0.26)/(22 - 5) | -0.00935294 |
| ND<0.1 U (8/1/2018) | 0.26 (2/6/2014) | (0.1 - 0.26)/(23 - 5) | -0.00888889 |
| 0.316 (12/11/2018) | 0.26 (2/6/2014) | (0.316 - 0.26)/(24 - 5) | 0.00294737 |
| 0.165 (4/17/2019) | 0.26 (2/6/2014) | (0.165 - 0.26)/(25 - 5) | -0.00475 |
| ND<0.1 U (6/11/2019) | 0.26 (2/6/2014) | (0.1 - 0.26)/(26 - 5) | -0.00761905 |
| ND<0.1 U (8/28/2019) | 0.26 (2/6/2014) | (0.1 - 0.26)/(27 - 5) | -0.00727273 |
| 0.132 (10/28/2019) | 0.26 (2/6/2014) | (0.132 - 0.26)/(28 - 5) | -0.00556522 |
| 0.19 (3/31/2020) | 0.26 (2/6/2014) | (0.19 - 0.26)/(29 - 5) | -0.00291667 |
| 0.21 (6/10/2020) | 0.26 (2/6/2014) | (0.21 - 0.26)/(30 - 5) | -0.002 |
| ND<0.1 U (9/21/2020) | 0.26 (2/6/2014) | (0.1 - 0.26)/(31 - 5) | -0.00615385 |
| 0.218 (12/17/2020) | 0.26 (2/6/2014) | (0.218 - 0.26)/(32 - 5) | -0.00155556 |
| 0.145 (3/18/2021) | 0.26 (2/6/2014) | (0.145 - 0.26)/(33 - 5) | -0.00410714 |
| 7.91 (5/5/2021) | 0.26 (2/6/2014) | (7.91 - 0.26)/(34 - 5) | 0.263793 |

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|---|---|---|---|
| 0.122 (9/2/2021) | 0.26 (2/6/2014) | (0.122 - 0.26)/(35 - 5) | -0.0046 |
| 0.124 (11/23/2021) | 0.26 (2/6/2014) | (0.124 - 0.26)/(36 - 5) | -0.0043871 |
| 0.185 (1/10/2022) | 0.26 (2/6/2014) | (0.185 - 0.26)/(37 - 5) | -0.00234375 |
| 0.186 (4/7/2022) | 0.26 (2/6/2014) | (0.186 - 0.26)/(38 - 5) | -0.00224242 |
| 0.175 (8/3/2022) | 0.26 (2/6/2014) | (0.175 - 0.26)/(39 - 5) | -0.0025 |
| 0.126 (11/16/2022) | 0.26 (2/6/2014) | (0.126 - 0.26)/(40 - 5) | -0.00382857 |
| 0.273 (2/13/2023) | 0.26 (2/6/2014) | (0.273 - 0.26)/(41 - 5) | 0.000361111 |
| 0.142 (5/24/2023) | 0.26 (2/6/2014) | (0.142 - 0.26)/(42 - 5) | -0.00318919 |
| ND<0.1 U (8/7/2023) | 0.26 (2/6/2014) | (0.1 - 0.26)/(43 - 5) | -0.00421053 |
| 0.166 (12/12/2023) | 0.26 (2/6/2014) | (0.166 - 0.26)/(44 - 5) | -0.00241026 |
| 0.511 (1/10/2024) | 0.26 (2/6/2014) | (0.511 - 0.26)/(45 - 5) | 0.006275 |
| 0.142 (5/20/2024) | 0.26 (2/6/2014) | (0.142 - 0.26)/(46 - 5) | -0.00287805 |
| ND<0.05 U (9/16/2024) | 0.26 (2/6/2014) | (0.05 - 0.26)/(47 - 5) | -0.005 |
| 0.248 (12/11/2024) | 0.26 (2/6/2014) | (0.248 - 0.26)/(48 - 5) | -0.00027907 |
| 0.405 (2/18/2025) | 0.26 (2/6/2014) | (0.405 - 0.26)/(49 - 5) | 0.00329545 |
| | | | |
| ND<0.1 U (9/30/2014) | 0.15 (6/26/2014) | (0.1 - 0.15)/(7 - 6) | -0.05 |
| 0.17 (11/19/2014) | 0.15 (6/26/2014) | (0.17 - 0.15)/(8 - 6) | 0.01 |
| 0.15 (3/23/2015) | 0.15 (6/26/2014) | (0.15 - 0.15)/(9 - 6) | 0 |
| 0.26 (4/22/2015) | 0.15 (6/26/2014) | (0.26 - 0.15)/(10 - 6) | 0.0275 |
| ND<0.1 U (9/30/2015) | 0.15 (6/26/2014) | (0.1 - 0.15)/(11 - 6) | -0.01 |
| 0.27 (11/19/2015) | 0.15 (6/26/2014) | (0.27 - 0.15)/(12 - 6) | 0.02 |
| 0.18 (3/15/2016) | 0.15 (6/26/2014) | (0.18 - 0.15)/(13 - 6) | 0.00428571 |
| ND<0.1 U (6/29/2016) | 0.15 (6/26/2014) | (0.1 - 0.15)/(14 - 6) | -0.00625 |
| 0.14 (8/9/2016) | 0.15 (6/26/2014) | (0.14 - 0.15)/(15 - 6) | -0.00111111 |
| 0.2 (12/7/2016) | 0.15 (6/26/2014) | (0.2 - 0.15)/(16 - 6) | 0.005 |
| 0.17 (3/2/2017) | 0.15 (6/26/2014) | (0.17 - 0.15)/(17 - 6) | 0.00181818 |
| ND<0.1 U (6/21/2017) | 0.15 (6/26/2014) | (0.1 - 0.15)/(18 - 6) | -0.00416667 |
| ND<0.1 U (8/17/2017) | 0.15 (6/26/2014) | (0.1 - 0.15)/(19 - 6) | -0.00384615 |
| ND<0.1 U (10/26/2017) | 0.15 (6/26/2014) | (0.1 - 0.15)/(20 - 6) | -0.00357143 |
| 0.146 (3/27/2018) | 0.15 (6/26/2014) | (0.146 - 0.15)/(21 - 6) | -0.000266667 |
| 0.101 (6/26/2018) | 0.15 (6/26/2014) | (0.101 - 0.15)/(22 - 6) | -0.0030625 |
| ND<0.1 U (8/1/2018) | 0.15 (6/26/2014) | (0.1 - 0.15)/(23 - 6) | -0.00294118 |
| 0.316 (12/11/2018) | 0.15 (6/26/2014) | (0.316 - 0.15)/(24 - 6) | 0.00922222 |
| 0.165 (4/17/2019) | 0.15 (6/26/2014) | (0.165 - 0.15)/(25 - 6) | 0.000789474 |
| ND<0.1 U (6/11/2019) | 0.15 (6/26/2014) | (0.1 - 0.15)/(26 - 6) | -0.0025 |
| ND<0.1 U (8/28/2019) | 0.15 (6/26/2014) | (0.1 - 0.15)/(27 - 6) | -0.00238095 |
| 0.132 (10/28/2019) | 0.15 (6/26/2014) | (0.132 - 0.15)/(28 - 6) | -0.000818182 |
| 0.19 (3/31/2020) | 0.15 (6/26/2014) | (0.19 - 0.15)/(29 - 6) | 0.00173913 |
| 0.21 (6/10/2020) | 0.15 (6/26/2014) | (0.21 - 0.15)/(30 - 6) | 0.0025 |
| ND<0.1 U (9/21/2020) | 0.15 (6/26/2014) | (0.1 - 0.15)/(31 - 6) | -0.002 |
| 0.218 (12/17/2020) | 0.15 (6/26/2014) | (0.218 - 0.15)/(32 - 6) | 0.00261538 |
| 0.145 (3/18/2021) | 0.15 (6/26/2014) | (0.145 - 0.15)/(33 - 6) | -0.000185185 |
| 7.91 (5/5/2021) | 0.15 (6/26/2014) | (7.91 - 0.15)/(34 - 6) | 0.277143 |
| 0.122 (9/2/2021) | 0.15 (6/26/2014) | (0.122 - 0.15)/(35 - 6) | -0.000965517 |
| 0.124 (11/23/2021) | 0.15 (6/26/2014) | (0.124 - 0.15)/(36 - 6) | -0.000866667 |
| 0.185 (1/10/2022) | 0.15 (6/26/2014) | (0.185 - 0.15)/(37 - 6) | 0.00112903 |
| 0.186 (4/7/2022) | 0.15 (6/26/2014) | (0.186 - 0.15)/(38 - 6) | 0.001125 |
| 0.175 (8/3/2022) | 0.15 (6/26/2014) | (0.175 - 0.15)/(39 - 6) | 0.000757576 |
| 0.126 (11/16/2022) | 0.15 (6/26/2014) | (0.126 - 0.15)/(40 - 6) | -0.000705882 |
| 0.273 (2/13/2023) | 0.15 (6/26/2014) | (0.273 - 0.15)/(41 - 6) | 0.00351429 |
| 0.142 (5/24/2023) | 0.15 (6/26/2014) | (0.142 - 0.15)/(42 - 6) | -0.000222222 |
| ND<0.1 U (8/7/2023) | 0.15 (6/26/2014) | (0.1 - 0.15)/(43 - 6) | -0.00135135 |
| 0.166 (12/12/2023) | 0.15 (6/26/2014) | (0.166 - 0.15)/(44 - 6) | 0.000421053 |
| 0.511 (1/10/2024) | 0.15 (6/26/2014) | (0.511 - 0.15)/(45 - 6) | 0.00925641 |
| 0.142 (5/20/2024) | 0.15 (6/26/2014) | (0.142 - 0.15)/(46 - 6) | -0.0002 |
| ND<0.05 U (9/16/2024) | 0.15 (6/26/2014) | (0.05 - 0.15)/(47 - 6) | -0.00243902 |

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|---|---|---|---|
| 0.248 (12/11/2024) | 0.15 (6/26/2014) | (0.248 - 0.15)/(48 - 6) | 0.00233333 |
| 0.405 (2/18/2025) | 0.15 (6/26/2014) | (0.405 - 0.15)/(49 - 6) | 0.00593023 |
| | | | |
| 0.17 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.17 - 0.1)/(8 - 7) | 0.07 |
| 0.15 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(9 - 7) | 0.025 |
| 0.26 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.26 - 0.1)/(10 - 7) | 0.0533333 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.27 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.27 - 0.1)/(12 - 7) | 0.034 |
| 0.18 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.18 - 0.1)/(13 - 7) | 0.0133333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| 0.14 (8/9/2016) | ND<0.1 U (9/30/2014) | (0.14 - 0.1)/(15 - 7) | 0.005 |
| 0.2 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(16 - 7) | 0.0111111 |
| 0.17 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.17 - 0.1)/(17 - 7) | 0.007 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| 0.146 (3/27/2018) | ND<0.1 U (9/30/2014) | (0.146 - 0.1)/(21 - 7) | 0.00328571 |
| 0.101 (6/26/2018) | ND<0.1 U (9/30/2014) | (0.101 - 0.1)/(22 - 7) | 6.66667e-05 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (9/30/2014) | (0.316 - 0.1)/(24 - 7) | 0.0127059 |
| 0.165 (4/17/2019) | ND<0.1 U (9/30/2014) | (0.165 - 0.1)/(25 - 7) | 0.00361111 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.132 - 0.1)/(28 - 7) | 0.00152381 |
| 0.19 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.19 - 0.1)/(29 - 7) | 0.00409091 |
| 0.21 (6/10/2020) | ND<0.1 U (9/30/2014) | (0.21 - 0.1)/(30 - 7) | 0.00478261 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.218 - 0.1)/(32 - 7) | 0.00472 |
| 0.145 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.145 - 0.1)/(33 - 7) | 0.00173077 |
| 7.91 (5/5/2021) | ND<0.1 U (9/30/2014) | (7.91 - 0.1)/(34 - 7) | 0.289259 |
| 0.122 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.122 - 0.1)/(35 - 7) | 0.000785714 |
| 0.124 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.124 - 0.1)/(36 - 7) | 0.000827586 |
| 0.185 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.185 - 0.1)/(37 - 7) | 0.00283333 |
| 0.186 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.186 - 0.1)/(38 - 7) | 0.00277419 |
| 0.175 (8/3/2022) | ND<0.1 U (9/30/2014) | (0.175 - 0.1)/(39 - 7) | 0.00234375 |
| 0.126 (11/16/2022) | ND<0.1 U (9/30/2014) | (0.126 - 0.1)/(40 - 7) | 0.000787879 |
| 0.273 (2/13/2023) | ND<0.1 U (9/30/2014) | (0.273 - 0.1)/(41 - 7) | 0.00508824 |
| 0.142 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.142 - 0.1)/(42 - 7) | 0.0012 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.166 - 0.1)/(44 - 7) | 0.00178378 |
| 0.511 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.511 - 0.1)/(45 - 7) | 0.0108158 |
| 0.142 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.142 - 0.1)/(46 - 7) | 0.00107692 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.248 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.248 - 0.1)/(48 - 7) | 0.00360976 |
| 0.405 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.405 - 0.1)/(49 - 7) | 0.0072619 |
| | | | |
| 0.15 (3/23/2015) | 0.17 (11/19/2014) | (0.15 - 0.17)/(9 - 8) | -0.02 |
| 0.26 (4/22/2015) | 0.17 (11/19/2014) | (0.26 - 0.17)/(10 - 8) | 0.045 |
| ND<0.1 U (9/30/2015) | 0.17 (11/19/2014) | (0.1 - 0.17)/(11 - 8) | -0.0233333 |
| 0.27 (11/19/2015) | 0.17 (11/19/2014) | (0.27 - 0.17)/(12 - 8) | 0.025 |
| 0.18 (3/15/2016) | 0.17 (11/19/2014) | (0.18 - 0.17)/(13 - 8) | 0.002 |
| ND<0.1 U (6/29/2016) | 0.17 (11/19/2014) | (0.1 - 0.17)/(14 - 8) | -0.0116667 |
| 0.14 (8/9/2016) | 0.17 (11/19/2014) | (0.14 - 0.17)/(15 - 8) | -0.00428571 |
| 0.2 (12/7/2016) | 0.17 (11/19/2014) | (0.2 - 0.17)/(16 - 8) | 0.00375 |
| 0.17 (3/2/2017) | 0.17 (11/19/2014) | (0.17 - 0.17)/(17 - 8) | 0 |
| ND<0.1 U (6/21/2017) | 0.17 (11/19/2014) | (0.1 - 0.17)/(18 - 8) | -0.007 |
| ND<0.1 U (8/17/2017) | 0.17 (11/19/2014) | (0.1 - 0.17)/(19 - 8) | -0.00636364 |

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|---|---|---|---|
| ND<0.1 U (10/26/2017) | 0.17 (11/19/2014) | (0.1 - 0.17)/(20 - 8) | -0.00583333 |
| 0.146 (3/27/2018) | 0.17 (11/19/2014) | (0.146 - 0.17)/(21 - 8) | -0.00184615 |
| 0.101 (6/26/2018) | 0.17 (11/19/2014) | (0.101 - 0.17)/(22 - 8) | -0.00492857 |
| ND<0.1 U (8/1/2018) | 0.17 (11/19/2014) | (0.1 - 0.17)/(23 - 8) | -0.00466667 |
| 0.316 (12/11/2018) | 0.17 (11/19/2014) | (0.316 - 0.17)/(24 - 8) | 0.009125 |
| 0.165 (4/17/2019) | 0.17 (11/19/2014) | (0.165 - 0.17)/(25 - 8) | -0.000294118 |
| ND<0.1 U (6/11/2019) | 0.17 (11/19/2014) | (0.1 - 0.17)/(26 - 8) | -0.00388889 |
| ND<0.1 U (8/28/2019) | 0.17 (11/19/2014) | (0.1 - 0.17)/(27 - 8) | -0.00368421 |
| 0.132 (10/28/2019) | 0.17 (11/19/2014) | (0.132 - 0.17)/(28 - 8) | -0.0019 |
| 0.19 (3/31/2020) | 0.17 (11/19/2014) | (0.19 - 0.17)/(29 - 8) | 0.000952381 |
| 0.21 (6/10/2020) | 0.17 (11/19/2014) | (0.21 - 0.17)/(30 - 8) | 0.00181818 |
| ND<0.1 U (9/21/2020) | 0.17 (11/19/2014) | (0.1 - 0.17)/(31 - 8) | -0.00304348 |
| 0.218 (12/17/2020) | 0.17 (11/19/2014) | (0.218 - 0.17)/(32 - 8) | 0.002 |
| 0.145 (3/18/2021) | 0.17 (11/19/2014) | (0.145 - 0.17)/(33 - 8) | -0.001 |
| 7.91 (5/5/2021) | 0.17 (11/19/2014) | (7.91 - 0.17)/(34 - 8) | 0.297692 |
| 0.122 (9/2/2021) | 0.17 (11/19/2014) | (0.122 - 0.17)/(35 - 8) | -0.00177778 |
| 0.124 (11/23/2021) | 0.17 (11/19/2014) | (0.124 - 0.17)/(36 - 8) | -0.00164286 |
| 0.185 (1/10/2022) | 0.17 (11/19/2014) | (0.185 - 0.17)/(37 - 8) | 0.000517241 |
| 0.186 (4/7/2022) | 0.17 (11/19/2014) | (0.186 - 0.17)/(38 - 8) | 0.000533333 |
| 0.175 (8/3/2022) | 0.17 (11/19/2014) | (0.175 - 0.17)/(39 - 8) | 0.00016129 |
| 0.126 (11/16/2022) | 0.17 (11/19/2014) | (0.126 - 0.17)/(40 - 8) | -0.001375 |
| 0.273 (2/13/2023) | 0.17 (11/19/2014) | (0.273 - 0.17)/(41 - 8) | 0.00312121 |
| 0.142 (5/24/2023) | 0.17 (11/19/2014) | (0.142 - 0.17)/(42 - 8) | -0.000823529 |
| ND<0.1 U (8/7/2023) | 0.17 (11/19/2014) | (0.1 - 0.17)/(43 - 8) | -0.002 |
| 0.166 (12/12/2023) | 0.17 (11/19/2014) | (0.166 - 0.17)/(44 - 8) | -0.000111111 |
| 0.511 (1/10/2024) | 0.17 (11/19/2014) | (0.511 - 0.17)/(45 - 8) | 0.00921622 |
| 0.142 (5/20/2024) | 0.17 (11/19/2014) | (0.142 - 0.17)/(46 - 8) | -0.000736842 |
| ND<0.05 U (9/16/2024) | 0.17 (11/19/2014) | (0.05 - 0.17)/(47 - 8) | -0.00307692 |
| 0.248 (12/11/2024) | 0.17 (11/19/2014) | (0.248 - 0.17)/(48 - 8) | 0.00195 |
| 0.405 (2/18/2025) | 0.17 (11/19/2014) | (0.405 - 0.17)/(49 - 8) | 0.00573171 |
| | | | |
| 0.26 (4/22/2015) | 0.15 (3/23/2015) | (0.26 - 0.15)/(10 - 9) | 0.11 |
| ND<0.1 U (9/30/2015) | 0.15 (3/23/2015) | (0.1 - 0.15)/(11 - 9) | -0.025 |
| 0.27 (11/19/2015) | 0.15 (3/23/2015) | (0.27 - 0.15)/(12 - 9) | 0.04 |
| 0.18 (3/15/2016) | 0.15 (3/23/2015) | (0.18 - 0.15)/(13 - 9) | 0.0075 |
| ND<0.1 U (6/29/2016) | 0.15 (3/23/2015) | (0.1 - 0.15)/(14 - 9) | -0.01 |
| 0.14 (8/9/2016) | 0.15 (3/23/2015) | (0.14 - 0.15)/(15 - 9) | -0.00166667 |
| 0.2 (12/7/2016) | 0.15 (3/23/2015) | (0.2 - 0.15)/(16 - 9) | 0.00714286 |
| 0.17 (3/2/2017) | 0.15 (3/23/2015) | (0.17 - 0.15)/(17 - 9) | 0.0025 |
| ND<0.1 U (6/21/2017) | 0.15 (3/23/2015) | (0.1 - 0.15)/(18 - 9) | -0.00555556 |
| ND<0.1 U (8/17/2017) | 0.15 (3/23/2015) | (0.1 - 0.15)/(19 - 9) | -0.005 |
| ND<0.1 U (10/26/2017) | 0.15 (3/23/2015) | (0.1 - 0.15)/(20 - 9) | -0.00454545 |
| 0.146 (3/27/2018) | 0.15 (3/23/2015) | (0.146 - 0.15)/(21 - 9) | -0.000333333 |
| 0.101 (6/26/2018) | 0.15 (3/23/2015) | (0.101 - 0.15)/(22 - 9) | -0.00376923 |
| ND<0.1 U (8/1/2018) | 0.15 (3/23/2015) | (0.1 - 0.15)/(23 - 9) | -0.00357143 |
| 0.316 (12/11/2018) | 0.15 (3/23/2015) | (0.316 - 0.15)/(24 - 9) | 0.0110667 |
| 0.165 (4/17/2019) | 0.15 (3/23/2015) | (0.165 - 0.15)/(25 - 9) | 0.0009375 |
| ND<0.1 U (6/11/2019) | 0.15 (3/23/2015) | (0.1 - 0.15)/(26 - 9) | -0.00294118 |
| ND<0.1 U (8/28/2019) | 0.15 (3/23/2015) | (0.1 - 0.15)/(27 - 9) | -0.00277778 |
| 0.132 (10/28/2019) | 0.15 (3/23/2015) | (0.132 - 0.15)/(28 - 9) | -0.000947368 |
| 0.19 (3/31/2020) | 0.15 (3/23/2015) | (0.19 - 0.15)/(29 - 9) | 0.002 |
| 0.21 (6/10/2020) | 0.15 (3/23/2015) | (0.21 - 0.15)/(30 - 9) | 0.00285714 |
| ND<0.1 U (9/21/2020) | 0.15 (3/23/2015) | (0.1 - 0.15)/(31 - 9) | -0.00227273 |
| 0.218 (12/17/2020) | 0.15 (3/23/2015) | (0.218 - 0.15)/(32 - 9) | 0.00295652 |
| 0.145 (3/18/2021) | 0.15 (3/23/2015) | (0.145 - 0.15)/(33 - 9) | -0.000208333 |
| 7.91 (5/5/2021) | 0.15 (3/23/2015) | (7.91 - 0.15)/(34 - 9) | 0.3104 |
| 0.122 (9/2/2021) | 0.15 (3/23/2015) | (0.122 - 0.15)/(35 - 9) | -0.00107692 |

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|---|---|---|---|
| 0.124 (11/23/2021) | 0.15 (3/23/2015) | (0.124 - 0.15)/(36 - 9) | -0.000962963 |
| 0.185 (1/10/2022) | 0.15 (3/23/2015) | (0.185 - 0.15)/(37 - 9) | 0.00125 |
| 0.186 (4/7/2022) | 0.15 (3/23/2015) | (0.186 - 0.15)/(38 - 9) | 0.00124138 |
| 0.175 (8/3/2022) | 0.15 (3/23/2015) | (0.175 - 0.15)/(39 - 9) | 0.000833333 |
| 0.126 (11/16/2022) | 0.15 (3/23/2015) | (0.126 - 0.15)/(40 - 9) | -0.000774194 |
| 0.273 (2/13/2023) | 0.15 (3/23/2015) | (0.273 - 0.15)/(41 - 9) | 0.00384375 |
| 0.142 (5/24/2023) | 0.15 (3/23/2015) | (0.142 - 0.15)/(42 - 9) | -0.000242424 |
| ND<0.1 U (8/7/2023) | 0.15 (3/23/2015) | (0.1 - 0.15)/(43 - 9) | -0.00147059 |
| 0.166 (12/12/2023) | 0.15 (3/23/2015) | (0.166 - 0.15)/(44 - 9) | 0.000457143 |
| 0.511 (1/10/2024) | 0.15 (3/23/2015) | (0.511 - 0.15)/(45 - 9) | 0.0100278 |
| 0.142 (5/20/2024) | 0.15 (3/23/2015) | (0.142 - 0.15)/(46 - 9) | -0.000216216 |
| ND<0.05 U (9/16/2024) | 0.15 (3/23/2015) | (0.05 - 0.15)/(47 - 9) | -0.00263158 |
| 0.248 (12/11/2024) | 0.15 (3/23/2015) | (0.248 - 0.15)/(48 - 9) | 0.00251282 |
| 0.405 (2/18/2025) | 0.15 (3/23/2015) | (0.405 - 0.15)/(49 - 9) | 0.006375 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.26 (4/22/2015) | (0.1 - 0.26)/(11 - 10) | -0.16 |
| 0.27 (11/19/2015) | 0.26 (4/22/2015) | (0.27 - 0.26)/(12 - 10) | 0.005 |
| 0.18 (3/15/2016) | 0.26 (4/22/2015) | (0.18 - 0.26)/(13 - 10) | -0.0266667 |
| ND<0.1 U (6/29/2016) | 0.26 (4/22/2015) | (0.1 - 0.26)/(14 - 10) | -0.04 |
| 0.14 (8/9/2016) | 0.26 (4/22/2015) | (0.14 - 0.26)/(15 - 10) | -0.024 |
| 0.2 (12/7/2016) | 0.26 (4/22/2015) | (0.2 - 0.26)/(16 - 10) | -0.01 |
| 0.17 (3/2/2017) | 0.26 (4/22/2015) | (0.17 - 0.26)/(17 - 10) | -0.0128571 |
| ND<0.1 U (6/21/2017) | 0.26 (4/22/2015) | (0.1 - 0.26)/(18 - 10) | -0.02 |
| ND<0.1 U (8/17/2017) | 0.26 (4/22/2015) | (0.1 - 0.26)/(19 - 10) | -0.0177778 |
| ND<0.1 U (10/26/2017) | 0.26 (4/22/2015) | (0.1 - 0.26)/(20 - 10) | -0.016 |
| 0.146 (3/27/2018) | 0.26 (4/22/2015) | (0.146 - 0.26)/(21 - 10) | -0.0103636 |
| 0.101 (6/26/2018) | 0.26 (4/22/2015) | (0.101 - 0.26)/(22 - 10) | -0.01325 |
| ND<0.1 U (8/1/2018) | 0.26 (4/22/2015) | (0.1 - 0.26)/(23 - 10) | -0.0123077 |
| 0.316 (12/11/2018) | 0.26 (4/22/2015) | (0.316 - 0.26)/(24 - 10) | 0.004 |
| 0.165 (4/17/2019) | 0.26 (4/22/2015) | (0.165 - 0.26)/(25 - 10) | -0.00633333 |
| ND<0.1 U (6/11/2019) | 0.26 (4/22/2015) | (0.1 - 0.26)/(26 - 10) | -0.01 |
| ND<0.1 U (8/28/2019) | 0.26 (4/22/2015) | (0.1 - 0.26)/(27 - 10) | -0.00941176 |
| 0.132 (10/28/2019) | 0.26 (4/22/2015) | (0.132 - 0.26)/(28 - 10) | -0.00711111 |
| 0.19 (3/31/2020) | 0.26 (4/22/2015) | (0.19 - 0.26)/(29 - 10) | -0.00368421 |
| 0.21 (6/10/2020) | 0.26 (4/22/2015) | (0.21 - 0.26)/(30 - 10) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.26 (4/22/2015) | (0.1 - 0.26)/(31 - 10) | -0.00761905 |
| 0.218 (12/17/2020) | 0.26 (4/22/2015) | (0.218 - 0.26)/(32 - 10) | -0.00190909 |
| 0.145 (3/18/2021) | 0.26 (4/22/2015) | (0.145 - 0.26)/(33 - 10) | -0.005 |
| 7.91 (5/5/2021) | 0.26 (4/22/2015) | (7.91 - 0.26)/(34 - 10) | 0.31875 |
| 0.122 (9/2/2021) | 0.26 (4/22/2015) | (0.122 - 0.26)/(35 - 10) | -0.00552 |
| 0.124 (11/23/2021) | 0.26 (4/22/2015) | (0.124 - 0.26)/(36 - 10) | -0.00523077 |
| 0.185 (1/10/2022) | 0.26 (4/22/2015) | (0.185 - 0.26)/(37 - 10) | -0.00277778 |
| 0.186 (4/7/2022) | 0.26 (4/22/2015) | (0.186 - 0.26)/(38 - 10) | -0.00264286 |
| 0.175 (8/3/2022) | 0.26 (4/22/2015) | (0.175 - 0.26)/(39 - 10) | -0.00293103 |
| 0.126 (11/16/2022) | 0.26 (4/22/2015) | (0.126 - 0.26)/(40 - 10) | -0.00446667 |
| 0.273 (2/13/2023) | 0.26 (4/22/2015) | (0.273 - 0.26)/(41 - 10) | 0.000419355 |
| 0.142 (5/24/2023) | 0.26 (4/22/2015) | (0.142 - 0.26)/(42 - 10) | -0.0036875 |
| ND<0.1 U (8/7/2023) | 0.26 (4/22/2015) | (0.1 - 0.26)/(43 - 10) | -0.00484848 |
| 0.166 (12/12/2023) | 0.26 (4/22/2015) | (0.166 - 0.26)/(44 - 10) | -0.00276471 |
| 0.511 (1/10/2024) | 0.26 (4/22/2015) | (0.511 - 0.26)/(45 - 10) | 0.00717143 |
| 0.142 (5/20/2024) | 0.26 (4/22/2015) | (0.142 - 0.26)/(46 - 10) | -0.00327778 |
| ND<0.05 U (9/16/2024) | 0.26 (4/22/2015) | (0.05 - 0.26)/(47 - 10) | -0.00567568 |
| 0.248 (12/11/2024) | 0.26 (4/22/2015) | (0.248 - 0.26)/(48 - 10) | -0.000315789 |
| 0.405 (2/18/2025) | 0.26 (4/22/2015) | (0.405 - 0.26)/(49 - 10) | 0.00371795 |
| | | | |
| 0.27 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.27 - 0.1)/(12 - 11) | 0.17 |
| 0.18 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.18 - 0.1)/(13 - 11) | 0.04 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| 0.14 (8/9/2016) | ND<0.1 U (9/30/2015) | (0.14 - 0.1)/(15 - 11) | 0.01 |
| 0.2 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(16 - 11) | 0.02 |
| 0.17 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.17 - 0.1)/(17 - 11) | 0.0116667 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| 0.146 (3/27/2018) | ND<0.1 U (9/30/2015) | (0.146 - 0.1)/(21 - 11) | 0.0046 |
| 0.101 (6/26/2018) | ND<0.1 U (9/30/2015) | (0.101 - 0.1)/(22 - 11) | 9.09091e-05 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (9/30/2015) | (0.316 - 0.1)/(24 - 11) | 0.0166154 |
| 0.165 (4/17/2019) | ND<0.1 U (9/30/2015) | (0.165 - 0.1)/(25 - 11) | 0.00464286 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (9/30/2015) | (0.132 - 0.1)/(28 - 11) | 0.00188235 |
| 0.19 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.19 - 0.1)/(29 - 11) | 0.005 |
| 0.21 (6/10/2020) | ND<0.1 U (9/30/2015) | (0.21 - 0.1)/(30 - 11) | 0.00578947 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.218 - 0.1)/(32 - 11) | 0.00561905 |
| 0.145 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.145 - 0.1)/(33 - 11) | 0.00204545 |
| 7.91 (5/5/2021) | ND<0.1 U (9/30/2015) | (7.91 - 0.1)/(34 - 11) | 0.339565 |
| 0.122 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.122 - 0.1)/(35 - 11) | 0.000916667 |
| 0.124 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.124 - 0.1)/(36 - 11) | 0.00096 |
| 0.185 (1/10/2022) | ND<0.1 U (9/30/2015) | (0.185 - 0.1)/(37 - 11) | 0.00326923 |
| 0.186 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.186 - 0.1)/(38 - 11) | 0.00318519 |
| 0.175 (8/3/2022) | ND<0.1 U (9/30/2015) | (0.175 - 0.1)/(39 - 11) | 0.00267857 |
| 0.126 (11/16/2022) | ND<0.1 U (9/30/2015) | (0.126 - 0.1)/(40 - 11) | 0.000896552 |
| 0.273 (2/13/2023) | ND<0.1 U (9/30/2015) | (0.273 - 0.1)/(41 - 11) | 0.00576667 |
| 0.142 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.142 - 0.1)/(42 - 11) | 0.00135484 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.166 - 0.1)/(44 - 11) | 0.002 |
| 0.511 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.511 - 0.1)/(45 - 11) | 0.0120882 |
| 0.142 (5/20/2024) | ND<0.1 U (9/30/2015) | (0.142 - 0.1)/(46 - 11) | 0.0012 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.248 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.248 - 0.1)/(48 - 11) | 0.004 |
| 0.405 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.405 - 0.1)/(49 - 11) | 0.00802632 |

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|---|---|---|---|
| 0.18 (3/15/2016) | 0.27 (11/19/2015) | (0.18 - 0.27)/(13 - 12) | -0.09 |
| ND<0.1 U (6/29/2016) | 0.27 (11/19/2015) | (0.1 - 0.27)/(14 - 12) | -0.085 |
| 0.14 (8/9/2016) | 0.27 (11/19/2015) | (0.14 - 0.27)/(15 - 12) | -0.0433333 |
| 0.2 (12/7/2016) | 0.27 (11/19/2015) | (0.2 - 0.27)/(16 - 12) | -0.0175 |
| 0.17 (3/2/2017) | 0.27 (11/19/2015) | (0.17 - 0.27)/(17 - 12) | -0.02 |
| ND<0.1 U (6/21/2017) | 0.27 (11/19/2015) | (0.1 - 0.27)/(18 - 12) | -0.0283333 |
| ND<0.1 U (8/17/2017) | 0.27 (11/19/2015) | (0.1 - 0.27)/(19 - 12) | -0.0242857 |
| ND<0.1 U (10/26/2017) | 0.27 (11/19/2015) | (0.1 - 0.27)/(20 - 12) | -0.02125 |
| 0.146 (3/27/2018) | 0.27 (11/19/2015) | (0.146 - 0.27)/(21 - 12) | -0.0137778 |
| 0.101 (6/26/2018) | 0.27 (11/19/2015) | (0.101 - 0.27)/(22 - 12) | -0.0169 |
| ND<0.1 U (8/1/2018) | 0.27 (11/19/2015) | (0.1 - 0.27)/(23 - 12) | -0.0154545 |
| 0.316 (12/11/2018) | 0.27 (11/19/2015) | (0.316 - 0.27)/(24 - 12) | 0.00383333 |
| 0.165 (4/17/2019) | 0.27 (11/19/2015) | (0.165 - 0.27)/(25 - 12) | -0.00807692 |
| ND<0.1 U (6/11/2019) | 0.27 (11/19/2015) | (0.1 - 0.27)/(26 - 12) | -0.0121429 |
| ND<0.1 U (8/28/2019) | 0.27 (11/19/2015) | (0.1 - 0.27)/(27 - 12) | -0.0113333 |
| 0.132 (10/28/2019) | 0.27 (11/19/2015) | (0.132 - 0.27)/(28 - 12) | -0.008625 |
| 0.19 (3/31/2020) | 0.27 (11/19/2015) | (0.19 - 0.27)/(29 - 12) | -0.00470588 |
| 0.21 (6/10/2020) | 0.27 (11/19/2015) | (0.21 - 0.27)/(30 - 12) | -0.00333333 |
| ND<0.1 U (9/21/2020) | 0.27 (11/19/2015) | (0.1 - 0.27)/(31 - 12) | -0.00894737 |
| 0.218 (12/17/2020) | 0.27 (11/19/2015) | (0.218 - 0.27)/(32 - 12) | -0.0026 |

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|---|---|---|---|
| 0.145 (3/18/2021) | 0.27 (11/19/2015) | (0.145 - 0.27)/(33 - 12) | -0.00595238 |
| 7.91 (5/5/2021) | 0.27 (11/19/2015) | (7.91 - 0.27)/(34 - 12) | 0.347273 |
| 0.122 (9/2/2021) | 0.27 (11/19/2015) | (0.122 - 0.27)/(35 - 12) | -0.00643478 |
| 0.124 (11/23/2021) | 0.27 (11/19/2015) | (0.124 - 0.27)/(36 - 12) | -0.00608333 |
| 0.185 (1/10/2022) | 0.27 (11/19/2015) | (0.185 - 0.27)/(37 - 12) | -0.0034 |
| 0.186 (4/7/2022) | 0.27 (11/19/2015) | (0.186 - 0.27)/(38 - 12) | -0.00323077 |
| 0.175 (8/3/2022) | 0.27 (11/19/2015) | (0.175 - 0.27)/(39 - 12) | -0.00351852 |
| 0.126 (11/16/2022) | 0.27 (11/19/2015) | (0.126 - 0.27)/(40 - 12) | -0.00514286 |
| 0.273 (2/13/2023) | 0.27 (11/19/2015) | (0.273 - 0.27)/(41 - 12) | 0.000103448 |
| 0.142 (5/24/2023) | 0.27 (11/19/2015) | (0.142 - 0.27)/(42 - 12) | -0.00426667 |
| ND<0.1 U (8/7/2023) | 0.27 (11/19/2015) | (0.1 - 0.27)/(43 - 12) | -0.00548387 |
| 0.166 (12/12/2023) | 0.27 (11/19/2015) | (0.166 - 0.27)/(44 - 12) | -0.00325 |
| 0.511 (1/10/2024) | 0.27 (11/19/2015) | (0.511 - 0.27)/(45 - 12) | 0.00730303 |
| 0.142 (5/20/2024) | 0.27 (11/19/2015) | (0.142 - 0.27)/(46 - 12) | -0.00376471 |
| ND<0.05 U (9/16/2024) | 0.27 (11/19/2015) | (0.05 - 0.27)/(47 - 12) | -0.00628571 |
| 0.248 (12/11/2024) | 0.27 (11/19/2015) | (0.248 - 0.27)/(48 - 12) | -0.000611111 |
| 0.405 (2/18/2025) | 0.27 (11/19/2015) | (0.405 - 0.27)/(49 - 12) | 0.00364865 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.18 (3/15/2016) | (0.1 - 0.18)/(14 - 13) | -0.08 |
| 0.14 (8/9/2016) | 0.18 (3/15/2016) | (0.14 - 0.18)/(15 - 13) | -0.02 |
| 0.2 (12/7/2016) | 0.18 (3/15/2016) | (0.2 - 0.18)/(16 - 13) | 0.00666667 |
| 0.17 (3/2/2017) | 0.18 (3/15/2016) | (0.17 - 0.18)/(17 - 13) | -0.0025 |
| ND<0.1 U (6/21/2017) | 0.18 (3/15/2016) | (0.1 - 0.18)/(18 - 13) | -0.016 |
| ND<0.1 U (8/17/2017) | 0.18 (3/15/2016) | (0.1 - 0.18)/(19 - 13) | -0.0133333 |
| ND<0.1 U (10/26/2017) | 0.18 (3/15/2016) | (0.1 - 0.18)/(20 - 13) | -0.0114286 |
| 0.146 (3/27/2018) | 0.18 (3/15/2016) | (0.146 - 0.18)/(21 - 13) | -0.00425 |
| 0.101 (6/26/2018) | 0.18 (3/15/2016) | (0.101 - 0.18)/(22 - 13) | -0.00877778 |
| ND<0.1 U (8/1/2018) | 0.18 (3/15/2016) | (0.1 - 0.18)/(23 - 13) | -0.008 |
| 0.316 (12/11/2018) | 0.18 (3/15/2016) | (0.316 - 0.18)/(24 - 13) | 0.0123636 |
| 0.165 (4/17/2019) | 0.18 (3/15/2016) | (0.165 - 0.18)/(25 - 13) | -0.00125 |
| ND<0.1 U (6/11/2019) | 0.18 (3/15/2016) | (0.1 - 0.18)/(26 - 13) | -0.00615385 |
| ND<0.1 U (8/28/2019) | 0.18 (3/15/2016) | (0.1 - 0.18)/(27 - 13) | -0.00571429 |
| 0.132 (10/28/2019) | 0.18 (3/15/2016) | (0.132 - 0.18)/(28 - 13) | -0.0032 |
| 0.19 (3/31/2020) | 0.18 (3/15/2016) | (0.19 - 0.18)/(29 - 13) | 0.000625 |
| 0.21 (6/10/2020) | 0.18 (3/15/2016) | (0.21 - 0.18)/(30 - 13) | 0.00176471 |
| ND<0.1 U (9/21/2020) | 0.18 (3/15/2016) | (0.1 - 0.18)/(31 - 13) | -0.00444444 |
| 0.218 (12/17/2020) | 0.18 (3/15/2016) | (0.218 - 0.18)/(32 - 13) | 0.002 |
| 0.145 (3/18/2021) | 0.18 (3/15/2016) | (0.145 - 0.18)/(33 - 13) | -0.00175 |
| 7.91 (5/5/2021) | 0.18 (3/15/2016) | (7.91 - 0.18)/(34 - 13) | 0.368095 |
| 0.122 (9/2/2021) | 0.18 (3/15/2016) | (0.122 - 0.18)/(35 - 13) | -0.00263636 |
| 0.124 (11/23/2021) | 0.18 (3/15/2016) | (0.124 - 0.18)/(36 - 13) | -0.00243478 |
| 0.185 (1/10/2022) | 0.18 (3/15/2016) | (0.185 - 0.18)/(37 - 13) | 0.000208333 |
| 0.186 (4/7/2022) | 0.18 (3/15/2016) | (0.186 - 0.18)/(38 - 13) | 0.00024 |
| 0.175 (8/3/2022) | 0.18 (3/15/2016) | (0.175 - 0.18)/(39 - 13) | -0.000192308 |
| 0.126 (11/16/2022) | 0.18 (3/15/2016) | (0.126 - 0.18)/(40 - 13) | -0.002 |
| 0.273 (2/13/2023) | 0.18 (3/15/2016) | (0.273 - 0.18)/(41 - 13) | 0.00332143 |
| 0.142 (5/24/2023) | 0.18 (3/15/2016) | (0.142 - 0.18)/(42 - 13) | -0.00131034 |
| ND<0.1 U (8/7/2023) | 0.18 (3/15/2016) | (0.1 - 0.18)/(43 - 13) | -0.00266667 |
| 0.166 (12/12/2023) | 0.18 (3/15/2016) | (0.166 - 0.18)/(44 - 13) | -0.000451613 |
| 0.511 (1/10/2024) | 0.18 (3/15/2016) | (0.511 - 0.18)/(45 - 13) | 0.0103438 |
| 0.142 (5/20/2024) | 0.18 (3/15/2016) | (0.142 - 0.18)/(46 - 13) | -0.00115152 |
| ND<0.05 U (9/16/2024) | 0.18 (3/15/2016) | (0.05 - 0.18)/(47 - 13) | -0.00382353 |
| 0.248 (12/11/2024) | 0.18 (3/15/2016) | (0.248 - 0.18)/(48 - 13) | 0.00194286 |
| 0.405 (2/18/2025) | 0.18 (3/15/2016) | (0.405 - 0.18)/(49 - 13) | 0.00625 |
| | | | |
| 0.14 (8/9/2016) | ND<0.1 U (6/29/2016) | (0.14 - 0.1)/(15 - 14) | 0.04 |
| 0.2 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(16 - 14) | 0.05 |

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|---|---|---|---|
| 0.17 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.17 - 0.1)/(17 - 14) | 0.0233333 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| 0.146 (3/27/2018) | ND<0.1 U (6/29/2016) | (0.146 - 0.1)/(21 - 14) | 0.00657143 |
| 0.101 (6/26/2018) | ND<0.1 U (6/29/2016) | (0.101 - 0.1)/(22 - 14) | 0.000125 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (6/29/2016) | (0.316 - 0.1)/(24 - 14) | 0.0216 |
| 0.165 (4/17/2019) | ND<0.1 U (6/29/2016) | (0.165 - 0.1)/(25 - 14) | 0.00590909 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (6/29/2016) | (0.132 - 0.1)/(28 - 14) | 0.00228571 |
| 0.19 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.19 - 0.1)/(29 - 14) | 0.006 |
| 0.21 (6/10/2020) | ND<0.1 U (6/29/2016) | (0.21 - 0.1)/(30 - 14) | 0.006875 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.218 - 0.1)/(32 - 14) | 0.00655556 |
| 0.145 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.145 - 0.1)/(33 - 14) | 0.00236842 |
| 7.91 (5/5/2021) | ND<0.1 U (6/29/2016) | (7.91 - 0.1)/(34 - 14) | 0.3905 |
| 0.122 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.122 - 0.1)/(35 - 14) | 0.00104762 |
| 0.124 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.124 - 0.1)/(36 - 14) | 0.00109091 |
| 0.185 (1/10/2022) | ND<0.1 U (6/29/2016) | (0.185 - 0.1)/(37 - 14) | 0.00369565 |
| 0.186 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.186 - 0.1)/(38 - 14) | 0.00358333 |
| 0.175 (8/3/2022) | ND<0.1 U (6/29/2016) | (0.175 - 0.1)/(39 - 14) | 0.003 |
| 0.126 (11/16/2022) | ND<0.1 U (6/29/2016) | (0.126 - 0.1)/(40 - 14) | 0.001 |
| 0.273 (2/13/2023) | ND<0.1 U (6/29/2016) | (0.273 - 0.1)/(41 - 14) | 0.00640741 |
| 0.142 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.142 - 0.1)/(42 - 14) | 0.0015 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.166 - 0.1)/(44 - 14) | 0.0022 |
| 0.511 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.511 - 0.1)/(45 - 14) | 0.0132581 |
| 0.142 (5/20/2024) | ND<0.1 U (6/29/2016) | (0.142 - 0.1)/(46 - 14) | 0.0013125 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.248 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.248 - 0.1)/(48 - 14) | 0.00435294 |
| 0.405 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.405 - 0.1)/(49 - 14) | 0.00871429 |

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|---|---|---|---|
| 0.2 (12/7/2016) | 0.14 (8/9/2016) | (0.2 - 0.14)/(16 - 15) | 0.06 |
| 0.17 (3/2/2017) | 0.14 (8/9/2016) | (0.17 - 0.14)/(17 - 15) | 0.015 |
| ND<0.1 U (6/21/2017) | 0.14 (8/9/2016) | (0.1 - 0.14)/(18 - 15) | -0.0133333 |
| ND<0.1 U (8/17/2017) | 0.14 (8/9/2016) | (0.1 - 0.14)/(19 - 15) | -0.01 |
| ND<0.1 U (10/26/2017) | 0.14 (8/9/2016) | (0.1 - 0.14)/(20 - 15) | -0.008 |
| 0.146 (3/27/2018) | 0.14 (8/9/2016) | (0.146 - 0.14)/(21 - 15) | 0.001 |
| 0.101 (6/26/2018) | 0.14 (8/9/2016) | (0.101 - 0.14)/(22 - 15) | -0.00557143 |
| ND<0.1 U (8/1/2018) | 0.14 (8/9/2016) | (0.1 - 0.14)/(23 - 15) | -0.005 |
| 0.316 (12/11/2018) | 0.14 (8/9/2016) | (0.316 - 0.14)/(24 - 15) | 0.0195556 |
| 0.165 (4/17/2019) | 0.14 (8/9/2016) | (0.165 - 0.14)/(25 - 15) | 0.0025 |
| ND<0.1 U (6/11/2019) | 0.14 (8/9/2016) | (0.1 - 0.14)/(26 - 15) | -0.00363636 |
| ND<0.1 U (8/28/2019) | 0.14 (8/9/2016) | (0.1 - 0.14)/(27 - 15) | -0.00333333 |
| 0.132 (10/28/2019) | 0.14 (8/9/2016) | (0.132 - 0.14)/(28 - 15) | -0.000615385 |
| 0.19 (3/31/2020) | 0.14 (8/9/2016) | (0.19 - 0.14)/(29 - 15) | 0.00357143 |
| 0.21 (6/10/2020) | 0.14 (8/9/2016) | (0.21 - 0.14)/(30 - 15) | 0.00466667 |
| ND<0.1 U (9/21/2020) | 0.14 (8/9/2016) | (0.1 - 0.14)/(31 - 15) | -0.0025 |
| 0.218 (12/17/2020) | 0.14 (8/9/2016) | (0.218 - 0.14)/(32 - 15) | 0.00458824 |
| 0.145 (3/18/2021) | 0.14 (8/9/2016) | (0.145 - 0.14)/(33 - 15) | 0.000277778 |
| 7.91 (5/5/2021) | 0.14 (8/9/2016) | (7.91 - 0.14)/(34 - 15) | 0.408947 |
| 0.122 (9/2/2021) | 0.14 (8/9/2016) | (0.122 - 0.14)/(35 - 15) | -0.0009 |
| 0.124 (11/23/2021) | 0.14 (8/9/2016) | (0.124 - 0.14)/(36 - 15) | -0.000761905 |
| 0.185 (1/10/2022) | 0.14 (8/9/2016) | (0.185 - 0.14)/(37 - 15) | 0.00204545 |
| 0.186 (4/7/2022) | 0.14 (8/9/2016) | (0.186 - 0.14)/(38 - 15) | 0.002 |

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|---|---|---|---|
| 0.175 (8/3/2022) | 0.14 (8/9/2016) | (0.175 - 0.14)/(39 - 15) | 0.00145833 |
| 0.126 (11/16/2022) | 0.14 (8/9/2016) | (0.126 - 0.14)/(40 - 15) | -0.00056 |
| 0.273 (2/13/2023) | 0.14 (8/9/2016) | (0.273 - 0.14)/(41 - 15) | 0.00511538 |
| 0.142 (5/24/2023) | 0.14 (8/9/2016) | (0.142 - 0.14)/(42 - 15) | 7.40741e-05 |
| ND<0.1 U (8/7/2023) | 0.14 (8/9/2016) | (0.1 - 0.14)/(43 - 15) | -0.00142857 |
| 0.166 (12/12/2023) | 0.14 (8/9/2016) | (0.166 - 0.14)/(44 - 15) | 0.000896552 |
| 0.511 (1/10/2024) | 0.14 (8/9/2016) | (0.511 - 0.14)/(45 - 15) | 0.0123667 |
| 0.142 (5/20/2024) | 0.14 (8/9/2016) | (0.142 - 0.14)/(46 - 15) | 6.45161e-05 |
| ND<0.05 U (9/16/2024) | 0.14 (8/9/2016) | (0.05 - 0.14)/(47 - 15) | -0.0028125 |
| 0.248 (12/11/2024) | 0.14 (8/9/2016) | (0.248 - 0.14)/(48 - 15) | 0.00327273 |
| 0.405 (2/18/2025) | 0.14 (8/9/2016) | (0.405 - 0.14)/(49 - 15) | 0.00779412 |
| | | | |
| 0.17 (3/2/2017) | 0.2 (12/7/2016) | (0.17 - 0.2)/(17 - 16) | -0.03 |
| ND<0.1 U (6/21/2017) | 0.2 (12/7/2016) | (0.1 - 0.2)/(18 - 16) | -0.05 |
| ND<0.1 U (8/17/2017) | 0.2 (12/7/2016) | (0.1 - 0.2)/(19 - 16) | -0.0333333 |
| ND<0.1 U (10/26/2017) | 0.2 (12/7/2016) | (0.1 - 0.2)/(20 - 16) | -0.025 |
| 0.146 (3/27/2018) | 0.2 (12/7/2016) | (0.146 - 0.2)/(21 - 16) | -0.0108 |
| 0.101 (6/26/2018) | 0.2 (12/7/2016) | (0.101 - 0.2)/(22 - 16) | -0.0165 |
| ND<0.1 U (8/1/2018) | 0.2 (12/7/2016) | (0.1 - 0.2)/(23 - 16) | -0.0142857 |
| 0.316 (12/11/2018) | 0.2 (12/7/2016) | (0.316 - 0.2)/(24 - 16) | 0.0145 |
| 0.165 (4/17/2019) | 0.2 (12/7/2016) | (0.165 - 0.2)/(25 - 16) | -0.00388889 |
| ND<0.1 U (6/11/2019) | 0.2 (12/7/2016) | (0.1 - 0.2)/(26 - 16) | -0.01 |
| ND<0.1 U (8/28/2019) | 0.2 (12/7/2016) | (0.1 - 0.2)/(27 - 16) | -0.00909091 |
| 0.132 (10/28/2019) | 0.2 (12/7/2016) | (0.132 - 0.2)/(28 - 16) | -0.00566667 |
| 0.19 (3/31/2020) | 0.2 (12/7/2016) | (0.19 - 0.2)/(29 - 16) | -0.000769231 |
| 0.21 (6/10/2020) | 0.2 (12/7/2016) | (0.21 - 0.2)/(30 - 16) | 0.000714286 |
| ND<0.1 U (9/21/2020) | 0.2 (12/7/2016) | (0.1 - 0.2)/(31 - 16) | -0.00666667 |
| 0.218 (12/17/2020) | 0.2 (12/7/2016) | (0.218 - 0.2)/(32 - 16) | 0.001125 |
| 0.145 (3/18/2021) | 0.2 (12/7/2016) | (0.145 - 0.2)/(33 - 16) | -0.00323529 |
| 7.91 (5/5/2021) | 0.2 (12/7/2016) | (7.91 - 0.2)/(34 - 16) | 0.428333 |
| 0.122 (9/2/2021) | 0.2 (12/7/2016) | (0.122 - 0.2)/(35 - 16) | -0.00410526 |
| 0.124 (11/23/2021) | 0.2 (12/7/2016) | (0.124 - 0.2)/(36 - 16) | -0.0038 |
| 0.185 (1/10/2022) | 0.2 (12/7/2016) | (0.185 - 0.2)/(37 - 16) | -0.000714286 |
| 0.186 (4/7/2022) | 0.2 (12/7/2016) | (0.186 - 0.2)/(38 - 16) | -0.000636364 |
| 0.175 (8/3/2022) | 0.2 (12/7/2016) | (0.175 - 0.2)/(39 - 16) | -0.00108696 |
| 0.126 (11/16/2022) | 0.2 (12/7/2016) | (0.126 - 0.2)/(40 - 16) | -0.00308333 |
| 0.273 (2/13/2023) | 0.2 (12/7/2016) | (0.273 - 0.2)/(41 - 16) | 0.00292 |
| 0.142 (5/24/2023) | 0.2 (12/7/2016) | (0.142 - 0.2)/(42 - 16) | -0.00223077 |
| ND<0.1 U (8/7/2023) | 0.2 (12/7/2016) | (0.1 - 0.2)/(43 - 16) | -0.0037037 |
| 0.166 (12/12/2023) | 0.2 (12/7/2016) | (0.166 - 0.2)/(44 - 16) | -0.00121429 |
| 0.511 (1/10/2024) | 0.2 (12/7/2016) | (0.511 - 0.2)/(45 - 16) | 0.0107241 |
| 0.142 (5/20/2024) | 0.2 (12/7/2016) | (0.142 - 0.2)/(46 - 16) | -0.00193333 |
| ND<0.05 U (9/16/2024) | 0.2 (12/7/2016) | (0.05 - 0.2)/(47 - 16) | -0.00483871 |
| 0.248 (12/11/2024) | 0.2 (12/7/2016) | (0.248 - 0.2)/(48 - 16) | 0.0015 |
| 0.405 (2/18/2025) | 0.2 (12/7/2016) | (0.405 - 0.2)/(49 - 16) | 0.00621212 |
| | | | |
| ND<0.1 U (6/21/2017) | 0.17 (3/2/2017) | (0.1 - 0.17)/(18 - 17) | -0.07 |
| ND<0.1 U (8/17/2017) | 0.17 (3/2/2017) | (0.1 - 0.17)/(19 - 17) | -0.035 |
| ND<0.1 U (10/26/2017) | 0.17 (3/2/2017) | (0.1 - 0.17)/(20 - 17) | -0.0233333 |
| 0.146 (3/27/2018) | 0.17 (3/2/2017) | (0.146 - 0.17)/(21 - 17) | -0.006 |
| 0.101 (6/26/2018) | 0.17 (3/2/2017) | (0.101 - 0.17)/(22 - 17) | -0.0138 |
| ND<0.1 U (8/1/2018) | 0.17 (3/2/2017) | (0.1 - 0.17)/(23 - 17) | -0.0116667 |
| 0.316 (12/11/2018) | 0.17 (3/2/2017) | (0.316 - 0.17)/(24 - 17) | 0.0208571 |
| 0.165 (4/17/2019) | 0.17 (3/2/2017) | (0.165 - 0.17)/(25 - 17) | -0.000625 |
| ND<0.1 U (6/11/2019) | 0.17 (3/2/2017) | (0.1 - 0.17)/(26 - 17) | -0.00777778 |
| ND<0.1 U (8/28/2019) | 0.17 (3/2/2017) | (0.1 - 0.17)/(27 - 17) | -0.007 |
| 0.132 (10/28/2019) | 0.17 (3/2/2017) | (0.132 - 0.17)/(28 - 17) | -0.00345455 |

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|---|---|---|---|
| 0.19 (3/31/2020) | 0.17 (3/2/2017) | (0.19 - 0.17)/(29 - 17) | 0.00166667 |
| 0.21 (6/10/2020) | 0.17 (3/2/2017) | (0.21 - 0.17)/(30 - 17) | 0.00307692 |
| ND<0.1 U (9/21/2020) | 0.17 (3/2/2017) | (0.1 - 0.17)/(31 - 17) | -0.005 |
| 0.218 (12/17/2020) | 0.17 (3/2/2017) | (0.218 - 0.17)/(32 - 17) | 0.0032 |
| 0.145 (3/18/2021) | 0.17 (3/2/2017) | (0.145 - 0.17)/(33 - 17) | -0.0015625 |
| 7.91 (5/5/2021) | 0.17 (3/2/2017) | (7.91 - 0.17)/(34 - 17) | 0.455294 |
| 0.122 (9/2/2021) | 0.17 (3/2/2017) | (0.122 - 0.17)/(35 - 17) | -0.00266667 |
| 0.124 (11/23/2021) | 0.17 (3/2/2017) | (0.124 - 0.17)/(36 - 17) | -0.00242105 |
| 0.185 (1/10/2022) | 0.17 (3/2/2017) | (0.185 - 0.17)/(37 - 17) | 0.00075 |
| 0.186 (4/7/2022) | 0.17 (3/2/2017) | (0.186 - 0.17)/(38 - 17) | 0.000761905 |
| 0.175 (8/3/2022) | 0.17 (3/2/2017) | (0.175 - 0.17)/(39 - 17) | 0.000227273 |
| 0.126 (11/16/2022) | 0.17 (3/2/2017) | (0.126 - 0.17)/(40 - 17) | -0.00191304 |
| 0.273 (2/13/2023) | 0.17 (3/2/2017) | (0.273 - 0.17)/(41 - 17) | 0.00429167 |
| 0.142 (5/24/2023) | 0.17 (3/2/2017) | (0.142 - 0.17)/(42 - 17) | -0.00112 |
| ND<0.1 U (8/7/2023) | 0.17 (3/2/2017) | (0.1 - 0.17)/(43 - 17) | -0.00269231 |
| 0.166 (12/12/2023) | 0.17 (3/2/2017) | (0.166 - 0.17)/(44 - 17) | -0.000148148 |
| 0.511 (1/10/2024) | 0.17 (3/2/2017) | (0.511 - 0.17)/(45 - 17) | 0.0121786 |
| 0.142 (5/20/2024) | 0.17 (3/2/2017) | (0.142 - 0.17)/(46 - 17) | -0.000965517 |
| ND<0.05 U (9/16/2024) | 0.17 (3/2/2017) | (0.05 - 0.17)/(47 - 17) | -0.004 |
| 0.248 (12/11/2024) | 0.17 (3/2/2017) | (0.248 - 0.17)/(48 - 17) | 0.00251613 |
| 0.405 (2/18/2025) | 0.17 (3/2/2017) | (0.405 - 0.17)/(49 - 17) | 0.00734375 |

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|---|---|---|---|
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| 0.146 (3/27/2018) | ND<0.1 U (6/21/2017) | (0.146 - 0.1)/(21 - 18) | 0.0153333 |
| 0.101 (6/26/2018) | ND<0.1 U (6/21/2017) | (0.101 - 0.1)/(22 - 18) | 0.00025 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (6/21/2017) | (0.316 - 0.1)/(24 - 18) | 0.036 |
| 0.165 (4/17/2019) | ND<0.1 U (6/21/2017) | (0.165 - 0.1)/(25 - 18) | 0.00928571 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (6/21/2017) | (0.132 - 0.1)/(28 - 18) | 0.0032 |
| 0.19 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.19 - 0.1)/(29 - 18) | 0.00818182 |
| 0.21 (6/10/2020) | ND<0.1 U (6/21/2017) | (0.21 - 0.1)/(30 - 18) | 0.00916667 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (6/21/2017) | (0.218 - 0.1)/(32 - 18) | 0.00842857 |
| 0.145 (3/18/2021) | ND<0.1 U (6/21/2017) | (0.145 - 0.1)/(33 - 18) | 0.003 |
| 7.91 (5/5/2021) | ND<0.1 U (6/21/2017) | (7.91 - 0.1)/(34 - 18) | 0.488125 |
| 0.122 (9/2/2021) | ND<0.1 U (6/21/2017) | (0.122 - 0.1)/(35 - 18) | 0.00129412 |
| 0.124 (11/23/2021) | ND<0.1 U (6/21/2017) | (0.124 - 0.1)/(36 - 18) | 0.00133333 |
| 0.185 (1/10/2022) | ND<0.1 U (6/21/2017) | (0.185 - 0.1)/(37 - 18) | 0.00447368 |
| 0.186 (4/7/2022) | ND<0.1 U (6/21/2017) | (0.186 - 0.1)/(38 - 18) | 0.0043 |
| 0.175 (8/3/2022) | ND<0.1 U (6/21/2017) | (0.175 - 0.1)/(39 - 18) | 0.00357143 |
| 0.126 (11/16/2022) | ND<0.1 U (6/21/2017) | (0.126 - 0.1)/(40 - 18) | 0.00118182 |
| 0.273 (2/13/2023) | ND<0.1 U (6/21/2017) | (0.273 - 0.1)/(41 - 18) | 0.00752174 |
| 0.142 (5/24/2023) | ND<0.1 U (6/21/2017) | (0.142 - 0.1)/(42 - 18) | 0.00175 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(43 - 18) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (6/21/2017) | (0.166 - 0.1)/(44 - 18) | 0.00253846 |
| 0.511 (1/10/2024) | ND<0.1 U (6/21/2017) | (0.511 - 0.1)/(45 - 18) | 0.0152222 |
| 0.142 (5/20/2024) | ND<0.1 U (6/21/2017) | (0.142 - 0.1)/(46 - 18) | 0.0015 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/21/2017) | (0.05 - 0.1)/(47 - 18) | -0.00172414 |
| 0.248 (12/11/2024) | ND<0.1 U (6/21/2017) | (0.248 - 0.1)/(48 - 18) | 0.00493333 |
| 0.405 (2/18/2025) | ND<0.1 U (6/21/2017) | (0.405 - 0.1)/(49 - 18) | 0.00983871 |

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|---|---|---|---|
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| 0.146 (3/27/2018) | ND<0.1 U (8/17/2017) | (0.146 - 0.1)/(21 - 19) | 0.023 |
| 0.101 (6/26/2018) | ND<0.1 U (8/17/2017) | (0.101 - 0.1)/(22 - 19) | 0.000333333 |

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|---|---|---|---|
| ND<0.1 U (8/1/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (8/17/2017) | (0.316 - 0.1)/(24 - 19) | 0.0432 |
| 0.165 (4/17/2019) | ND<0.1 U (8/17/2017) | (0.165 - 0.1)/(25 - 19) | 0.0108333 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (8/17/2017) | (0.132 - 0.1)/(28 - 19) | 0.00355556 |
| 0.19 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.19 - 0.1)/(29 - 19) | 0.009 |
| 0.21 (6/10/2020) | ND<0.1 U (8/17/2017) | (0.21 - 0.1)/(30 - 19) | 0.01 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (8/17/2017) | (0.218 - 0.1)/(32 - 19) | 0.00907692 |
| 0.145 (3/18/2021) | ND<0.1 U (8/17/2017) | (0.145 - 0.1)/(33 - 19) | 0.00321429 |
| 7.91 (5/5/2021) | ND<0.1 U (8/17/2017) | (7.91 - 0.1)/(34 - 19) | 0.520667 |
| 0.122 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.122 - 0.1)/(35 - 19) | 0.001375 |
| 0.124 (11/23/2021) | ND<0.1 U (8/17/2017) | (0.124 - 0.1)/(36 - 19) | 0.00141176 |
| 0.185 (1/10/2022) | ND<0.1 U (8/17/2017) | (0.185 - 0.1)/(37 - 19) | 0.00472222 |
| 0.186 (4/7/2022) | ND<0.1 U (8/17/2017) | (0.186 - 0.1)/(38 - 19) | 0.00452632 |
| 0.175 (8/3/2022) | ND<0.1 U (8/17/2017) | (0.175 - 0.1)/(39 - 19) | 0.00375 |
| 0.126 (11/16/2022) | ND<0.1 U (8/17/2017) | (0.126 - 0.1)/(40 - 19) | 0.0012381 |
| 0.273 (2/13/2023) | ND<0.1 U (8/17/2017) | (0.273 - 0.1)/(41 - 19) | 0.00786364 |
| 0.142 (5/24/2023) | ND<0.1 U (8/17/2017) | (0.142 - 0.1)/(42 - 19) | 0.00182609 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(43 - 19) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (8/17/2017) | (0.166 - 0.1)/(44 - 19) | 0.00264 |
| 0.511 (1/10/2024) | ND<0.1 U (8/17/2017) | (0.511 - 0.1)/(45 - 19) | 0.0158077 |
| 0.142 (5/20/2024) | ND<0.1 U (8/17/2017) | (0.142 - 0.1)/(46 - 19) | 0.00155556 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/17/2017) | (0.05 - 0.1)/(47 - 19) | -0.00178571 |
| 0.248 (12/11/2024) | ND<0.1 U (8/17/2017) | (0.248 - 0.1)/(48 - 19) | 0.00510345 |
| 0.405 (2/18/2025) | ND<0.1 U (8/17/2017) | (0.405 - 0.1)/(49 - 19) | 0.0101667 |
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| 0.146 (3/27/2018) | ND<0.1 U (10/26/2017) | (0.146 - 0.1)/(21 - 20) | 0.046 |
| 0.101 (6/26/2018) | ND<0.1 U (10/26/2017) | (0.101 - 0.1)/(22 - 20) | 0.0005 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| 0.316 (12/11/2018) | ND<0.1 U (10/26/2017) | (0.316 - 0.1)/(24 - 20) | 0.054 |
| 0.165 (4/17/2019) | ND<0.1 U (10/26/2017) | (0.165 - 0.1)/(25 - 20) | 0.013 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (10/26/2017) | (0.132 - 0.1)/(28 - 20) | 0.004 |
| 0.19 (3/31/2020) | ND<0.1 U (10/26/2017) | (0.19 - 0.1)/(29 - 20) | 0.01 |
| 0.21 (6/10/2020) | ND<0.1 U (10/26/2017) | (0.21 - 0.1)/(30 - 20) | 0.011 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (10/26/2017) | (0.218 - 0.1)/(32 - 20) | 0.00983333 |
| 0.145 (3/18/2021) | ND<0.1 U (10/26/2017) | (0.145 - 0.1)/(33 - 20) | 0.00346154 |
| 7.91 (5/5/2021) | ND<0.1 U (10/26/2017) | (7.91 - 0.1)/(34 - 20) | 0.557857 |
| 0.122 (9/2/2021) | ND<0.1 U (10/26/2017) | (0.122 - 0.1)/(35 - 20) | 0.00146667 |
| 0.124 (11/23/2021) | ND<0.1 U (10/26/2017) | (0.124 - 0.1)/(36 - 20) | 0.0015 |
| 0.185 (1/10/2022) | ND<0.1 U (10/26/2017) | (0.185 - 0.1)/(37 - 20) | 0.005 |
| 0.186 (4/7/2022) | ND<0.1 U (10/26/2017) | (0.186 - 0.1)/(38 - 20) | 0.00477778 |
| 0.175 (8/3/2022) | ND<0.1 U (10/26/2017) | (0.175 - 0.1)/(39 - 20) | 0.00394737 |
| 0.126 (11/16/2022) | ND<0.1 U (10/26/2017) | (0.126 - 0.1)/(40 - 20) | 0.0013 |
| 0.273 (2/13/2023) | ND<0.1 U (10/26/2017) | (0.273 - 0.1)/(41 - 20) | 0.0082381 |
| 0.142 (5/24/2023) | ND<0.1 U (10/26/2017) | (0.142 - 0.1)/(42 - 20) | 0.00190909 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(43 - 20) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (10/26/2017) | (0.166 - 0.1)/(44 - 20) | 0.00275 |
| 0.511 (1/10/2024) | ND<0.1 U (10/26/2017) | (0.511 - 0.1)/(45 - 20) | 0.01644 |
| 0.142 (5/20/2024) | ND<0.1 U (10/26/2017) | (0.142 - 0.1)/(46 - 20) | 0.00161538 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/26/2017) | (0.05 - 0.1)/(47 - 20) | -0.00185185 |
| 0.248 (12/11/2024) | ND<0.1 U (10/26/2017) | (0.248 - 0.1)/(48 - 20) | 0.00528571 |
| 0.405 (2/18/2025) | ND<0.1 U (10/26/2017) | (0.405 - 0.1)/(49 - 20) | 0.0105172 |

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|---|---|---|---|
| 0.101 (6/26/2018) | 0.146 (3/27/2018) | (0.101 - 0.146)/(22 - 21) | -0.045 |
| ND<0.1 U (8/1/2018) | 0.146 (3/27/2018) | (0.1 - 0.146)/(23 - 21) | -0.023 |
| 0.316 (12/11/2018) | 0.146 (3/27/2018) | (0.316 - 0.146)/(24 - 21) | 0.0566667 |
| 0.165 (4/17/2019) | 0.146 (3/27/2018) | (0.165 - 0.146)/(25 - 21) | 0.00475 |
| ND<0.1 U (6/11/2019) | 0.146 (3/27/2018) | (0.1 - 0.146)/(26 - 21) | -0.0092 |
| ND<0.1 U (8/28/2019) | 0.146 (3/27/2018) | (0.1 - 0.146)/(27 - 21) | -0.00766667 |
| 0.132 (10/28/2019) | 0.146 (3/27/2018) | (0.132 - 0.146)/(28 - 21) | -0.002 |
| 0.19 (3/31/2020) | 0.146 (3/27/2018) | (0.19 - 0.146)/(29 - 21) | 0.0055 |
| 0.21 (6/10/2020) | 0.146 (3/27/2018) | (0.21 - 0.146)/(30 - 21) | 0.00711111 |
| ND<0.1 U (9/21/2020) | 0.146 (3/27/2018) | (0.1 - 0.146)/(31 - 21) | -0.0046 |
| 0.218 (12/17/2020) | 0.146 (3/27/2018) | (0.218 - 0.146)/(32 - 21) | 0.00654545 |
| 0.145 (3/18/2021) | 0.146 (3/27/2018) | (0.145 - 0.146)/(33 - 21) | -8.33333e-05 |
| 7.91 (5/5/2021) | 0.146 (3/27/2018) | (7.91 - 0.146)/(34 - 21) | 0.597231 |
| 0.122 (9/2/2021) | 0.146 (3/27/2018) | (0.122 - 0.146)/(35 - 21) | -0.00171429 |
| 0.124 (11/23/2021) | 0.146 (3/27/2018) | (0.124 - 0.146)/(36 - 21) | -0.00146667 |
| 0.185 (1/10/2022) | 0.146 (3/27/2018) | (0.185 - 0.146)/(37 - 21) | 0.0024375 |
| 0.186 (4/7/2022) | 0.146 (3/27/2018) | (0.186 - 0.146)/(38 - 21) | 0.00235294 |
| 0.175 (8/3/2022) | 0.146 (3/27/2018) | (0.175 - 0.146)/(39 - 21) | 0.00161111 |
| 0.126 (11/16/2022) | 0.146 (3/27/2018) | (0.126 - 0.146)/(40 - 21) | -0.00105263 |
| 0.273 (2/13/2023) | 0.146 (3/27/2018) | (0.273 - 0.146)/(41 - 21) | 0.00635 |
| 0.142 (5/24/2023) | 0.146 (3/27/2018) | (0.142 - 0.146)/(42 - 21) | -0.000190476 |
| ND<0.1 U (8/7/2023) | 0.146 (3/27/2018) | (0.1 - 0.146)/(43 - 21) | -0.00209091 |
| 0.166 (12/12/2023) | 0.146 (3/27/2018) | (0.166 - 0.146)/(44 - 21) | 0.000869565 |
| 0.511 (1/10/2024) | 0.146 (3/27/2018) | (0.511 - 0.146)/(45 - 21) | 0.0152083 |
| 0.142 (5/20/2024) | 0.146 (3/27/2018) | (0.142 - 0.146)/(46 - 21) | -0.00016 |
| ND<0.05 U (9/16/2024) | 0.146 (3/27/2018) | (0.05 - 0.146)/(47 - 21) | -0.00369231 |
| 0.248 (12/11/2024) | 0.146 (3/27/2018) | (0.248 - 0.146)/(48 - 21) | 0.00377778 |
| 0.405 (2/18/2025) | 0.146 (3/27/2018) | (0.405 - 0.146)/(49 - 21) | 0.00925 |

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|---|---|---|---|
| ND<0.1 U (8/1/2018) | 0.101 (6/26/2018) | (0.1 - 0.101)/(23 - 22) | -0.001 |
| 0.316 (12/11/2018) | 0.101 (6/26/2018) | (0.316 - 0.101)/(24 - 22) | 0.1075 |
| 0.165 (4/17/2019) | 0.101 (6/26/2018) | (0.165 - 0.101)/(25 - 22) | 0.0213333 |
| ND<0.1 U (6/11/2019) | 0.101 (6/26/2018) | (0.1 - 0.101)/(26 - 22) | -0.00025 |
| ND<0.1 U (8/28/2019) | 0.101 (6/26/2018) | (0.1 - 0.101)/(27 - 22) | -0.0002 |
| 0.132 (10/28/2019) | 0.101 (6/26/2018) | (0.132 - 0.101)/(28 - 22) | 0.00516667 |
| 0.19 (3/31/2020) | 0.101 (6/26/2018) | (0.19 - 0.101)/(29 - 22) | 0.0127143 |
| 0.21 (6/10/2020) | 0.101 (6/26/2018) | (0.21 - 0.101)/(30 - 22) | 0.013625 |
| ND<0.1 U (9/21/2020) | 0.101 (6/26/2018) | (0.1 - 0.101)/(31 - 22) | -0.000111111 |
| 0.218 (12/17/2020) | 0.101 (6/26/2018) | (0.218 - 0.101)/(32 - 22) | 0.0117 |
| 0.145 (3/18/2021) | 0.101 (6/26/2018) | (0.145 - 0.101)/(33 - 22) | 0.004 |
| 7.91 (5/5/2021) | 0.101 (6/26/2018) | (7.91 - 0.101)/(34 - 22) | 0.65075 |
| 0.122 (9/2/2021) | 0.101 (6/26/2018) | (0.122 - 0.101)/(35 - 22) | 0.00161538 |
| 0.124 (11/23/2021) | 0.101 (6/26/2018) | (0.124 - 0.101)/(36 - 22) | 0.00164286 |
| 0.185 (1/10/2022) | 0.101 (6/26/2018) | (0.185 - 0.101)/(37 - 22) | 0.0056 |
| 0.186 (4/7/2022) | 0.101 (6/26/2018) | (0.186 - 0.101)/(38 - 22) | 0.0053125 |
| 0.175 (8/3/2022) | 0.101 (6/26/2018) | (0.175 - 0.101)/(39 - 22) | 0.00435294 |
| 0.126 (11/16/2022) | 0.101 (6/26/2018) | (0.126 - 0.101)/(40 - 22) | 0.00138889 |
| 0.273 (2/13/2023) | 0.101 (6/26/2018) | (0.273 - 0.101)/(41 - 22) | 0.00905263 |
| 0.142 (5/24/2023) | 0.101 (6/26/2018) | (0.142 - 0.101)/(42 - 22) | 0.00205 |
| ND<0.1 U (8/7/2023) | 0.101 (6/26/2018) | (0.1 - 0.101)/(43 - 22) | -4.7619e-05 |
| 0.166 (12/12/2023) | 0.101 (6/26/2018) | (0.166 - 0.101)/(44 - 22) | 0.00295455 |
| 0.511 (1/10/2024) | 0.101 (6/26/2018) | (0.511 - 0.101)/(45 - 22) | 0.0178261 |
| 0.142 (5/20/2024) | 0.101 (6/26/2018) | (0.142 - 0.101)/(46 - 22) | 0.00170833 |
| ND<0.05 U (9/16/2024) | 0.101 (6/26/2018) | (0.05 - 0.101)/(47 - 22) | -0.00204 |
| 0.248 (12/11/2024) | 0.101 (6/26/2018) | (0.248 - 0.101)/(48 - 22) | 0.00565385 |
| 0.405 (2/18/2025) | 0.101 (6/26/2018) | (0.405 - 0.101)/(49 - 22) | 0.0112593 |

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|---|---|---|---|
| 0.316 (12/11/2018) | ND<0.1 U (8/1/2018) | (0.316 - 0.1)/(24 - 23) | 0.216 |
| 0.165 (4/17/2019) | ND<0.1 U (8/1/2018) | (0.165 - 0.1)/(25 - 23) | 0.0325 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(27 - 23) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (8/1/2018) | (0.132 - 0.1)/(28 - 23) | 0.0064 |
| 0.19 (3/31/2020) | ND<0.1 U (8/1/2018) | (0.19 - 0.1)/(29 - 23) | 0.015 |
| 0.21 (6/10/2020) | ND<0.1 U (8/1/2018) | (0.21 - 0.1)/(30 - 23) | 0.0157143 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (8/1/2018) | (0.218 - 0.1)/(32 - 23) | 0.0131111 |
| 0.145 (3/18/2021) | ND<0.1 U (8/1/2018) | (0.145 - 0.1)/(33 - 23) | 0.0045 |
| 7.91 (5/5/2021) | ND<0.1 U (8/1/2018) | (7.91 - 0.1)/(34 - 23) | 0.71 |
| 0.122 (9/2/2021) | ND<0.1 U (8/1/2018) | (0.122 - 0.1)/(35 - 23) | 0.00183333 |
| 0.124 (11/23/2021) | ND<0.1 U (8/1/2018) | (0.124 - 0.1)/(36 - 23) | 0.00184615 |
| 0.185 (1/10/2022) | ND<0.1 U (8/1/2018) | (0.185 - 0.1)/(37 - 23) | 0.00607143 |
| 0.186 (4/7/2022) | ND<0.1 U (8/1/2018) | (0.186 - 0.1)/(38 - 23) | 0.00573333 |
| 0.175 (8/3/2022) | ND<0.1 U (8/1/2018) | (0.175 - 0.1)/(39 - 23) | 0.0046875 |
| 0.126 (11/16/2022) | ND<0.1 U (8/1/2018) | (0.126 - 0.1)/(40 - 23) | 0.00152941 |
| 0.273 (2/13/2023) | ND<0.1 U (8/1/2018) | (0.273 - 0.1)/(41 - 23) | 0.00961111 |
| 0.142 (5/24/2023) | ND<0.1 U (8/1/2018) | (0.142 - 0.1)/(42 - 23) | 0.00221053 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(43 - 23) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (8/1/2018) | (0.166 - 0.1)/(44 - 23) | 0.00314286 |
| 0.511 (1/10/2024) | ND<0.1 U (8/1/2018) | (0.511 - 0.1)/(45 - 23) | 0.0186818 |
| 0.142 (5/20/2024) | ND<0.1 U (8/1/2018) | (0.142 - 0.1)/(46 - 23) | 0.00182609 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/1/2018) | (0.05 - 0.1)/(47 - 23) | -0.00208333 |
| 0.248 (12/11/2024) | ND<0.1 U (8/1/2018) | (0.248 - 0.1)/(48 - 23) | 0.00592 |
| 0.405 (2/18/2025) | ND<0.1 U (8/1/2018) | (0.405 - 0.1)/(49 - 23) | 0.0117308 |
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| 0.165 (4/17/2019) | 0.316 (12/11/2018) | (0.165 - 0.316)/(25 - 24) | -0.151 |
| ND<0.1 U (6/11/2019) | 0.316 (12/11/2018) | (0.1 - 0.316)/(26 - 24) | -0.108 |
| ND<0.1 U (8/28/2019) | 0.316 (12/11/2018) | (0.1 - 0.316)/(27 - 24) | -0.072 |
| 0.132 (10/28/2019) | 0.316 (12/11/2018) | (0.132 - 0.316)/(28 - 24) | -0.046 |
| 0.19 (3/31/2020) | 0.316 (12/11/2018) | (0.19 - 0.316)/(29 - 24) | -0.0252 |
| 0.21 (6/10/2020) | 0.316 (12/11/2018) | (0.21 - 0.316)/(30 - 24) | -0.0176667 |
| ND<0.1 U (9/21/2020) | 0.316 (12/11/2018) | (0.1 - 0.316)/(31 - 24) | -0.0308571 |
| 0.218 (12/17/2020) | 0.316 (12/11/2018) | (0.218 - 0.316)/(32 - 24) | -0.01225 |
| 0.145 (3/18/2021) | 0.316 (12/11/2018) | (0.145 - 0.316)/(33 - 24) | -0.019 |
| 7.91 (5/5/2021) | 0.316 (12/11/2018) | (7.91 - 0.316)/(34 - 24) | 0.7594 |
| 0.122 (9/2/2021) | 0.316 (12/11/2018) | (0.122 - 0.316)/(35 - 24) | -0.0176364 |
| 0.124 (11/23/2021) | 0.316 (12/11/2018) | (0.124 - 0.316)/(36 - 24) | -0.016 |
| 0.185 (1/10/2022) | 0.316 (12/11/2018) | (0.185 - 0.316)/(37 - 24) | -0.0100769 |
| 0.186 (4/7/2022) | 0.316 (12/11/2018) | (0.186 - 0.316)/(38 - 24) | -0.00928571 |
| 0.175 (8/3/2022) | 0.316 (12/11/2018) | (0.175 - 0.316)/(39 - 24) | -0.0094 |
| 0.126 (11/16/2022) | 0.316 (12/11/2018) | (0.126 - 0.316)/(40 - 24) | -0.011875 |
| 0.273 (2/13/2023) | 0.316 (12/11/2018) | (0.273 - 0.316)/(41 - 24) | -0.00252941 |
| 0.142 (5/24/2023) | 0.316 (12/11/2018) | (0.142 - 0.316)/(42 - 24) | -0.00966667 |
| ND<0.1 U (8/7/2023) | 0.316 (12/11/2018) | (0.1 - 0.316)/(43 - 24) | -0.0113684 |
| 0.166 (12/12/2023) | 0.316 (12/11/2018) | (0.166 - 0.316)/(44 - 24) | -0.0075 |
| 0.511 (1/10/2024) | 0.316 (12/11/2018) | (0.511 - 0.316)/(45 - 24) | 0.00928571 |
| 0.142 (5/20/2024) | 0.316 (12/11/2018) | (0.142 - 0.316)/(46 - 24) | -0.00790909 |
| ND<0.05 U (9/16/2024) | 0.316 (12/11/2018) | (0.05 - 0.316)/(47 - 24) | -0.0115652 |
| 0.248 (12/11/2024) | 0.316 (12/11/2018) | (0.248 - 0.316)/(48 - 24) | -0.00283333 |
| 0.405 (2/18/2025) | 0.316 (12/11/2018) | (0.405 - 0.316)/(49 - 24) | 0.00356 |
| | | | |
| ND<0.1 U (6/11/2019) | 0.165 (4/17/2019) | (0.1 - 0.165)/(26 - 25) | -0.065 |
| ND<0.1 U (8/28/2019) | 0.165 (4/17/2019) | (0.1 - 0.165)/(27 - 25) | -0.0325 |
| 0.132 (10/28/2019) | 0.165 (4/17/2019) | (0.132 - 0.165)/(28 - 25) | -0.011 |

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|---|---|---|---|
| 0.19 (3/31/2020) | 0.165 (4/17/2019) | (0.19 - 0.165)/(29 - 25) | 0.00625 |
| 0.21 (6/10/2020) | 0.165 (4/17/2019) | (0.21 - 0.165)/(30 - 25) | 0.009 |
| ND<0.1 U (9/21/2020) | 0.165 (4/17/2019) | (0.1 - 0.165)/(31 - 25) | -0.0108333 |
| 0.218 (12/17/2020) | 0.165 (4/17/2019) | (0.218 - 0.165)/(32 - 25) | 0.00757143 |
| 0.145 (3/18/2021) | 0.165 (4/17/2019) | (0.145 - 0.165)/(33 - 25) | -0.0025 |
| 7.91 (5/5/2021) | 0.165 (4/17/2019) | (7.91 - 0.165)/(34 - 25) | 0.860556 |
| 0.122 (9/2/2021) | 0.165 (4/17/2019) | (0.122 - 0.165)/(35 - 25) | -0.0043 |
| 0.124 (11/23/2021) | 0.165 (4/17/2019) | (0.124 - 0.165)/(36 - 25) | -0.00372727 |
| 0.185 (1/10/2022) | 0.165 (4/17/2019) | (0.185 - 0.165)/(37 - 25) | 0.00166667 |
| 0.186 (4/7/2022) | 0.165 (4/17/2019) | (0.186 - 0.165)/(38 - 25) | 0.00161538 |
| 0.175 (8/3/2022) | 0.165 (4/17/2019) | (0.175 - 0.165)/(39 - 25) | 0.000714286 |
| 0.126 (11/16/2022) | 0.165 (4/17/2019) | (0.126 - 0.165)/(40 - 25) | -0.0026 |
| 0.273 (2/13/2023) | 0.165 (4/17/2019) | (0.273 - 0.165)/(41 - 25) | 0.00675 |
| 0.142 (5/24/2023) | 0.165 (4/17/2019) | (0.142 - 0.165)/(42 - 25) | -0.00135294 |
| ND<0.1 U (8/7/2023) | 0.165 (4/17/2019) | (0.1 - 0.165)/(43 - 25) | -0.00361111 |
| 0.166 (12/12/2023) | 0.165 (4/17/2019) | (0.166 - 0.165)/(44 - 25) | 5.26316e-05 |
| 0.511 (1/10/2024) | 0.165 (4/17/2019) | (0.511 - 0.165)/(45 - 25) | 0.0173 |
| 0.142 (5/20/2024) | 0.165 (4/17/2019) | (0.142 - 0.165)/(46 - 25) | -0.00109524 |
| ND<0.05 U (9/16/2024) | 0.165 (4/17/2019) | (0.05 - 0.165)/(47 - 25) | -0.00522727 |
| 0.248 (12/11/2024) | 0.165 (4/17/2019) | (0.248 - 0.165)/(48 - 25) | 0.0036087 |
| 0.405 (2/18/2025) | 0.165 (4/17/2019) | (0.405 - 0.165)/(49 - 25) | 0.01 |
| | | | |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| 0.132 (10/28/2019) | ND<0.1 U (6/11/2019) | (0.132 - 0.1)/(28 - 26) | 0.016 |
| 0.19 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.19 - 0.1)/(29 - 26) | 0.03 |
| 0.21 (6/10/2020) | ND<0.1 U (6/11/2019) | (0.21 - 0.1)/(30 - 26) | 0.0275 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (6/11/2019) | (0.218 - 0.1)/(32 - 26) | 0.0196667 |
| 0.145 (3/18/2021) | ND<0.1 U (6/11/2019) | (0.145 - 0.1)/(33 - 26) | 0.00642857 |
| 7.91 (5/5/2021) | ND<0.1 U (6/11/2019) | (7.91 - 0.1)/(34 - 26) | 0.97625 |
| 0.122 (9/2/2021) | ND<0.1 U (6/11/2019) | (0.122 - 0.1)/(35 - 26) | 0.00244444 |
| 0.124 (11/23/2021) | ND<0.1 U (6/11/2019) | (0.124 - 0.1)/(36 - 26) | 0.0024 |
| 0.185 (1/10/2022) | ND<0.1 U (6/11/2019) | (0.185 - 0.1)/(37 - 26) | 0.00772727 |
| 0.186 (4/7/2022) | ND<0.1 U (6/11/2019) | (0.186 - 0.1)/(38 - 26) | 0.00716667 |
| 0.175 (8/3/2022) | ND<0.1 U (6/11/2019) | (0.175 - 0.1)/(39 - 26) | 0.00576923 |
| 0.126 (11/16/2022) | ND<0.1 U (6/11/2019) | (0.126 - 0.1)/(40 - 26) | 0.00185714 |
| 0.273 (2/13/2023) | ND<0.1 U (6/11/2019) | (0.273 - 0.1)/(41 - 26) | 0.0115333 |
| 0.142 (5/24/2023) | ND<0.1 U (6/11/2019) | (0.142 - 0.1)/(42 - 26) | 0.002625 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(43 - 26) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (6/11/2019) | (0.166 - 0.1)/(44 - 26) | 0.00366667 |
| 0.511 (1/10/2024) | ND<0.1 U (6/11/2019) | (0.511 - 0.1)/(45 - 26) | 0.0216316 |
| 0.142 (5/20/2024) | ND<0.1 U (6/11/2019) | (0.142 - 0.1)/(46 - 26) | 0.0021 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/11/2019) | (0.05 - 0.1)/(47 - 26) | -0.00238095 |
| 0.248 (12/11/2024) | ND<0.1 U (6/11/2019) | (0.248 - 0.1)/(48 - 26) | 0.00672727 |
| 0.405 (2/18/2025) | ND<0.1 U (6/11/2019) | (0.405 - 0.1)/(49 - 26) | 0.0132609 |
| | | | |
| 0.132 (10/28/2019) | ND<0.1 U (8/28/2019) | (0.132 - 0.1)/(28 - 27) | 0.032 |
| 0.19 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.19 - 0.1)/(29 - 27) | 0.045 |
| 0.21 (6/10/2020) | ND<0.1 U (8/28/2019) | (0.21 - 0.1)/(30 - 27) | 0.0366667 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.218 (12/17/2020) | ND<0.1 U (8/28/2019) | (0.218 - 0.1)/(32 - 27) | 0.0236 |
| 0.145 (3/18/2021) | ND<0.1 U (8/28/2019) | (0.145 - 0.1)/(33 - 27) | 0.0075 |
| 7.91 (5/5/2021) | ND<0.1 U (8/28/2019) | (7.91 - 0.1)/(34 - 27) | 1.11571 |
| 0.122 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.122 - 0.1)/(35 - 27) | 0.00275 |
| 0.124 (11/23/2021) | ND<0.1 U (8/28/2019) | (0.124 - 0.1)/(36 - 27) | 0.00266667 |
| 0.185 (1/10/2022) | ND<0.1 U (8/28/2019) | (0.185 - 0.1)/(37 - 27) | 0.0085 |
| 0.186 (4/7/2022) | ND<0.1 U (8/28/2019) | (0.186 - 0.1)/(38 - 27) | 0.00781818 |

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|---|---|---|---|
| 0.175 (8/3/2022) | ND<0.1 U (8/28/2019) | (0.175 - 0.1)/(39 - 27) | 0.00625 |
| 0.126 (11/16/2022) | ND<0.1 U (8/28/2019) | (0.126 - 0.1)/(40 - 27) | 0.002 |
| 0.273 (2/13/2023) | ND<0.1 U (8/28/2019) | (0.273 - 0.1)/(41 - 27) | 0.0123571 |
| 0.142 (5/24/2023) | ND<0.1 U (8/28/2019) | (0.142 - 0.1)/(42 - 27) | 0.0028 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (8/28/2019) | (0.166 - 0.1)/(44 - 27) | 0.00388235 |
| 0.511 (1/10/2024) | ND<0.1 U (8/28/2019) | (0.511 - 0.1)/(45 - 27) | 0.0228333 |
| 0.142 (5/20/2024) | ND<0.1 U (8/28/2019) | (0.142 - 0.1)/(46 - 27) | 0.00221053 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/28/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.248 (12/11/2024) | ND<0.1 U (8/28/2019) | (0.248 - 0.1)/(48 - 27) | 0.00704762 |
| 0.405 (2/18/2025) | ND<0.1 U (8/28/2019) | (0.405 - 0.1)/(49 - 27) | 0.0138636 |
| | | | |
| 0.19 (3/31/2020) | 0.132 (10/28/2019) | (0.19 - 0.132)/(29 - 28) | 0.058 |
| 0.21 (6/10/2020) | 0.132 (10/28/2019) | (0.21 - 0.132)/(30 - 28) | 0.039 |
| ND<0.1 U (9/21/2020) | 0.132 (10/28/2019) | (0.1 - 0.132)/(31 - 28) | -0.0106667 |
| 0.218 (12/17/2020) | 0.132 (10/28/2019) | (0.218 - 0.132)/(32 - 28) | 0.0215 |
| 0.145 (3/18/2021) | 0.132 (10/28/2019) | (0.145 - 0.132)/(33 - 28) | 0.0026 |
| 7.91 (5/5/2021) | 0.132 (10/28/2019) | (7.91 - 0.132)/(34 - 28) | 1.29633 |
| 0.122 (9/2/2021) | 0.132 (10/28/2019) | (0.122 - 0.132)/(35 - 28) | -0.00142857 |
| 0.124 (11/23/2021) | 0.132 (10/28/2019) | (0.124 - 0.132)/(36 - 28) | -0.001 |
| 0.185 (1/10/2022) | 0.132 (10/28/2019) | (0.185 - 0.132)/(37 - 28) | 0.00588889 |
| 0.186 (4/7/2022) | 0.132 (10/28/2019) | (0.186 - 0.132)/(38 - 28) | 0.0054 |
| 0.175 (8/3/2022) | 0.132 (10/28/2019) | (0.175 - 0.132)/(39 - 28) | 0.00390909 |
| 0.126 (11/16/2022) | 0.132 (10/28/2019) | (0.126 - 0.132)/(40 - 28) | -0.0005 |
| 0.273 (2/13/2023) | 0.132 (10/28/2019) | (0.273 - 0.132)/(41 - 28) | 0.0108462 |
| 0.142 (5/24/2023) | 0.132 (10/28/2019) | (0.142 - 0.132)/(42 - 28) | 0.000714286 |
| ND<0.1 U (8/7/2023) | 0.132 (10/28/2019) | (0.1 - 0.132)/(43 - 28) | -0.00213333 |
| 0.166 (12/12/2023) | 0.132 (10/28/2019) | (0.166 - 0.132)/(44 - 28) | 0.002125 |
| 0.511 (1/10/2024) | 0.132 (10/28/2019) | (0.511 - 0.132)/(45 - 28) | 0.0222941 |
| 0.142 (5/20/2024) | 0.132 (10/28/2019) | (0.142 - 0.132)/(46 - 28) | 0.000555556 |
| ND<0.05 U (9/16/2024) | 0.132 (10/28/2019) | (0.05 - 0.132)/(47 - 28) | -0.00431579 |
| 0.248 (12/11/2024) | 0.132 (10/28/2019) | (0.248 - 0.132)/(48 - 28) | 0.0058 |
| 0.405 (2/18/2025) | 0.132 (10/28/2019) | (0.405 - 0.132)/(49 - 28) | 0.013 |
| | | | |
| 0.21 (6/10/2020) | 0.19 (3/31/2020) | (0.21 - 0.19)/(30 - 29) | 0.02 |
| ND<0.1 U (9/21/2020) | 0.19 (3/31/2020) | (0.1 - 0.19)/(31 - 29) | -0.045 |
| 0.218 (12/17/2020) | 0.19 (3/31/2020) | (0.218 - 0.19)/(32 - 29) | 0.00933333 |
| 0.145 (3/18/2021) | 0.19 (3/31/2020) | (0.145 - 0.19)/(33 - 29) | -0.01125 |
| 7.91 (5/5/2021) | 0.19 (3/31/2020) | (7.91 - 0.19)/(34 - 29) | 1.544 |
| 0.122 (9/2/2021) | 0.19 (3/31/2020) | (0.122 - 0.19)/(35 - 29) | -0.0113333 |
| 0.124 (11/23/2021) | 0.19 (3/31/2020) | (0.124 - 0.19)/(36 - 29) | -0.00942857 |
| 0.185 (1/10/2022) | 0.19 (3/31/2020) | (0.185 - 0.19)/(37 - 29) | -0.000625 |
| 0.186 (4/7/2022) | 0.19 (3/31/2020) | (0.186 - 0.19)/(38 - 29) | -0.000444444 |
| 0.175 (8/3/2022) | 0.19 (3/31/2020) | (0.175 - 0.19)/(39 - 29) | -0.0015 |
| 0.126 (11/16/2022) | 0.19 (3/31/2020) | (0.126 - 0.19)/(40 - 29) | -0.00581818 |
| 0.273 (2/13/2023) | 0.19 (3/31/2020) | (0.273 - 0.19)/(41 - 29) | 0.00691667 |
| 0.142 (5/24/2023) | 0.19 (3/31/2020) | (0.142 - 0.19)/(42 - 29) | -0.00369231 |
| ND<0.1 U (8/7/2023) | 0.19 (3/31/2020) | (0.1 - 0.19)/(43 - 29) | -0.00642857 |
| 0.166 (12/12/2023) | 0.19 (3/31/2020) | (0.166 - 0.19)/(44 - 29) | -0.0016 |
| 0.511 (1/10/2024) | 0.19 (3/31/2020) | (0.511 - 0.19)/(45 - 29) | 0.0200625 |
| 0.142 (5/20/2024) | 0.19 (3/31/2020) | (0.142 - 0.19)/(46 - 29) | -0.00282353 |
| ND<0.05 U (9/16/2024) | 0.19 (3/31/2020) | (0.05 - 0.19)/(47 - 29) | -0.00777778 |
| 0.248 (12/11/2024) | 0.19 (3/31/2020) | (0.248 - 0.19)/(48 - 29) | 0.00305263 |
| 0.405 (2/18/2025) | 0.19 (3/31/2020) | (0.405 - 0.19)/(49 - 29) | 0.01075 |
| | | | |
| ND<0.1 U (9/21/2020) | 0.21 (6/10/2020) | (0.1 - 0.21)/(31 - 30) | -0.11 |
| 0.218 (12/17/2020) | 0.21 (6/10/2020) | (0.218 - 0.21)/(32 - 30) | 0.004 |

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|---|---|---|---|
| 0.145 (3/18/2021) | 0.21 (6/10/2020) | (0.145 - 0.21)/(33 - 30) | -0.0216667 |
| 7.91 (5/5/2021) | 0.21 (6/10/2020) | (7.91 - 0.21)/(34 - 30) | 1.925 |
| 0.122 (9/2/2021) | 0.21 (6/10/2020) | (0.122 - 0.21)/(35 - 30) | -0.0176 |
| 0.124 (11/23/2021) | 0.21 (6/10/2020) | (0.124 - 0.21)/(36 - 30) | -0.0143333 |
| 0.185 (1/10/2022) | 0.21 (6/10/2020) | (0.185 - 0.21)/(37 - 30) | -0.00357143 |
| 0.186 (4/7/2022) | 0.21 (6/10/2020) | (0.186 - 0.21)/(38 - 30) | -0.003 |
| 0.175 (8/3/2022) | 0.21 (6/10/2020) | (0.175 - 0.21)/(39 - 30) | -0.00388889 |
| 0.126 (11/16/2022) | 0.21 (6/10/2020) | (0.126 - 0.21)/(40 - 30) | -0.0084 |
| 0.273 (2/13/2023) | 0.21 (6/10/2020) | (0.273 - 0.21)/(41 - 30) | 0.00572727 |
| 0.142 (5/24/2023) | 0.21 (6/10/2020) | (0.142 - 0.21)/(42 - 30) | -0.00566667 |
| ND<0.1 U (8/7/2023) | 0.21 (6/10/2020) | (0.1 - 0.21)/(43 - 30) | -0.00846154 |
| 0.166 (12/12/2023) | 0.21 (6/10/2020) | (0.166 - 0.21)/(44 - 30) | -0.00314286 |
| 0.511 (1/10/2024) | 0.21 (6/10/2020) | (0.511 - 0.21)/(45 - 30) | 0.0200667 |
| 0.142 (5/20/2024) | 0.21 (6/10/2020) | (0.142 - 0.21)/(46 - 30) | -0.00425 |
| ND<0.05 U (9/16/2024) | 0.21 (6/10/2020) | (0.05 - 0.21)/(47 - 30) | -0.00941176 |
| 0.248 (12/11/2024) | 0.21 (6/10/2020) | (0.248 - 0.21)/(48 - 30) | 0.00211111 |
| 0.405 (2/18/2025) | 0.21 (6/10/2020) | (0.405 - 0.21)/(49 - 30) | 0.0102632 |
| | | | |
| 0.218 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.218 - 0.1)/(32 - 31) | 0.118 |
| 0.145 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.145 - 0.1)/(33 - 31) | 0.0225 |
| 7.91 (5/5/2021) | ND<0.1 U (9/21/2020) | (7.91 - 0.1)/(34 - 31) | 2.60333 |
| 0.122 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.122 - 0.1)/(35 - 31) | 0.0055 |
| 0.124 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.124 - 0.1)/(36 - 31) | 0.0048 |
| 0.185 (1/10/2022) | ND<0.1 U (9/21/2020) | (0.185 - 0.1)/(37 - 31) | 0.0141667 |
| 0.186 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.186 - 0.1)/(38 - 31) | 0.0122857 |
| 0.175 (8/3/2022) | ND<0.1 U (9/21/2020) | (0.175 - 0.1)/(39 - 31) | 0.009375 |
| 0.126 (11/16/2022) | ND<0.1 U (9/21/2020) | (0.126 - 0.1)/(40 - 31) | 0.00288889 |
| 0.273 (2/13/2023) | ND<0.1 U (9/21/2020) | (0.273 - 0.1)/(41 - 31) | 0.0173 |
| 0.142 (5/24/2023) | ND<0.1 U (9/21/2020) | (0.142 - 0.1)/(42 - 31) | 0.00381818 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(43 - 31) | 0 |
| 0.166 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.166 - 0.1)/(44 - 31) | 0.00507692 |
| 0.511 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.511 - 0.1)/(45 - 31) | 0.0293571 |
| 0.142 (5/20/2024) | ND<0.1 U (9/21/2020) | (0.142 - 0.1)/(46 - 31) | 0.0028 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(47 - 31) | -0.003125 |
| 0.248 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.248 - 0.1)/(48 - 31) | 0.00870588 |
| 0.405 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.405 - 0.1)/(49 - 31) | 0.0169444 |
| | | | |
| 0.145 (3/18/2021) | 0.218 (12/17/2020) | (0.145 - 0.218)/(33 - 32) | -0.073 |
| 7.91 (5/5/2021) | 0.218 (12/17/2020) | (7.91 - 0.218)/(34 - 32) | 3.846 |
| 0.122 (9/2/2021) | 0.218 (12/17/2020) | (0.122 - 0.218)/(35 - 32) | -0.032 |
| 0.124 (11/23/2021) | 0.218 (12/17/2020) | (0.124 - 0.218)/(36 - 32) | -0.0235 |
| 0.185 (1/10/2022) | 0.218 (12/17/2020) | (0.185 - 0.218)/(37 - 32) | -0.0066 |
| 0.186 (4/7/2022) | 0.218 (12/17/2020) | (0.186 - 0.218)/(38 - 32) | -0.00533333 |
| 0.175 (8/3/2022) | 0.218 (12/17/2020) | (0.175 - 0.218)/(39 - 32) | -0.00614286 |
| 0.126 (11/16/2022) | 0.218 (12/17/2020) | (0.126 - 0.218)/(40 - 32) | -0.0115 |
| 0.273 (2/13/2023) | 0.218 (12/17/2020) | (0.273 - 0.218)/(41 - 32) | 0.00611111 |
| 0.142 (5/24/2023) | 0.218 (12/17/2020) | (0.142 - 0.218)/(42 - 32) | -0.0076 |
| ND<0.1 U (8/7/2023) | 0.218 (12/17/2020) | (0.1 - 0.218)/(43 - 32) | -0.0107273 |
| 0.166 (12/12/2023) | 0.218 (12/17/2020) | (0.166 - 0.218)/(44 - 32) | -0.00433333 |
| 0.511 (1/10/2024) | 0.218 (12/17/2020) | (0.511 - 0.218)/(45 - 32) | 0.0225385 |
| 0.142 (5/20/2024) | 0.218 (12/17/2020) | (0.142 - 0.218)/(46 - 32) | -0.00542857 |
| ND<0.05 U (9/16/2024) | 0.218 (12/17/2020) | (0.05 - 0.218)/(47 - 32) | -0.0112 |
| 0.248 (12/11/2024) | 0.218 (12/17/2020) | (0.248 - 0.218)/(48 - 32) | 0.001875 |
| 0.405 (2/18/2025) | 0.218 (12/17/2020) | (0.405 - 0.218)/(49 - 32) | 0.011 |
| | | | |
| 7.91 (5/5/2021) | 0.145 (3/18/2021) | (7.91 - 0.145)/(34 - 33) | 7.765 |
| 0.122 (9/2/2021) | 0.145 (3/18/2021) | (0.122 - 0.145)/(35 - 33) | -0.0115 |

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|---|---|---|---|
| 0.124 (11/23/2021) | 0.145 (3/18/2021) | (0.124 - 0.145)/(36 - 33) | -0.007 |
| 0.185 (1/10/2022) | 0.145 (3/18/2021) | (0.185 - 0.145)/(37 - 33) | 0.01 |
| 0.186 (4/7/2022) | 0.145 (3/18/2021) | (0.186 - 0.145)/(38 - 33) | 0.0082 |
| 0.175 (8/3/2022) | 0.145 (3/18/2021) | (0.175 - 0.145)/(39 - 33) | 0.005 |
| 0.126 (11/16/2022) | 0.145 (3/18/2021) | (0.126 - 0.145)/(40 - 33) | -0.00271429 |
| 0.273 (2/13/2023) | 0.145 (3/18/2021) | (0.273 - 0.145)/(41 - 33) | 0.016 |
| 0.142 (5/24/2023) | 0.145 (3/18/2021) | (0.142 - 0.145)/(42 - 33) | -0.000333333 |
| ND<0.1 U (8/7/2023) | 0.145 (3/18/2021) | (0.1 - 0.145)/(43 - 33) | -0.0045 |
| 0.166 (12/12/2023) | 0.145 (3/18/2021) | (0.166 - 0.145)/(44 - 33) | 0.00190909 |
| 0.511 (1/10/2024) | 0.145 (3/18/2021) | (0.511 - 0.145)/(45 - 33) | 0.0305 |
| 0.142 (5/20/2024) | 0.145 (3/18/2021) | (0.142 - 0.145)/(46 - 33) | -0.000230769 |
| ND<0.05 U (9/16/2024) | 0.145 (3/18/2021) | (0.05 - 0.145)/(47 - 33) | -0.00678571 |
| 0.248 (12/11/2024) | 0.145 (3/18/2021) | (0.248 - 0.145)/(48 - 33) | 0.00686667 |
| 0.405 (2/18/2025) | 0.145 (3/18/2021) | (0.405 - 0.145)/(49 - 33) | 0.01625 |
| | | | |
| 0.122 (9/2/2021) | 7.91 (5/5/2021) | (0.122 - 7.91)/(35 - 34) | -7.788 |
| 0.124 (11/23/2021) | 7.91 (5/5/2021) | (0.124 - 7.91)/(36 - 34) | -3.893 |
| 0.185 (1/10/2022) | 7.91 (5/5/2021) | (0.185 - 7.91)/(37 - 34) | -2.575 |
| 0.186 (4/7/2022) | 7.91 (5/5/2021) | (0.186 - 7.91)/(38 - 34) | -1.931 |
| 0.175 (8/3/2022) | 7.91 (5/5/2021) | (0.175 - 7.91)/(39 - 34) | -1.547 |
| 0.126 (11/16/2022) | 7.91 (5/5/2021) | (0.126 - 7.91)/(40 - 34) | -1.29733 |
| 0.273 (2/13/2023) | 7.91 (5/5/2021) | (0.273 - 7.91)/(41 - 34) | -1.091 |
| 0.142 (5/24/2023) | 7.91 (5/5/2021) | (0.142 - 7.91)/(42 - 34) | -0.971 |
| ND<0.1 U (8/7/2023) | 7.91 (5/5/2021) | (0.1 - 7.91)/(43 - 34) | -0.867778 |
| 0.166 (12/12/2023) | 7.91 (5/5/2021) | (0.166 - 7.91)/(44 - 34) | -0.7744 |
| 0.511 (1/10/2024) | 7.91 (5/5/2021) | (0.511 - 7.91)/(45 - 34) | -0.672636 |
| 0.142 (5/20/2024) | 7.91 (5/5/2021) | (0.142 - 7.91)/(46 - 34) | -0.647333 |
| ND<0.05 U (9/16/2024) | 7.91 (5/5/2021) | (0.05 - 7.91)/(47 - 34) | -0.604615 |
| 0.248 (12/11/2024) | 7.91 (5/5/2021) | (0.248 - 7.91)/(48 - 34) | -0.547286 |
| 0.405 (2/18/2025) | 7.91 (5/5/2021) | (0.405 - 7.91)/(49 - 34) | -0.500333 |
| | | | |
| 0.124 (11/23/2021) | 0.122 (9/2/2021) | (0.124 - 0.122)/(36 - 35) | 0.002 |
| 0.185 (1/10/2022) | 0.122 (9/2/2021) | (0.185 - 0.122)/(37 - 35) | 0.0315 |
| 0.186 (4/7/2022) | 0.122 (9/2/2021) | (0.186 - 0.122)/(38 - 35) | 0.0213333 |
| 0.175 (8/3/2022) | 0.122 (9/2/2021) | (0.175 - 0.122)/(39 - 35) | 0.01325 |
| 0.126 (11/16/2022) | 0.122 (9/2/2021) | (0.126 - 0.122)/(40 - 35) | 0.0008 |
| 0.273 (2/13/2023) | 0.122 (9/2/2021) | (0.273 - 0.122)/(41 - 35) | 0.0251667 |
| 0.142 (5/24/2023) | 0.122 (9/2/2021) | (0.142 - 0.122)/(42 - 35) | 0.00285714 |
| ND<0.1 U (8/7/2023) | 0.122 (9/2/2021) | (0.1 - 0.122)/(43 - 35) | -0.00275 |
| 0.166 (12/12/2023) | 0.122 (9/2/2021) | (0.166 - 0.122)/(44 - 35) | 0.00488889 |
| 0.511 (1/10/2024) | 0.122 (9/2/2021) | (0.511 - 0.122)/(45 - 35) | 0.0389 |
| 0.142 (5/20/2024) | 0.122 (9/2/2021) | (0.142 - 0.122)/(46 - 35) | 0.00181818 |
| ND<0.05 U (9/16/2024) | 0.122 (9/2/2021) | (0.05 - 0.122)/(47 - 35) | -0.006 |
| 0.248 (12/11/2024) | 0.122 (9/2/2021) | (0.248 - 0.122)/(48 - 35) | 0.00969231 |
| 0.405 (2/18/2025) | 0.122 (9/2/2021) | (0.405 - 0.122)/(49 - 35) | 0.0202143 |
| | | | |
| 0.185 (1/10/2022) | 0.124 (11/23/2021) | (0.185 - 0.124)/(37 - 36) | 0.061 |
| 0.186 (4/7/2022) | 0.124 (11/23/2021) | (0.186 - 0.124)/(38 - 36) | 0.031 |
| 0.175 (8/3/2022) | 0.124 (11/23/2021) | (0.175 - 0.124)/(39 - 36) | 0.017 |
| 0.126 (11/16/2022) | 0.124 (11/23/2021) | (0.126 - 0.124)/(40 - 36) | 0.0005 |
| 0.273 (2/13/2023) | 0.124 (11/23/2021) | (0.273 - 0.124)/(41 - 36) | 0.0298 |
| 0.142 (5/24/2023) | 0.124 (11/23/2021) | (0.142 - 0.124)/(42 - 36) | 0.003 |
| ND<0.1 U (8/7/2023) | 0.124 (11/23/2021) | (0.1 - 0.124)/(43 - 36) | -0.00342857 |
| 0.166 (12/12/2023) | 0.124 (11/23/2021) | (0.166 - 0.124)/(44 - 36) | 0.00525 |
| 0.511 (1/10/2024) | 0.124 (11/23/2021) | (0.511 - 0.124)/(45 - 36) | 0.043 |
| 0.142 (5/20/2024) | 0.124 (11/23/2021) | (0.142 - 0.124)/(46 - 36) | 0.0018 |
| ND<0.05 U (9/16/2024) | 0.124 (11/23/2021) | (0.05 - 0.124)/(47 - 36) | -0.00672727 |

| | | | |
|---|---|---|---|
| 0.248 (12/11/2024) | 0.124 (11/23/2021) | (0.248 - 0.124)/(48 - 36) | 0.0103333 |
| 0.405 (2/18/2025) | 0.124 (11/23/2021) | (0.405 - 0.124)/(49 - 36) | 0.0216154 |
| | | | |
| 0.186 (4/7/2022) | 0.185 (1/10/2022) | (0.186 - 0.185)/(38 - 37) | 0.001 |
| 0.175 (8/3/2022) | 0.185 (1/10/2022) | (0.175 - 0.185)/(39 - 37) | -0.005 |
| 0.126 (11/16/2022) | 0.185 (1/10/2022) | (0.126 - 0.185)/(40 - 37) | -0.0196667 |
| 0.273 (2/13/2023) | 0.185 (1/10/2022) | (0.273 - 0.185)/(41 - 37) | 0.022 |
| 0.142 (5/24/2023) | 0.185 (1/10/2022) | (0.142 - 0.185)/(42 - 37) | -0.0086 |
| ND<0.1 U (8/7/2023) | 0.185 (1/10/2022) | (0.1 - 0.185)/(43 - 37) | -0.0141667 |
| 0.166 (12/12/2023) | 0.185 (1/10/2022) | (0.166 - 0.185)/(44 - 37) | -0.00271429 |
| 0.511 (1/10/2024) | 0.185 (1/10/2022) | (0.511 - 0.185)/(45 - 37) | 0.04075 |
| 0.142 (5/20/2024) | 0.185 (1/10/2022) | (0.142 - 0.185)/(46 - 37) | -0.00477778 |
| ND<0.05 U (9/16/2024) | 0.185 (1/10/2022) | (0.05 - 0.185)/(47 - 37) | -0.0135 |
| 0.248 (12/11/2024) | 0.185 (1/10/2022) | (0.248 - 0.185)/(48 - 37) | 0.00572727 |
| 0.405 (2/18/2025) | 0.185 (1/10/2022) | (0.405 - 0.185)/(49 - 37) | 0.0183333 |
| | | | |
| 0.175 (8/3/2022) | 0.186 (4/7/2022) | (0.175 - 0.186)/(39 - 38) | -0.011 |
| 0.126 (11/16/2022) | 0.186 (4/7/2022) | (0.126 - 0.186)/(40 - 38) | -0.03 |
| 0.273 (2/13/2023) | 0.186 (4/7/2022) | (0.273 - 0.186)/(41 - 38) | 0.029 |
| 0.142 (5/24/2023) | 0.186 (4/7/2022) | (0.142 - 0.186)/(42 - 38) | -0.011 |
| ND<0.1 U (8/7/2023) | 0.186 (4/7/2022) | (0.1 - 0.186)/(43 - 38) | -0.0172 |
| 0.166 (12/12/2023) | 0.186 (4/7/2022) | (0.166 - 0.186)/(44 - 38) | -0.00333333 |
| 0.511 (1/10/2024) | 0.186 (4/7/2022) | (0.511 - 0.186)/(45 - 38) | 0.0464286 |
| 0.142 (5/20/2024) | 0.186 (4/7/2022) | (0.142 - 0.186)/(46 - 38) | -0.0055 |
| ND<0.05 U (9/16/2024) | 0.186 (4/7/2022) | (0.05 - 0.186)/(47 - 38) | -0.0151111 |
| 0.248 (12/11/2024) | 0.186 (4/7/2022) | (0.248 - 0.186)/(48 - 38) | 0.0062 |
| 0.405 (2/18/2025) | 0.186 (4/7/2022) | (0.405 - 0.186)/(49 - 38) | 0.0199091 |
| | | | |
| 0.126 (11/16/2022) | 0.175 (8/3/2022) | (0.126 - 0.175)/(40 - 39) | -0.049 |
| 0.273 (2/13/2023) | 0.175 (8/3/2022) | (0.273 - 0.175)/(41 - 39) | 0.049 |
| 0.142 (5/24/2023) | 0.175 (8/3/2022) | (0.142 - 0.175)/(42 - 39) | -0.011 |
| ND<0.1 U (8/7/2023) | 0.175 (8/3/2022) | (0.1 - 0.175)/(43 - 39) | -0.01875 |
| 0.166 (12/12/2023) | 0.175 (8/3/2022) | (0.166 - 0.175)/(44 - 39) | -0.0018 |
| 0.511 (1/10/2024) | 0.175 (8/3/2022) | (0.511 - 0.175)/(45 - 39) | 0.056 |
| 0.142 (5/20/2024) | 0.175 (8/3/2022) | (0.142 - 0.175)/(46 - 39) | -0.00471429 |
| ND<0.05 U (9/16/2024) | 0.175 (8/3/2022) | (0.05 - 0.175)/(47 - 39) | -0.015625 |
| 0.248 (12/11/2024) | 0.175 (8/3/2022) | (0.248 - 0.175)/(48 - 39) | 0.00811111 |
| 0.405 (2/18/2025) | 0.175 (8/3/2022) | (0.405 - 0.175)/(49 - 39) | 0.023 |
| | | | |
| 0.273 (2/13/2023) | 0.126 (11/16/2022) | (0.273 - 0.126)/(41 - 40) | 0.147 |
| 0.142 (5/24/2023) | 0.126 (11/16/2022) | (0.142 - 0.126)/(42 - 40) | 0.008 |
| ND<0.1 U (8/7/2023) | 0.126 (11/16/2022) | (0.1 - 0.126)/(43 - 40) | -0.00866667 |
| 0.166 (12/12/2023) | 0.126 (11/16/2022) | (0.166 - 0.126)/(44 - 40) | 0.01 |
| 0.511 (1/10/2024) | 0.126 (11/16/2022) | (0.511 - 0.126)/(45 - 40) | 0.077 |
| 0.142 (5/20/2024) | 0.126 (11/16/2022) | (0.142 - 0.126)/(46 - 40) | 0.00266667 |
| ND<0.05 U (9/16/2024) | 0.126 (11/16/2022) | (0.05 - 0.126)/(47 - 40) | -0.0108571 |
| 0.248 (12/11/2024) | 0.126 (11/16/2022) | (0.248 - 0.126)/(48 - 40) | 0.01525 |
| 0.405 (2/18/2025) | 0.126 (11/16/2022) | (0.405 - 0.126)/(49 - 40) | 0.031 |
| | | | |
| 0.142 (5/24/2023) | 0.273 (2/13/2023) | (0.142 - 0.273)/(42 - 41) | -0.131 |
| ND<0.1 U (8/7/2023) | 0.273 (2/13/2023) | (0.1 - 0.273)/(43 - 41) | -0.0865 |
| 0.166 (12/12/2023) | 0.273 (2/13/2023) | (0.166 - 0.273)/(44 - 41) | -0.0356667 |
| 0.511 (1/10/2024) | 0.273 (2/13/2023) | (0.511 - 0.273)/(45 - 41) | 0.0595 |
| 0.142 (5/20/2024) | 0.273 (2/13/2023) | (0.142 - 0.273)/(46 - 41) | -0.0262 |
| ND<0.05 U (9/16/2024) | 0.273 (2/13/2023) | (0.05 - 0.273)/(47 - 41) | -0.0371667 |
| 0.248 (12/11/2024) | 0.273 (2/13/2023) | (0.248 - 0.273)/(48 - 41) | -0.00357143 |
| 0.405 (2/18/2025) | 0.273 (2/13/2023) | (0.405 - 0.273)/(49 - 41) | 0.0165 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/7/2023) | 0.142 (5/24/2023) | (0.1 - 0.142)/(43 - 42) | -0.042 |
| 0.166 (12/12/2023) | 0.142 (5/24/2023) | (0.166 - 0.142)/(44 - 42) | 0.012 |
| 0.511 (1/10/2024) | 0.142 (5/24/2023) | (0.511 - 0.142)/(45 - 42) | 0.123 |
| 0.142 (5/20/2024) | 0.142 (5/24/2023) | (0.142 - 0.142)/(46 - 42) | 0 |
| ND<0.05 U (9/16/2024) | 0.142 (5/24/2023) | (0.05 - 0.142)/(47 - 42) | -0.0184 |
| 0.248 (12/11/2024) | 0.142 (5/24/2023) | (0.248 - 0.142)/(48 - 42) | 0.0176667 |
| 0.405 (2/18/2025) | 0.142 (5/24/2023) | (0.405 - 0.142)/(49 - 42) | 0.0375714 |
| | | | |
| 0.166 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.166 - 0.1)/(44 - 43) | 0.066 |
| 0.511 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.511 - 0.1)/(45 - 43) | 0.2055 |
| 0.142 (5/20/2024) | ND<0.1 U (8/7/2023) | (0.142 - 0.1)/(46 - 43) | 0.014 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.248 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.248 - 0.1)/(48 - 43) | 0.0296 |
| 0.405 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.405 - 0.1)/(49 - 43) | 0.0508333 |
| | | | |
| 0.511 (1/10/2024) | 0.166 (12/12/2023) | (0.511 - 0.166)/(45 - 44) | 0.345 |
| 0.142 (5/20/2024) | 0.166 (12/12/2023) | (0.142 - 0.166)/(46 - 44) | -0.012 |
| ND<0.05 U (9/16/2024) | 0.166 (12/12/2023) | (0.05 - 0.166)/(47 - 44) | -0.0386667 |
| 0.248 (12/11/2024) | 0.166 (12/12/2023) | (0.248 - 0.166)/(48 - 44) | 0.0205 |
| 0.405 (2/18/2025) | 0.166 (12/12/2023) | (0.405 - 0.166)/(49 - 44) | 0.0478 |
| | | | |
| 0.142 (5/20/2024) | 0.511 (1/10/2024) | (0.142 - 0.511)/(46 - 45) | -0.369 |
| ND<0.05 U (9/16/2024) | 0.511 (1/10/2024) | (0.05 - 0.511)/(47 - 45) | -0.2305 |
| 0.248 (12/11/2024) | 0.511 (1/10/2024) | (0.248 - 0.511)/(48 - 45) | -0.0876667 |
| 0.405 (2/18/2025) | 0.511 (1/10/2024) | (0.405 - 0.511)/(49 - 45) | -0.0265 |
| | | | |
| ND<0.05 U (9/16/2024) | 0.142 (5/20/2024) | (0.05 - 0.142)/(47 - 46) | -0.092 |
| 0.248 (12/11/2024) | 0.142 (5/20/2024) | (0.248 - 0.142)/(48 - 46) | 0.053 |
| 0.405 (2/18/2025) | 0.142 (5/20/2024) | (0.405 - 0.142)/(49 - 46) | 0.0876667 |
| | | | |
| 0.248 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.248 - 0.05)/(48 - 47) | 0.198 |
| 0.405 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.405 - 0.05)/(49 - 47) | 0.1775 |
| | | | |
| 0.405 (2/18/2025) | 0.248 (12/11/2024) | (0.405 - 0.248)/(49 - 48) | 0.157 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -7.788 |
| 2 | -3.893 |
| 3 | -2.575 |
| 4 | -1.931 |
| 5 | -1.547 |
| 6 | -1.29733 |
| 7 | -1.091 |
| 8 | -0.971 |
| 9 | -0.867778 |
| 10 | -0.7744 |
| 11 | -0.672636 |
| 12 | -0.647333 |
| 13 | -0.604615 |
| 14 | -0.547286 |
| 15 | -0.500333 |
| 16 | -0.369 |

| | |
|---|---|
| 17 | -0.2305 |
| 18 | -0.16 |
| 19 | -0.151 |
| 20 | -0.131 |
| 21 | -0.11 |
| 22 | -0.11 |
| 23 | -0.108 |
| 24 | -0.092 |
| 25 | -0.09 |
| 26 | -0.09 |
| 27 | -0.0876667 |
| 28 | -0.0865 |
| 29 | -0.085 |
| 30 | -0.08 |
| 31 | -0.08 |
| 32 | -0.073 |
| 33 | -0.072 |
| 34 | -0.07 |
| 35 | -0.065 |
| 36 | -0.05 |
| 37 | -0.05 |
| 38 | -0.049 |
| 39 | -0.046 |
| 40 | -0.045 |
| 41 | -0.045 |
| 42 | -0.0433333 |
| 43 | -0.042 |
| 44 | -0.04 |
| 45 | -0.04 |
| 46 | -0.0386667 |
| 47 | -0.0371667 |
| 48 | -0.0356667 |
| 49 | -0.035 |
| 50 | -0.0333333 |
| 51 | -0.0325 |
| 52 | -0.032 |
| 53 | -0.0308571 |
| 54 | -0.03 |
| 55 | -0.03 |
| 56 | -0.03 |
| 57 | -0.0283333 |
| 58 | -0.0275 |
| 59 | -0.0266667 |
| 60 | -0.0266667 |
| 61 | -0.0265 |
| 62 | -0.0262 |
| 63 | -0.0252 |
| 64 | -0.025 |
| 65 | -0.025 |
| 66 | -0.0242857 |
| 67 | -0.024 |
| 68 | -0.0235 |
| 69 | -0.0233333 |
| 70 | -0.0233333 |
| 71 | -0.023 |
| 72 | -0.0216667 |
| 73 | -0.02125 |

| | |
|---|---|
| 74 | -0.02 |
| 75 | -0.02 |
| 76 | -0.02 |
| 77 | -0.02 |
| 78 | -0.0196667 |
| 79 | -0.019 |
| 80 | -0.01875 |
| 81 | -0.0184 |
| 82 | -0.018 |
| 83 | -0.0177778 |
| 84 | -0.0177778 |
| 85 | -0.0176667 |
| 86 | -0.0176364 |
| 87 | -0.0176 |
| 88 | -0.0175 |
| 89 | -0.0172 |
| 90 | -0.0169 |
| 91 | -0.0165 |
| 92 | -0.016 |
| 93 | -0.016 |
| 94 | -0.016 |
| 95 | -0.015625 |
| 96 | -0.0154545 |
| 97 | -0.0151111 |
| 98 | -0.0143333 |
| 99 | -0.0142857 |
| 100 | -0.0141667 |
| 101 | -0.0138 |
| 102 | -0.0137778 |
| 103 | -0.0135 |
| 104 | -0.0133333 |
| 105 | -0.0133333 |
| 106 | -0.01325 |
| 107 | -0.0128571 |
| 108 | -0.0125 |
| 109 | -0.0123077 |
| 110 | -0.0123077 |
| 111 | -0.01225 |
| 112 | -0.0121429 |
| 113 | -0.012 |
| 114 | -0.012 |
| 115 | -0.011875 |
| 116 | -0.0116667 |
| 117 | -0.0116667 |
| 118 | -0.0115652 |
| 119 | -0.0115 |
| 120 | -0.0115 |
| 121 | -0.0114286 |
| 122 | -0.0114286 |
| 123 | -0.0113684 |
| 124 | -0.0113333 |
| 125 | -0.0113333 |
| 126 | -0.01125 |
| 127 | -0.0112 |
| 128 | -0.011 |
| 129 | -0.011 |
| 130 | -0.011 |

| | |
|---|---|
| 131 | -0.011 |
| 132 | -0.0108571 |
| 133 | -0.0108333 |
| 134 | -0.0108 |
| 135 | -0.0107273 |
| 136 | -0.0106667 |
| 137 | -0.0106667 |
| 138 | -0.0103636 |
| 139 | -0.0100769 |
| 140 | -0.01 |
| 141 | -0.01 |
| 142 | -0.01 |
| 143 | -0.01 |
| 144 | -0.01 |
| 145 | -0.01 |
| 146 | -0.01 |
| 147 | -0.01 |
| 148 | -0.01 |
| 149 | -0.01 |
| 150 | -0.00966667 |
| 151 | -0.00942857 |
| 152 | -0.00941176 |
| 153 | -0.00941176 |
| 154 | -0.0094 |
| 155 | -0.00935294 |
| 156 | -0.00928571 |
| 157 | -0.0092 |
| 158 | -0.00909091 |
| 159 | -0.00894737 |
| 160 | -0.00888889 |
| 161 | -0.00877778 |
| 162 | -0.00866667 |
| 163 | -0.008625 |
| 164 | -0.0086 |
| 165 | -0.00846154 |
| 166 | -0.0084 |
| 167 | -0.00807692 |
| 168 | -0.008 |
| 169 | -0.008 |
| 170 | -0.00790909 |
| 171 | -0.00777778 |
| 172 | -0.00777778 |
| 173 | -0.00766667 |
| 174 | -0.00761905 |
| 175 | -0.00761905 |
| 176 | -0.0076 |
| 177 | -0.0075 |
| 178 | -0.0075 |
| 179 | -0.0075 |
| 180 | -0.00727273 |
| 181 | -0.007125 |
| 182 | -0.00711111 |
| 183 | -0.007 |
| 184 | -0.007 |
| 185 | -0.007 |
| 186 | -0.00678571 |
| 187 | -0.00672727 |

| | |
|---|---|
| 188 | -0.00666667 |
| 189 | -0.0066 |
| 190 | -0.00643478 |
| 191 | -0.00642857 |
| 192 | -0.00636364 |
| 193 | -0.00633333 |
| 194 | -0.00628571 |
| 195 | -0.00625 |
| 196 | -0.00615385 |
| 197 | -0.00615385 |
| 198 | -0.00614286 |
| 199 | -0.00608333 |
| 200 | -0.006 |
| 201 | -0.006 |
| 202 | -0.00595238 |
| 203 | -0.00583333 |
| 204 | -0.00581818 |
| 205 | -0.00571429 |
| 206 | -0.00571429 |
| 207 | -0.00567568 |
| 208 | -0.00566667 |
| 209 | -0.00566667 |
| 210 | -0.005625 |
| 211 | -0.00557143 |
| 212 | -0.00556522 |
| 213 | -0.00555556 |
| 214 | -0.00552 |
| 215 | -0.0055 |
| 216 | -0.00548387 |
| 217 | -0.00545455 |
| 218 | -0.00542857 |
| 219 | -0.00533333 |
| 220 | -0.00529412 |
| 221 | -0.00523077 |
| 222 | -0.00522727 |
| 223 | -0.00514286 |
| 224 | -0.005 |
| 225 | -0.005 |
| 226 | -0.005 |
| 227 | -0.005 |
| 228 | -0.005 |
| 229 | -0.005 |
| 230 | -0.005 |
| 231 | -0.00492857 |
| 232 | -0.00484848 |
| 233 | -0.00483871 |
| 234 | -0.00477778 |
| 235 | -0.00475 |
| 236 | -0.00471429 |
| 237 | -0.00470588 |
| 238 | -0.00466667 |
| 239 | -0.0046 |
| 240 | -0.0046 |
| 241 | -0.00454545 |
| 242 | -0.0045 |
| 243 | -0.00446667 |
| 244 | -0.00445 |

| | |
|---|---|
| 245 | -0.00444444 |
| 246 | -0.0043871 |
| 247 | -0.00433333 |
| 248 | -0.00431579 |
| 249 | -0.0043 |
| 250 | -0.00428571 |
| 251 | -0.00428571 |
| 252 | -0.00426667 |
| 253 | -0.00425 |
| 254 | -0.00425 |
| 255 | -0.00421053 |
| 256 | -0.00416667 |
| 257 | -0.00410714 |
| 258 | -0.00410526 |
| 259 | -0.004 |
| 260 | -0.00388889 |
| 261 | -0.00388889 |
| 262 | -0.00388889 |
| 263 | -0.00384615 |
| 264 | -0.00384615 |
| 265 | -0.00382857 |
| 266 | -0.00382353 |
| 267 | -0.0038 |
| 268 | -0.00376923 |
| 269 | -0.00376471 |
| 270 | -0.00375 |
| 271 | -0.00372727 |
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| 997 | 0.0117 |
| 998 | 0.0117308 |
| 999 | 0.012 |
| 1000 | 0.0120882 |
| 1001 | 0.0121786 |
| 1002 | 0.0122857 |
| 1003 | 0.0123571 |
| 1004 | 0.0123636 |
| 1005 | 0.0123667 |
| 1006 | 0.0127059 |
| 1007 | 0.0127143 |
| 1008 | 0.013 |
| 1009 | 0.013 |
| 1010 | 0.0131111 |
| 1011 | 0.01325 |
| 1012 | 0.0132581 |
| 1013 | 0.0132609 |
| 1014 | 0.0133333 |
| 1015 | 0.013625 |
| 1016 | 0.0136364 |
| 1017 | 0.0138636 |
| 1018 | 0.014 |
| 1019 | 0.014 |
| 1020 | 0.0141667 |
| 1021 | 0.0145 |
| 1022 | 0.015 |
| 1023 | 0.015 |
| 1024 | 0.015 |
| 1025 | 0.0152083 |
| 1026 | 0.0152222 |
| 1027 | 0.01525 |
| 1028 | 0.0153333 |
| 1029 | 0.0155556 |
| 1030 | 0.0157143 |
| 1031 | 0.0158077 |
| 1032 | 0.016 |
| 1033 | 0.016 |
| 1034 | 0.01625 |
| 1035 | 0.01644 |
| 1036 | 0.0165 |
| 1037 | 0.0166154 |
| 1038 | 0.0166667 |
| 1039 | 0.0169444 |
| 1040 | 0.017 |
| 1041 | 0.0173 |
| 1042 | 0.0173 |

| | |
|---|---|
| 1043 | 0.0176667 |
| 1044 | 0.0178261 |
| 1045 | 0.0183333 |
| 1046 | 0.0186818 |
| 1047 | 0.0188889 |
| 1048 | 0.0195556 |
| 1049 | 0.0196667 |
| 1050 | 0.0199091 |
| 1051 | 0.02 |
| 1052 | 0.02 |
| 1053 | 0.02 |
| 1054 | 0.02 |
| 1055 | 0.02 |
| 1056 | 0.0200625 |
| 1057 | 0.0200667 |
| 1058 | 0.0202143 |
| 1059 | 0.0205 |
| 1060 | 0.0208571 |
| 1061 | 0.0213333 |
| 1062 | 0.0213333 |
| 1063 | 0.0215 |
| 1064 | 0.0216 |
| 1065 | 0.0216154 |
| 1066 | 0.0216316 |
| 1067 | 0.022 |
| 1068 | 0.0222941 |
| 1069 | 0.0225 |
| 1070 | 0.0225385 |
| 1071 | 0.0228333 |
| 1072 | 0.0228571 |
| 1073 | 0.023 |
| 1074 | 0.023 |
| 1075 | 0.0233333 |
| 1076 | 0.0233333 |
| 1077 | 0.0236 |
| 1078 | 0.025 |
| 1079 | 0.025 |
| 1080 | 0.025 |
| 1081 | 0.0251667 |
| 1082 | 0.0275 |
| 1083 | 0.0275 |
| 1084 | 0.029 |
| 1085 | 0.0293571 |
| 1086 | 0.0296 |
| 1087 | 0.0298 |
| 1088 | 0.03 |
| 1089 | 0.0305 |
| 1090 | 0.031 |
| 1091 | 0.031 |
| 1092 | 0.0315 |
| 1093 | 0.032 |
| 1094 | 0.0325 |
| 1095 | 0.034 |
| 1096 | 0.035 |
| 1097 | 0.036 |
| 1098 | 0.0366667 |
| 1099 | 0.0375714 |

| | |
|---|---|
| 1100 | 0.0389 |
| 1101 | 0.039 |
| 1102 | 0.04 |
| 1103 | 0.04 |
| 1104 | 0.04 |
| 1105 | 0.04075 |
| 1106 | 0.043 |
| 1107 | 0.0432 |
| 1108 | 0.045 |
| 1109 | 0.045 |
| 1110 | 0.046 |
| 1111 | 0.0464286 |
| 1112 | 0.0478 |
| 1113 | 0.049 |
| 1114 | 0.05 |
| 1115 | 0.0508333 |
| 1116 | 0.053 |
| 1117 | 0.0533333 |
| 1118 | 0.054 |
| 1119 | 0.056 |
| 1120 | 0.0566667 |
| 1121 | 0.058 |
| 1122 | 0.0595 |
| 1123 | 0.06 |
| 1124 | 0.061 |
| 1125 | 0.066 |
| 1126 | 0.07 |
| 1127 | 0.07 |
| 1128 | 0.077 |
| 1129 | 0.08 |
| 1130 | 0.0876667 |
| 1131 | 0.1075 |
| 1132 | 0.11 |
| 1133 | 0.118 |
| 1134 | 0.123 |
| 1135 | 0.147 |
| 1136 | 0.15 |
| 1137 | 0.157 |
| 1138 | 0.17 |
| 1139 | 0.1775 |
| 1140 | 0.198 |
| 1141 | 0.2055 |
| 1142 | 0.216 |
| 1143 | 0.236061 |
| 1144 | 0.24125 |
| 1145 | 0.251935 |
| 1146 | 0.26 |
| 1147 | 0.263793 |
| 1148 | 0.277143 |
| 1149 | 0.289259 |
| 1150 | 0.297692 |
| 1151 | 0.3104 |
| 1152 | 0.31875 |
| 1153 | 0.339565 |
| 1154 | 0.345 |
| 1155 | 0.347273 |
| 1156 | 0.368095 |

| | |
|---|---|
| 1157 | 0.3905 |
| 1158 | 0.408947 |
| 1159 | 0.428333 |
| 1160 | 0.455294 |
| 1161 | 0.488125 |
| 1162 | 0.520667 |
| 1163 | 0.557857 |
| 1164 | 0.597231 |
| 1165 | 0.65075 |
| 1166 | 0.71 |
| 1167 | 0.7594 |
| 1168 | 0.860556 |
| 1169 | 0.97625 |
| 1170 | 1.11571 |
| 1171 | 1.29633 |
| 1172 | 1.544 |
| 1173 | 1.925 |
| 1174 | 2.60333 |
| 1175 | 3.846 |
| 1176 | 7.765 |

Sen's Estimator (Median Q) is 0.000525287

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.19 | 2 |
| 2 | 0.1 | 12 |
| 3 | 0.26 | 2 |
| 4 | 0.15 | 2 |
| 5 | 0.17 | 2 |
| 6 | 0.142 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |

| | |
|---|---|
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 3918
B = 0
C = 1320
D = 0
E = 142
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13241
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 189.272
M1 = (1176 - 189.272)/2.0 = 493.364
M2 = (1176 + 189.272)/2.0 + 1 = 683.636
Lower limit is 0 = Q(493)
Upper limit is 0.00181818 = Q(684)
0 < 0 < 0.00181818 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 1
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.15 (5/8/2013) | 0.54 (3/12/2013) | (0.15 - 0.54)/(2 - 1) | -0.39 |
| ND<0.1 U (9/23/2013) | 0.54 (3/12/2013) | (0.1 - 0.54)/(3 - 1) | -0.22 |
| 0.55 (12/10/2013) | 0.54 (3/12/2013) | (0.55 - 0.54)/(4 - 1) | 0.00333333 |
| 0.55 (2/6/2014) | 0.54 (3/12/2013) | (0.55 - 0.54)/(5 - 1) | 0.0025 |
| ND<0.1 U (6/26/2014) | 0.54 (3/12/2013) | (0.1 - 0.54)/(6 - 1) | -0.088 |
| ND<0.1 U (9/30/2014) | 0.54 (3/12/2013) | (0.1 - 0.54)/(7 - 1) | -0.0733333 |
| 0.74 (11/19/2014) | 0.54 (3/12/2013) | (0.74 - 0.54)/(8 - 1) | 0.0285714 |
| 0.51 (3/23/2015) | 0.54 (3/12/2013) | (0.51 - 0.54)/(9 - 1) | -0.00375 |
| 0.4 (4/22/2015) | 0.54 (3/12/2013) | (0.4 - 0.54)/(10 - 1) | -0.0155556 |
| ND<0.1 U (9/30/2015) | 0.54 (3/12/2013) | (0.1 - 0.54)/(11 - 1) | -0.044 |
| 0.4 (11/19/2015) | 0.54 (3/12/2013) | (0.4 - 0.54)/(12 - 1) | -0.0127273 |
| 0.45 (3/15/2016) | 0.54 (3/12/2013) | (0.45 - 0.54)/(13 - 1) | -0.0075 |
| ND<0.1 U (6/29/2016) | 0.54 (3/12/2013) | (0.1 - 0.54)/(14 - 1) | -0.0338462 |
| ND<0.1 U (8/9/2016) | 0.54 (3/12/2013) | (0.1 - 0.54)/(15 - 1) | -0.0314286 |
| 0.41 (12/7/2016) | 0.54 (3/12/2013) | (0.41 - 0.54)/(16 - 1) | -0.00866667 |
| 0.67 (3/2/2017) | 0.54 (3/12/2013) | (0.67 - 0.54)/(17 - 1) | 0.008125 |
| ND<0.1 U (6/29/2017) | 0.54 (3/12/2013) | (0.1 - 0.54)/(18 - 1) | -0.0258824 |
| ND<0.1 U (8/16/2017) | 0.54 (3/12/2013) | (0.1 - 0.54)/(19 - 1) | -0.0244444 |
| 0.4 (10/25/2017) | 0.54 (3/12/2013) | (0.4 - 0.54)/(20 - 1) | -0.00736842 |
| 0.633 (3/28/2018) | 0.54 (3/12/2013) | (0.633 - 0.54)/(21 - 1) | 0.00465 |
| 0.312 (6/29/2018) | 0.54 (3/12/2013) | (0.312 - 0.54)/(22 - 1) | -0.0108571 |
| 0.296 (8/2/2018) | 0.54 (3/12/2013) | (0.296 - 0.54)/(23 - 1) | -0.0110909 |
| 0.259 (12/10/2018) | 0.54 (3/12/2013) | (0.259 - 0.54)/(24 - 1) | -0.0122174 |
| 0.39 (4/15/2019) | 0.54 (3/12/2013) | (0.39 - 0.54)/(25 - 1) | -0.00625 |
| ND<0.1 U (6/12/2019) | 0.54 (3/12/2013) | (0.1 - 0.54)/(26 - 1) | -0.0176 |
| ND<0.1 U (8/27/2019) | 0.54 (3/12/2013) | (0.1 - 0.54)/(27 - 1) | -0.0169231 |
| 0.129 (10/29/2019) | 0.54 (3/12/2013) | (0.129 - 0.54)/(28 - 1) | -0.0152222 |
| 0.462 (3/30/2020) | 0.54 (3/12/2013) | (0.462 - 0.54)/(29 - 1) | -0.00278571 |
| 0.1 U (6/16/2020) | 0.54 (3/12/2013) | (0.1 - 0.54)/(30 - 1) | -0.0151724 |
| ND<0.1 U (9/21/2020) | 0.54 (3/12/2013) | (0.1 - 0.54)/(31 - 1) | -0.0146667 |
| 0.577 (12/17/2020) | 0.54 (3/12/2013) | (0.577 - 0.54)/(32 - 1) | 0.00119355 |
| 0.263 (3/18/2021) | 0.54 (3/12/2013) | (0.263 - 0.54)/(33 - 1) | -0.00865625 |
| 0.122 (5/5/2021) | 0.54 (3/12/2013) | (0.122 - 0.54)/(34 - 1) | -0.0126667 |
| 0.458 (9/2/2021) | 0.54 (3/12/2013) | (0.458 - 0.54)/(35 - 1) | -0.00241176 |
| ND<0.1 U (11/23/2021) | 0.54 (3/12/2013) | (0.1 - 0.54)/(36 - 1) | -0.0125714 |
| 8.2 (1/11/2022) | 0.54 (3/12/2013) | (8.2 - 0.54)/(37 - 1) | 0.212778 |
| 0.431 (4/7/2022) | 0.54 (3/12/2013) | (0.431 - 0.54)/(38 - 1) | -0.00294595 |
| ND<0.1 U (8/2/2022) | 0.54 (3/12/2013) | (0.1 - 0.54)/(39 - 1) | -0.0115789 |
| ND<0.1 U (11/16/2022) | 0.54 (3/12/2013) | (0.1 - 0.54)/(40 - 1) | -0.0112821 |
| 0.372 (2/14/2023) | 0.54 (3/12/2013) | (0.372 - 0.54)/(41 - 1) | -0.0042 |
| ND<0.05 U (5/25/2023) | 0.54 (3/12/2013) | (0.05 - 0.54)/(42 - 1) | -0.0119512 |
| ND<0.1 U (8/7/2023) | 0.54 (3/12/2013) | (0.1 - 0.54)/(43 - 1) | -0.0104762 |
| 0.172 (12/12/2023) | 0.54 (3/12/2013) | (0.172 - 0.54)/(44 - 1) | -0.00855814 |
| 0.511 (1/10/2024) | 0.54 (3/12/2013) | (0.511 - 0.54)/(45 - 1) | -0.000659091 |
| ND<0.1 U (5/21/2024) | 0.54 (3/12/2013) | (0.1 - 0.54)/(46 - 1) | -0.00977778 |
| ND<0.05 U (9/16/2024) | 0.54 (3/12/2013) | (0.05 - 0.54)/(47 - 1) | -0.0106522 |
| 0.327 (12/11/2024) | 0.54 (3/12/2013) | (0.327 - 0.54)/(48 - 1) | -0.00453191 |
| 0.776 (2/18/2025) | 0.54 (3/12/2013) | (0.776 - 0.54)/(49 - 1) | 0.00491667 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | 0.15 (5/8/2013) | (0.1 - 0.15)/(3 - 2) | -0.05 |
| 0.55 (12/10/2013) | 0.15 (5/8/2013) | (0.55 - 0.15)/(4 - 2) | 0.2 |
| 0.55 (2/6/2014) | 0.15 (5/8/2013) | (0.55 - 0.15)/(5 - 2) | 0.133333 |
| ND<0.1 U (6/26/2014) | 0.15 (5/8/2013) | (0.1 - 0.15)/(6 - 2) | -0.0125 |
| ND<0.1 U (9/30/2014) | 0.15 (5/8/2013) | (0.1 - 0.15)/(7 - 2) | -0.01 |
| 0.74 (11/19/2014) | 0.15 (5/8/2013) | (0.74 - 0.15)/(8 - 2) | 0.0983333 |
| 0.51 (3/23/2015) | 0.15 (5/8/2013) | (0.51 - 0.15)/(9 - 2) | 0.0514286 |
| 0.4 (4/22/2015) | 0.15 (5/8/2013) | (0.4 - 0.15)/(10 - 2) | 0.03125 |
| ND<0.1 U (9/30/2015) | 0.15 (5/8/2013) | (0.1 - 0.15)/(11 - 2) | -0.00555556 |
| 0.4 (11/19/2015) | 0.15 (5/8/2013) | (0.4 - 0.15)/(12 - 2) | 0.025 |
| 0.45 (3/15/2016) | 0.15 (5/8/2013) | (0.45 - 0.15)/(13 - 2) | 0.0272727 |
| ND<0.1 U (6/29/2016) | 0.15 (5/8/2013) | (0.1 - 0.15)/(14 - 2) | -0.00416667 |
| ND<0.1 U (8/9/2016) | 0.15 (5/8/2013) | (0.1 - 0.15)/(15 - 2) | -0.00384615 |
| 0.41 (12/7/2016) | 0.15 (5/8/2013) | (0.41 - 0.15)/(16 - 2) | 0.0185714 |
| 0.67 (3/2/2017) | 0.15 (5/8/2013) | (0.67 - 0.15)/(17 - 2) | 0.0346667 |
| ND<0.1 U (6/29/2017) | 0.15 (5/8/2013) | (0.1 - 0.15)/(18 - 2) | -0.003125 |
| ND<0.1 U (8/16/2017) | 0.15 (5/8/2013) | (0.1 - 0.15)/(19 - 2) | -0.00294118 |
| 0.4 (10/25/2017) | 0.15 (5/8/2013) | (0.4 - 0.15)/(20 - 2) | 0.0138889 |
| 0.633 (3/28/2018) | 0.15 (5/8/2013) | (0.633 - 0.15)/(21 - 2) | 0.0254211 |
| 0.312 (6/29/2018) | 0.15 (5/8/2013) | (0.312 - 0.15)/(22 - 2) | 0.0081 |
| 0.296 (8/2/2018) | 0.15 (5/8/2013) | (0.296 - 0.15)/(23 - 2) | 0.00695238 |
| 0.259 (12/10/2018) | 0.15 (5/8/2013) | (0.259 - 0.15)/(24 - 2) | 0.00495455 |
| 0.39 (4/15/2019) | 0.15 (5/8/2013) | (0.39 - 0.15)/(25 - 2) | 0.0104348 |
| ND<0.1 U (6/12/2019) | 0.15 (5/8/2013) | (0.1 - 0.15)/(26 - 2) | -0.00208333 |
| ND<0.1 U (8/27/2019) | 0.15 (5/8/2013) | (0.1 - 0.15)/(27 - 2) | -0.002 |
| 0.129 (10/29/2019) | 0.15 (5/8/2013) | (0.129 - 0.15)/(28 - 2) | -0.000807692 |
| 0.462 (3/30/2020) | 0.15 (5/8/2013) | (0.462 - 0.15)/(29 - 2) | 0.0115556 |
| 0.1 U (6/16/2020) | 0.15 (5/8/2013) | (0.1 - 0.15)/(30 - 2) | -0.00178571 |
| ND<0.1 U (9/21/2020) | 0.15 (5/8/2013) | (0.1 - 0.15)/(31 - 2) | -0.00172414 |
| 0.577 (12/17/2020) | 0.15 (5/8/2013) | (0.577 - 0.15)/(32 - 2) | 0.0142333 |
| 0.263 (3/18/2021) | 0.15 (5/8/2013) | (0.263 - 0.15)/(33 - 2) | 0.00364516 |
| 0.122 (5/5/2021) | 0.15 (5/8/2013) | (0.122 - 0.15)/(34 - 2) | -0.000875 |
| 0.458 (9/2/2021) | 0.15 (5/8/2013) | (0.458 - 0.15)/(35 - 2) | 0.00933333 |
| ND<0.1 U (11/23/2021) | 0.15 (5/8/2013) | (0.1 - 0.15)/(36 - 2) | -0.00147059 |
| 8.2 (1/11/2022) | 0.15 (5/8/2013) | (8.2 - 0.15)/(37 - 2) | 0.23 |
| 0.431 (4/7/2022) | 0.15 (5/8/2013) | (0.431 - 0.15)/(38 - 2) | 0.00780556 |
| ND<0.1 U (8/2/2022) | 0.15 (5/8/2013) | (0.1 - 0.15)/(39 - 2) | -0.00135135 |
| ND<0.1 U (11/16/2022) | 0.15 (5/8/2013) | (0.1 - 0.15)/(40 - 2) | -0.00131579 |
| 0.372 (2/14/2023) | 0.15 (5/8/2013) | (0.372 - 0.15)/(41 - 2) | 0.00569231 |
| ND<0.05 U (5/25/2023) | 0.15 (5/8/2013) | (0.05 - 0.15)/(42 - 2) | -0.0025 |
| ND<0.1 U (8/7/2023) | 0.15 (5/8/2013) | (0.1 - 0.15)/(43 - 2) | -0.00121951 |
| 0.172 (12/12/2023) | 0.15 (5/8/2013) | (0.172 - 0.15)/(44 - 2) | 0.00052381 |
| 0.511 (1/10/2024) | 0.15 (5/8/2013) | (0.511 - 0.15)/(45 - 2) | 0.00839535 |
| ND<0.1 U (5/21/2024) | 0.15 (5/8/2013) | (0.1 - 0.15)/(46 - 2) | -0.00113636 |
| ND<0.05 U (9/16/2024) | 0.15 (5/8/2013) | (0.05 - 0.15)/(47 - 2) | -0.00222222 |
| 0.327 (12/11/2024) | 0.15 (5/8/2013) | (0.327 - 0.15)/(48 - 2) | 0.00384783 |
| 0.776 (2/18/2025) | 0.15 (5/8/2013) | (0.776 - 0.15)/(49 - 2) | 0.0133191 |

| | | | |
|---|---|---|---|
| 0.55 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.55 - 0.1)/(4 - 3) | 0.45 |
| 0.55 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.55 - 0.1)/(5 - 3) | 0.225 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.74 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.74 - 0.1)/(8 - 3) | 0.128 |
| 0.51 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.51 - 0.1)/(9 - 3) | 0.0683333 |
| 0.4 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.4 - 0.1)/(10 - 3) | 0.0428571 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

| | | | |
|---|---|---|---|
| 0.4 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.4 - 0.1)/(12 - 3) | 0.0333333 |
| 0.45 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.45 - 0.1)/(13 - 3) | 0.035 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.41 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.41 - 0.1)/(16 - 3) | 0.0238462 |
| 0.67 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.67 - 0.1)/(17 - 3) | 0.0407143 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (9/23/2013) | (0.4 - 0.1)/(20 - 3) | 0.0176471 |
| 0.633 (3/28/2018) | ND<0.1 U (9/23/2013) | (0.633 - 0.1)/(21 - 3) | 0.0296111 |
| 0.312 (6/29/2018) | ND<0.1 U (9/23/2013) | (0.312 - 0.1)/(22 - 3) | 0.0111579 |
| 0.296 (8/2/2018) | ND<0.1 U (9/23/2013) | (0.296 - 0.1)/(23 - 3) | 0.0098 |
| 0.259 (12/10/2018) | ND<0.1 U (9/23/2013) | (0.259 - 0.1)/(24 - 3) | 0.00757143 |
| 0.39 (4/15/2019) | ND<0.1 U (9/23/2013) | (0.39 - 0.1)/(25 - 3) | 0.0131818 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (9/23/2013) | (0.129 - 0.1)/(28 - 3) | 0.00116 |
| 0.462 (3/30/2020) | ND<0.1 U (9/23/2013) | (0.462 - 0.1)/(29 - 3) | 0.0139231 |
| 0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.577 - 0.1)/(32 - 3) | 0.0164483 |
| 0.263 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.263 - 0.1)/(33 - 3) | 0.00543333 |
| 0.122 (5/5/2021) | ND<0.1 U (9/23/2013) | (0.122 - 0.1)/(34 - 3) | 0.000709677 |
| 0.458 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.458 - 0.1)/(35 - 3) | 0.0111875 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (9/23/2013) | (8.2 - 0.1)/(37 - 3) | 0.238235 |
| 0.431 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.431 - 0.1)/(38 - 3) | 0.00945714 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (9/23/2013) | (0.372 - 0.1)/(41 - 3) | 0.00715789 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(42 - 3) | -0.00128205 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.172 - 0.1)/(44 - 3) | 0.0017561 |
| 0.511 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.511 - 0.1)/(45 - 3) | 0.00978571 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(46 - 3) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.327 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.327 - 0.1)/(48 - 3) | 0.00504444 |
| 0.776 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.776 - 0.1)/(49 - 3) | 0.0146957 |
| | | | |
| 0.55 (2/6/2014) | 0.55 (12/10/2013) | (0.55 - 0.55)/(5 - 4) | 0 |
| ND<0.1 U (6/26/2014) | 0.55 (12/10/2013) | (0.1 - 0.55)/(6 - 4) | -0.225 |
| ND<0.1 U (9/30/2014) | 0.55 (12/10/2013) | (0.1 - 0.55)/(7 - 4) | -0.15 |
| 0.74 (11/19/2014) | 0.55 (12/10/2013) | (0.74 - 0.55)/(8 - 4) | 0.0475 |
| 0.51 (3/23/2015) | 0.55 (12/10/2013) | (0.51 - 0.55)/(9 - 4) | -0.008 |
| 0.4 (4/22/2015) | 0.55 (12/10/2013) | (0.4 - 0.55)/(10 - 4) | -0.025 |
| ND<0.1 U (9/30/2015) | 0.55 (12/10/2013) | (0.1 - 0.55)/(11 - 4) | -0.0642857 |
| 0.4 (11/19/2015) | 0.55 (12/10/2013) | (0.4 - 0.55)/(12 - 4) | -0.01875 |
| 0.45 (3/15/2016) | 0.55 (12/10/2013) | (0.45 - 0.55)/(13 - 4) | -0.0111111 |
| ND<0.1 U (6/29/2016) | 0.55 (12/10/2013) | (0.1 - 0.55)/(14 - 4) | -0.045 |
| ND<0.1 U (8/9/2016) | 0.55 (12/10/2013) | (0.1 - 0.55)/(15 - 4) | -0.0409091 |
| 0.41 (12/7/2016) | 0.55 (12/10/2013) | (0.41 - 0.55)/(16 - 4) | -0.0116667 |
| 0.67 (3/2/2017) | 0.55 (12/10/2013) | (0.67 - 0.55)/(17 - 4) | 0.00923077 |
| ND<0.1 U (6/29/2017) | 0.55 (12/10/2013) | (0.1 - 0.55)/(18 - 4) | -0.0321429 |
| ND<0.1 U (8/16/2017) | 0.55 (12/10/2013) | (0.1 - 0.55)/(19 - 4) | -0.03 |
| 0.4 (10/25/2017) | 0.55 (12/10/2013) | (0.4 - 0.55)/(20 - 4) | -0.009375 |
| 0.633 (3/28/2018) | 0.55 (12/10/2013) | (0.633 - 0.55)/(21 - 4) | 0.00488235 |
| 0.312 (6/29/2018) | 0.55 (12/10/2013) | (0.312 - 0.55)/(22 - 4) | -0.0132222 |

| | | | |
|---|---|---|---|
| 0.296 (8/2/2018) | 0.55 (12/10/2013) | (0.296 - 0.55)/(23 - 4) | -0.0133684 |
| 0.259 (12/10/2018) | 0.55 (12/10/2013) | (0.259 - 0.55)/(24 - 4) | -0.01455 |
| 0.39 (4/15/2019) | 0.55 (12/10/2013) | (0.39 - 0.55)/(25 - 4) | -0.00761905 |
| ND<0.1 U (6/12/2019) | 0.55 (12/10/2013) | (0.1 - 0.55)/(26 - 4) | -0.0204545 |
| ND<0.1 U (8/27/2019) | 0.55 (12/10/2013) | (0.1 - 0.55)/(27 - 4) | -0.0195652 |
| 0.129 (10/29/2019) | 0.55 (12/10/2013) | (0.129 - 0.55)/(28 - 4) | -0.0175417 |
| 0.462 (3/30/2020) | 0.55 (12/10/2013) | (0.462 - 0.55)/(29 - 4) | -0.00352 |
| 0.1 U (6/16/2020) | 0.55 (12/10/2013) | (0.1 - 0.55)/(30 - 4) | -0.0173077 |
| ND<0.1 U (9/21/2020) | 0.55 (12/10/2013) | (0.1 - 0.55)/(31 - 4) | -0.0166667 |
| 0.577 (12/17/2020) | 0.55 (12/10/2013) | (0.577 - 0.55)/(32 - 4) | 0.000964286 |
| 0.263 (3/18/2021) | 0.55 (12/10/2013) | (0.263 - 0.55)/(33 - 4) | -0.00989655 |
| 0.122 (5/5/2021) | 0.55 (12/10/2013) | (0.122 - 0.55)/(34 - 4) | -0.0142667 |
| 0.458 (9/2/2021) | 0.55 (12/10/2013) | (0.458 - 0.55)/(35 - 4) | -0.00296774 |
| ND<0.1 U (11/23/2021) | 0.55 (12/10/2013) | (0.1 - 0.55)/(36 - 4) | -0.0140625 |
| 8.2 (1/11/2022) | 0.55 (12/10/2013) | (8.2 - 0.55)/(37 - 4) | 0.231818 |
| 0.431 (4/7/2022) | 0.55 (12/10/2013) | (0.431 - 0.55)/(38 - 4) | -0.0035 |
| ND<0.1 U (8/2/2022) | 0.55 (12/10/2013) | (0.1 - 0.55)/(39 - 4) | -0.0128571 |
| ND<0.1 U (11/16/2022) | 0.55 (12/10/2013) | (0.1 - 0.55)/(40 - 4) | -0.0125 |
| 0.372 (2/14/2023) | 0.55 (12/10/2013) | (0.372 - 0.55)/(41 - 4) | -0.00481081 |
| ND<0.05 U (5/25/2023) | 0.55 (12/10/2013) | (0.05 - 0.55)/(42 - 4) | -0.0131579 |
| ND<0.1 U (8/7/2023) | 0.55 (12/10/2013) | (0.1 - 0.55)/(43 - 4) | -0.0115385 |
| 0.172 (12/12/2023) | 0.55 (12/10/2013) | (0.172 - 0.55)/(44 - 4) | -0.00945 |
| 0.511 (1/10/2024) | 0.55 (12/10/2013) | (0.511 - 0.55)/(45 - 4) | -0.00095122 |
| ND<0.1 U (5/21/2024) | 0.55 (12/10/2013) | (0.1 - 0.55)/(46 - 4) | -0.0107143 |
| ND<0.05 U (9/16/2024) | 0.55 (12/10/2013) | (0.05 - 0.55)/(47 - 4) | -0.0116279 |
| 0.327 (12/11/2024) | 0.55 (12/10/2013) | (0.327 - 0.55)/(48 - 4) | -0.00506818 |
| 0.776 (2/18/2025) | 0.55 (12/10/2013) | (0.776 - 0.55)/(49 - 4) | 0.00502222 |
| | | | |
| ND<0.1 U (6/26/2014) | 0.55 (2/6/2014) | (0.1 - 0.55)/(6 - 5) | -0.45 |
| ND<0.1 U (9/30/2014) | 0.55 (2/6/2014) | (0.1 - 0.55)/(7 - 5) | -0.225 |
| 0.74 (11/19/2014) | 0.55 (2/6/2014) | (0.74 - 0.55)/(8 - 5) | 0.0633333 |
| 0.51 (3/23/2015) | 0.55 (2/6/2014) | (0.51 - 0.55)/(9 - 5) | -0.01 |
| 0.4 (4/22/2015) | 0.55 (2/6/2014) | (0.4 - 0.55)/(10 - 5) | -0.03 |
| ND<0.1 U (9/30/2015) | 0.55 (2/6/2014) | (0.1 - 0.55)/(11 - 5) | -0.075 |
| 0.4 (11/19/2015) | 0.55 (2/6/2014) | (0.4 - 0.55)/(12 - 5) | -0.0214286 |
| 0.45 (3/15/2016) | 0.55 (2/6/2014) | (0.45 - 0.55)/(13 - 5) | -0.0125 |
| ND<0.1 U (6/29/2016) | 0.55 (2/6/2014) | (0.1 - 0.55)/(14 - 5) | -0.05 |
| ND<0.1 U (8/9/2016) | 0.55 (2/6/2014) | (0.1 - 0.55)/(15 - 5) | -0.045 |
| 0.41 (12/7/2016) | 0.55 (2/6/2014) | (0.41 - 0.55)/(16 - 5) | -0.0127273 |
| 0.67 (3/2/2017) | 0.55 (2/6/2014) | (0.67 - 0.55)/(17 - 5) | 0.01 |
| ND<0.1 U (6/29/2017) | 0.55 (2/6/2014) | (0.1 - 0.55)/(18 - 5) | -0.0346154 |
| ND<0.1 U (8/16/2017) | 0.55 (2/6/2014) | (0.1 - 0.55)/(19 - 5) | -0.0321429 |
| 0.4 (10/25/2017) | 0.55 (2/6/2014) | (0.4 - 0.55)/(20 - 5) | -0.01 |
| 0.633 (3/28/2018) | 0.55 (2/6/2014) | (0.633 - 0.55)/(21 - 5) | 0.0051875 |
| 0.312 (6/29/2018) | 0.55 (2/6/2014) | (0.312 - 0.55)/(22 - 5) | -0.014 |
| 0.296 (8/2/2018) | 0.55 (2/6/2014) | (0.296 - 0.55)/(23 - 5) | -0.0141111 |
| 0.259 (12/10/2018) | 0.55 (2/6/2014) | (0.259 - 0.55)/(24 - 5) | -0.0153158 |
| 0.39 (4/15/2019) | 0.55 (2/6/2014) | (0.39 - 0.55)/(25 - 5) | -0.008 |
| ND<0.1 U (6/12/2019) | 0.55 (2/6/2014) | (0.1 - 0.55)/(26 - 5) | -0.0214286 |
| ND<0.1 U (8/27/2019) | 0.55 (2/6/2014) | (0.1 - 0.55)/(27 - 5) | -0.0204545 |
| 0.129 (10/29/2019) | 0.55 (2/6/2014) | (0.129 - 0.55)/(28 - 5) | -0.0183043 |
| 0.462 (3/30/2020) | 0.55 (2/6/2014) | (0.462 - 0.55)/(29 - 5) | -0.00366667 |
| 0.1 U (6/16/2020) | 0.55 (2/6/2014) | (0.1 - 0.55)/(30 - 5) | -0.018 |
| ND<0.1 U (9/21/2020) | 0.55 (2/6/2014) | (0.1 - 0.55)/(31 - 5) | -0.0173077 |
| 0.577 (12/17/2020) | 0.55 (2/6/2014) | (0.577 - 0.55)/(32 - 5) | 0.001 |
| 0.263 (3/18/2021) | 0.55 (2/6/2014) | (0.263 - 0.55)/(33 - 5) | -0.01025 |
| 0.122 (5/5/2021) | 0.55 (2/6/2014) | (0.122 - 0.55)/(34 - 5) | -0.0147586 |

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|---|---|---|---|
| 0.458 (9/2/2021) | 0.55 (2/6/2014) | (0.458 - 0.55)/(35 - 5) | -0.00306667 |
| ND<0.1 U (11/23/2021) | 0.55 (2/6/2014) | (0.1 - 0.55)/(36 - 5) | -0.0145161 |
| 8.2 (1/11/2022) | 0.55 (2/6/2014) | (8.2 - 0.55)/(37 - 5) | 0.239062 |
| 0.431 (4/7/2022) | 0.55 (2/6/2014) | (0.431 - 0.55)/(38 - 5) | -0.00360606 |
| ND<0.1 U (8/2/2022) | 0.55 (2/6/2014) | (0.1 - 0.55)/(39 - 5) | -0.0132353 |
| ND<0.1 U (11/16/2022) | 0.55 (2/6/2014) | (0.1 - 0.55)/(40 - 5) | -0.0128571 |
| 0.372 (2/14/2023) | 0.55 (2/6/2014) | (0.372 - 0.55)/(41 - 5) | -0.00494444 |
| ND<0.05 U (5/25/2023) | 0.55 (2/6/2014) | (0.05 - 0.55)/(42 - 5) | -0.0135135 |
| ND<0.1 U (8/7/2023) | 0.55 (2/6/2014) | (0.1 - 0.55)/(43 - 5) | -0.0118421 |
| 0.172 (12/12/2023) | 0.55 (2/6/2014) | (0.172 - 0.55)/(44 - 5) | -0.00969231 |
| 0.511 (1/10/2024) | 0.55 (2/6/2014) | (0.511 - 0.55)/(45 - 5) | -0.000975 |
| ND<0.1 U (5/21/2024) | 0.55 (2/6/2014) | (0.1 - 0.55)/(46 - 5) | -0.0109756 |
| ND<0.05 U (9/16/2024) | 0.55 (2/6/2014) | (0.05 - 0.55)/(47 - 5) | -0.0119048 |
| 0.327 (12/11/2024) | 0.55 (2/6/2014) | (0.327 - 0.55)/(48 - 5) | -0.00518605 |
| 0.776 (2/18/2025) | 0.55 (2/6/2014) | (0.776 - 0.55)/(49 - 5) | 0.00513636 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.74 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.74 - 0.1)/(8 - 6) | 0.32 |
| 0.51 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.51 - 0.1)/(9 - 6) | 0.136667 |
| 0.4 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.4 - 0.1)/(10 - 6) | 0.075 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.4 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.4 - 0.1)/(12 - 6) | 0.05 |
| 0.45 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.45 - 0.1)/(13 - 6) | 0.05 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.41 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.41 - 0.1)/(16 - 6) | 0.031 |
| 0.67 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.67 - 0.1)/(17 - 6) | 0.0518182 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (6/26/2014) | (0.4 - 0.1)/(20 - 6) | 0.0214286 |
| 0.633 (3/28/2018) | ND<0.1 U (6/26/2014) | (0.633 - 0.1)/(21 - 6) | 0.0355333 |
| 0.312 (6/29/2018) | ND<0.1 U (6/26/2014) | (0.312 - 0.1)/(22 - 6) | 0.01325 |
| 0.296 (8/2/2018) | ND<0.1 U (6/26/2014) | (0.296 - 0.1)/(23 - 6) | 0.0115294 |
| 0.259 (12/10/2018) | ND<0.1 U (6/26/2014) | (0.259 - 0.1)/(24 - 6) | 0.00883333 |
| 0.39 (4/15/2019) | ND<0.1 U (6/26/2014) | (0.39 - 0.1)/(25 - 6) | 0.0152632 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (6/26/2014) | (0.129 - 0.1)/(28 - 6) | 0.00131818 |
| 0.462 (3/30/2020) | ND<0.1 U (6/26/2014) | (0.462 - 0.1)/(29 - 6) | 0.0157391 |
| 0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (6/26/2014) | (0.577 - 0.1)/(32 - 6) | 0.0183462 |
| 0.263 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.263 - 0.1)/(33 - 6) | 0.00603704 |
| 0.122 (5/5/2021) | ND<0.1 U (6/26/2014) | (0.122 - 0.1)/(34 - 6) | 0.000785714 |
| 0.458 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.458 - 0.1)/(35 - 6) | 0.0123448 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (6/26/2014) | (8.2 - 0.1)/(37 - 6) | 0.26129 |
| 0.431 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.431 - 0.1)/(38 - 6) | 0.0103437 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (6/26/2014) | (0.372 - 0.1)/(41 - 6) | 0.00777143 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(42 - 6) | -0.00138889 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(43 - 6) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.172 - 0.1)/(44 - 6) | 0.00189474 |
| 0.511 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.511 - 0.1)/(45 - 6) | 0.0105385 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(46 - 6) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(47 - 6) | -0.00121951 |

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|---|---|---|---|
| 0.327 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.327 - 0.1)/(48 - 6) | 0.00540476 |
| 0.776 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.776 - 0.1)/(49 - 6) | 0.0157209 |
| | | | |
| 0.74 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.74 - 0.1)/(8 - 7) | 0.64 |
| 0.51 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.51 - 0.1)/(9 - 7) | 0.205 |
| 0.4 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.4 - 0.1)/(10 - 7) | 0.1 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.4 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.4 - 0.1)/(12 - 7) | 0.06 |
| 0.45 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.45 - 0.1)/(13 - 7) | 0.0583333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.41 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.41 - 0.1)/(16 - 7) | 0.0344444 |
| 0.67 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.67 - 0.1)/(17 - 7) | 0.057 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (9/30/2014) | (0.4 - 0.1)/(20 - 7) | 0.0230769 |
| 0.633 (3/28/2018) | ND<0.1 U (9/30/2014) | (0.633 - 0.1)/(21 - 7) | 0.0380714 |
| 0.312 (6/29/2018) | ND<0.1 U (9/30/2014) | (0.312 - 0.1)/(22 - 7) | 0.0141333 |
| 0.296 (8/2/2018) | ND<0.1 U (9/30/2014) | (0.296 - 0.1)/(23 - 7) | 0.01225 |
| 0.259 (12/10/2018) | ND<0.1 U (9/30/2014) | (0.259 - 0.1)/(24 - 7) | 0.00935294 |
| 0.39 (4/15/2019) | ND<0.1 U (9/30/2014) | (0.39 - 0.1)/(25 - 7) | 0.0161111 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (9/30/2014) | (0.129 - 0.1)/(28 - 7) | 0.00138095 |
| 0.462 (3/30/2020) | ND<0.1 U (9/30/2014) | (0.462 - 0.1)/(29 - 7) | 0.0164545 |
| 0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.577 - 0.1)/(32 - 7) | 0.01908 |
| 0.263 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.263 - 0.1)/(33 - 7) | 0.00626923 |
| 0.122 (5/5/2021) | ND<0.1 U (9/30/2014) | (0.122 - 0.1)/(34 - 7) | 0.000814815 |
| 0.458 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.458 - 0.1)/(35 - 7) | 0.0127857 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (9/30/2014) | (8.2 - 0.1)/(37 - 7) | 0.27 |
| 0.431 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.431 - 0.1)/(38 - 7) | 0.0106774 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (9/30/2014) | (0.372 - 0.1)/(41 - 7) | 0.008 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(42 - 7) | -0.00142857 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.172 - 0.1)/(44 - 7) | 0.00194595 |
| 0.511 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.511 - 0.1)/(45 - 7) | 0.0108158 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(46 - 7) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.327 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.327 - 0.1)/(48 - 7) | 0.00553659 |
| 0.776 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.776 - 0.1)/(49 - 7) | 0.0160952 |
| | | | |
| 0.51 (3/23/2015) | 0.74 (11/19/2014) | (0.51 - 0.74)/(9 - 8) | -0.23 |
| 0.4 (4/22/2015) | 0.74 (11/19/2014) | (0.4 - 0.74)/(10 - 8) | -0.17 |
| ND<0.1 U (9/30/2015) | 0.74 (11/19/2014) | (0.1 - 0.74)/(11 - 8) | -0.213333 |
| 0.4 (11/19/2015) | 0.74 (11/19/2014) | (0.4 - 0.74)/(12 - 8) | -0.085 |
| 0.45 (3/15/2016) | 0.74 (11/19/2014) | (0.45 - 0.74)/(13 - 8) | -0.058 |
| ND<0.1 U (6/29/2016) | 0.74 (11/19/2014) | (0.1 - 0.74)/(14 - 8) | -0.106667 |
| ND<0.1 U (8/9/2016) | 0.74 (11/19/2014) | (0.1 - 0.74)/(15 - 8) | -0.0914286 |
| 0.41 (12/7/2016) | 0.74 (11/19/2014) | (0.41 - 0.74)/(16 - 8) | -0.04125 |
| 0.67 (3/2/2017) | 0.74 (11/19/2014) | (0.67 - 0.74)/(17 - 8) | -0.00777778 |
| ND<0.1 U (6/29/2017) | 0.74 (11/19/2014) | (0.1 - 0.74)/(18 - 8) | -0.064 |
| ND<0.1 U (8/16/2017) | 0.74 (11/19/2014) | (0.1 - 0.74)/(19 - 8) | -0.0581818 |

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|---|---|---|---|
| 0.4 (10/25/2017) | 0.74 (11/19/2014) | (0.4 - 0.74)/(20 - 8) | -0.0283333 |
| 0.633 (3/28/2018) | 0.74 (11/19/2014) | (0.633 - 0.74)/(21 - 8) | -0.00823077 |
| 0.312 (6/29/2018) | 0.74 (11/19/2014) | (0.312 - 0.74)/(22 - 8) | -0.0305714 |
| 0.296 (8/2/2018) | 0.74 (11/19/2014) | (0.296 - 0.74)/(23 - 8) | -0.0296 |
| 0.259 (12/10/2018) | 0.74 (11/19/2014) | (0.259 - 0.74)/(24 - 8) | -0.0300625 |
| 0.39 (4/15/2019) | 0.74 (11/19/2014) | (0.39 - 0.74)/(25 - 8) | -0.0205882 |
| ND<0.1 U (6/12/2019) | 0.74 (11/19/2014) | (0.1 - 0.74)/(26 - 8) | -0.0355556 |
| ND<0.1 U (8/27/2019) | 0.74 (11/19/2014) | (0.1 - 0.74)/(27 - 8) | -0.0336842 |
| 0.129 (10/29/2019) | 0.74 (11/19/2014) | (0.129 - 0.74)/(28 - 8) | -0.03055 |
| 0.462 (3/30/2020) | 0.74 (11/19/2014) | (0.462 - 0.74)/(29 - 8) | -0.0132381 |
| 0.1 U (6/16/2020) | 0.74 (11/19/2014) | (0.1 - 0.74)/(30 - 8) | -0.0290909 |
| ND<0.1 U (9/21/2020) | 0.74 (11/19/2014) | (0.1 - 0.74)/(31 - 8) | -0.0278261 |
| 0.577 (12/17/2020) | 0.74 (11/19/2014) | (0.577 - 0.74)/(32 - 8) | -0.00679167 |
| 0.263 (3/18/2021) | 0.74 (11/19/2014) | (0.263 - 0.74)/(33 - 8) | -0.01908 |
| 0.122 (5/5/2021) | 0.74 (11/19/2014) | (0.122 - 0.74)/(34 - 8) | -0.0237692 |
| 0.458 (9/2/2021) | 0.74 (11/19/2014) | (0.458 - 0.74)/(35 - 8) | -0.0104444 |
| ND<0.1 U (11/23/2021) | 0.74 (11/19/2014) | (0.1 - 0.74)/(36 - 8) | -0.0228571 |
| 8.2 (1/11/2022) | 0.74 (11/19/2014) | (8.2 - 0.74)/(37 - 8) | 0.257241 |
| 0.431 (4/7/2022) | 0.74 (11/19/2014) | (0.431 - 0.74)/(38 - 8) | -0.0103 |
| ND<0.1 U (8/2/2022) | 0.74 (11/19/2014) | (0.1 - 0.74)/(39 - 8) | -0.0206452 |
| ND<0.1 U (11/16/2022) | 0.74 (11/19/2014) | (0.1 - 0.74)/(40 - 8) | -0.02 |
| 0.372 (2/14/2023) | 0.74 (11/19/2014) | (0.372 - 0.74)/(41 - 8) | -0.0111515 |
| ND<0.05 U (5/25/2023) | 0.74 (11/19/2014) | (0.05 - 0.74)/(42 - 8) | -0.0202941 |
| ND<0.1 U (8/7/2023) | 0.74 (11/19/2014) | (0.1 - 0.74)/(43 - 8) | -0.0182857 |
| 0.172 (12/12/2023) | 0.74 (11/19/2014) | (0.172 - 0.74)/(44 - 8) | -0.0157778 |
| 0.511 (1/10/2024) | 0.74 (11/19/2014) | (0.511 - 0.74)/(45 - 8) | -0.00618919 |
| ND<0.1 U (5/21/2024) | 0.74 (11/19/2014) | (0.1 - 0.74)/(46 - 8) | -0.0168421 |
| ND<0.05 U (9/16/2024) | 0.74 (11/19/2014) | (0.05 - 0.74)/(47 - 8) | -0.0176923 |
| 0.327 (12/11/2024) | 0.74 (11/19/2014) | (0.327 - 0.74)/(48 - 8) | -0.010325 |
| 0.776 (2/18/2025) | 0.74 (11/19/2014) | (0.776 - 0.74)/(49 - 8) | 0.000878049 |

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|---|---|---|---|
| 0.4 (4/22/2015) | 0.51 (3/23/2015) | (0.4 - 0.51)/(10 - 9) | -0.11 |
| ND<0.1 U (9/30/2015) | 0.51 (3/23/2015) | (0.1 - 0.51)/(11 - 9) | -0.205 |
| 0.4 (11/19/2015) | 0.51 (3/23/2015) | (0.4 - 0.51)/(12 - 9) | -0.0366667 |
| 0.45 (3/15/2016) | 0.51 (3/23/2015) | (0.45 - 0.51)/(13 - 9) | -0.015 |
| ND<0.1 U (6/29/2016) | 0.51 (3/23/2015) | (0.1 - 0.51)/(14 - 9) | -0.082 |
| ND<0.1 U (8/9/2016) | 0.51 (3/23/2015) | (0.1 - 0.51)/(15 - 9) | -0.0683333 |
| 0.41 (12/7/2016) | 0.51 (3/23/2015) | (0.41 - 0.51)/(16 - 9) | -0.0142857 |
| 0.67 (3/2/2017) | 0.51 (3/23/2015) | (0.67 - 0.51)/(17 - 9) | 0.02 |
| ND<0.1 U (6/29/2017) | 0.51 (3/23/2015) | (0.1 - 0.51)/(18 - 9) | -0.0455556 |
| ND<0.1 U (8/16/2017) | 0.51 (3/23/2015) | (0.1 - 0.51)/(19 - 9) | -0.041 |
| 0.4 (10/25/2017) | 0.51 (3/23/2015) | (0.4 - 0.51)/(20 - 9) | -0.01 |
| 0.633 (3/28/2018) | 0.51 (3/23/2015) | (0.633 - 0.51)/(21 - 9) | 0.01025 |
| 0.312 (6/29/2018) | 0.51 (3/23/2015) | (0.312 - 0.51)/(22 - 9) | -0.0152308 |
| 0.296 (8/2/2018) | 0.51 (3/23/2015) | (0.296 - 0.51)/(23 - 9) | -0.0152857 |
| 0.259 (12/10/2018) | 0.51 (3/23/2015) | (0.259 - 0.51)/(24 - 9) | -0.0167333 |
| 0.39 (4/15/2019) | 0.51 (3/23/2015) | (0.39 - 0.51)/(25 - 9) | -0.0075 |
| ND<0.1 U (6/12/2019) | 0.51 (3/23/2015) | (0.1 - 0.51)/(26 - 9) | -0.0241176 |
| ND<0.1 U (8/27/2019) | 0.51 (3/23/2015) | (0.1 - 0.51)/(27 - 9) | -0.0227778 |
| 0.129 (10/29/2019) | 0.51 (3/23/2015) | (0.129 - 0.51)/(28 - 9) | -0.0200526 |
| 0.462 (3/30/2020) | 0.51 (3/23/2015) | (0.462 - 0.51)/(29 - 9) | -0.0024 |
| 0.1 U (6/16/2020) | 0.51 (3/23/2015) | (0.1 - 0.51)/(30 - 9) | -0.0195238 |
| ND<0.1 U (9/21/2020) | 0.51 (3/23/2015) | (0.1 - 0.51)/(31 - 9) | -0.0186364 |
| 0.577 (12/17/2020) | 0.51 (3/23/2015) | (0.577 - 0.51)/(32 - 9) | 0.00291304 |
| 0.263 (3/18/2021) | 0.51 (3/23/2015) | (0.263 - 0.51)/(33 - 9) | -0.0102917 |
| 0.122 (5/5/2021) | 0.51 (3/23/2015) | (0.122 - 0.51)/(34 - 9) | -0.01552 |
| 0.458 (9/2/2021) | 0.51 (3/23/2015) | (0.458 - 0.51)/(35 - 9) | -0.002 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | 0.51 (3/23/2015) | (0.1 - 0.51)/(36 - 9) | -0.0151852 |
| 8.2 (1/11/2022) | 0.51 (3/23/2015) | (8.2 - 0.51)/(37 - 9) | 0.274643 |
| 0.431 (4/7/2022) | 0.51 (3/23/2015) | (0.431 - 0.51)/(38 - 9) | -0.00272414 |
| ND<0.1 U (8/2/2022) | 0.51 (3/23/2015) | (0.1 - 0.51)/(39 - 9) | -0.0136667 |
| ND<0.1 U (11/16/2022) | 0.51 (3/23/2015) | (0.1 - 0.51)/(40 - 9) | -0.0132258 |
| 0.372 (2/14/2023) | 0.51 (3/23/2015) | (0.372 - 0.51)/(41 - 9) | -0.0043125 |
| ND<0.05 U (5/25/2023) | 0.51 (3/23/2015) | (0.05 - 0.51)/(42 - 9) | -0.0139394 |
| ND<0.1 U (8/7/2023) | 0.51 (3/23/2015) | (0.1 - 0.51)/(43 - 9) | -0.0120588 |
| 0.172 (12/12/2023) | 0.51 (3/23/2015) | (0.172 - 0.51)/(44 - 9) | -0.00965714 |
| 0.511 (1/10/2024) | 0.51 (3/23/2015) | (0.511 - 0.51)/(45 - 9) | 2.77778e-05 |
| ND<0.1 U (5/21/2024) | 0.51 (3/23/2015) | (0.1 - 0.51)/(46 - 9) | -0.0110811 |
| ND<0.05 U (9/16/2024) | 0.51 (3/23/2015) | (0.05 - 0.51)/(47 - 9) | -0.0121053 |
| 0.327 (12/11/2024) | 0.51 (3/23/2015) | (0.327 - 0.51)/(48 - 9) | -0.00469231 |
| 0.776 (2/18/2025) | 0.51 (3/23/2015) | (0.776 - 0.51)/(49 - 9) | 0.00665 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.4 (4/22/2015) | (0.1 - 0.4)/(11 - 10) | -0.3 |
| 0.4 (11/19/2015) | 0.4 (4/22/2015) | (0.4 - 0.4)/(12 - 10) | 0 |
| 0.45 (3/15/2016) | 0.4 (4/22/2015) | (0.45 - 0.4)/(13 - 10) | 0.0166667 |
| ND<0.1 U (6/29/2016) | 0.4 (4/22/2015) | (0.1 - 0.4)/(14 - 10) | -0.075 |
| ND<0.1 U (8/9/2016) | 0.4 (4/22/2015) | (0.1 - 0.4)/(15 - 10) | -0.06 |
| 0.41 (12/7/2016) | 0.4 (4/22/2015) | (0.41 - 0.4)/(16 - 10) | 0.00166667 |
| 0.67 (3/2/2017) | 0.4 (4/22/2015) | (0.67 - 0.4)/(17 - 10) | 0.0385714 |
| ND<0.1 U (6/29/2017) | 0.4 (4/22/2015) | (0.1 - 0.4)/(18 - 10) | -0.0375 |
| ND<0.1 U (8/16/2017) | 0.4 (4/22/2015) | (0.1 - 0.4)/(19 - 10) | -0.0333333 |
| 0.4 (10/25/2017) | 0.4 (4/22/2015) | (0.4 - 0.4)/(20 - 10) | 0 |
| 0.633 (3/28/2018) | 0.4 (4/22/2015) | (0.633 - 0.4)/(21 - 10) | 0.0211818 |
| 0.312 (6/29/2018) | 0.4 (4/22/2015) | (0.312 - 0.4)/(22 - 10) | -0.00733333 |
| 0.296 (8/2/2018) | 0.4 (4/22/2015) | (0.296 - 0.4)/(23 - 10) | -0.008 |
| 0.259 (12/10/2018) | 0.4 (4/22/2015) | (0.259 - 0.4)/(24 - 10) | -0.0100714 |
| 0.39 (4/15/2019) | 0.4 (4/22/2015) | (0.39 - 0.4)/(25 - 10) | -0.000666667 |
| ND<0.1 U (6/12/2019) | 0.4 (4/22/2015) | (0.1 - 0.4)/(26 - 10) | -0.01875 |
| ND<0.1 U (8/27/2019) | 0.4 (4/22/2015) | (0.1 - 0.4)/(27 - 10) | -0.0176471 |
| 0.129 (10/29/2019) | 0.4 (4/22/2015) | (0.129 - 0.4)/(28 - 10) | -0.0150556 |
| 0.462 (3/30/2020) | 0.4 (4/22/2015) | (0.462 - 0.4)/(29 - 10) | 0.00326316 |
| 0.1 U (6/16/2020) | 0.4 (4/22/2015) | (0.1 - 0.4)/(30 - 10) | -0.015 |
| ND<0.1 U (9/21/2020) | 0.4 (4/22/2015) | (0.1 - 0.4)/(31 - 10) | -0.0142857 |
| 0.577 (12/17/2020) | 0.4 (4/22/2015) | (0.577 - 0.4)/(32 - 10) | 0.00804545 |
| 0.263 (3/18/2021) | 0.4 (4/22/2015) | (0.263 - 0.4)/(33 - 10) | -0.00595652 |
| 0.122 (5/5/2021) | 0.4 (4/22/2015) | (0.122 - 0.4)/(34 - 10) | -0.0115833 |
| 0.458 (9/2/2021) | 0.4 (4/22/2015) | (0.458 - 0.4)/(35 - 10) | 0.00232 |
| ND<0.1 U (11/23/2021) | 0.4 (4/22/2015) | (0.1 - 0.4)/(36 - 10) | -0.0115385 |
| 8.2 (1/11/2022) | 0.4 (4/22/2015) | (8.2 - 0.4)/(37 - 10) | 0.288889 |
| 0.431 (4/7/2022) | 0.4 (4/22/2015) | (0.431 - 0.4)/(38 - 10) | 0.00110714 |
| ND<0.1 U (8/2/2022) | 0.4 (4/22/2015) | (0.1 - 0.4)/(39 - 10) | -0.0103448 |
| ND<0.1 U (11/16/2022) | 0.4 (4/22/2015) | (0.1 - 0.4)/(40 - 10) | -0.01 |
| 0.372 (2/14/2023) | 0.4 (4/22/2015) | (0.372 - 0.4)/(41 - 10) | -0.000903226 |
| ND<0.05 U (5/25/2023) | 0.4 (4/22/2015) | (0.05 - 0.4)/(42 - 10) | -0.0109375 |
| ND<0.1 U (8/7/2023) | 0.4 (4/22/2015) | (0.1 - 0.4)/(43 - 10) | -0.00909091 |
| 0.172 (12/12/2023) | 0.4 (4/22/2015) | (0.172 - 0.4)/(44 - 10) | -0.00670588 |
| 0.511 (1/10/2024) | 0.4 (4/22/2015) | (0.511 - 0.4)/(45 - 10) | 0.00317143 |
| ND<0.1 U (5/21/2024) | 0.4 (4/22/2015) | (0.1 - 0.4)/(46 - 10) | -0.00833333 |
| ND<0.05 U (9/16/2024) | 0.4 (4/22/2015) | (0.05 - 0.4)/(47 - 10) | -0.00945946 |
| 0.327 (12/11/2024) | 0.4 (4/22/2015) | (0.327 - 0.4)/(48 - 10) | -0.00192105 |
| 0.776 (2/18/2025) | 0.4 (4/22/2015) | (0.776 - 0.4)/(49 - 10) | 0.00964103 |
| | | | |
| 0.4 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.4 - 0.1)/(12 - 11) | 0.3 |
| 0.45 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.45 - 0.1)/(13 - 11) | 0.175 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.41 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.41 - 0.1)/(16 - 11) | 0.062 |
| 0.67 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.67 - 0.1)/(17 - 11) | 0.095 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (9/30/2015) | (0.4 - 0.1)/(20 - 11) | 0.0333333 |
| 0.633 (3/28/2018) | ND<0.1 U (9/30/2015) | (0.633 - 0.1)/(21 - 11) | 0.0533 |
| 0.312 (6/29/2018) | ND<0.1 U (9/30/2015) | (0.312 - 0.1)/(22 - 11) | 0.0192727 |
| 0.296 (8/2/2018) | ND<0.1 U (9/30/2015) | (0.296 - 0.1)/(23 - 11) | 0.0163333 |
| 0.259 (12/10/2018) | ND<0.1 U (9/30/2015) | (0.259 - 0.1)/(24 - 11) | 0.0122308 |
| 0.39 (4/15/2019) | ND<0.1 U (9/30/2015) | (0.39 - 0.1)/(25 - 11) | 0.0207143 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (9/30/2015) | (0.129 - 0.1)/(28 - 11) | 0.00170588 |
| 0.462 (3/30/2020) | ND<0.1 U (9/30/2015) | (0.462 - 0.1)/(29 - 11) | 0.0201111 |
| 0.1 U (6/16/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.577 - 0.1)/(32 - 11) | 0.0227143 |
| 0.263 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.263 - 0.1)/(33 - 11) | 0.00740909 |
| 0.122 (5/5/2021) | ND<0.1 U (9/30/2015) | (0.122 - 0.1)/(34 - 11) | 0.000956522 |
| 0.458 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.458 - 0.1)/(35 - 11) | 0.0149167 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (9/30/2015) | (8.2 - 0.1)/(37 - 11) | 0.311538 |
| 0.431 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.431 - 0.1)/(38 - 11) | 0.0122593 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (9/30/2015) | (0.372 - 0.1)/(41 - 11) | 0.00906667 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(42 - 11) | -0.0016129 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.172 - 0.1)/(44 - 11) | 0.00218182 |
| 0.511 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.511 - 0.1)/(45 - 11) | 0.0120882 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(46 - 11) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.327 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.327 - 0.1)/(48 - 11) | 0.00613514 |
| 0.776 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.776 - 0.1)/(49 - 11) | 0.0177895 |

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|---|---|---|---|
| 0.45 (3/15/2016) | 0.4 (11/19/2015) | (0.45 - 0.4)/(13 - 12) | 0.05 |
| ND<0.1 U (6/29/2016) | 0.4 (11/19/2015) | (0.1 - 0.4)/(14 - 12) | -0.15 |
| ND<0.1 U (8/9/2016) | 0.4 (11/19/2015) | (0.1 - 0.4)/(15 - 12) | -0.1 |
| 0.41 (12/7/2016) | 0.4 (11/19/2015) | (0.41 - 0.4)/(16 - 12) | 0.0025 |
| 0.67 (3/2/2017) | 0.4 (11/19/2015) | (0.67 - 0.4)/(17 - 12) | 0.054 |
| ND<0.1 U (6/29/2017) | 0.4 (11/19/2015) | (0.1 - 0.4)/(18 - 12) | -0.05 |
| ND<0.1 U (8/16/2017) | 0.4 (11/19/2015) | (0.1 - 0.4)/(19 - 12) | -0.0428571 |
| 0.4 (10/25/2017) | 0.4 (11/19/2015) | (0.4 - 0.4)/(20 - 12) | 0 |
| 0.633 (3/28/2018) | 0.4 (11/19/2015) | (0.633 - 0.4)/(21 - 12) | 0.0258889 |
| 0.312 (6/29/2018) | 0.4 (11/19/2015) | (0.312 - 0.4)/(22 - 12) | -0.0088 |
| 0.296 (8/2/2018) | 0.4 (11/19/2015) | (0.296 - 0.4)/(23 - 12) | -0.00945455 |
| 0.259 (12/10/2018) | 0.4 (11/19/2015) | (0.259 - 0.4)/(24 - 12) | -0.01175 |
| 0.39 (4/15/2019) | 0.4 (11/19/2015) | (0.39 - 0.4)/(25 - 12) | -0.000769231 |
| ND<0.1 U (6/12/2019) | 0.4 (11/19/2015) | (0.1 - 0.4)/(26 - 12) | -0.0214286 |
| ND<0.1 U (8/27/2019) | 0.4 (11/19/2015) | (0.1 - 0.4)/(27 - 12) | -0.02 |
| 0.129 (10/29/2019) | 0.4 (11/19/2015) | (0.129 - 0.4)/(28 - 12) | -0.0169375 |
| 0.462 (3/30/2020) | 0.4 (11/19/2015) | (0.462 - 0.4)/(29 - 12) | 0.00364706 |
| 0.1 U (6/16/2020) | 0.4 (11/19/2015) | (0.1 - 0.4)/(30 - 12) | -0.0166667 |
| ND<0.1 U (9/21/2020) | 0.4 (11/19/2015) | (0.1 - 0.4)/(31 - 12) | -0.0157895 |
| 0.577 (12/17/2020) | 0.4 (11/19/2015) | (0.577 - 0.4)/(32 - 12) | 0.00885 |

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|---|---|---|---|
| 0.263 (3/18/2021) | 0.4 (11/19/2015) | (0.263 - 0.4)/(33 - 12) | -0.00652381 |
| 0.122 (5/5/2021) | 0.4 (11/19/2015) | (0.122 - 0.4)/(34 - 12) | -0.0126364 |
| 0.458 (9/2/2021) | 0.4 (11/19/2015) | (0.458 - 0.4)/(35 - 12) | 0.00252174 |
| ND<0.1 U (11/23/2021) | 0.4 (11/19/2015) | (0.1 - 0.4)/(36 - 12) | -0.0125 |
| 8.2 (1/11/2022) | 0.4 (11/19/2015) | (8.2 - 0.4)/(37 - 12) | 0.312 |
| 0.431 (4/7/2022) | 0.4 (11/19/2015) | (0.431 - 0.4)/(38 - 12) | 0.00119231 |
| ND<0.1 U (8/2/2022) | 0.4 (11/19/2015) | (0.1 - 0.4)/(39 - 12) | -0.0111111 |
| ND<0.1 U (11/16/2022) | 0.4 (11/19/2015) | (0.1 - 0.4)/(40 - 12) | -0.0107143 |
| 0.372 (2/14/2023) | 0.4 (11/19/2015) | (0.372 - 0.4)/(41 - 12) | -0.000965517 |
| ND<0.05 U (5/25/2023) | 0.4 (11/19/2015) | (0.05 - 0.4)/(42 - 12) | -0.0116667 |
| ND<0.1 U (8/7/2023) | 0.4 (11/19/2015) | (0.1 - 0.4)/(43 - 12) | -0.00967742 |
| 0.172 (12/12/2023) | 0.4 (11/19/2015) | (0.172 - 0.4)/(44 - 12) | -0.007125 |
| 0.511 (1/10/2024) | 0.4 (11/19/2015) | (0.511 - 0.4)/(45 - 12) | 0.00336364 |
| ND<0.1 U (5/21/2024) | 0.4 (11/19/2015) | (0.1 - 0.4)/(46 - 12) | -0.00882353 |
| ND<0.05 U (9/16/2024) | 0.4 (11/19/2015) | (0.05 - 0.4)/(47 - 12) | -0.01 |
| 0.327 (12/11/2024) | 0.4 (11/19/2015) | (0.327 - 0.4)/(48 - 12) | -0.00202778 |
| 0.776 (2/18/2025) | 0.4 (11/19/2015) | (0.776 - 0.4)/(49 - 12) | 0.0101622 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.45 (3/15/2016) | (0.1 - 0.45)/(14 - 13) | -0.35 |
| ND<0.1 U (8/9/2016) | 0.45 (3/15/2016) | (0.1 - 0.45)/(15 - 13) | -0.175 |
| 0.41 (12/7/2016) | 0.45 (3/15/2016) | (0.41 - 0.45)/(16 - 13) | -0.0133333 |
| 0.67 (3/2/2017) | 0.45 (3/15/2016) | (0.67 - 0.45)/(17 - 13) | 0.055 |
| ND<0.1 U (6/29/2017) | 0.45 (3/15/2016) | (0.1 - 0.45)/(18 - 13) | -0.07 |
| ND<0.1 U (8/16/2017) | 0.45 (3/15/2016) | (0.1 - 0.45)/(19 - 13) | -0.0583333 |
| 0.4 (10/25/2017) | 0.45 (3/15/2016) | (0.4 - 0.45)/(20 - 13) | -0.00714286 |
| 0.633 (3/28/2018) | 0.45 (3/15/2016) | (0.633 - 0.45)/(21 - 13) | 0.022875 |
| 0.312 (6/29/2018) | 0.45 (3/15/2016) | (0.312 - 0.45)/(22 - 13) | -0.0153333 |
| 0.296 (8/2/2018) | 0.45 (3/15/2016) | (0.296 - 0.45)/(23 - 13) | -0.0154 |
| 0.259 (12/10/2018) | 0.45 (3/15/2016) | (0.259 - 0.45)/(24 - 13) | -0.0173636 |
| 0.39 (4/15/2019) | 0.45 (3/15/2016) | (0.39 - 0.45)/(25 - 13) | -0.005 |
| ND<0.1 U (6/12/2019) | 0.45 (3/15/2016) | (0.1 - 0.45)/(26 - 13) | -0.0269231 |
| ND<0.1 U (8/27/2019) | 0.45 (3/15/2016) | (0.1 - 0.45)/(27 - 13) | -0.025 |
| 0.129 (10/29/2019) | 0.45 (3/15/2016) | (0.129 - 0.45)/(28 - 13) | -0.0214 |
| 0.462 (3/30/2020) | 0.45 (3/15/2016) | (0.462 - 0.45)/(29 - 13) | 0.00075 |
| 0.1 U (6/16/2020) | 0.45 (3/15/2016) | (0.1 - 0.45)/(30 - 13) | -0.0205882 |
| ND<0.1 U (9/21/2020) | 0.45 (3/15/2016) | (0.1 - 0.45)/(31 - 13) | -0.0194444 |
| 0.577 (12/17/2020) | 0.45 (3/15/2016) | (0.577 - 0.45)/(32 - 13) | 0.00668421 |
| 0.263 (3/18/2021) | 0.45 (3/15/2016) | (0.263 - 0.45)/(33 - 13) | -0.00935 |
| 0.122 (5/5/2021) | 0.45 (3/15/2016) | (0.122 - 0.45)/(34 - 13) | -0.015619 |
| 0.458 (9/2/2021) | 0.45 (3/15/2016) | (0.458 - 0.45)/(35 - 13) | 0.000363636 |
| ND<0.1 U (11/23/2021) | 0.45 (3/15/2016) | (0.1 - 0.45)/(36 - 13) | -0.0152174 |
| 8.2 (1/11/2022) | 0.45 (3/15/2016) | (8.2 - 0.45)/(37 - 13) | 0.322917 |
| 0.431 (4/7/2022) | 0.45 (3/15/2016) | (0.431 - 0.45)/(38 - 13) | -0.00076 |
| ND<0.1 U (8/2/2022) | 0.45 (3/15/2016) | (0.1 - 0.45)/(39 - 13) | -0.0134615 |
| ND<0.1 U (11/16/2022) | 0.45 (3/15/2016) | (0.1 - 0.45)/(40 - 13) | -0.012963 |
| 0.372 (2/14/2023) | 0.45 (3/15/2016) | (0.372 - 0.45)/(41 - 13) | -0.00278571 |
| ND<0.05 U (5/25/2023) | 0.45 (3/15/2016) | (0.05 - 0.45)/(42 - 13) | -0.0137931 |
| ND<0.1 U (8/7/2023) | 0.45 (3/15/2016) | (0.1 - 0.45)/(43 - 13) | -0.0116667 |
| 0.172 (12/12/2023) | 0.45 (3/15/2016) | (0.172 - 0.45)/(44 - 13) | -0.00896774 |
| 0.511 (1/10/2024) | 0.45 (3/15/2016) | (0.511 - 0.45)/(45 - 13) | 0.00190625 |
| ND<0.1 U (5/21/2024) | 0.45 (3/15/2016) | (0.1 - 0.45)/(46 - 13) | -0.0106061 |
| ND<0.05 U (9/16/2024) | 0.45 (3/15/2016) | (0.05 - 0.45)/(47 - 13) | -0.0117647 |
| 0.327 (12/11/2024) | 0.45 (3/15/2016) | (0.327 - 0.45)/(48 - 13) | -0.00351429 |
| 0.776 (2/18/2025) | 0.45 (3/15/2016) | (0.776 - 0.45)/(49 - 13) | 0.00905556 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.41 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.41 - 0.1)/(16 - 14) | 0.155 |

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|---|---|---|---|
| 0.67 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.67 - 0.1)/(17 - 14) | 0.19 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (6/29/2016) | (0.4 - 0.1)/(20 - 14) | 0.05 |
| 0.633 (3/28/2018) | ND<0.1 U (6/29/2016) | (0.633 - 0.1)/(21 - 14) | 0.0761429 |
| 0.312 (6/29/2018) | ND<0.1 U (6/29/2016) | (0.312 - 0.1)/(22 - 14) | 0.0265 |
| 0.296 (8/2/2018) | ND<0.1 U (6/29/2016) | (0.296 - 0.1)/(23 - 14) | 0.0217778 |
| 0.259 (12/10/2018) | ND<0.1 U (6/29/2016) | (0.259 - 0.1)/(24 - 14) | 0.0159 |
| 0.39 (4/15/2019) | ND<0.1 U (6/29/2016) | (0.39 - 0.1)/(25 - 14) | 0.0263636 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (6/29/2016) | (0.129 - 0.1)/(28 - 14) | 0.00207143 |
| 0.462 (3/30/2020) | ND<0.1 U (6/29/2016) | (0.462 - 0.1)/(29 - 14) | 0.0241333 |
| 0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.577 - 0.1)/(32 - 14) | 0.0265 |
| 0.263 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.263 - 0.1)/(33 - 14) | 0.00857895 |
| 0.122 (5/5/2021) | ND<0.1 U (6/29/2016) | (0.122 - 0.1)/(34 - 14) | 0.0011 |
| 0.458 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.458 - 0.1)/(35 - 14) | 0.0170476 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (6/29/2016) | (8.2 - 0.1)/(37 - 14) | 0.352174 |
| 0.431 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.431 - 0.1)/(38 - 14) | 0.0137917 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (6/29/2016) | (0.372 - 0.1)/(41 - 14) | 0.0100741 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(42 - 14) | -0.00178571 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.172 - 0.1)/(44 - 14) | 0.0024 |
| 0.511 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.511 - 0.1)/(45 - 14) | 0.0132581 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(46 - 14) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.327 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.327 - 0.1)/(48 - 14) | 0.00667647 |
| 0.776 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.776 - 0.1)/(49 - 14) | 0.0193143 |

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|---|---|---|---|
| 0.41 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.41 - 0.1)/(16 - 15) | 0.31 |
| 0.67 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.67 - 0.1)/(17 - 15) | 0.285 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (8/9/2016) | (0.4 - 0.1)/(20 - 15) | 0.06 |
| 0.633 (3/28/2018) | ND<0.1 U (8/9/2016) | (0.633 - 0.1)/(21 - 15) | 0.0888333 |
| 0.312 (6/29/2018) | ND<0.1 U (8/9/2016) | (0.312 - 0.1)/(22 - 15) | 0.0302857 |
| 0.296 (8/2/2018) | ND<0.1 U (8/9/2016) | (0.296 - 0.1)/(23 - 15) | 0.0245 |
| 0.259 (12/10/2018) | ND<0.1 U (8/9/2016) | (0.259 - 0.1)/(24 - 15) | 0.0176667 |
| 0.39 (4/15/2019) | ND<0.1 U (8/9/2016) | (0.39 - 0.1)/(25 - 15) | 0.029 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (8/9/2016) | (0.129 - 0.1)/(28 - 15) | 0.00223077 |
| 0.462 (3/30/2020) | ND<0.1 U (8/9/2016) | (0.462 - 0.1)/(29 - 15) | 0.0258571 |
| 0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.577 - 0.1)/(32 - 15) | 0.0280588 |
| 0.263 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.263 - 0.1)/(33 - 15) | 0.00905556 |
| 0.122 (5/5/2021) | ND<0.1 U (8/9/2016) | (0.122 - 0.1)/(34 - 15) | 0.00115789 |
| 0.458 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.458 - 0.1)/(35 - 15) | 0.0179 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (8/9/2016) | (8.2 - 0.1)/(37 - 15) | 0.368182 |
| 0.431 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.431 - 0.1)/(38 - 15) | 0.0143913 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (8/9/2016) | (0.372 - 0.1)/(41 - 15) | 0.0104615 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(42 - 15) | -0.00185185 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(43 - 15) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.172 - 0.1)/(44 - 15) | 0.00248276 |
| 0.511 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.511 - 0.1)/(45 - 15) | 0.0137 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(46 - 15) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(47 - 15) | -0.0015625 |
| 0.327 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.327 - 0.1)/(48 - 15) | 0.00687879 |
| 0.776 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.776 - 0.1)/(49 - 15) | 0.0198824 |
| | | | |
| 0.67 (3/2/2017) | 0.41 (12/7/2016) | (0.67 - 0.41)/(17 - 16) | 0.26 |
| ND<0.1 U (6/29/2017) | 0.41 (12/7/2016) | (0.1 - 0.41)/(18 - 16) | -0.155 |
| ND<0.1 U (8/16/2017) | 0.41 (12/7/2016) | (0.1 - 0.41)/(19 - 16) | -0.103333 |
| 0.4 (10/25/2017) | 0.41 (12/7/2016) | (0.4 - 0.41)/(20 - 16) | -0.0025 |
| 0.633 (3/28/2018) | 0.41 (12/7/2016) | (0.633 - 0.41)/(21 - 16) | 0.0446 |
| 0.312 (6/29/2018) | 0.41 (12/7/2016) | (0.312 - 0.41)/(22 - 16) | -0.0163333 |
| 0.296 (8/2/2018) | 0.41 (12/7/2016) | (0.296 - 0.41)/(23 - 16) | -0.0162857 |
| 0.259 (12/10/2018) | 0.41 (12/7/2016) | (0.259 - 0.41)/(24 - 16) | -0.018875 |
| 0.39 (4/15/2019) | 0.41 (12/7/2016) | (0.39 - 0.41)/(25 - 16) | -0.00222222 |
| ND<0.1 U (6/12/2019) | 0.41 (12/7/2016) | (0.1 - 0.41)/(26 - 16) | -0.031 |
| ND<0.1 U (8/27/2019) | 0.41 (12/7/2016) | (0.1 - 0.41)/(27 - 16) | -0.0281818 |
| 0.129 (10/29/2019) | 0.41 (12/7/2016) | (0.129 - 0.41)/(28 - 16) | -0.0234167 |
| 0.462 (3/30/2020) | 0.41 (12/7/2016) | (0.462 - 0.41)/(29 - 16) | 0.004 |
| 0.1 U (6/16/2020) | 0.41 (12/7/2016) | (0.1 - 0.41)/(30 - 16) | -0.0221429 |
| ND<0.1 U (9/21/2020) | 0.41 (12/7/2016) | (0.1 - 0.41)/(31 - 16) | -0.0206667 |
| 0.577 (12/17/2020) | 0.41 (12/7/2016) | (0.577 - 0.41)/(32 - 16) | 0.0104375 |
| 0.263 (3/18/2021) | 0.41 (12/7/2016) | (0.263 - 0.41)/(33 - 16) | -0.00864706 |
| 0.122 (5/5/2021) | 0.41 (12/7/2016) | (0.122 - 0.41)/(34 - 16) | -0.016 |
| 0.458 (9/2/2021) | 0.41 (12/7/2016) | (0.458 - 0.41)/(35 - 16) | 0.00252632 |
| ND<0.1 U (11/23/2021) | 0.41 (12/7/2016) | (0.1 - 0.41)/(36 - 16) | -0.0155 |
| 8.2 (1/11/2022) | 0.41 (12/7/2016) | (8.2 - 0.41)/(37 - 16) | 0.370952 |
| 0.431 (4/7/2022) | 0.41 (12/7/2016) | (0.431 - 0.41)/(38 - 16) | 0.000954545 |
| ND<0.1 U (8/2/2022) | 0.41 (12/7/2016) | (0.1 - 0.41)/(39 - 16) | -0.0134783 |
| ND<0.1 U (11/16/2022) | 0.41 (12/7/2016) | (0.1 - 0.41)/(40 - 16) | -0.0129167 |
| 0.372 (2/14/2023) | 0.41 (12/7/2016) | (0.372 - 0.41)/(41 - 16) | -0.00152 |
| ND<0.05 U (5/25/2023) | 0.41 (12/7/2016) | (0.05 - 0.41)/(42 - 16) | -0.0138462 |
| ND<0.1 U (8/7/2023) | 0.41 (12/7/2016) | (0.1 - 0.41)/(43 - 16) | -0.0114815 |
| 0.172 (12/12/2023) | 0.41 (12/7/2016) | (0.172 - 0.41)/(44 - 16) | -0.0085 |
| 0.511 (1/10/2024) | 0.41 (12/7/2016) | (0.511 - 0.41)/(45 - 16) | 0.00348276 |
| ND<0.1 U (5/21/2024) | 0.41 (12/7/2016) | (0.1 - 0.41)/(46 - 16) | -0.0103333 |
| ND<0.05 U (9/16/2024) | 0.41 (12/7/2016) | (0.05 - 0.41)/(47 - 16) | -0.0116129 |
| 0.327 (12/11/2024) | 0.41 (12/7/2016) | (0.327 - 0.41)/(48 - 16) | -0.00259375 |
| 0.776 (2/18/2025) | 0.41 (12/7/2016) | (0.776 - 0.41)/(49 - 16) | 0.0110909 |
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| ND<0.1 U (6/29/2017) | 0.67 (3/2/2017) | (0.1 - 0.67)/(18 - 17) | -0.57 |
| ND<0.1 U (8/16/2017) | 0.67 (3/2/2017) | (0.1 - 0.67)/(19 - 17) | -0.285 |
| 0.4 (10/25/2017) | 0.67 (3/2/2017) | (0.4 - 0.67)/(20 - 17) | -0.09 |
| 0.633 (3/28/2018) | 0.67 (3/2/2017) | (0.633 - 0.67)/(21 - 17) | -0.00925 |
| 0.312 (6/29/2018) | 0.67 (3/2/2017) | (0.312 - 0.67)/(22 - 17) | -0.0716 |
| 0.296 (8/2/2018) | 0.67 (3/2/2017) | (0.296 - 0.67)/(23 - 17) | -0.0623333 |
| 0.259 (12/10/2018) | 0.67 (3/2/2017) | (0.259 - 0.67)/(24 - 17) | -0.0587143 |
| 0.39 (4/15/2019) | 0.67 (3/2/2017) | (0.39 - 0.67)/(25 - 17) | -0.035 |
| ND<0.1 U (6/12/2019) | 0.67 (3/2/2017) | (0.1 - 0.67)/(26 - 17) | -0.0633333 |
| ND<0.1 U (8/27/2019) | 0.67 (3/2/2017) | (0.1 - 0.67)/(27 - 17) | -0.057 |
| 0.129 (10/29/2019) | 0.67 (3/2/2017) | (0.129 - 0.67)/(28 - 17) | -0.0491818 |

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|---|---|---|---|
| 0.462 (3/30/2020) | 0.67 (3/2/2017) | (0.462 - 0.67)/(29 - 17) | -0.0173333 |
| 0.1 U (6/16/2020) | 0.67 (3/2/2017) | (0.1 - 0.67)/(30 - 17) | -0.0438462 |
| ND<0.1 U (9/21/2020) | 0.67 (3/2/2017) | (0.1 - 0.67)/(31 - 17) | -0.0407143 |
| 0.577 (12/17/2020) | 0.67 (3/2/2017) | (0.577 - 0.67)/(32 - 17) | -0.0062 |
| 0.263 (3/18/2021) | 0.67 (3/2/2017) | (0.263 - 0.67)/(33 - 17) | -0.0254375 |
| 0.122 (5/5/2021) | 0.67 (3/2/2017) | (0.122 - 0.67)/(34 - 17) | -0.0322353 |
| 0.458 (9/2/2021) | 0.67 (3/2/2017) | (0.458 - 0.67)/(35 - 17) | -0.0117778 |
| ND<0.1 U (11/23/2021) | 0.67 (3/2/2017) | (0.1 - 0.67)/(36 - 17) | -0.03 |
| 8.2 (1/11/2022) | 0.67 (3/2/2017) | (8.2 - 0.67)/(37 - 17) | 0.3765 |
| 0.431 (4/7/2022) | 0.67 (3/2/2017) | (0.431 - 0.67)/(38 - 17) | -0.011381 |
| ND<0.1 U (8/2/2022) | 0.67 (3/2/2017) | (0.1 - 0.67)/(39 - 17) | -0.0259091 |
| ND<0.1 U (11/16/2022) | 0.67 (3/2/2017) | (0.1 - 0.67)/(40 - 17) | -0.0247826 |
| 0.372 (2/14/2023) | 0.67 (3/2/2017) | (0.372 - 0.67)/(41 - 17) | -0.0124167 |
| ND<0.05 U (5/25/2023) | 0.67 (3/2/2017) | (0.05 - 0.67)/(42 - 17) | -0.0248 |
| ND<0.1 U (8/7/2023) | 0.67 (3/2/2017) | (0.1 - 0.67)/(43 - 17) | -0.0219231 |
| 0.172 (12/12/2023) | 0.67 (3/2/2017) | (0.172 - 0.67)/(44 - 17) | -0.0184444 |
| 0.511 (1/10/2024) | 0.67 (3/2/2017) | (0.511 - 0.67)/(45 - 17) | -0.00567857 |
| ND<0.1 U (5/21/2024) | 0.67 (3/2/2017) | (0.1 - 0.67)/(46 - 17) | -0.0196552 |
| ND<0.05 U (9/16/2024) | 0.67 (3/2/2017) | (0.05 - 0.67)/(47 - 17) | -0.0206667 |
| 0.327 (12/11/2024) | 0.67 (3/2/2017) | (0.327 - 0.67)/(48 - 17) | -0.0110645 |
| 0.776 (2/18/2025) | 0.67 (3/2/2017) | (0.776 - 0.67)/(49 - 17) | 0.0033125 |

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|---|---|---|---|
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| 0.4 (10/25/2017) | ND<0.1 U (6/29/2017) | (0.4 - 0.1)/(20 - 18) | 0.15 |
| 0.633 (3/28/2018) | ND<0.1 U (6/29/2017) | (0.633 - 0.1)/(21 - 18) | 0.177667 |
| 0.312 (6/29/2018) | ND<0.1 U (6/29/2017) | (0.312 - 0.1)/(22 - 18) | 0.053 |
| 0.296 (8/2/2018) | ND<0.1 U (6/29/2017) | (0.296 - 0.1)/(23 - 18) | 0.0392 |
| 0.259 (12/10/2018) | ND<0.1 U (6/29/2017) | (0.259 - 0.1)/(24 - 18) | 0.0265 |
| 0.39 (4/15/2019) | ND<0.1 U (6/29/2017) | (0.39 - 0.1)/(25 - 18) | 0.0414286 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (6/29/2017) | (0.129 - 0.1)/(28 - 18) | 0.0029 |
| 0.462 (3/30/2020) | ND<0.1 U (6/29/2017) | (0.462 - 0.1)/(29 - 18) | 0.0329091 |
| 0.1 U (6/16/2020) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (6/29/2017) | (0.577 - 0.1)/(32 - 18) | 0.0340714 |
| 0.263 (3/18/2021) | ND<0.1 U (6/29/2017) | (0.263 - 0.1)/(33 - 18) | 0.0108667 |
| 0.122 (5/5/2021) | ND<0.1 U (6/29/2017) | (0.122 - 0.1)/(34 - 18) | 0.001375 |
| 0.458 (9/2/2021) | ND<0.1 U (6/29/2017) | (0.458 - 0.1)/(35 - 18) | 0.0210588 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (6/29/2017) | (8.2 - 0.1)/(37 - 18) | 0.426316 |
| 0.431 (4/7/2022) | ND<0.1 U (6/29/2017) | (0.431 - 0.1)/(38 - 18) | 0.01655 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (6/29/2017) | (0.372 - 0.1)/(41 - 18) | 0.0118261 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2017) | (0.05 - 0.1)/(42 - 18) | -0.00208333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(43 - 18) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (6/29/2017) | (0.172 - 0.1)/(44 - 18) | 0.00276923 |
| 0.511 (1/10/2024) | ND<0.1 U (6/29/2017) | (0.511 - 0.1)/(45 - 18) | 0.0152222 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(46 - 18) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2017) | (0.05 - 0.1)/(47 - 18) | -0.00172414 |
| 0.327 (12/11/2024) | ND<0.1 U (6/29/2017) | (0.327 - 0.1)/(48 - 18) | 0.00756667 |
| 0.776 (2/18/2025) | ND<0.1 U (6/29/2017) | (0.776 - 0.1)/(49 - 18) | 0.0218065 |

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|---|---|---|---|
| 0.4 (10/25/2017) | ND<0.1 U (8/16/2017) | (0.4 - 0.1)/(20 - 19) | 0.3 |
| 0.633 (3/28/2018) | ND<0.1 U (8/16/2017) | (0.633 - 0.1)/(21 - 19) | 0.2665 |
| 0.312 (6/29/2018) | ND<0.1 U (8/16/2017) | (0.312 - 0.1)/(22 - 19) | 0.0706667 |

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|---|---|---|---|
| 0.296 (8/2/2018) | ND<0.1 U (8/16/2017) | (0.296 - 0.1)/(23 - 19) | 0.049 |
| 0.259 (12/10/2018) | ND<0.1 U (8/16/2017) | (0.259 - 0.1)/(24 - 19) | 0.0318 |
| 0.39 (4/15/2019) | ND<0.1 U (8/16/2017) | (0.39 - 0.1)/(25 - 19) | 0.0483333 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (8/16/2017) | (0.129 - 0.1)/(28 - 19) | 0.00322222 |
| 0.462 (3/30/2020) | ND<0.1 U (8/16/2017) | (0.462 - 0.1)/(29 - 19) | 0.0362 |
| 0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (8/16/2017) | (0.577 - 0.1)/(32 - 19) | 0.0366923 |
| 0.263 (3/18/2021) | ND<0.1 U (8/16/2017) | (0.263 - 0.1)/(33 - 19) | 0.0116429 |
| 0.122 (5/5/2021) | ND<0.1 U (8/16/2017) | (0.122 - 0.1)/(34 - 19) | 0.00146667 |
| 0.458 (9/2/2021) | ND<0.1 U (8/16/2017) | (0.458 - 0.1)/(35 - 19) | 0.022375 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (8/16/2017) | (8.2 - 0.1)/(37 - 19) | 0.45 |
| 0.431 (4/7/2022) | ND<0.1 U (8/16/2017) | (0.431 - 0.1)/(38 - 19) | 0.0174211 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (8/16/2017) | (0.372 - 0.1)/(41 - 19) | 0.0123636 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(42 - 19) | -0.00217391 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(43 - 19) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (8/16/2017) | (0.172 - 0.1)/(44 - 19) | 0.00288 |
| 0.511 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.511 - 0.1)/(45 - 19) | 0.0158077 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(46 - 19) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(47 - 19) | -0.00178571 |
| 0.327 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.327 - 0.1)/(48 - 19) | 0.00782759 |
| 0.776 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.776 - 0.1)/(49 - 19) | 0.0225333 |

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|---|---|---|---|
| 0.633 (3/28/2018) | 0.4 (10/25/2017) | (0.633 - 0.4)/(21 - 20) | 0.233 |
| 0.312 (6/29/2018) | 0.4 (10/25/2017) | (0.312 - 0.4)/(22 - 20) | -0.044 |
| 0.296 (8/2/2018) | 0.4 (10/25/2017) | (0.296 - 0.4)/(23 - 20) | -0.0346667 |
| 0.259 (12/10/2018) | 0.4 (10/25/2017) | (0.259 - 0.4)/(24 - 20) | -0.03525 |
| 0.39 (4/15/2019) | 0.4 (10/25/2017) | (0.39 - 0.4)/(25 - 20) | -0.002 |
| ND<0.1 U (6/12/2019) | 0.4 (10/25/2017) | (0.1 - 0.4)/(26 - 20) | -0.05 |
| ND<0.1 U (8/27/2019) | 0.4 (10/25/2017) | (0.1 - 0.4)/(27 - 20) | -0.0428571 |
| 0.129 (10/29/2019) | 0.4 (10/25/2017) | (0.129 - 0.4)/(28 - 20) | -0.033875 |
| 0.462 (3/30/2020) | 0.4 (10/25/2017) | (0.462 - 0.4)/(29 - 20) | 0.00688889 |
| 0.1 U (6/16/2020) | 0.4 (10/25/2017) | (0.1 - 0.4)/(30 - 20) | -0.03 |
| ND<0.1 U (9/21/2020) | 0.4 (10/25/2017) | (0.1 - 0.4)/(31 - 20) | -0.0272727 |
| 0.577 (12/17/2020) | 0.4 (10/25/2017) | (0.577 - 0.4)/(32 - 20) | 0.01475 |
| 0.263 (3/18/2021) | 0.4 (10/25/2017) | (0.263 - 0.4)/(33 - 20) | -0.0105385 |
| 0.122 (5/5/2021) | 0.4 (10/25/2017) | (0.122 - 0.4)/(34 - 20) | -0.0198571 |
| 0.458 (9/2/2021) | 0.4 (10/25/2017) | (0.458 - 0.4)/(35 - 20) | 0.00386667 |
| ND<0.1 U (11/23/2021) | 0.4 (10/25/2017) | (0.1 - 0.4)/(36 - 20) | -0.01875 |
| 8.2 (1/11/2022) | 0.4 (10/25/2017) | (8.2 - 0.4)/(37 - 20) | 0.458824 |
| 0.431 (4/7/2022) | 0.4 (10/25/2017) | (0.431 - 0.4)/(38 - 20) | 0.00172222 |
| ND<0.1 U (8/2/2022) | 0.4 (10/25/2017) | (0.1 - 0.4)/(39 - 20) | -0.0157895 |
| ND<0.1 U (11/16/2022) | 0.4 (10/25/2017) | (0.1 - 0.4)/(40 - 20) | -0.015 |
| 0.372 (2/14/2023) | 0.4 (10/25/2017) | (0.372 - 0.4)/(41 - 20) | -0.00133333 |
| ND<0.05 U (5/25/2023) | 0.4 (10/25/2017) | (0.05 - 0.4)/(42 - 20) | -0.0159091 |
| ND<0.1 U (8/7/2023) | 0.4 (10/25/2017) | (0.1 - 0.4)/(43 - 20) | -0.0130435 |
| 0.172 (12/12/2023) | 0.4 (10/25/2017) | (0.172 - 0.4)/(44 - 20) | -0.0095 |
| 0.511 (1/10/2024) | 0.4 (10/25/2017) | (0.511 - 0.4)/(45 - 20) | 0.00444 |
| ND<0.1 U (5/21/2024) | 0.4 (10/25/2017) | (0.1 - 0.4)/(46 - 20) | -0.0115385 |
| ND<0.05 U (9/16/2024) | 0.4 (10/25/2017) | (0.05 - 0.4)/(47 - 20) | -0.012963 |
| 0.327 (12/11/2024) | 0.4 (10/25/2017) | (0.327 - 0.4)/(48 - 20) | -0.00260714 |
| 0.776 (2/18/2025) | 0.4 (10/25/2017) | (0.776 - 0.4)/(49 - 20) | 0.0129655 |

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|---|---|---|---|
| 0.312 (6/29/2018) | 0.633 (3/28/2018) | (0.312 - 0.633)/(22 - 21) | -0.321 |
| 0.296 (8/2/2018) | 0.633 (3/28/2018) | (0.296 - 0.633)/(23 - 21) | -0.1685 |
| 0.259 (12/10/2018) | 0.633 (3/28/2018) | (0.259 - 0.633)/(24 - 21) | -0.124667 |
| 0.39 (4/15/2019) | 0.633 (3/28/2018) | (0.39 - 0.633)/(25 - 21) | -0.06075 |
| ND<0.1 U (6/12/2019) | 0.633 (3/28/2018) | (0.1 - 0.633)/(26 - 21) | -0.1066 |
| ND<0.1 U (8/27/2019) | 0.633 (3/28/2018) | (0.1 - 0.633)/(27 - 21) | -0.0888333 |
| 0.129 (10/29/2019) | 0.633 (3/28/2018) | (0.129 - 0.633)/(28 - 21) | -0.072 |
| 0.462 (3/30/2020) | 0.633 (3/28/2018) | (0.462 - 0.633)/(29 - 21) | -0.021375 |
| 0.1 U (6/16/2020) | 0.633 (3/28/2018) | (0.1 - 0.633)/(30 - 21) | -0.0592222 |
| ND<0.1 U (9/21/2020) | 0.633 (3/28/2018) | (0.1 - 0.633)/(31 - 21) | -0.0533 |
| 0.577 (12/17/2020) | 0.633 (3/28/2018) | (0.577 - 0.633)/(32 - 21) | -0.00509091 |
| 0.263 (3/18/2021) | 0.633 (3/28/2018) | (0.263 - 0.633)/(33 - 21) | -0.0308333 |
| 0.122 (5/5/2021) | 0.633 (3/28/2018) | (0.122 - 0.633)/(34 - 21) | -0.0393077 |
| 0.458 (9/2/2021) | 0.633 (3/28/2018) | (0.458 - 0.633)/(35 - 21) | -0.0125 |
| ND<0.1 U (11/23/2021) | 0.633 (3/28/2018) | (0.1 - 0.633)/(36 - 21) | -0.0355333 |
| 8.2 (1/11/2022) | 0.633 (3/28/2018) | (8.2 - 0.633)/(37 - 21) | 0.472937 |
| 0.431 (4/7/2022) | 0.633 (3/28/2018) | (0.431 - 0.633)/(38 - 21) | -0.0118824 |
| ND<0.1 U (8/2/2022) | 0.633 (3/28/2018) | (0.1 - 0.633)/(39 - 21) | -0.0296111 |
| ND<0.1 U (11/16/2022) | 0.633 (3/28/2018) | (0.1 - 0.633)/(40 - 21) | -0.0280526 |
| 0.372 (2/14/2023) | 0.633 (3/28/2018) | (0.372 - 0.633)/(41 - 21) | -0.01305 |
| ND<0.05 U (5/25/2023) | 0.633 (3/28/2018) | (0.05 - 0.633)/(42 - 21) | -0.0277619 |
| ND<0.1 U (8/7/2023) | 0.633 (3/28/2018) | (0.1 - 0.633)/(43 - 21) | -0.0242273 |
| 0.172 (12/12/2023) | 0.633 (3/28/2018) | (0.172 - 0.633)/(44 - 21) | -0.0200435 |
| 0.511 (1/10/2024) | 0.633 (3/28/2018) | (0.511 - 0.633)/(45 - 21) | -0.00508333 |
| ND<0.1 U (5/21/2024) | 0.633 (3/28/2018) | (0.1 - 0.633)/(46 - 21) | -0.02132 |
| ND<0.05 U (9/16/2024) | 0.633 (3/28/2018) | (0.05 - 0.633)/(47 - 21) | -0.0224231 |
| 0.327 (12/11/2024) | 0.633 (3/28/2018) | (0.327 - 0.633)/(48 - 21) | -0.0113333 |
| 0.776 (2/18/2025) | 0.633 (3/28/2018) | (0.776 - 0.633)/(49 - 21) | 0.00510714 |
| | | | |
| 0.296 (8/2/2018) | 0.312 (6/29/2018) | (0.296 - 0.312)/(23 - 22) | -0.016 |
| 0.259 (12/10/2018) | 0.312 (6/29/2018) | (0.259 - 0.312)/(24 - 22) | -0.0265 |
| 0.39 (4/15/2019) | 0.312 (6/29/2018) | (0.39 - 0.312)/(25 - 22) | 0.026 |
| ND<0.1 U (6/12/2019) | 0.312 (6/29/2018) | (0.1 - 0.312)/(26 - 22) | -0.053 |
| ND<0.1 U (8/27/2019) | 0.312 (6/29/2018) | (0.1 - 0.312)/(27 - 22) | -0.0424 |
| 0.129 (10/29/2019) | 0.312 (6/29/2018) | (0.129 - 0.312)/(28 - 22) | -0.0305 |
| 0.462 (3/30/2020) | 0.312 (6/29/2018) | (0.462 - 0.312)/(29 - 22) | 0.0214286 |
| 0.1 U (6/16/2020) | 0.312 (6/29/2018) | (0.1 - 0.312)/(30 - 22) | -0.0265 |
| ND<0.1 U (9/21/2020) | 0.312 (6/29/2018) | (0.1 - 0.312)/(31 - 22) | -0.0235556 |
| 0.577 (12/17/2020) | 0.312 (6/29/2018) | (0.577 - 0.312)/(32 - 22) | 0.0265 |
| 0.263 (3/18/2021) | 0.312 (6/29/2018) | (0.263 - 0.312)/(33 - 22) | -0.00445455 |
| 0.122 (5/5/2021) | 0.312 (6/29/2018) | (0.122 - 0.312)/(34 - 22) | -0.0158333 |
| 0.458 (9/2/2021) | 0.312 (6/29/2018) | (0.458 - 0.312)/(35 - 22) | 0.0112308 |
| ND<0.1 U (11/23/2021) | 0.312 (6/29/2018) | (0.1 - 0.312)/(36 - 22) | -0.0151429 |
| 8.2 (1/11/2022) | 0.312 (6/29/2018) | (8.2 - 0.312)/(37 - 22) | 0.525867 |
| 0.431 (4/7/2022) | 0.312 (6/29/2018) | (0.431 - 0.312)/(38 - 22) | 0.0074375 |
| ND<0.1 U (8/2/2022) | 0.312 (6/29/2018) | (0.1 - 0.312)/(39 - 22) | -0.0124706 |
| ND<0.1 U (11/16/2022) | 0.312 (6/29/2018) | (0.1 - 0.312)/(40 - 22) | -0.0117778 |
| 0.372 (2/14/2023) | 0.312 (6/29/2018) | (0.372 - 0.312)/(41 - 22) | 0.00315789 |
| ND<0.05 U (5/25/2023) | 0.312 (6/29/2018) | (0.05 - 0.312)/(42 - 22) | -0.0131 |
| ND<0.1 U (8/7/2023) | 0.312 (6/29/2018) | (0.1 - 0.312)/(43 - 22) | -0.0100952 |
| 0.172 (12/12/2023) | 0.312 (6/29/2018) | (0.172 - 0.312)/(44 - 22) | -0.00636364 |
| 0.511 (1/10/2024) | 0.312 (6/29/2018) | (0.511 - 0.312)/(45 - 22) | 0.00865217 |
| ND<0.1 U (5/21/2024) | 0.312 (6/29/2018) | (0.1 - 0.312)/(46 - 22) | -0.00883333 |
| ND<0.05 U (9/16/2024) | 0.312 (6/29/2018) | (0.05 - 0.312)/(47 - 22) | -0.01048 |
| 0.327 (12/11/2024) | 0.312 (6/29/2018) | (0.327 - 0.312)/(48 - 22) | 0.000576923 |
| 0.776 (2/18/2025) | 0.312 (6/29/2018) | (0.776 - 0.312)/(49 - 22) | 0.0171852 |

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|---|---|---|---|
| 0.259 (12/10/2018) | 0.296 (8/2/2018) | (0.259 - 0.296)/(24 - 23) | -0.037 |
| 0.39 (4/15/2019) | 0.296 (8/2/2018) | (0.39 - 0.296)/(25 - 23) | 0.047 |
| ND<0.1 U (6/12/2019) | 0.296 (8/2/2018) | (0.1 - 0.296)/(26 - 23) | -0.0653333 |
| ND<0.1 U (8/27/2019) | 0.296 (8/2/2018) | (0.1 - 0.296)/(27 - 23) | -0.049 |
| 0.129 (10/29/2019) | 0.296 (8/2/2018) | (0.129 - 0.296)/(28 - 23) | -0.0334 |
| 0.462 (3/30/2020) | 0.296 (8/2/2018) | (0.462 - 0.296)/(29 - 23) | 0.0276667 |
| 0.1 U (6/16/2020) | 0.296 (8/2/2018) | (0.1 - 0.296)/(30 - 23) | -0.028 |
| ND<0.1 U (9/21/2020) | 0.296 (8/2/2018) | (0.1 - 0.296)/(31 - 23) | -0.0245 |
| 0.577 (12/17/2020) | 0.296 (8/2/2018) | (0.577 - 0.296)/(32 - 23) | 0.0312222 |
| 0.263 (3/18/2021) | 0.296 (8/2/2018) | (0.263 - 0.296)/(33 - 23) | -0.0033 |
| 0.122 (5/5/2021) | 0.296 (8/2/2018) | (0.122 - 0.296)/(34 - 23) | -0.0158182 |
| 0.458 (9/2/2021) | 0.296 (8/2/2018) | (0.458 - 0.296)/(35 - 23) | 0.0135 |
| ND<0.1 U (11/23/2021) | 0.296 (8/2/2018) | (0.1 - 0.296)/(36 - 23) | -0.0150769 |
| 8.2 (1/11/2022) | 0.296 (8/2/2018) | (8.2 - 0.296)/(37 - 23) | 0.564571 |
| 0.431 (4/7/2022) | 0.296 (8/2/2018) | (0.431 - 0.296)/(38 - 23) | 0.009 |
| ND<0.1 U (8/2/2022) | 0.296 (8/2/2018) | (0.1 - 0.296)/(39 - 23) | -0.01225 |
| ND<0.1 U (11/16/2022) | 0.296 (8/2/2018) | (0.1 - 0.296)/(40 - 23) | -0.0115294 |
| 0.372 (2/14/2023) | 0.296 (8/2/2018) | (0.372 - 0.296)/(41 - 23) | 0.00422222 |
| ND<0.05 U (5/25/2023) | 0.296 (8/2/2018) | (0.05 - 0.296)/(42 - 23) | -0.0129474 |
| ND<0.1 U (8/7/2023) | 0.296 (8/2/2018) | (0.1 - 0.296)/(43 - 23) | -0.0098 |
| 0.172 (12/12/2023) | 0.296 (8/2/2018) | (0.172 - 0.296)/(44 - 23) | -0.00590476 |
| 0.511 (1/10/2024) | 0.296 (8/2/2018) | (0.511 - 0.296)/(45 - 23) | 0.00977273 |
| ND<0.1 U (5/21/2024) | 0.296 (8/2/2018) | (0.1 - 0.296)/(46 - 23) | -0.00852174 |
| ND<0.05 U (9/16/2024) | 0.296 (8/2/2018) | (0.05 - 0.296)/(47 - 23) | -0.01025 |
| 0.327 (12/11/2024) | 0.296 (8/2/2018) | (0.327 - 0.296)/(48 - 23) | 0.00124 |
| 0.776 (2/18/2025) | 0.296 (8/2/2018) | (0.776 - 0.296)/(49 - 23) | 0.0184615 |
| | | | |
| 0.39 (4/15/2019) | 0.259 (12/10/2018) | (0.39 - 0.259)/(25 - 24) | 0.131 |
| ND<0.1 U (6/12/2019) | 0.259 (12/10/2018) | (0.1 - 0.259)/(26 - 24) | -0.0795 |
| ND<0.1 U (8/27/2019) | 0.259 (12/10/2018) | (0.1 - 0.259)/(27 - 24) | -0.053 |
| 0.129 (10/29/2019) | 0.259 (12/10/2018) | (0.129 - 0.259)/(28 - 24) | -0.0325 |
| 0.462 (3/30/2020) | 0.259 (12/10/2018) | (0.462 - 0.259)/(29 - 24) | 0.0406 |
| 0.1 U (6/16/2020) | 0.259 (12/10/2018) | (0.1 - 0.259)/(30 - 24) | -0.0265 |
| ND<0.1 U (9/21/2020) | 0.259 (12/10/2018) | (0.1 - 0.259)/(31 - 24) | -0.0227143 |
| 0.577 (12/17/2020) | 0.259 (12/10/2018) | (0.577 - 0.259)/(32 - 24) | 0.03975 |
| 0.263 (3/18/2021) | 0.259 (12/10/2018) | (0.263 - 0.259)/(33 - 24) | 0.000444444 |
| 0.122 (5/5/2021) | 0.259 (12/10/2018) | (0.122 - 0.259)/(34 - 24) | -0.0137 |
| 0.458 (9/2/2021) | 0.259 (12/10/2018) | (0.458 - 0.259)/(35 - 24) | 0.0180909 |
| ND<0.1 U (11/23/2021) | 0.259 (12/10/2018) | (0.1 - 0.259)/(36 - 24) | -0.01325 |
| 8.2 (1/11/2022) | 0.259 (12/10/2018) | (8.2 - 0.259)/(37 - 24) | 0.610846 |
| 0.431 (4/7/2022) | 0.259 (12/10/2018) | (0.431 - 0.259)/(38 - 24) | 0.0122857 |
| ND<0.1 U (8/2/2022) | 0.259 (12/10/2018) | (0.1 - 0.259)/(39 - 24) | -0.0106 |
| ND<0.1 U (11/16/2022) | 0.259 (12/10/2018) | (0.1 - 0.259)/(40 - 24) | -0.0099375 |
| 0.372 (2/14/2023) | 0.259 (12/10/2018) | (0.372 - 0.259)/(41 - 24) | 0.00664706 |
| ND<0.05 U (5/25/2023) | 0.259 (12/10/2018) | (0.05 - 0.259)/(42 - 24) | -0.0116111 |
| ND<0.1 U (8/7/2023) | 0.259 (12/10/2018) | (0.1 - 0.259)/(43 - 24) | -0.00836842 |
| 0.172 (12/12/2023) | 0.259 (12/10/2018) | (0.172 - 0.259)/(44 - 24) | -0.00435 |
| 0.511 (1/10/2024) | 0.259 (12/10/2018) | (0.511 - 0.259)/(45 - 24) | 0.012 |
| ND<0.1 U (5/21/2024) | 0.259 (12/10/2018) | (0.1 - 0.259)/(46 - 24) | -0.00722727 |
| ND<0.05 U (9/16/2024) | 0.259 (12/10/2018) | (0.05 - 0.259)/(47 - 24) | -0.00908696 |
| 0.327 (12/11/2024) | 0.259 (12/10/2018) | (0.327 - 0.259)/(48 - 24) | 0.00283333 |
| 0.776 (2/18/2025) | 0.259 (12/10/2018) | (0.776 - 0.259)/(49 - 24) | 0.02068 |
| | | | |
| ND<0.1 U (6/12/2019) | 0.39 (4/15/2019) | (0.1 - 0.39)/(26 - 25) | -0.29 |
| ND<0.1 U (8/27/2019) | 0.39 (4/15/2019) | (0.1 - 0.39)/(27 - 25) | -0.145 |
| 0.129 (10/29/2019) | 0.39 (4/15/2019) | (0.129 - 0.39)/(28 - 25) | -0.087 |

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|---|---|---|---|
| 0.462 (3/30/2020) | 0.39 (4/15/2019) | (0.462 - 0.39)/(29 - 25) | 0.018 |
| 0.1 U (6/16/2020) | 0.39 (4/15/2019) | (0.1 - 0.39)/(30 - 25) | -0.058 |
| ND<0.1 U (9/21/2020) | 0.39 (4/15/2019) | (0.1 - 0.39)/(31 - 25) | -0.0483333 |
| 0.577 (12/17/2020) | 0.39 (4/15/2019) | (0.577 - 0.39)/(32 - 25) | 0.0267143 |
| 0.263 (3/18/2021) | 0.39 (4/15/2019) | (0.263 - 0.39)/(33 - 25) | -0.015875 |
| 0.122 (5/5/2021) | 0.39 (4/15/2019) | (0.122 - 0.39)/(34 - 25) | -0.0297778 |
| 0.458 (9/2/2021) | 0.39 (4/15/2019) | (0.458 - 0.39)/(35 - 25) | 0.0068 |
| ND<0.1 U (11/23/2021) | 0.39 (4/15/2019) | (0.1 - 0.39)/(36 - 25) | -0.0263636 |
| 8.2 (1/11/2022) | 0.39 (4/15/2019) | (8.2 - 0.39)/(37 - 25) | 0.650833 |
| 0.431 (4/7/2022) | 0.39 (4/15/2019) | (0.431 - 0.39)/(38 - 25) | 0.00315385 |
| ND<0.1 U (8/2/2022) | 0.39 (4/15/2019) | (0.1 - 0.39)/(39 - 25) | -0.0207143 |
| ND<0.1 U (11/16/2022) | 0.39 (4/15/2019) | (0.1 - 0.39)/(40 - 25) | -0.0193333 |
| 0.372 (2/14/2023) | 0.39 (4/15/2019) | (0.372 - 0.39)/(41 - 25) | -0.001125 |
| ND<0.05 U (5/25/2023) | 0.39 (4/15/2019) | (0.05 - 0.39)/(42 - 25) | -0.02 |
| ND<0.1 U (8/7/2023) | 0.39 (4/15/2019) | (0.1 - 0.39)/(43 - 25) | -0.0161111 |
| 0.172 (12/12/2023) | 0.39 (4/15/2019) | (0.172 - 0.39)/(44 - 25) | -0.0114737 |
| 0.511 (1/10/2024) | 0.39 (4/15/2019) | (0.511 - 0.39)/(45 - 25) | 0.00605 |
| ND<0.1 U (5/21/2024) | 0.39 (4/15/2019) | (0.1 - 0.39)/(46 - 25) | -0.0138095 |
| ND<0.05 U (9/16/2024) | 0.39 (4/15/2019) | (0.05 - 0.39)/(47 - 25) | -0.0154545 |
| 0.327 (12/11/2024) | 0.39 (4/15/2019) | (0.327 - 0.39)/(48 - 25) | -0.00273913 |
| 0.776 (2/18/2025) | 0.39 (4/15/2019) | (0.776 - 0.39)/(49 - 25) | 0.0160833 |

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|---|---|---|---|
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| 0.129 (10/29/2019) | ND<0.1 U (6/12/2019) | (0.129 - 0.1)/(28 - 26) | 0.0145 |
| 0.462 (3/30/2020) | ND<0.1 U (6/12/2019) | (0.462 - 0.1)/(29 - 26) | 0.120667 |
| 0.1 U (6/16/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (6/12/2019) | (0.577 - 0.1)/(32 - 26) | 0.0795 |
| 0.263 (3/18/2021) | ND<0.1 U (6/12/2019) | (0.263 - 0.1)/(33 - 26) | 0.0232857 |
| 0.122 (5/5/2021) | ND<0.1 U (6/12/2019) | (0.122 - 0.1)/(34 - 26) | 0.00275 |
| 0.458 (9/2/2021) | ND<0.1 U (6/12/2019) | (0.458 - 0.1)/(35 - 26) | 0.0397778 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (6/12/2019) | (8.2 - 0.1)/(37 - 26) | 0.736364 |
| 0.431 (4/7/2022) | ND<0.1 U (6/12/2019) | (0.431 - 0.1)/(38 - 26) | 0.0275833 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (6/12/2019) | (0.372 - 0.1)/(41 - 26) | 0.0181333 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(42 - 26) | -0.003125 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(43 - 26) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (6/12/2019) | (0.172 - 0.1)/(44 - 26) | 0.004 |
| 0.511 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.511 - 0.1)/(45 - 26) | 0.0216316 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(46 - 26) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(47 - 26) | -0.00238095 |
| 0.327 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.327 - 0.1)/(48 - 26) | 0.0103182 |
| 0.776 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.776 - 0.1)/(49 - 26) | 0.0293913 |

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|---|---|---|---|
| 0.129 (10/29/2019) | ND<0.1 U (8/27/2019) | (0.129 - 0.1)/(28 - 27) | 0.029 |
| 0.462 (3/30/2020) | ND<0.1 U (8/27/2019) | (0.462 - 0.1)/(29 - 27) | 0.181 |
| 0.1 U (6/16/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.577 (12/17/2020) | ND<0.1 U (8/27/2019) | (0.577 - 0.1)/(32 - 27) | 0.0954 |
| 0.263 (3/18/2021) | ND<0.1 U (8/27/2019) | (0.263 - 0.1)/(33 - 27) | 0.0271667 |
| 0.122 (5/5/2021) | ND<0.1 U (8/27/2019) | (0.122 - 0.1)/(34 - 27) | 0.00314286 |
| 0.458 (9/2/2021) | ND<0.1 U (8/27/2019) | (0.458 - 0.1)/(35 - 27) | 0.04475 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(36 - 27) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (8/27/2019) | (8.2 - 0.1)/(37 - 27) | 0.81 |
| 0.431 (4/7/2022) | ND<0.1 U (8/27/2019) | (0.431 - 0.1)/(38 - 27) | 0.0300909 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (8/27/2019) | (0.372 - 0.1)/(41 - 27) | 0.0194286 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(42 - 27) | -0.00333333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (8/27/2019) | (0.172 - 0.1)/(44 - 27) | 0.00423529 |
| 0.511 (1/10/2024) | ND<0.1 U (8/27/2019) | (0.511 - 0.1)/(45 - 27) | 0.0228333 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(46 - 27) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.327 (12/11/2024) | ND<0.1 U (8/27/2019) | (0.327 - 0.1)/(48 - 27) | 0.0108095 |
| 0.776 (2/18/2025) | ND<0.1 U (8/27/2019) | (0.776 - 0.1)/(49 - 27) | 0.0307273 |
| | | | |
| 0.462 (3/30/2020) | 0.129 (10/29/2019) | (0.462 - 0.129)/(29 - 28) | 0.333 |
| 0.1 U (6/16/2020) | 0.129 (10/29/2019) | (0.1 - 0.129)/(30 - 28) | -0.0145 |
| ND<0.1 U (9/21/2020) | 0.129 (10/29/2019) | (0.1 - 0.129)/(31 - 28) | -0.00966667 |
| 0.577 (12/17/2020) | 0.129 (10/29/2019) | (0.577 - 0.129)/(32 - 28) | 0.112 |
| 0.263 (3/18/2021) | 0.129 (10/29/2019) | (0.263 - 0.129)/(33 - 28) | 0.0268 |
| 0.122 (5/5/2021) | 0.129 (10/29/2019) | (0.122 - 0.129)/(34 - 28) | -0.00116667 |
| 0.458 (9/2/2021) | 0.129 (10/29/2019) | (0.458 - 0.129)/(35 - 28) | 0.047 |
| ND<0.1 U (11/23/2021) | 0.129 (10/29/2019) | (0.1 - 0.129)/(36 - 28) | -0.003625 |
| 8.2 (1/11/2022) | 0.129 (10/29/2019) | (8.2 - 0.129)/(37 - 28) | 0.896778 |
| 0.431 (4/7/2022) | 0.129 (10/29/2019) | (0.431 - 0.129)/(38 - 28) | 0.0302 |
| ND<0.1 U (8/2/2022) | 0.129 (10/29/2019) | (0.1 - 0.129)/(39 - 28) | -0.00263636 |
| ND<0.1 U (11/16/2022) | 0.129 (10/29/2019) | (0.1 - 0.129)/(40 - 28) | -0.00241667 |
| 0.372 (2/14/2023) | 0.129 (10/29/2019) | (0.372 - 0.129)/(41 - 28) | 0.0186923 |
| ND<0.05 U (5/25/2023) | 0.129 (10/29/2019) | (0.05 - 0.129)/(42 - 28) | -0.00564286 |
| ND<0.1 U (8/7/2023) | 0.129 (10/29/2019) | (0.1 - 0.129)/(43 - 28) | -0.00193333 |
| 0.172 (12/12/2023) | 0.129 (10/29/2019) | (0.172 - 0.129)/(44 - 28) | 0.0026875 |
| 0.511 (1/10/2024) | 0.129 (10/29/2019) | (0.511 - 0.129)/(45 - 28) | 0.0224706 |
| ND<0.1 U (5/21/2024) | 0.129 (10/29/2019) | (0.1 - 0.129)/(46 - 28) | -0.00161111 |
| ND<0.05 U (9/16/2024) | 0.129 (10/29/2019) | (0.05 - 0.129)/(47 - 28) | -0.00415789 |
| 0.327 (12/11/2024) | 0.129 (10/29/2019) | (0.327 - 0.129)/(48 - 28) | 0.0099 |
| 0.776 (2/18/2025) | 0.129 (10/29/2019) | (0.776 - 0.129)/(49 - 28) | 0.0308095 |
| | | | |
| 0.1 U (6/16/2020) | 0.462 (3/30/2020) | (0.1 - 0.462)/(30 - 29) | -0.362 |
| ND<0.1 U (9/21/2020) | 0.462 (3/30/2020) | (0.1 - 0.462)/(31 - 29) | -0.181 |
| 0.577 (12/17/2020) | 0.462 (3/30/2020) | (0.577 - 0.462)/(32 - 29) | 0.0383333 |
| 0.263 (3/18/2021) | 0.462 (3/30/2020) | (0.263 - 0.462)/(33 - 29) | -0.04975 |
| 0.122 (5/5/2021) | 0.462 (3/30/2020) | (0.122 - 0.462)/(34 - 29) | -0.068 |
| 0.458 (9/2/2021) | 0.462 (3/30/2020) | (0.458 - 0.462)/(35 - 29) | -0.000666667 |
| ND<0.1 U (11/23/2021) | 0.462 (3/30/2020) | (0.1 - 0.462)/(36 - 29) | -0.0517143 |
| 8.2 (1/11/2022) | 0.462 (3/30/2020) | (8.2 - 0.462)/(37 - 29) | 0.96725 |
| 0.431 (4/7/2022) | 0.462 (3/30/2020) | (0.431 - 0.462)/(38 - 29) | -0.00344444 |
| ND<0.1 U (8/2/2022) | 0.462 (3/30/2020) | (0.1 - 0.462)/(39 - 29) | -0.0362 |
| ND<0.1 U (11/16/2022) | 0.462 (3/30/2020) | (0.1 - 0.462)/(40 - 29) | -0.0329091 |
| 0.372 (2/14/2023) | 0.462 (3/30/2020) | (0.372 - 0.462)/(41 - 29) | -0.0075 |
| ND<0.05 U (5/25/2023) | 0.462 (3/30/2020) | (0.05 - 0.462)/(42 - 29) | -0.0316923 |
| ND<0.1 U (8/7/2023) | 0.462 (3/30/2020) | (0.1 - 0.462)/(43 - 29) | -0.0258571 |
| 0.172 (12/12/2023) | 0.462 (3/30/2020) | (0.172 - 0.462)/(44 - 29) | -0.0193333 |
| 0.511 (1/10/2024) | 0.462 (3/30/2020) | (0.511 - 0.462)/(45 - 29) | 0.0030625 |
| ND<0.1 U (5/21/2024) | 0.462 (3/30/2020) | (0.1 - 0.462)/(46 - 29) | -0.0212941 |
| ND<0.05 U (9/16/2024) | 0.462 (3/30/2020) | (0.05 - 0.462)/(47 - 29) | -0.0228889 |
| 0.327 (12/11/2024) | 0.462 (3/30/2020) | (0.327 - 0.462)/(48 - 29) | -0.00710526 |
| 0.776 (2/18/2025) | 0.462 (3/30/2020) | (0.776 - 0.462)/(49 - 29) | 0.0157 |
| | | | |
| ND<0.1 U (9/21/2020) | 0.1 U (6/16/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| 0.577 (12/17/2020) | 0.1 U (6/16/2020) | (0.577 - 0.1)/(32 - 30) | 0.2385 |

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|---|---|---|---|
| 0.263 (3/18/2021) | 0.1 U (6/16/2020) | (0.263 - 0.1)/(33 - 30) | 0.0543333 |
| 0.122 (5/5/2021) | 0.1 U (6/16/2020) | (0.122 - 0.1)/(34 - 30) | 0.0055 |
| 0.458 (9/2/2021) | 0.1 U (6/16/2020) | (0.458 - 0.1)/(35 - 30) | 0.0716 |
| ND<0.1 U (11/23/2021) | 0.1 U (6/16/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| 8.2 (1/11/2022) | 0.1 U (6/16/2020) | (8.2 - 0.1)/(37 - 30) | 1.15714 |
| 0.431 (4/7/2022) | 0.1 U (6/16/2020) | (0.431 - 0.1)/(38 - 30) | 0.041375 |
| ND<0.1 U (8/2/2022) | 0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | 0.1 U (6/16/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| 0.372 (2/14/2023) | 0.1 U (6/16/2020) | (0.372 - 0.1)/(41 - 30) | 0.0247273 |
| ND<0.05 U (5/25/2023) | 0.1 U (6/16/2020) | (0.05 - 0.1)/(42 - 30) | -0.00416667 |
| ND<0.1 U (8/7/2023) | 0.1 U (6/16/2020) | (0.1 - 0.1)/(43 - 30) | 0 |
| 0.172 (12/12/2023) | 0.1 U (6/16/2020) | (0.172 - 0.1)/(44 - 30) | 0.00514286 |
| 0.511 (1/10/2024) | 0.1 U (6/16/2020) | (0.511 - 0.1)/(45 - 30) | 0.0274 |
| ND<0.1 U (5/21/2024) | 0.1 U (6/16/2020) | (0.1 - 0.1)/(46 - 30) | 0 |
| ND<0.05 U (9/16/2024) | 0.1 U (6/16/2020) | (0.05 - 0.1)/(47 - 30) | -0.00294118 |
| 0.327 (12/11/2024) | 0.1 U (6/16/2020) | (0.327 - 0.1)/(48 - 30) | 0.0126111 |
| 0.776 (2/18/2025) | 0.1 U (6/16/2020) | (0.776 - 0.1)/(49 - 30) | 0.0355789 |

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|---|---|---|---|
| 0.577 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.577 - 0.1)/(32 - 31) | 0.477 |
| 0.263 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.263 - 0.1)/(33 - 31) | 0.0815 |
| 0.122 (5/5/2021) | ND<0.1 U (9/21/2020) | (0.122 - 0.1)/(34 - 31) | 0.00733333 |
| 0.458 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.458 - 0.1)/(35 - 31) | 0.0895 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| 8.2 (1/11/2022) | ND<0.1 U (9/21/2020) | (8.2 - 0.1)/(37 - 31) | 1.35 |
| 0.431 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.431 - 0.1)/(38 - 31) | 0.0472857 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (9/21/2020) | (0.372 - 0.1)/(41 - 31) | 0.0272 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(42 - 31) | -0.00454545 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(43 - 31) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.172 - 0.1)/(44 - 31) | 0.00553846 |
| 0.511 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.511 - 0.1)/(45 - 31) | 0.0293571 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(46 - 31) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(47 - 31) | -0.003125 |
| 0.327 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.327 - 0.1)/(48 - 31) | 0.0133529 |
| 0.776 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.776 - 0.1)/(49 - 31) | 0.0375556 |

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|---|---|---|---|
| 0.263 (3/18/2021) | 0.577 (12/17/2020) | (0.263 - 0.577)/(33 - 32) | -0.314 |
| 0.122 (5/5/2021) | 0.577 (12/17/2020) | (0.122 - 0.577)/(34 - 32) | -0.2275 |
| 0.458 (9/2/2021) | 0.577 (12/17/2020) | (0.458 - 0.577)/(35 - 32) | -0.0396667 |
| ND<0.1 U (11/23/2021) | 0.577 (12/17/2020) | (0.1 - 0.577)/(36 - 32) | -0.11925 |
| 8.2 (1/11/2022) | 0.577 (12/17/2020) | (8.2 - 0.577)/(37 - 32) | 1.5246 |
| 0.431 (4/7/2022) | 0.577 (12/17/2020) | (0.431 - 0.577)/(38 - 32) | -0.0243333 |
| ND<0.1 U (8/2/2022) | 0.577 (12/17/2020) | (0.1 - 0.577)/(39 - 32) | -0.0681429 |
| ND<0.1 U (11/16/2022) | 0.577 (12/17/2020) | (0.1 - 0.577)/(40 - 32) | -0.059625 |
| 0.372 (2/14/2023) | 0.577 (12/17/2020) | (0.372 - 0.577)/(41 - 32) | -0.0227778 |
| ND<0.05 U (5/25/2023) | 0.577 (12/17/2020) | (0.05 - 0.577)/(42 - 32) | -0.0527 |
| ND<0.1 U (8/7/2023) | 0.577 (12/17/2020) | (0.1 - 0.577)/(43 - 32) | -0.0433636 |
| 0.172 (12/12/2023) | 0.577 (12/17/2020) | (0.172 - 0.577)/(44 - 32) | -0.03375 |
| 0.511 (1/10/2024) | 0.577 (12/17/2020) | (0.511 - 0.577)/(45 - 32) | -0.00507692 |
| ND<0.1 U (5/21/2024) | 0.577 (12/17/2020) | (0.1 - 0.577)/(46 - 32) | -0.0340714 |
| ND<0.05 U (9/16/2024) | 0.577 (12/17/2020) | (0.05 - 0.577)/(47 - 32) | -0.0351333 |
| 0.327 (12/11/2024) | 0.577 (12/17/2020) | (0.327 - 0.577)/(48 - 32) | -0.015625 |
| 0.776 (2/18/2025) | 0.577 (12/17/2020) | (0.776 - 0.577)/(49 - 32) | 0.0117059 |

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|---|---|---|---|
| 0.122 (5/5/2021) | 0.263 (3/18/2021) | (0.122 - 0.263)/(34 - 33) | -0.141 |
| 0.458 (9/2/2021) | 0.263 (3/18/2021) | (0.458 - 0.263)/(35 - 33) | 0.0975 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | 0.263 (3/18/2021) | (0.1 - 0.263)/(36 - 33) | -0.0543333 |
| 8.2 (1/11/2022) | 0.263 (3/18/2021) | (8.2 - 0.263)/(37 - 33) | 1.98425 |
| 0.431 (4/7/2022) | 0.263 (3/18/2021) | (0.431 - 0.263)/(38 - 33) | 0.0336 |
| ND<0.1 U (8/2/2022) | 0.263 (3/18/2021) | (0.1 - 0.263)/(39 - 33) | -0.0271667 |
| ND<0.1 U (11/16/2022) | 0.263 (3/18/2021) | (0.1 - 0.263)/(40 - 33) | -0.0232857 |
| 0.372 (2/14/2023) | 0.263 (3/18/2021) | (0.372 - 0.263)/(41 - 33) | 0.013625 |
| ND<0.05 U (5/25/2023) | 0.263 (3/18/2021) | (0.05 - 0.263)/(42 - 33) | -0.0236667 |
| ND<0.1 U (8/7/2023) | 0.263 (3/18/2021) | (0.1 - 0.263)/(43 - 33) | -0.0163 |
| 0.172 (12/12/2023) | 0.263 (3/18/2021) | (0.172 - 0.263)/(44 - 33) | -0.00827273 |
| 0.511 (1/10/2024) | 0.263 (3/18/2021) | (0.511 - 0.263)/(45 - 33) | 0.0206667 |
| ND<0.1 U (5/21/2024) | 0.263 (3/18/2021) | (0.1 - 0.263)/(46 - 33) | -0.0125385 |
| ND<0.05 U (9/16/2024) | 0.263 (3/18/2021) | (0.05 - 0.263)/(47 - 33) | -0.0152143 |
| 0.327 (12/11/2024) | 0.263 (3/18/2021) | (0.327 - 0.263)/(48 - 33) | 0.00426667 |
| 0.776 (2/18/2025) | 0.263 (3/18/2021) | (0.776 - 0.263)/(49 - 33) | 0.0320625 |
| | | | |
| 0.458 (9/2/2021) | 0.122 (5/5/2021) | (0.458 - 0.122)/(35 - 34) | 0.336 |
| ND<0.1 U (11/23/2021) | 0.122 (5/5/2021) | (0.1 - 0.122)/(36 - 34) | -0.011 |
| 8.2 (1/11/2022) | 0.122 (5/5/2021) | (8.2 - 0.122)/(37 - 34) | 2.69267 |
| 0.431 (4/7/2022) | 0.122 (5/5/2021) | (0.431 - 0.122)/(38 - 34) | 0.07725 |
| ND<0.1 U (8/2/2022) | 0.122 (5/5/2021) | (0.1 - 0.122)/(39 - 34) | -0.0044 |
| ND<0.1 U (11/16/2022) | 0.122 (5/5/2021) | (0.1 - 0.122)/(40 - 34) | -0.00366667 |
| 0.372 (2/14/2023) | 0.122 (5/5/2021) | (0.372 - 0.122)/(41 - 34) | 0.0357143 |
| ND<0.05 U (5/25/2023) | 0.122 (5/5/2021) | (0.05 - 0.122)/(42 - 34) | -0.009 |
| ND<0.1 U (8/7/2023) | 0.122 (5/5/2021) | (0.1 - 0.122)/(43 - 34) | -0.00244444 |
| 0.172 (12/12/2023) | 0.122 (5/5/2021) | (0.172 - 0.122)/(44 - 34) | 0.005 |
| 0.511 (1/10/2024) | 0.122 (5/5/2021) | (0.511 - 0.122)/(45 - 34) | 0.0353636 |
| ND<0.1 U (5/21/2024) | 0.122 (5/5/2021) | (0.1 - 0.122)/(46 - 34) | -0.00183333 |
| ND<0.05 U (9/16/2024) | 0.122 (5/5/2021) | (0.05 - 0.122)/(47 - 34) | -0.00553846 |
| 0.327 (12/11/2024) | 0.122 (5/5/2021) | (0.327 - 0.122)/(48 - 34) | 0.0146429 |
| 0.776 (2/18/2025) | 0.122 (5/5/2021) | (0.776 - 0.122)/(49 - 34) | 0.0436 |
| | | | |
| ND<0.1 U (11/23/2021) | 0.458 (9/2/2021) | (0.1 - 0.458)/(36 - 35) | -0.358 |
| 8.2 (1/11/2022) | 0.458 (9/2/2021) | (8.2 - 0.458)/(37 - 35) | 3.871 |
| 0.431 (4/7/2022) | 0.458 (9/2/2021) | (0.431 - 0.458)/(38 - 35) | -0.009 |
| ND<0.1 U (8/2/2022) | 0.458 (9/2/2021) | (0.1 - 0.458)/(39 - 35) | -0.0895 |
| ND<0.1 U (11/16/2022) | 0.458 (9/2/2021) | (0.1 - 0.458)/(40 - 35) | -0.0716 |
| 0.372 (2/14/2023) | 0.458 (9/2/2021) | (0.372 - 0.458)/(41 - 35) | -0.0143333 |
| ND<0.05 U (5/25/2023) | 0.458 (9/2/2021) | (0.05 - 0.458)/(42 - 35) | -0.0582857 |
| ND<0.1 U (8/7/2023) | 0.458 (9/2/2021) | (0.1 - 0.458)/(43 - 35) | -0.04475 |
| 0.172 (12/12/2023) | 0.458 (9/2/2021) | (0.172 - 0.458)/(44 - 35) | -0.0317778 |
| 0.511 (1/10/2024) | 0.458 (9/2/2021) | (0.511 - 0.458)/(45 - 35) | 0.0053 |
| ND<0.1 U (5/21/2024) | 0.458 (9/2/2021) | (0.1 - 0.458)/(46 - 35) | -0.0325455 |
| ND<0.05 U (9/16/2024) | 0.458 (9/2/2021) | (0.05 - 0.458)/(47 - 35) | -0.034 |
| 0.327 (12/11/2024) | 0.458 (9/2/2021) | (0.327 - 0.458)/(48 - 35) | -0.0100769 |
| 0.776 (2/18/2025) | 0.458 (9/2/2021) | (0.776 - 0.458)/(49 - 35) | 0.0227143 |
| | | | |
| 8.2 (1/11/2022) | ND<0.1 U (11/23/2021) | (8.2 - 0.1)/(37 - 36) | 8.1 |
| 0.431 (4/7/2022) | ND<0.1 U (11/23/2021) | (0.431 - 0.1)/(38 - 36) | 0.1655 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (11/23/2021) | (0.372 - 0.1)/(41 - 36) | 0.0544 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/23/2021) | (0.05 - 0.1)/(42 - 36) | -0.00833333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(43 - 36) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.172 - 0.1)/(44 - 36) | 0.009 |
| 0.511 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.511 - 0.1)/(45 - 36) | 0.0456667 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(46 - 36) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/23/2021) | (0.05 - 0.1)/(47 - 36) | -0.00454545 |

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|---|---|---|---|
| 0.327 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.327 - 0.1)/(48 - 36) | 0.0189167 |
| 0.776 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.776 - 0.1)/(49 - 36) | 0.052 |
| | | | |
| 0.431 (4/7/2022) | 8.2 (1/11/2022) | (0.431 - 8.2)/(38 - 37) | -7.769 |
| ND<0.1 U (8/2/2022) | 8.2 (1/11/2022) | (0.1 - 8.2)/(39 - 37) | -4.05 |
| ND<0.1 U (11/16/2022) | 8.2 (1/11/2022) | (0.1 - 8.2)/(40 - 37) | -2.7 |
| 0.372 (2/14/2023) | 8.2 (1/11/2022) | (0.372 - 8.2)/(41 - 37) | -1.957 |
| ND<0.05 U (5/25/2023) | 8.2 (1/11/2022) | (0.05 - 8.2)/(42 - 37) | -1.63 |
| ND<0.1 U (8/7/2023) | 8.2 (1/11/2022) | (0.1 - 8.2)/(43 - 37) | -1.35 |
| 0.172 (12/12/2023) | 8.2 (1/11/2022) | (0.172 - 8.2)/(44 - 37) | -1.14686 |
| 0.511 (1/10/2024) | 8.2 (1/11/2022) | (0.511 - 8.2)/(45 - 37) | -0.961125 |
| ND<0.1 U (5/21/2024) | 8.2 (1/11/2022) | (0.1 - 8.2)/(46 - 37) | -0.9 |
| ND<0.05 U (9/16/2024) | 8.2 (1/11/2022) | (0.05 - 8.2)/(47 - 37) | -0.815 |
| 0.327 (12/11/2024) | 8.2 (1/11/2022) | (0.327 - 8.2)/(48 - 37) | -0.715727 |
| 0.776 (2/18/2025) | 8.2 (1/11/2022) | (0.776 - 8.2)/(49 - 37) | -0.618667 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.431 (4/7/2022) | (0.1 - 0.431)/(39 - 38) | -0.331 |
| ND<0.1 U (11/16/2022) | 0.431 (4/7/2022) | (0.1 - 0.431)/(40 - 38) | -0.1655 |
| 0.372 (2/14/2023) | 0.431 (4/7/2022) | (0.372 - 0.431)/(41 - 38) | -0.0196667 |
| ND<0.05 U (5/25/2023) | 0.431 (4/7/2022) | (0.05 - 0.431)/(42 - 38) | -0.09525 |
| ND<0.1 U (8/7/2023) | 0.431 (4/7/2022) | (0.1 - 0.431)/(43 - 38) | -0.0662 |
| 0.172 (12/12/2023) | 0.431 (4/7/2022) | (0.172 - 0.431)/(44 - 38) | -0.0431667 |
| 0.511 (1/10/2024) | 0.431 (4/7/2022) | (0.511 - 0.431)/(45 - 38) | 0.0114286 |
| ND<0.1 U (5/21/2024) | 0.431 (4/7/2022) | (0.1 - 0.431)/(46 - 38) | -0.041375 |
| ND<0.05 U (9/16/2024) | 0.431 (4/7/2022) | (0.05 - 0.431)/(47 - 38) | -0.0423333 |
| 0.327 (12/11/2024) | 0.431 (4/7/2022) | (0.327 - 0.431)/(48 - 38) | -0.0104 |
| 0.776 (2/18/2025) | 0.431 (4/7/2022) | (0.776 - 0.431)/(49 - 38) | 0.0313636 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| 0.372 (2/14/2023) | ND<0.1 U (8/2/2022) | (0.372 - 0.1)/(41 - 39) | 0.136 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(42 - 39) | -0.0166667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(43 - 39) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.172 - 0.1)/(44 - 39) | 0.0144 |
| 0.511 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.511 - 0.1)/(45 - 39) | 0.0685 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(46 - 39) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(47 - 39) | -0.00625 |
| 0.327 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.327 - 0.1)/(48 - 39) | 0.0252222 |
| 0.776 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.776 - 0.1)/(49 - 39) | 0.0676 |
| | | | |
| 0.372 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.372 - 0.1)/(41 - 40) | 0.272 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(42 - 40) | -0.025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| 0.172 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.172 - 0.1)/(44 - 40) | 0.018 |
| 0.511 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.511 - 0.1)/(45 - 40) | 0.0822 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(46 - 40) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(47 - 40) | -0.00714286 |
| 0.327 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.327 - 0.1)/(48 - 40) | 0.028375 |
| 0.776 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.776 - 0.1)/(49 - 40) | 0.0751111 |
| | | | |
| ND<0.05 U (5/25/2023) | 0.372 (2/14/2023) | (0.05 - 0.372)/(42 - 41) | -0.322 |
| ND<0.1 U (8/7/2023) | 0.372 (2/14/2023) | (0.1 - 0.372)/(43 - 41) | -0.136 |
| 0.172 (12/12/2023) | 0.372 (2/14/2023) | (0.172 - 0.372)/(44 - 41) | -0.0666667 |
| 0.511 (1/10/2024) | 0.372 (2/14/2023) | (0.511 - 0.372)/(45 - 41) | 0.03475 |
| ND<0.1 U (5/21/2024) | 0.372 (2/14/2023) | (0.1 - 0.372)/(46 - 41) | -0.0544 |
| ND<0.05 U (9/16/2024) | 0.372 (2/14/2023) | (0.05 - 0.372)/(47 - 41) | -0.0536667 |
| 0.327 (12/11/2024) | 0.372 (2/14/2023) | (0.327 - 0.372)/(48 - 41) | -0.00642857 |
| 0.776 (2/18/2025) | 0.372 (2/14/2023) | (0.776 - 0.372)/(49 - 41) | 0.0505 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/7/2023) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(43 - 42) | 0.05 |
| 0.172 (12/12/2023) | ND<0.05 U (5/25/2023) | (0.172 - 0.05)/(44 - 42) | 0.061 |
| 0.511 (1/10/2024) | ND<0.05 U (5/25/2023) | (0.511 - 0.05)/(45 - 42) | 0.153667 |
| ND<0.1 U (5/21/2024) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(46 - 42) | 0.0125 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(47 - 42) | 0 |
| 0.327 (12/11/2024) | ND<0.05 U (5/25/2023) | (0.327 - 0.05)/(48 - 42) | 0.0461667 |
| 0.776 (2/18/2025) | ND<0.05 U (5/25/2023) | (0.776 - 0.05)/(49 - 42) | 0.103714 |
| | | | |
| 0.172 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.172 - 0.1)/(44 - 43) | 0.072 |
| 0.511 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.511 - 0.1)/(45 - 43) | 0.2055 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/7/2023) | (0.1 - 0.1)/(46 - 43) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.327 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.327 - 0.1)/(48 - 43) | 0.0454 |
| 0.776 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.776 - 0.1)/(49 - 43) | 0.112667 |
| | | | |
| 0.511 (1/10/2024) | 0.172 (12/12/2023) | (0.511 - 0.172)/(45 - 44) | 0.339 |
| ND<0.1 U (5/21/2024) | 0.172 (12/12/2023) | (0.1 - 0.172)/(46 - 44) | -0.036 |
| ND<0.05 U (9/16/2024) | 0.172 (12/12/2023) | (0.05 - 0.172)/(47 - 44) | -0.0406667 |
| 0.327 (12/11/2024) | 0.172 (12/12/2023) | (0.327 - 0.172)/(48 - 44) | 0.03875 |
| 0.776 (2/18/2025) | 0.172 (12/12/2023) | (0.776 - 0.172)/(49 - 44) | 0.1208 |
| | | | |
| ND<0.1 U (5/21/2024) | 0.511 (1/10/2024) | (0.1 - 0.511)/(46 - 45) | -0.411 |
| ND<0.05 U (9/16/2024) | 0.511 (1/10/2024) | (0.05 - 0.511)/(47 - 45) | -0.2305 |
| 0.327 (12/11/2024) | 0.511 (1/10/2024) | (0.327 - 0.511)/(48 - 45) | -0.0613333 |
| 0.776 (2/18/2025) | 0.511 (1/10/2024) | (0.776 - 0.511)/(49 - 45) | 0.06625 |
| | | | |
| ND<0.05 U (9/16/2024) | ND<0.1 U (5/21/2024) | (0.05 - 0.1)/(47 - 46) | -0.05 |
| 0.327 (12/11/2024) | ND<0.1 U (5/21/2024) | (0.327 - 0.1)/(48 - 46) | 0.1135 |
| 0.776 (2/18/2025) | ND<0.1 U (5/21/2024) | (0.776 - 0.1)/(49 - 46) | 0.225333 |
| | | | |
| 0.327 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.327 - 0.05)/(48 - 47) | 0.277 |
| 0.776 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.776 - 0.05)/(49 - 47) | 0.363 |
| | | | |
| 0.776 (2/18/2025) | 0.327 (12/11/2024) | (0.776 - 0.327)/(49 - 48) | 0.449 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -7.769 |
| 2 | -4.05 |
| 3 | -2.7 |
| 4 | -1.957 |
| 5 | -1.63 |
| 6 | -1.35 |
| 7 | -1.14686 |
| 8 | -0.961125 |
| 9 | -0.9 |
| 10 | -0.815 |
| 11 | -0.715727 |
| 12 | -0.618667 |
| 13 | -0.57 |
| 14 | -0.45 |
| 15 | -0.411 |
| 16 | -0.39 |

| | |
|---|---|
| 17 | -0.362 |
| 18 | -0.358 |
| 19 | -0.35 |
| 20 | -0.331 |
| 21 | -0.322 |
| 22 | -0.321 |
| 23 | -0.314 |
| 24 | -0.3 |
| 25 | -0.29 |
| 26 | -0.285 |
| 27 | -0.2305 |
| 28 | -0.23 |
| 29 | -0.2275 |
| 30 | -0.225 |
| 31 | -0.225 |
| 32 | -0.22 |
| 33 | -0.213333 |
| 34 | -0.205 |
| 35 | -0.181 |
| 36 | -0.175 |
| 37 | -0.17 |
| 38 | -0.1685 |
| 39 | -0.1655 |
| 40 | -0.155 |
| 41 | -0.15 |
| 42 | -0.15 |
| 43 | -0.145 |
| 44 | -0.141 |
| 45 | -0.136 |
| 46 | -0.124667 |
| 47 | -0.11925 |
| 48 | -0.11 |
| 49 | -0.106667 |
| 50 | -0.1066 |
| 51 | -0.103333 |
| 52 | -0.1 |
| 53 | -0.09525 |
| 54 | -0.0914286 |
| 55 | -0.09 |
| 56 | -0.0895 |
| 57 | -0.0888333 |
| 58 | -0.088 |
| 59 | -0.087 |
| 60 | -0.085 |
| 61 | -0.082 |
| 62 | -0.0795 |
| 63 | -0.075 |
| 64 | -0.075 |
| 65 | -0.0733333 |
| 66 | -0.072 |
| 67 | -0.0716 |
| 68 | -0.0716 |
| 69 | -0.07 |
| 70 | -0.0683333 |
| 71 | -0.0681429 |
| 72 | -0.068 |
| 73 | -0.0666667 |

| | |
|---|---|
| 74 | -0.0662 |
| 75 | -0.0653333 |
| 76 | -0.0642857 |
| 77 | -0.064 |
| 78 | -0.0633333 |
| 79 | -0.0623333 |
| 80 | -0.0613333 |
| 81 | -0.06075 |
| 82 | -0.06 |
| 83 | -0.059625 |
| 84 | -0.0592222 |
| 85 | -0.0587143 |
| 86 | -0.0583333 |
| 87 | -0.0582857 |
| 88 | -0.0581818 |
| 89 | -0.058 |
| 90 | -0.058 |
| 91 | -0.057 |
| 92 | -0.0544 |
| 93 | -0.0543333 |
| 94 | -0.0536667 |
| 95 | -0.0533 |
| 96 | -0.053 |
| 97 | -0.053 |
| 98 | -0.0527 |
| 99 | -0.0517143 |
| 100 | -0.05 |
| 101 | -0.05 |
| 102 | -0.05 |
| 103 | -0.05 |
| 104 | -0.05 |
| 105 | -0.04975 |
| 106 | -0.0491818 |
| 107 | -0.049 |
| 108 | -0.0483333 |
| 109 | -0.0455556 |
| 110 | -0.045 |
| 111 | -0.045 |
| 112 | -0.04475 |
| 113 | -0.044 |
| 114 | -0.044 |
| 115 | -0.0438462 |
| 116 | -0.0433636 |
| 117 | -0.0431667 |
| 118 | -0.0428571 |
| 119 | -0.0428571 |
| 120 | -0.0424 |
| 121 | -0.0423333 |
| 122 | -0.041375 |
| 123 | -0.04125 |
| 124 | -0.041 |
| 125 | -0.0409091 |
| 126 | -0.0407143 |
| 127 | -0.0406667 |
| 128 | -0.0396667 |
| 129 | -0.0393077 |
| 130 | -0.0375 |

| | |
|---|---|
| 131 | -0.037 |
| 132 | -0.0366667 |
| 133 | -0.0362 |
| 134 | -0.036 |
| 135 | -0.0355556 |
| 136 | -0.0355333 |
| 137 | -0.03525 |
| 138 | -0.0351333 |
| 139 | -0.035 |
| 140 | -0.0346667 |
| 141 | -0.0346154 |
| 142 | -0.0340714 |
| 143 | -0.034 |
| 144 | -0.033875 |
| 145 | -0.0338462 |
| 146 | -0.03375 |
| 147 | -0.0336842 |
| 148 | -0.0334 |
| 149 | -0.0333333 |
| 150 | -0.0329091 |
| 151 | -0.0325455 |
| 152 | -0.0325 |
| 153 | -0.0322353 |
| 154 | -0.0321429 |
| 155 | -0.0321429 |
| 156 | -0.0317778 |
| 157 | -0.0316923 |
| 158 | -0.0314286 |
| 159 | -0.031 |
| 160 | -0.0308333 |
| 161 | -0.0305714 |
| 162 | -0.03055 |
| 163 | -0.0305 |
| 164 | -0.0300625 |
| 165 | -0.03 |
| 166 | -0.03 |
| 167 | -0.03 |
| 168 | -0.03 |
| 169 | -0.0297778 |
| 170 | -0.0296111 |
| 171 | -0.0296 |
| 172 | -0.0290909 |
| 173 | -0.0283333 |
| 174 | -0.0281818 |
| 175 | -0.0280526 |
| 176 | -0.028 |
| 177 | -0.0278261 |
| 178 | -0.0277619 |
| 179 | -0.0272727 |
| 180 | -0.0271667 |
| 181 | -0.0269231 |
| 182 | -0.0265 |
| 183 | -0.0265 |
| 184 | -0.0265 |
| 185 | -0.0263636 |
| 186 | -0.0259091 |
| 187 | -0.0258824 |

| | |
|---|---|
| 188 | -0.0258571 |
| 189 | -0.0254375 |
| 190 | -0.025 |
| 191 | -0.025 |
| 192 | -0.025 |
| 193 | -0.0248 |
| 194 | -0.0247826 |
| 195 | -0.0245 |
| 196 | -0.0244444 |
| 197 | -0.0243333 |
| 198 | -0.0242273 |
| 199 | -0.0241176 |
| 200 | -0.0237692 |
| 201 | -0.0236667 |
| 202 | -0.0235556 |
| 203 | -0.0234167 |
| 204 | -0.0232857 |
| 205 | -0.0228889 |
| 206 | -0.0228571 |
| 207 | -0.0227778 |
| 208 | -0.0227778 |
| 209 | -0.0227143 |
| 210 | -0.0224231 |
| 211 | -0.0221429 |
| 212 | -0.0219231 |
| 213 | -0.0214286 |
| 214 | -0.0214286 |
| 215 | -0.0214286 |
| 216 | -0.0214 |
| 217 | -0.021375 |
| 218 | -0.02132 |
| 219 | -0.0212941 |
| 220 | -0.0207143 |
| 221 | -0.0206667 |
| 222 | -0.0206667 |
| 223 | -0.0206452 |
| 224 | -0.0205882 |
| 225 | -0.0205882 |
| 226 | -0.0204545 |
| 227 | -0.0204545 |
| 228 | -0.0202941 |
| 229 | -0.0200526 |
| 230 | -0.0200435 |
| 231 | -0.02 |
| 232 | -0.02 |
| 233 | -0.02 |
| 234 | -0.0198571 |
| 235 | -0.0196667 |
| 236 | -0.0196552 |
| 237 | -0.0195652 |
| 238 | -0.0195238 |
| 239 | -0.0194444 |
| 240 | -0.0193333 |
| 241 | -0.0193333 |
| 242 | -0.01908 |
| 243 | -0.018875 |
| 244 | -0.01875 |

| | |
|---|---|
| 245 | -0.01875 |
| 246 | -0.01875 |
| 247 | -0.0186364 |
| 248 | -0.0184444 |
| 249 | -0.0183043 |
| 250 | -0.0182857 |
| 251 | -0.018 |
| 252 | -0.0176923 |
| 253 | -0.0176471 |
| 254 | -0.0176 |
| 255 | -0.0175417 |
| 256 | -0.0173636 |
| 257 | -0.0173333 |
| 258 | -0.0173077 |
| 259 | -0.0173077 |
| 260 | -0.0169375 |
| 261 | -0.0169231 |
| 262 | -0.0168421 |
| 263 | -0.0167333 |
| 264 | -0.0166667 |
| 265 | -0.0166667 |
| 266 | -0.0166667 |
| 267 | -0.0163333 |
| 268 | -0.0163 |
| 269 | -0.0162857 |
| 270 | -0.0161111 |
| 271 | -0.016 |
| 272 | -0.016 |
| 273 | -0.0159091 |
| 274 | -0.015875 |
| 275 | -0.0158333 |
| 276 | -0.0158182 |
| 277 | -0.0157895 |
| 278 | -0.0157895 |
| 279 | -0.0157778 |
| 280 | -0.015625 |
| 281 | -0.015619 |
| 282 | -0.0155556 |
| 283 | -0.01552 |
| 284 | -0.0155 |
| 285 | -0.0154545 |
| 286 | -0.0154 |
| 287 | -0.0153333 |
| 288 | -0.0153158 |
| 289 | -0.0152857 |
| 290 | -0.0152308 |
| 291 | -0.0152222 |
| 292 | -0.0152174 |
| 293 | -0.0152143 |
| 294 | -0.0151852 |
| 295 | -0.0151724 |
| 296 | -0.0151429 |
| 297 | -0.0150769 |
| 298 | -0.0150556 |
| 299 | -0.015 |
| 300 | -0.015 |
| 301 | -0.015 |

| | |
|---|---|
| 302 | -0.0147586 |
| 303 | -0.0146667 |
| 304 | -0.01455 |
| 305 | -0.0145161 |
| 306 | -0.0145 |
| 307 | -0.0143333 |
| 308 | -0.0142857 |
| 309 | -0.0142857 |
| 310 | -0.0142667 |
| 311 | -0.0141111 |
| 312 | -0.0140625 |
| 313 | -0.014 |
| 314 | -0.0139394 |
| 315 | -0.0138462 |
| 316 | -0.0138095 |
| 317 | -0.0137931 |
| 318 | -0.0137 |
| 319 | -0.0136667 |
| 320 | -0.0135135 |
| 321 | -0.0134783 |
| 322 | -0.0134615 |
| 323 | -0.0133684 |
| 324 | -0.0133333 |
| 325 | -0.01325 |
| 326 | -0.0132381 |
| 327 | -0.0132353 |
| 328 | -0.0132258 |
| 329 | -0.0132222 |
| 330 | -0.0131579 |
| 331 | -0.0131 |
| 332 | -0.01305 |
| 333 | -0.0130435 |
| 334 | -0.012963 |
| 335 | -0.012963 |
| 336 | -0.0129474 |
| 337 | -0.0129167 |
| 338 | -0.0128571 |
| 339 | -0.0128571 |
| 340 | -0.0127273 |
| 341 | -0.0127273 |
| 342 | -0.0126667 |
| 343 | -0.0126364 |
| 344 | -0.0125714 |
| 345 | -0.0125385 |
| 346 | -0.0125 |
| 347 | -0.0125 |
| 348 | -0.0125 |
| 349 | -0.0125 |
| 350 | -0.0125 |
| 351 | -0.0125 |
| 352 | -0.0124706 |
| 353 | -0.0124167 |
| 354 | -0.01225 |
| 355 | -0.0122174 |
| 356 | -0.0121053 |
| 357 | -0.0120588 |
| 358 | -0.0119512 |

| | |
|---|---|
| 359 | -0.0119048 |
| 360 | -0.0118824 |
| 361 | -0.0118421 |
| 362 | -0.0117778 |
| 363 | -0.0117778 |
| 364 | -0.0117647 |
| 365 | -0.01175 |
| 366 | -0.0116667 |
| 367 | -0.0116667 |
| 368 | -0.0116667 |
| 369 | -0.0116279 |
| 370 | -0.0116129 |
| 371 | -0.0116111 |
| 372 | -0.0115833 |
| 373 | -0.0115789 |
| 374 | -0.0115385 |
| 375 | -0.0115385 |
| 376 | -0.0115385 |
| 377 | -0.0115294 |
| 378 | -0.0114815 |
| 379 | -0.0114737 |
| 380 | -0.011381 |
| 381 | -0.0113333 |
| 382 | -0.0112821 |
| 383 | -0.0111515 |
| 384 | -0.0111111 |
| 385 | -0.0111111 |
| 386 | -0.0110909 |
| 387 | -0.0110811 |
| 388 | -0.0110645 |
| 389 | -0.011 |
| 390 | -0.0109756 |
| 391 | -0.0109375 |
| 392 | -0.0108571 |
| 393 | -0.0107143 |
| 394 | -0.0107143 |
| 395 | -0.0106522 |
| 396 | -0.0106061 |
| 397 | -0.0106 |
| 398 | -0.0105385 |
| 399 | -0.01048 |
| 400 | -0.0104762 |
| 401 | -0.0104444 |
| 402 | -0.0104 |
| 403 | -0.0103448 |
| 404 | -0.0103333 |
| 405 | -0.010325 |
| 406 | -0.0103 |
| 407 | -0.0102917 |
| 408 | -0.01025 |
| 409 | -0.01025 |
| 410 | -0.0100952 |
| 411 | -0.0100769 |
| 412 | -0.0100714 |
| 413 | -0.01 |
| 414 | -0.01 |
| 415 | -0.01 |

| | |
|---|---|
| 416 | -0.01 |
| 417 | -0.01 |
| 418 | -0.01 |
| 419 | -0.0099375 |
| 420 | -0.00989655 |
| 421 | -0.0098 |
| 422 | -0.00977778 |
| 423 | -0.00969231 |
| 424 | -0.00967742 |
| 425 | -0.00966667 |
| 426 | -0.00965714 |
| 427 | -0.0095 |
| 428 | -0.00945946 |
| 429 | -0.00945455 |
| 430 | -0.00945 |
| 431 | -0.009375 |
| 432 | -0.00935 |
| 433 | -0.00925 |
| 434 | -0.00909091 |
| 435 | -0.00908696 |
| 436 | -0.009 |
| 437 | -0.009 |
| 438 | -0.00896774 |
| 439 | -0.00883333 |
| 440 | -0.00882353 |
| 441 | -0.0088 |
| 442 | -0.00866667 |
| 443 | -0.00865625 |
| 444 | -0.00864706 |
| 445 | -0.00855814 |
| 446 | -0.00852174 |
| 447 | -0.0085 |
| 448 | -0.00836842 |
| 449 | -0.00833333 |
| 450 | -0.00833333 |
| 451 | -0.00827273 |
| 452 | -0.00823077 |
| 453 | -0.008 |
| 454 | -0.008 |
| 455 | -0.008 |
| 456 | -0.00777778 |
| 457 | -0.00761905 |
| 458 | -0.0075 |
| 459 | -0.0075 |
| 460 | -0.0075 |
| 461 | -0.00736842 |
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| 1123 | 0.23 |
| 1124 | 0.231818 |
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| 1129 | 0.257241 |
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| 1156 | 0.45 |

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| 1165 | 0.650833 |
| 1166 | 0.736364 |
| 1167 | 0.81 |
| 1168 | 0.896778 |
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| 1170 | 1.15714 |
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| 1172 | 1.5246 |
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Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
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| 2 | 0.55 | 2 |
| 3 | 0.4 | 3 |
| 4 | 0.05 | 2 |

| Time Period | Observations |
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| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/29/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |

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|---|---|
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 10710
B = 0
C = 4086
D = 0
E = 282
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12863.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 186.556
M1 = (1176 - 186.556)/2.0 = 494.722
M2 = (1176 + 186.556)/2.0 + 1 = 682.278
Lower limit is -0.00445455 = Q(495)
Upper limit is 0 = Q(682)
-0.00445455 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SS 13
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.36 (5/8/2013) | 0.34 (3/12/2013) | (0.36 - 0.34)/(2 - 1) | 0.02 |
| ND<0.1 U (9/23/2013) | 0.34 (3/12/2013) | (0.1 - 0.34)/(3 - 1) | -0.12 |
| 0.33 (12/10/2013) | 0.34 (3/12/2013) | (0.33 - 0.34)/(4 - 1) | -0.00333333 |
| 0.42 (2/6/2014) | 0.34 (3/12/2013) | (0.42 - 0.34)/(5 - 1) | 0.02 |
| ND<0.1 U (6/26/2014) | 0.34 (3/12/2013) | (0.1 - 0.34)/(6 - 1) | -0.048 |
| ND<0.1 U (9/30/2014) | 0.34 (3/12/2013) | (0.1 - 0.34)/(7 - 1) | -0.04 |
| 0.22 (11/19/2014) | 0.34 (3/12/2013) | (0.22 - 0.34)/(8 - 1) | -0.0171429 |
| 0.22 (3/23/2015) | 0.34 (3/12/2013) | (0.22 - 0.34)/(9 - 1) | -0.015 |
| 0.32 (4/22/2015) | 0.34 (3/12/2013) | (0.32 - 0.34)/(10 - 1) | -0.00222222 |
| ND<0.1 U (9/30/2015) | 0.34 (3/12/2013) | (0.1 - 0.34)/(11 - 1) | -0.024 |
| 0.24 (11/19/2015) | 0.34 (3/12/2013) | (0.24 - 0.34)/(12 - 1) | -0.00909091 |
| 0.32 (3/15/2016) | 0.34 (3/12/2013) | (0.32 - 0.34)/(13 - 1) | -0.00166667 |
| ND<0.1 U (6/29/2016) | 0.34 (3/12/2013) | (0.1 - 0.34)/(14 - 1) | -0.0184615 |
| ND<0.1 U (8/9/2016) | 0.34 (3/12/2013) | (0.1 - 0.34)/(15 - 1) | -0.0171429 |
| 0.11 (12/7/2016) | 0.34 (3/12/2013) | (0.11 - 0.34)/(16 - 1) | -0.0153333 |
| 0.25 (3/2/2017) | 0.34 (3/12/2013) | (0.25 - 0.34)/(17 - 1) | -0.005625 |
| ND<0.1 U (6/21/2017) | 0.34 (3/12/2013) | (0.1 - 0.34)/(18 - 1) | -0.0141176 |
| ND<0.1 U (8/17/2017) | 0.34 (3/12/2013) | (0.1 - 0.34)/(19 - 1) | -0.0133333 |
| 0.12 (10/26/2017) | 0.34 (3/12/2013) | (0.12 - 0.34)/(20 - 1) | -0.0115789 |
| 0.495 (3/27/2018) | 0.34 (3/12/2013) | (0.495 - 0.34)/(21 - 1) | 0.00775 |
| ND<0.1 U (6/26/2018) | 0.34 (3/12/2013) | (0.1 - 0.34)/(22 - 1) | -0.0114286 |
| 0.226 (8/1/2018) | 0.34 (3/12/2013) | (0.226 - 0.34)/(23 - 1) | -0.00518182 |
| 0.451 (12/11/2018) | 0.34 (3/12/2013) | (0.451 - 0.34)/(24 - 1) | 0.00482609 |
| ND<0.1 U (4/17/2019) | 0.34 (3/12/2013) | (0.1 - 0.34)/(25 - 1) | -0.01 |
| ND<0.1 U (6/11/2019) | 0.34 (3/12/2013) | (0.1 - 0.34)/(26 - 1) | -0.0096 |
| ND<0.1 U (8/28/2019) | 0.34 (3/12/2013) | (0.1 - 0.34)/(27 - 1) | -0.00923077 |
| 0.211 (10/28/2019) | 0.34 (3/12/2013) | (0.211 - 0.34)/(28 - 1) | -0.00477778 |
| 0.233 (3/31/2020) | 0.34 (3/12/2013) | (0.233 - 0.34)/(29 - 1) | -0.00382143 |
| ND<0.1 U (6/10/2020) | 0.34 (3/12/2013) | (0.1 - 0.34)/(30 - 1) | -0.00827586 |
| ND<0.1 U (9/21/2020) | 0.34 (3/12/2013) | (0.1 - 0.34)/(31 - 1) | -0.008 |
| 0.405 (12/17/2020) | 0.34 (3/12/2013) | (0.405 - 0.34)/(32 - 1) | 0.00209677 |
| 0.163 (3/18/2021) | 0.34 (3/12/2013) | (0.163 - 0.34)/(33 - 1) | -0.00553125 |
| 7.64 (5/5/2021) | 0.34 (3/12/2013) | (7.64 - 0.34)/(34 - 1) | 0.221212 |
| 0.189 (9/2/2021) | 0.34 (3/12/2013) | (0.189 - 0.34)/(35 - 1) | -0.00444118 |
| 0.16 (11/23/2021) | 0.34 (3/12/2013) | (0.16 - 0.34)/(36 - 1) | -0.00514286 |
| 0.295 (1/10/2022) | 0.34 (3/12/2013) | (0.295 - 0.34)/(37 - 1) | -0.00125 |
| 0.304 (4/7/2022) | 0.34 (3/12/2013) | (0.304 - 0.34)/(38 - 1) | -0.000972973 |
| ND<0.1 U (8/3/2022) | 0.34 (3/12/2013) | (0.1 - 0.34)/(39 - 1) | -0.00631579 |
| ND<0.1 U (11/16/2022) | 0.34 (3/12/2013) | (0.1 - 0.34)/(40 - 1) | -0.00615385 |
| 0.459 (2/13/2023) | 0.34 (3/12/2013) | (0.459 - 0.34)/(41 - 1) | 0.002975 |
| 0.358 (5/24/2023) | 0.34 (3/12/2013) | (0.358 - 0.34)/(42 - 1) | 0.000439024 |
| ND<0.1 U (8/7/2023) | 0.34 (3/12/2013) | (0.1 - 0.34)/(43 - 1) | -0.00571429 |
| 0.098 (12/12/2023) | 0.34 (3/12/2013) | (0.098 - 0.34)/(44 - 1) | -0.00562791 |
| 0.426 (1/10/2024) | 0.34 (3/12/2013) | (0.426 - 0.34)/(45 - 1) | 0.00195455 |
| ND<0.1 U (5/20/2024) | 0.34 (3/12/2013) | (0.1 - 0.34)/(46 - 1) | -0.00533333 |
| ND<0.05 U (9/16/2024) | 0.34 (3/12/2013) | (0.05 - 0.34)/(47 - 1) | -0.00630435 |
| 0.322 (12/11/2024) | 0.34 (3/12/2013) | (0.322 - 0.34)/(48 - 1) | -0.000382979 |
| 0.493 (2/18/2025) | 0.34 (3/12/2013) | (0.493 - 0.34)/(49 - 1) | 0.0031875 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | 0.36 (5/8/2013) | (0.1 - 0.36)/(3 - 2) | -0.26 |
| 0.33 (12/10/2013) | 0.36 (5/8/2013) | (0.33 - 0.36)/(4 - 2) | -0.015 |
| 0.42 (2/6/2014) | 0.36 (5/8/2013) | (0.42 - 0.36)/(5 - 2) | 0.02 |
| ND<0.1 U (6/26/2014) | 0.36 (5/8/2013) | (0.1 - 0.36)/(6 - 2) | -0.065 |
| ND<0.1 U (9/30/2014) | 0.36 (5/8/2013) | (0.1 - 0.36)/(7 - 2) | -0.052 |
| 0.22 (11/19/2014) | 0.36 (5/8/2013) | (0.22 - 0.36)/(8 - 2) | -0.0233333 |
| 0.22 (3/23/2015) | 0.36 (5/8/2013) | (0.22 - 0.36)/(9 - 2) | -0.02 |
| 0.32 (4/22/2015) | 0.36 (5/8/2013) | (0.32 - 0.36)/(10 - 2) | -0.005 |
| ND<0.1 U (9/30/2015) | 0.36 (5/8/2013) | (0.1 - 0.36)/(11 - 2) | -0.0288889 |
| 0.24 (11/19/2015) | 0.36 (5/8/2013) | (0.24 - 0.36)/(12 - 2) | -0.012 |
| 0.32 (3/15/2016) | 0.36 (5/8/2013) | (0.32 - 0.36)/(13 - 2) | -0.00363636 |
| ND<0.1 U (6/29/2016) | 0.36 (5/8/2013) | (0.1 - 0.36)/(14 - 2) | -0.0216667 |
| ND<0.1 U (8/9/2016) | 0.36 (5/8/2013) | (0.1 - 0.36)/(15 - 2) | -0.02 |
| 0.11 (12/7/2016) | 0.36 (5/8/2013) | (0.11 - 0.36)/(16 - 2) | -0.0178571 |
| 0.25 (3/2/2017) | 0.36 (5/8/2013) | (0.25 - 0.36)/(17 - 2) | -0.00733333 |
| ND<0.1 U (6/21/2017) | 0.36 (5/8/2013) | (0.1 - 0.36)/(18 - 2) | -0.01625 |
| ND<0.1 U (8/17/2017) | 0.36 (5/8/2013) | (0.1 - 0.36)/(19 - 2) | -0.0152941 |
| 0.12 (10/26/2017) | 0.36 (5/8/2013) | (0.12 - 0.36)/(20 - 2) | -0.0133333 |
| 0.495 (3/27/2018) | 0.36 (5/8/2013) | (0.495 - 0.36)/(21 - 2) | 0.00710526 |
| ND<0.1 U (6/26/2018) | 0.36 (5/8/2013) | (0.1 - 0.36)/(22 - 2) | -0.013 |
| 0.226 (8/1/2018) | 0.36 (5/8/2013) | (0.226 - 0.36)/(23 - 2) | -0.00638095 |
| 0.451 (12/11/2018) | 0.36 (5/8/2013) | (0.451 - 0.36)/(24 - 2) | 0.00413636 |
| ND<0.1 U (4/17/2019) | 0.36 (5/8/2013) | (0.1 - 0.36)/(25 - 2) | -0.0113043 |
| ND<0.1 U (6/11/2019) | 0.36 (5/8/2013) | (0.1 - 0.36)/(26 - 2) | -0.0108333 |
| ND<0.1 U (8/28/2019) | 0.36 (5/8/2013) | (0.1 - 0.36)/(27 - 2) | -0.0104 |
| 0.211 (10/28/2019) | 0.36 (5/8/2013) | (0.211 - 0.36)/(28 - 2) | -0.00573077 |
| 0.233 (3/31/2020) | 0.36 (5/8/2013) | (0.233 - 0.36)/(29 - 2) | -0.0047037 |
| ND<0.1 U (6/10/2020) | 0.36 (5/8/2013) | (0.1 - 0.36)/(30 - 2) | -0.00928571 |
| ND<0.1 U (9/21/2020) | 0.36 (5/8/2013) | (0.1 - 0.36)/(31 - 2) | -0.00896552 |
| 0.405 (12/17/2020) | 0.36 (5/8/2013) | (0.405 - 0.36)/(32 - 2) | 0.0015 |
| 0.163 (3/18/2021) | 0.36 (5/8/2013) | (0.163 - 0.36)/(33 - 2) | -0.00635484 |
| 7.64 (5/5/2021) | 0.36 (5/8/2013) | (7.64 - 0.36)/(34 - 2) | 0.2275 |
| 0.189 (9/2/2021) | 0.36 (5/8/2013) | (0.189 - 0.36)/(35 - 2) | -0.00518182 |
| 0.16 (11/23/2021) | 0.36 (5/8/2013) | (0.16 - 0.36)/(36 - 2) | -0.00588235 |
| 0.295 (1/10/2022) | 0.36 (5/8/2013) | (0.295 - 0.36)/(37 - 2) | -0.00185714 |
| 0.304 (4/7/2022) | 0.36 (5/8/2013) | (0.304 - 0.36)/(38 - 2) | -0.00155556 |
| ND<0.1 U (8/3/2022) | 0.36 (5/8/2013) | (0.1 - 0.36)/(39 - 2) | -0.00702703 |
| ND<0.1 U (11/16/2022) | 0.36 (5/8/2013) | (0.1 - 0.36)/(40 - 2) | -0.00684211 |
| 0.459 (2/13/2023) | 0.36 (5/8/2013) | (0.459 - 0.36)/(41 - 2) | 0.00253846 |
| 0.358 (5/24/2023) | 0.36 (5/8/2013) | (0.358 - 0.36)/(42 - 2) | -5e-05 |
| ND<0.1 U (8/7/2023) | 0.36 (5/8/2013) | (0.1 - 0.36)/(43 - 2) | -0.00634146 |
| 0.098 (12/12/2023) | 0.36 (5/8/2013) | (0.098 - 0.36)/(44 - 2) | -0.0062381 |
| 0.426 (1/10/2024) | 0.36 (5/8/2013) | (0.426 - 0.36)/(45 - 2) | 0.00153488 |
| ND<0.1 U (5/20/2024) | 0.36 (5/8/2013) | (0.1 - 0.36)/(46 - 2) | -0.00590909 |
| ND<0.05 U (9/16/2024) | 0.36 (5/8/2013) | (0.05 - 0.36)/(47 - 2) | -0.00688889 |
| 0.322 (12/11/2024) | 0.36 (5/8/2013) | (0.322 - 0.36)/(48 - 2) | -0.000826087 |
| 0.493 (2/18/2025) | 0.36 (5/8/2013) | (0.493 - 0.36)/(49 - 2) | 0.00282979 |

| | | | |
|---|---|---|---|
| 0.33 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.33 - 0.1)/(4 - 3) | 0.23 |
| 0.42 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.42 - 0.1)/(5 - 3) | 0.16 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(8 - 3) | 0.024 |
| 0.22 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(9 - 3) | 0.02 |
| 0.32 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.32 - 0.1)/(10 - 3) | 0.0314286 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

| | | | |
|---|---|---|---|
| 0.24 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(12 - 3) | 0.0155556 |
| 0.32 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.32 - 0.1)/(13 - 3) | 0.022 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(16 - 3) | 0.000769231 |
| 0.25 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(17 - 3) | 0.0107143 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(20 - 3) | 0.00117647 |
| 0.495 (3/27/2018) | ND<0.1 U (9/23/2013) | (0.495 - 0.1)/(21 - 3) | 0.0219444 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.226 - 0.1)/(23 - 3) | 0.0063 |
| 0.451 (12/11/2018) | ND<0.1 U (9/23/2013) | (0.451 - 0.1)/(24 - 3) | 0.0167143 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (9/23/2013) | (0.211 - 0.1)/(28 - 3) | 0.00444 |
| 0.233 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.233 - 0.1)/(29 - 3) | 0.00511538 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.405 - 0.1)/(32 - 3) | 0.0105172 |
| 0.163 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.163 - 0.1)/(33 - 3) | 0.0021 |
| 7.64 (5/5/2021) | ND<0.1 U (9/23/2013) | (7.64 - 0.1)/(34 - 3) | 0.243226 |
| 0.189 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.189 - 0.1)/(35 - 3) | 0.00278125 |
| 0.16 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.16 - 0.1)/(36 - 3) | 0.00181818 |
| 0.295 (1/10/2022) | ND<0.1 U (9/23/2013) | (0.295 - 0.1)/(37 - 3) | 0.00573529 |
| 0.304 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.304 - 0.1)/(38 - 3) | 0.00582857 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (9/23/2013) | (0.459 - 0.1)/(41 - 3) | 0.00944737 |
| 0.358 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.358 - 0.1)/(42 - 3) | 0.00661538 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.098 - 0.1)/(44 - 3) | -4.87805e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.426 - 0.1)/(45 - 3) | 0.0077619 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(46 - 3) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.322 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.322 - 0.1)/(48 - 3) | 0.00493333 |
| 0.493 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.493 - 0.1)/(49 - 3) | 0.00854348 |

| | | | |
|---|---|---|---|
| 0.42 (2/6/2014) | 0.33 (12/10/2013) | (0.42 - 0.33)/(5 - 4) | 0.09 |
| ND<0.1 U (6/26/2014) | 0.33 (12/10/2013) | (0.1 - 0.33)/(6 - 4) | -0.115 |
| ND<0.1 U (9/30/2014) | 0.33 (12/10/2013) | (0.1 - 0.33)/(7 - 4) | -0.0766667 |
| 0.22 (11/19/2014) | 0.33 (12/10/2013) | (0.22 - 0.33)/(8 - 4) | -0.0275 |
| 0.22 (3/23/2015) | 0.33 (12/10/2013) | (0.22 - 0.33)/(9 - 4) | -0.022 |
| 0.32 (4/22/2015) | 0.33 (12/10/2013) | (0.32 - 0.33)/(10 - 4) | -0.00166667 |
| ND<0.1 U (9/30/2015) | 0.33 (12/10/2013) | (0.1 - 0.33)/(11 - 4) | -0.0328571 |
| 0.24 (11/19/2015) | 0.33 (12/10/2013) | (0.24 - 0.33)/(12 - 4) | -0.01125 |
| 0.32 (3/15/2016) | 0.33 (12/10/2013) | (0.32 - 0.33)/(13 - 4) | -0.00111111 |
| ND<0.1 U (6/29/2016) | 0.33 (12/10/2013) | (0.1 - 0.33)/(14 - 4) | -0.023 |
| ND<0.1 U (8/9/2016) | 0.33 (12/10/2013) | (0.1 - 0.33)/(15 - 4) | -0.0209091 |
| 0.11 (12/7/2016) | 0.33 (12/10/2013) | (0.11 - 0.33)/(16 - 4) | -0.0183333 |
| 0.25 (3/2/2017) | 0.33 (12/10/2013) | (0.25 - 0.33)/(17 - 4) | -0.00615385 |
| ND<0.1 U (6/21/2017) | 0.33 (12/10/2013) | (0.1 - 0.33)/(18 - 4) | -0.0164286 |
| ND<0.1 U (8/17/2017) | 0.33 (12/10/2013) | (0.1 - 0.33)/(19 - 4) | -0.0153333 |
| 0.12 (10/26/2017) | 0.33 (12/10/2013) | (0.12 - 0.33)/(20 - 4) | -0.013125 |
| 0.495 (3/27/2018) | 0.33 (12/10/2013) | (0.495 - 0.33)/(21 - 4) | 0.00970588 |
| ND<0.1 U (6/26/2018) | 0.33 (12/10/2013) | (0.1 - 0.33)/(22 - 4) | -0.0127778 |

| | | | |
|---|---|---|---|
| 0.226 (8/1/2018) | 0.33 (12/10/2013) | (0.226 - 0.33)/(23 - 4) | -0.00547368 |
| 0.451 (12/11/2018) | 0.33 (12/10/2013) | (0.451 - 0.33)/(24 - 4) | 0.00605 |
| ND<0.1 U (4/17/2019) | 0.33 (12/10/2013) | (0.1 - 0.33)/(25 - 4) | -0.0109524 |
| ND<0.1 U (6/11/2019) | 0.33 (12/10/2013) | (0.1 - 0.33)/(26 - 4) | -0.0104545 |
| ND<0.1 U (8/28/2019) | 0.33 (12/10/2013) | (0.1 - 0.33)/(27 - 4) | -0.01 |
| 0.211 (10/28/2019) | 0.33 (12/10/2013) | (0.211 - 0.33)/(28 - 4) | -0.00495833 |
| 0.233 (3/31/2020) | 0.33 (12/10/2013) | (0.233 - 0.33)/(29 - 4) | -0.00388 |
| ND<0.1 U (6/10/2020) | 0.33 (12/10/2013) | (0.1 - 0.33)/(30 - 4) | -0.00884615 |
| ND<0.1 U (9/21/2020) | 0.33 (12/10/2013) | (0.1 - 0.33)/(31 - 4) | -0.00851852 |
| 0.405 (12/17/2020) | 0.33 (12/10/2013) | (0.405 - 0.33)/(32 - 4) | 0.00267857 |
| 0.163 (3/18/2021) | 0.33 (12/10/2013) | (0.163 - 0.33)/(33 - 4) | -0.00575862 |
| 7.64 (5/5/2021) | 0.33 (12/10/2013) | (7.64 - 0.33)/(34 - 4) | 0.243667 |
| 0.189 (9/2/2021) | 0.33 (12/10/2013) | (0.189 - 0.33)/(35 - 4) | -0.00454839 |
| 0.16 (11/23/2021) | 0.33 (12/10/2013) | (0.16 - 0.33)/(36 - 4) | -0.0053125 |
| 0.295 (1/10/2022) | 0.33 (12/10/2013) | (0.295 - 0.33)/(37 - 4) | -0.00106061 |
| 0.304 (4/7/2022) | 0.33 (12/10/2013) | (0.304 - 0.33)/(38 - 4) | -0.000764706 |
| ND<0.1 U (8/3/2022) | 0.33 (12/10/2013) | (0.1 - 0.33)/(39 - 4) | -0.00657143 |
| ND<0.1 U (11/16/2022) | 0.33 (12/10/2013) | (0.1 - 0.33)/(40 - 4) | -0.00638889 |
| 0.459 (2/13/2023) | 0.33 (12/10/2013) | (0.459 - 0.33)/(41 - 4) | 0.00348649 |
| 0.358 (5/24/2023) | 0.33 (12/10/2013) | (0.358 - 0.33)/(42 - 4) | 0.000736842 |
| ND<0.1 U (8/7/2023) | 0.33 (12/10/2013) | (0.1 - 0.33)/(43 - 4) | -0.00589744 |
| 0.098 (12/12/2023) | 0.33 (12/10/2013) | (0.098 - 0.33)/(44 - 4) | -0.0058 |
| 0.426 (1/10/2024) | 0.33 (12/10/2013) | (0.426 - 0.33)/(45 - 4) | 0.00234146 |
| ND<0.1 U (5/20/2024) | 0.33 (12/10/2013) | (0.1 - 0.33)/(46 - 4) | -0.00547619 |
| ND<0.05 U (9/16/2024) | 0.33 (12/10/2013) | (0.05 - 0.33)/(47 - 4) | -0.00651163 |
| 0.322 (12/11/2024) | 0.33 (12/10/2013) | (0.322 - 0.33)/(48 - 4) | -0.000181818 |
| 0.493 (2/18/2025) | 0.33 (12/10/2013) | (0.493 - 0.33)/(49 - 4) | 0.00362222 |
| | | | |
| ND<0.1 U (6/26/2014) | 0.42 (2/6/2014) | (0.1 - 0.42)/(6 - 5) | -0.32 |
| ND<0.1 U (9/30/2014) | 0.42 (2/6/2014) | (0.1 - 0.42)/(7 - 5) | -0.16 |
| 0.22 (11/19/2014) | 0.42 (2/6/2014) | (0.22 - 0.42)/(8 - 5) | -0.0666667 |
| 0.22 (3/23/2015) | 0.42 (2/6/2014) | (0.22 - 0.42)/(9 - 5) | -0.05 |
| 0.32 (4/22/2015) | 0.42 (2/6/2014) | (0.32 - 0.42)/(10 - 5) | -0.02 |
| ND<0.1 U (9/30/2015) | 0.42 (2/6/2014) | (0.1 - 0.42)/(11 - 5) | -0.0533333 |
| 0.24 (11/19/2015) | 0.42 (2/6/2014) | (0.24 - 0.42)/(12 - 5) | -0.0257143 |
| 0.32 (3/15/2016) | 0.42 (2/6/2014) | (0.32 - 0.42)/(13 - 5) | -0.0125 |
| ND<0.1 U (6/29/2016) | 0.42 (2/6/2014) | (0.1 - 0.42)/(14 - 5) | -0.0355556 |
| ND<0.1 U (8/9/2016) | 0.42 (2/6/2014) | (0.1 - 0.42)/(15 - 5) | -0.032 |
| 0.11 (12/7/2016) | 0.42 (2/6/2014) | (0.11 - 0.42)/(16 - 5) | -0.0281818 |
| 0.25 (3/2/2017) | 0.42 (2/6/2014) | (0.25 - 0.42)/(17 - 5) | -0.0141667 |
| ND<0.1 U (6/21/2017) | 0.42 (2/6/2014) | (0.1 - 0.42)/(18 - 5) | -0.0246154 |
| ND<0.1 U (8/17/2017) | 0.42 (2/6/2014) | (0.1 - 0.42)/(19 - 5) | -0.0228571 |
| 0.12 (10/26/2017) | 0.42 (2/6/2014) | (0.12 - 0.42)/(20 - 5) | -0.02 |
| 0.495 (3/27/2018) | 0.42 (2/6/2014) | (0.495 - 0.42)/(21 - 5) | 0.0046875 |
| ND<0.1 U (6/26/2018) | 0.42 (2/6/2014) | (0.1 - 0.42)/(22 - 5) | -0.0188235 |
| 0.226 (8/1/2018) | 0.42 (2/6/2014) | (0.226 - 0.42)/(23 - 5) | -0.0107778 |
| 0.451 (12/11/2018) | 0.42 (2/6/2014) | (0.451 - 0.42)/(24 - 5) | 0.00163158 |
| ND<0.1 U (4/17/2019) | 0.42 (2/6/2014) | (0.1 - 0.42)/(25 - 5) | -0.016 |
| ND<0.1 U (6/11/2019) | 0.42 (2/6/2014) | (0.1 - 0.42)/(26 - 5) | -0.0152381 |
| ND<0.1 U (8/28/2019) | 0.42 (2/6/2014) | (0.1 - 0.42)/(27 - 5) | -0.0145455 |
| 0.211 (10/28/2019) | 0.42 (2/6/2014) | (0.211 - 0.42)/(28 - 5) | -0.00908696 |
| 0.233 (3/31/2020) | 0.42 (2/6/2014) | (0.233 - 0.42)/(29 - 5) | -0.00779167 |
| ND<0.1 U (6/10/2020) | 0.42 (2/6/2014) | (0.1 - 0.42)/(30 - 5) | -0.0128 |
| ND<0.1 U (9/21/2020) | 0.42 (2/6/2014) | (0.1 - 0.42)/(31 - 5) | -0.0123077 |
| 0.405 (12/17/2020) | 0.42 (2/6/2014) | (0.405 - 0.42)/(32 - 5) | -0.000555556 |
| 0.163 (3/18/2021) | 0.42 (2/6/2014) | (0.163 - 0.42)/(33 - 5) | -0.00917857 |
| 7.64 (5/5/2021) | 0.42 (2/6/2014) | (7.64 - 0.42)/(34 - 5) | 0.248966 |

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|---|---|---|---|
| 0.189 (9/2/2021) | 0.42 (2/6/2014) | (0.189 - 0.42)/(35 - 5) | -0.0077 |
| 0.16 (11/23/2021) | 0.42 (2/6/2014) | (0.16 - 0.42)/(36 - 5) | -0.0083871 |
| 0.295 (1/10/2022) | 0.42 (2/6/2014) | (0.295 - 0.42)/(37 - 5) | -0.00390625 |
| 0.304 (4/7/2022) | 0.42 (2/6/2014) | (0.304 - 0.42)/(38 - 5) | -0.00351515 |
| ND<0.1 U (8/3/2022) | 0.42 (2/6/2014) | (0.1 - 0.42)/(39 - 5) | -0.00941176 |
| ND<0.1 U (11/16/2022) | 0.42 (2/6/2014) | (0.1 - 0.42)/(40 - 5) | -0.00914286 |
| 0.459 (2/13/2023) | 0.42 (2/6/2014) | (0.459 - 0.42)/(41 - 5) | 0.00108333 |
| 0.358 (5/24/2023) | 0.42 (2/6/2014) | (0.358 - 0.42)/(42 - 5) | -0.00167568 |
| ND<0.1 U (8/7/2023) | 0.42 (2/6/2014) | (0.1 - 0.42)/(43 - 5) | -0.00842105 |
| 0.098 (12/12/2023) | 0.42 (2/6/2014) | (0.098 - 0.42)/(44 - 5) | -0.00825641 |
| 0.426 (1/10/2024) | 0.42 (2/6/2014) | (0.426 - 0.42)/(45 - 5) | 0.00015 |
| ND<0.1 U (5/20/2024) | 0.42 (2/6/2014) | (0.1 - 0.42)/(46 - 5) | -0.00780488 |
| ND<0.05 U (9/16/2024) | 0.42 (2/6/2014) | (0.05 - 0.42)/(47 - 5) | -0.00880952 |
| 0.322 (12/11/2024) | 0.42 (2/6/2014) | (0.322 - 0.42)/(48 - 5) | -0.00227907 |
| 0.493 (2/18/2025) | 0.42 (2/6/2014) | (0.493 - 0.42)/(49 - 5) | 0.00165909 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.22 - 0.1)/(8 - 6) | 0.06 |
| 0.22 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.22 - 0.1)/(9 - 6) | 0.04 |
| 0.32 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.32 - 0.1)/(10 - 6) | 0.055 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.24 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.24 - 0.1)/(12 - 6) | 0.0233333 |
| 0.32 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.32 - 0.1)/(13 - 6) | 0.0314286 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(16 - 6) | 0.001 |
| 0.25 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.25 - 0.1)/(17 - 6) | 0.0136364 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(20 - 6) | 0.00142857 |
| 0.495 (3/27/2018) | ND<0.1 U (6/26/2014) | (0.495 - 0.1)/(21 - 6) | 0.0263333 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (6/26/2014) | (0.226 - 0.1)/(23 - 6) | 0.00741176 |
| 0.451 (12/11/2018) | ND<0.1 U (6/26/2014) | (0.451 - 0.1)/(24 - 6) | 0.0195 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (6/26/2014) | (0.211 - 0.1)/(28 - 6) | 0.00504545 |
| 0.233 (3/31/2020) | ND<0.1 U (6/26/2014) | (0.233 - 0.1)/(29 - 6) | 0.00578261 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (6/26/2014) | (0.405 - 0.1)/(32 - 6) | 0.0117308 |
| 0.163 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.163 - 0.1)/(33 - 6) | 0.00233333 |
| 7.64 (5/5/2021) | ND<0.1 U (6/26/2014) | (7.64 - 0.1)/(34 - 6) | 0.269286 |
| 0.189 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.189 - 0.1)/(35 - 6) | 0.00306897 |
| 0.16 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.16 - 0.1)/(36 - 6) | 0.002 |
| 0.295 (1/10/2022) | ND<0.1 U (6/26/2014) | (0.295 - 0.1)/(37 - 6) | 0.00629032 |
| 0.304 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.304 - 0.1)/(38 - 6) | 0.006375 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (6/26/2014) | (0.459 - 0.1)/(41 - 6) | 0.0102571 |
| 0.358 (5/24/2023) | ND<0.1 U (6/26/2014) | (0.358 - 0.1)/(42 - 6) | 0.00716667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(43 - 6) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.098 - 0.1)/(44 - 6) | -5.26316e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.426 - 0.1)/(45 - 6) | 0.00835897 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(46 - 6) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(47 - 6) | -0.00121951 |

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|---|---|---|---|
| 0.322 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.322 - 0.1)/(48 - 6) | 0.00528571 |
| 0.493 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.493 - 0.1)/(49 - 6) | 0.00913953 |
| | | | |
| 0.22 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(8 - 7) | 0.12 |
| 0.22 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(9 - 7) | 0.06 |
| 0.32 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.32 - 0.1)/(10 - 7) | 0.0733333 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.24 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.24 - 0.1)/(12 - 7) | 0.028 |
| 0.32 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.32 - 0.1)/(13 - 7) | 0.0366667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(16 - 7) | 0.00111111 |
| 0.25 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.25 - 0.1)/(17 - 7) | 0.015 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(20 - 7) | 0.00153846 |
| 0.495 (3/27/2018) | ND<0.1 U (9/30/2014) | (0.495 - 0.1)/(21 - 7) | 0.0282143 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.226 - 0.1)/(23 - 7) | 0.007875 |
| 0.451 (12/11/2018) | ND<0.1 U (9/30/2014) | (0.451 - 0.1)/(24 - 7) | 0.0206471 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.211 - 0.1)/(28 - 7) | 0.00528571 |
| 0.233 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.233 - 0.1)/(29 - 7) | 0.00604545 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.405 - 0.1)/(32 - 7) | 0.0122 |
| 0.163 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.163 - 0.1)/(33 - 7) | 0.00242308 |
| 7.64 (5/5/2021) | ND<0.1 U (9/30/2014) | (7.64 - 0.1)/(34 - 7) | 0.279259 |
| 0.189 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.189 - 0.1)/(35 - 7) | 0.00317857 |
| 0.16 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.16 - 0.1)/(36 - 7) | 0.00206897 |
| 0.295 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.295 - 0.1)/(37 - 7) | 0.0065 |
| 0.304 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.304 - 0.1)/(38 - 7) | 0.00658065 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (9/30/2014) | (0.459 - 0.1)/(41 - 7) | 0.0105588 |
| 0.358 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.358 - 0.1)/(42 - 7) | 0.00737143 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.098 - 0.1)/(44 - 7) | -5.40541e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.426 - 0.1)/(45 - 7) | 0.00857895 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(46 - 7) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.322 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.322 - 0.1)/(48 - 7) | 0.00541463 |
| 0.493 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.493 - 0.1)/(49 - 7) | 0.00935714 |
| | | | |
| 0.22 (3/23/2015) | 0.22 (11/19/2014) | (0.22 - 0.22)/(9 - 8) | 0 |
| 0.32 (4/22/2015) | 0.22 (11/19/2014) | (0.32 - 0.22)/(10 - 8) | 0.05 |
| ND<0.1 U (9/30/2015) | 0.22 (11/19/2014) | (0.1 - 0.22)/(11 - 8) | -0.04 |
| 0.24 (11/19/2015) | 0.22 (11/19/2014) | (0.24 - 0.22)/(12 - 8) | 0.005 |
| 0.32 (3/15/2016) | 0.22 (11/19/2014) | (0.32 - 0.22)/(13 - 8) | 0.02 |
| ND<0.1 U (6/29/2016) | 0.22 (11/19/2014) | (0.1 - 0.22)/(14 - 8) | -0.02 |
| ND<0.1 U (8/9/2016) | 0.22 (11/19/2014) | (0.1 - 0.22)/(15 - 8) | -0.0171429 |
| 0.11 (12/7/2016) | 0.22 (11/19/2014) | (0.11 - 0.22)/(16 - 8) | -0.01375 |
| 0.25 (3/2/2017) | 0.22 (11/19/2014) | (0.25 - 0.22)/(17 - 8) | 0.00333333 |
| ND<0.1 U (6/21/2017) | 0.22 (11/19/2014) | (0.1 - 0.22)/(18 - 8) | -0.012 |
| ND<0.1 U (8/17/2017) | 0.22 (11/19/2014) | (0.1 - 0.22)/(19 - 8) | -0.0109091 |

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|---|---|---|---|
| 0.12 (10/26/2017) | 0.22 (11/19/2014) | (0.12 - 0.22)/(20 - 8) | -0.00833333 |
| 0.495 (3/27/2018) | 0.22 (11/19/2014) | (0.495 - 0.22)/(21 - 8) | 0.0211538 |
| ND<0.1 U (6/26/2018) | 0.22 (11/19/2014) | (0.1 - 0.22)/(22 - 8) | -0.00857143 |
| 0.226 (8/1/2018) | 0.22 (11/19/2014) | (0.226 - 0.22)/(23 - 8) | 0.0004 |
| 0.451 (12/11/2018) | 0.22 (11/19/2014) | (0.451 - 0.22)/(24 - 8) | 0.0144375 |
| ND<0.1 U (4/17/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(25 - 8) | -0.00705882 |
| ND<0.1 U (6/11/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(26 - 8) | -0.00666667 |
| ND<0.1 U (8/28/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(27 - 8) | -0.00631579 |
| 0.211 (10/28/2019) | 0.22 (11/19/2014) | (0.211 - 0.22)/(28 - 8) | -0.00045 |
| 0.233 (3/31/2020) | 0.22 (11/19/2014) | (0.233 - 0.22)/(29 - 8) | 0.000619048 |
| ND<0.1 U (6/10/2020) | 0.22 (11/19/2014) | (0.1 - 0.22)/(30 - 8) | -0.00545455 |
| ND<0.1 U (9/21/2020) | 0.22 (11/19/2014) | (0.1 - 0.22)/(31 - 8) | -0.00521739 |
| 0.405 (12/17/2020) | 0.22 (11/19/2014) | (0.405 - 0.22)/(32 - 8) | 0.00770833 |
| 0.163 (3/18/2021) | 0.22 (11/19/2014) | (0.163 - 0.22)/(33 - 8) | -0.00228 |
| 7.64 (5/5/2021) | 0.22 (11/19/2014) | (7.64 - 0.22)/(34 - 8) | 0.285385 |
| 0.189 (9/2/2021) | 0.22 (11/19/2014) | (0.189 - 0.22)/(35 - 8) | -0.00114815 |
| 0.16 (11/23/2021) | 0.22 (11/19/2014) | (0.16 - 0.22)/(36 - 8) | -0.00214286 |
| 0.295 (1/10/2022) | 0.22 (11/19/2014) | (0.295 - 0.22)/(37 - 8) | 0.00258621 |
| 0.304 (4/7/2022) | 0.22 (11/19/2014) | (0.304 - 0.22)/(38 - 8) | 0.0028 |
| ND<0.1 U (8/3/2022) | 0.22 (11/19/2014) | (0.1 - 0.22)/(39 - 8) | -0.00387097 |
| ND<0.1 U (11/16/2022) | 0.22 (11/19/2014) | (0.1 - 0.22)/(40 - 8) | -0.00375 |
| 0.459 (2/13/2023) | 0.22 (11/19/2014) | (0.459 - 0.22)/(41 - 8) | 0.00724242 |
| 0.358 (5/24/2023) | 0.22 (11/19/2014) | (0.358 - 0.22)/(42 - 8) | 0.00405882 |
| ND<0.1 U (8/7/2023) | 0.22 (11/19/2014) | (0.1 - 0.22)/(43 - 8) | -0.00342857 |
| 0.098 (12/12/2023) | 0.22 (11/19/2014) | (0.098 - 0.22)/(44 - 8) | -0.00338889 |
| 0.426 (1/10/2024) | 0.22 (11/19/2014) | (0.426 - 0.22)/(45 - 8) | 0.00556757 |
| ND<0.1 U (5/20/2024) | 0.22 (11/19/2014) | (0.1 - 0.22)/(46 - 8) | -0.00315789 |
| ND<0.05 U (9/16/2024) | 0.22 (11/19/2014) | (0.05 - 0.22)/(47 - 8) | -0.00435897 |
| 0.322 (12/11/2024) | 0.22 (11/19/2014) | (0.322 - 0.22)/(48 - 8) | 0.00255 |
| 0.493 (2/18/2025) | 0.22 (11/19/2014) | (0.493 - 0.22)/(49 - 8) | 0.00665854 |

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|---|---|---|---|
| 0.32 (4/22/2015) | 0.22 (3/23/2015) | (0.32 - 0.22)/(10 - 9) | 0.1 |
| ND<0.1 U (9/30/2015) | 0.22 (3/23/2015) | (0.1 - 0.22)/(11 - 9) | -0.06 |
| 0.24 (11/19/2015) | 0.22 (3/23/2015) | (0.24 - 0.22)/(12 - 9) | 0.00666667 |
| 0.32 (3/15/2016) | 0.22 (3/23/2015) | (0.32 - 0.22)/(13 - 9) | 0.025 |
| ND<0.1 U (6/29/2016) | 0.22 (3/23/2015) | (0.1 - 0.22)/(14 - 9) | -0.024 |
| ND<0.1 U (8/9/2016) | 0.22 (3/23/2015) | (0.1 - 0.22)/(15 - 9) | -0.02 |
| 0.11 (12/7/2016) | 0.22 (3/23/2015) | (0.11 - 0.22)/(16 - 9) | -0.0157143 |
| 0.25 (3/2/2017) | 0.22 (3/23/2015) | (0.25 - 0.22)/(17 - 9) | 0.00375 |
| ND<0.1 U (6/21/2017) | 0.22 (3/23/2015) | (0.1 - 0.22)/(18 - 9) | -0.0133333 |
| ND<0.1 U (8/17/2017) | 0.22 (3/23/2015) | (0.1 - 0.22)/(19 - 9) | -0.012 |
| 0.12 (10/26/2017) | 0.22 (3/23/2015) | (0.12 - 0.22)/(20 - 9) | -0.00909091 |
| 0.495 (3/27/2018) | 0.22 (3/23/2015) | (0.495 - 0.22)/(21 - 9) | 0.0229167 |
| ND<0.1 U (6/26/2018) | 0.22 (3/23/2015) | (0.1 - 0.22)/(22 - 9) | -0.00923077 |
| 0.226 (8/1/2018) | 0.22 (3/23/2015) | (0.226 - 0.22)/(23 - 9) | 0.000428571 |
| 0.451 (12/11/2018) | 0.22 (3/23/2015) | (0.451 - 0.22)/(24 - 9) | 0.0154 |
| ND<0.1 U (4/17/2019) | 0.22 (3/23/2015) | (0.1 - 0.22)/(25 - 9) | -0.0075 |
| ND<0.1 U (6/11/2019) | 0.22 (3/23/2015) | (0.1 - 0.22)/(26 - 9) | -0.00705882 |
| ND<0.1 U (8/28/2019) | 0.22 (3/23/2015) | (0.1 - 0.22)/(27 - 9) | -0.00666667 |
| 0.211 (10/28/2019) | 0.22 (3/23/2015) | (0.211 - 0.22)/(28 - 9) | -0.000473684 |
| 0.233 (3/31/2020) | 0.22 (3/23/2015) | (0.233 - 0.22)/(29 - 9) | 0.00065 |
| ND<0.1 U (6/10/2020) | 0.22 (3/23/2015) | (0.1 - 0.22)/(30 - 9) | -0.00571429 |
| ND<0.1 U (9/21/2020) | 0.22 (3/23/2015) | (0.1 - 0.22)/(31 - 9) | -0.00545455 |
| 0.405 (12/17/2020) | 0.22 (3/23/2015) | (0.405 - 0.22)/(32 - 9) | 0.00804348 |
| 0.163 (3/18/2021) | 0.22 (3/23/2015) | (0.163 - 0.22)/(33 - 9) | -0.002375 |
| 7.64 (5/5/2021) | 0.22 (3/23/2015) | (7.64 - 0.22)/(34 - 9) | 0.2968 |
| 0.189 (9/2/2021) | 0.22 (3/23/2015) | (0.189 - 0.22)/(35 - 9) | -0.00119231 |

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|---|---|---|---|
| 0.16 (11/23/2021) | 0.22 (3/23/2015) | (0.16 - 0.22)/(36 - 9) | -0.00222222 |
| 0.295 (1/10/2022) | 0.22 (3/23/2015) | (0.295 - 0.22)/(37 - 9) | 0.00267857 |
| 0.304 (4/7/2022) | 0.22 (3/23/2015) | (0.304 - 0.22)/(38 - 9) | 0.00289655 |
| ND<0.1 U (8/3/2022) | 0.22 (3/23/2015) | (0.1 - 0.22)/(39 - 9) | -0.004 |
| ND<0.1 U (11/16/2022) | 0.22 (3/23/2015) | (0.1 - 0.22)/(40 - 9) | -0.00387097 |
| 0.459 (2/13/2023) | 0.22 (3/23/2015) | (0.459 - 0.22)/(41 - 9) | 0.00746875 |
| 0.358 (5/24/2023) | 0.22 (3/23/2015) | (0.358 - 0.22)/(42 - 9) | 0.00418182 |
| ND<0.1 U (8/7/2023) | 0.22 (3/23/2015) | (0.1 - 0.22)/(43 - 9) | -0.00352941 |
| 0.098 (12/12/2023) | 0.22 (3/23/2015) | (0.098 - 0.22)/(44 - 9) | -0.00348571 |
| 0.426 (1/10/2024) | 0.22 (3/23/2015) | (0.426 - 0.22)/(45 - 9) | 0.00572222 |
| ND<0.1 U (5/20/2024) | 0.22 (3/23/2015) | (0.1 - 0.22)/(46 - 9) | -0.00324324 |
| ND<0.05 U (9/16/2024) | 0.22 (3/23/2015) | (0.05 - 0.22)/(47 - 9) | -0.00447368 |
| 0.322 (12/11/2024) | 0.22 (3/23/2015) | (0.322 - 0.22)/(48 - 9) | 0.00261538 |
| 0.493 (2/18/2025) | 0.22 (3/23/2015) | (0.493 - 0.22)/(49 - 9) | 0.006825 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.32 (4/22/2015) | (0.1 - 0.32)/(11 - 10) | -0.22 |
| 0.24 (11/19/2015) | 0.32 (4/22/2015) | (0.24 - 0.32)/(12 - 10) | -0.04 |
| 0.32 (3/15/2016) | 0.32 (4/22/2015) | (0.32 - 0.32)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | 0.32 (4/22/2015) | (0.1 - 0.32)/(14 - 10) | -0.055 |
| ND<0.1 U (8/9/2016) | 0.32 (4/22/2015) | (0.1 - 0.32)/(15 - 10) | -0.044 |
| 0.11 (12/7/2016) | 0.32 (4/22/2015) | (0.11 - 0.32)/(16 - 10) | -0.035 |
| 0.25 (3/2/2017) | 0.32 (4/22/2015) | (0.25 - 0.32)/(17 - 10) | -0.01 |
| ND<0.1 U (6/21/2017) | 0.32 (4/22/2015) | (0.1 - 0.32)/(18 - 10) | -0.0275 |
| ND<0.1 U (8/17/2017) | 0.32 (4/22/2015) | (0.1 - 0.32)/(19 - 10) | -0.0244444 |
| 0.12 (10/26/2017) | 0.32 (4/22/2015) | (0.12 - 0.32)/(20 - 10) | -0.02 |
| 0.495 (3/27/2018) | 0.32 (4/22/2015) | (0.495 - 0.32)/(21 - 10) | 0.0159091 |
| ND<0.1 U (6/26/2018) | 0.32 (4/22/2015) | (0.1 - 0.32)/(22 - 10) | -0.0183333 |
| 0.226 (8/1/2018) | 0.32 (4/22/2015) | (0.226 - 0.32)/(23 - 10) | -0.00723077 |
| 0.451 (12/11/2018) | 0.32 (4/22/2015) | (0.451 - 0.32)/(24 - 10) | 0.00935714 |
| ND<0.1 U (4/17/2019) | 0.32 (4/22/2015) | (0.1 - 0.32)/(25 - 10) | -0.0146667 |
| ND<0.1 U (6/11/2019) | 0.32 (4/22/2015) | (0.1 - 0.32)/(26 - 10) | -0.01375 |
| ND<0.1 U (8/28/2019) | 0.32 (4/22/2015) | (0.1 - 0.32)/(27 - 10) | -0.0129412 |
| 0.211 (10/28/2019) | 0.32 (4/22/2015) | (0.211 - 0.32)/(28 - 10) | -0.00605556 |
| 0.233 (3/31/2020) | 0.32 (4/22/2015) | (0.233 - 0.32)/(29 - 10) | -0.00457895 |
| ND<0.1 U (6/10/2020) | 0.32 (4/22/2015) | (0.1 - 0.32)/(30 - 10) | -0.011 |
| ND<0.1 U (9/21/2020) | 0.32 (4/22/2015) | (0.1 - 0.32)/(31 - 10) | -0.0104762 |
| 0.405 (12/17/2020) | 0.32 (4/22/2015) | (0.405 - 0.32)/(32 - 10) | 0.00386364 |
| 0.163 (3/18/2021) | 0.32 (4/22/2015) | (0.163 - 0.32)/(33 - 10) | -0.00682609 |
| 7.64 (5/5/2021) | 0.32 (4/22/2015) | (7.64 - 0.32)/(34 - 10) | 0.305 |
| 0.189 (9/2/2021) | 0.32 (4/22/2015) | (0.189 - 0.32)/(35 - 10) | -0.00524 |
| 0.16 (11/23/2021) | 0.32 (4/22/2015) | (0.16 - 0.32)/(36 - 10) | -0.00615385 |
| 0.295 (1/10/2022) | 0.32 (4/22/2015) | (0.295 - 0.32)/(37 - 10) | -0.000925926 |
| 0.304 (4/7/2022) | 0.32 (4/22/2015) | (0.304 - 0.32)/(38 - 10) | -0.000571429 |
| ND<0.1 U (8/3/2022) | 0.32 (4/22/2015) | (0.1 - 0.32)/(39 - 10) | -0.00758621 |
| ND<0.1 U (11/16/2022) | 0.32 (4/22/2015) | (0.1 - 0.32)/(40 - 10) | -0.00733333 |
| 0.459 (2/13/2023) | 0.32 (4/22/2015) | (0.459 - 0.32)/(41 - 10) | 0.00448387 |
| 0.358 (5/24/2023) | 0.32 (4/22/2015) | (0.358 - 0.32)/(42 - 10) | 0.0011875 |
| ND<0.1 U (8/7/2023) | 0.32 (4/22/2015) | (0.1 - 0.32)/(43 - 10) | -0.00666667 |
| 0.098 (12/12/2023) | 0.32 (4/22/2015) | (0.098 - 0.32)/(44 - 10) | -0.00652941 |
| 0.426 (1/10/2024) | 0.32 (4/22/2015) | (0.426 - 0.32)/(45 - 10) | 0.00302857 |
| ND<0.1 U (5/20/2024) | 0.32 (4/22/2015) | (0.1 - 0.32)/(46 - 10) | -0.00611111 |
| ND<0.05 U (9/16/2024) | 0.32 (4/22/2015) | (0.05 - 0.32)/(47 - 10) | -0.0072973 |
| 0.322 (12/11/2024) | 0.32 (4/22/2015) | (0.322 - 0.32)/(48 - 10) | 5.26316e-05 |
| 0.493 (2/18/2025) | 0.32 (4/22/2015) | (0.493 - 0.32)/(49 - 10) | 0.0044359 |
| | | | |
| 0.24 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.24 - 0.1)/(12 - 11) | 0.14 |
| 0.32 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.32 - 0.1)/(13 - 11) | 0.11 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.11 - 0.1)/(16 - 11) | 0.002 |
| 0.25 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.25 - 0.1)/(17 - 11) | 0.025 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(20 - 11) | 0.00222222 |
| 0.495 (3/27/2018) | ND<0.1 U (9/30/2015) | (0.495 - 0.1)/(21 - 11) | 0.0395 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (9/30/2015) | (0.226 - 0.1)/(23 - 11) | 0.0105 |
| 0.451 (12/11/2018) | ND<0.1 U (9/30/2015) | (0.451 - 0.1)/(24 - 11) | 0.027 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (9/30/2015) | (0.211 - 0.1)/(28 - 11) | 0.00652941 |
| 0.233 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.233 - 0.1)/(29 - 11) | 0.00738889 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.405 - 0.1)/(32 - 11) | 0.0145238 |
| 0.163 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.163 - 0.1)/(33 - 11) | 0.00286364 |
| 7.64 (5/5/2021) | ND<0.1 U (9/30/2015) | (7.64 - 0.1)/(34 - 11) | 0.327826 |
| 0.189 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.189 - 0.1)/(35 - 11) | 0.00370833 |
| 0.16 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.16 - 0.1)/(36 - 11) | 0.0024 |
| 0.295 (1/10/2022) | ND<0.1 U (9/30/2015) | (0.295 - 0.1)/(37 - 11) | 0.0075 |
| 0.304 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.304 - 0.1)/(38 - 11) | 0.00755556 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (9/30/2015) | (0.459 - 0.1)/(41 - 11) | 0.0119667 |
| 0.358 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.358 - 0.1)/(42 - 11) | 0.00832258 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.098 - 0.1)/(44 - 11) | -6.06061e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.426 - 0.1)/(45 - 11) | 0.00958824 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(46 - 11) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.322 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.322 - 0.1)/(48 - 11) | 0.006 |
| 0.493 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.493 - 0.1)/(49 - 11) | 0.0103421 |

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|---|---|---|---|
| 0.32 (3/15/2016) | 0.24 (11/19/2015) | (0.32 - 0.24)/(13 - 12) | 0.08 |
| ND<0.1 U (6/29/2016) | 0.24 (11/19/2015) | (0.1 - 0.24)/(14 - 12) | -0.07 |
| ND<0.1 U (8/9/2016) | 0.24 (11/19/2015) | (0.1 - 0.24)/(15 - 12) | -0.0466667 |
| 0.11 (12/7/2016) | 0.24 (11/19/2015) | (0.11 - 0.24)/(16 - 12) | -0.0325 |
| 0.25 (3/2/2017) | 0.24 (11/19/2015) | (0.25 - 0.24)/(17 - 12) | 0.002 |
| ND<0.1 U (6/21/2017) | 0.24 (11/19/2015) | (0.1 - 0.24)/(18 - 12) | -0.0233333 |
| ND<0.1 U (8/17/2017) | 0.24 (11/19/2015) | (0.1 - 0.24)/(19 - 12) | -0.02 |
| 0.12 (10/26/2017) | 0.24 (11/19/2015) | (0.12 - 0.24)/(20 - 12) | -0.015 |
| 0.495 (3/27/2018) | 0.24 (11/19/2015) | (0.495 - 0.24)/(21 - 12) | 0.0283333 |
| ND<0.1 U (6/26/2018) | 0.24 (11/19/2015) | (0.1 - 0.24)/(22 - 12) | -0.014 |
| 0.226 (8/1/2018) | 0.24 (11/19/2015) | (0.226 - 0.24)/(23 - 12) | -0.00127273 |
| 0.451 (12/11/2018) | 0.24 (11/19/2015) | (0.451 - 0.24)/(24 - 12) | 0.0175833 |
| ND<0.1 U (4/17/2019) | 0.24 (11/19/2015) | (0.1 - 0.24)/(25 - 12) | -0.0107692 |
| ND<0.1 U (6/11/2019) | 0.24 (11/19/2015) | (0.1 - 0.24)/(26 - 12) | -0.01 |
| ND<0.1 U (8/28/2019) | 0.24 (11/19/2015) | (0.1 - 0.24)/(27 - 12) | -0.00933333 |
| 0.211 (10/28/2019) | 0.24 (11/19/2015) | (0.211 - 0.24)/(28 - 12) | -0.0018125 |
| 0.233 (3/31/2020) | 0.24 (11/19/2015) | (0.233 - 0.24)/(29 - 12) | -0.000411765 |
| ND<0.1 U (6/10/2020) | 0.24 (11/19/2015) | (0.1 - 0.24)/(30 - 12) | -0.00777778 |
| ND<0.1 U (9/21/2020) | 0.24 (11/19/2015) | (0.1 - 0.24)/(31 - 12) | -0.00736842 |
| 0.405 (12/17/2020) | 0.24 (11/19/2015) | (0.405 - 0.24)/(32 - 12) | 0.00825 |

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|---|---|---|---|
| 0.163 (3/18/2021) | 0.24 (11/19/2015) | (0.163 - 0.24)/(33 - 12) | -0.00366667 |
| 7.64 (5/5/2021) | 0.24 (11/19/2015) | (7.64 - 0.24)/(34 - 12) | 0.336364 |
| 0.189 (9/2/2021) | 0.24 (11/19/2015) | (0.189 - 0.24)/(35 - 12) | -0.00221739 |
| 0.16 (11/23/2021) | 0.24 (11/19/2015) | (0.16 - 0.24)/(36 - 12) | -0.00333333 |
| 0.295 (1/10/2022) | 0.24 (11/19/2015) | (0.295 - 0.24)/(37 - 12) | 0.0022 |
| 0.304 (4/7/2022) | 0.24 (11/19/2015) | (0.304 - 0.24)/(38 - 12) | 0.00246154 |
| ND<0.1 U (8/3/2022) | 0.24 (11/19/2015) | (0.1 - 0.24)/(39 - 12) | -0.00518519 |
| ND<0.1 U (11/16/2022) | 0.24 (11/19/2015) | (0.1 - 0.24)/(40 - 12) | -0.005 |
| 0.459 (2/13/2023) | 0.24 (11/19/2015) | (0.459 - 0.24)/(41 - 12) | 0.00755172 |
| 0.358 (5/24/2023) | 0.24 (11/19/2015) | (0.358 - 0.24)/(42 - 12) | 0.00393333 |
| ND<0.1 U (8/7/2023) | 0.24 (11/19/2015) | (0.1 - 0.24)/(43 - 12) | -0.00451613 |
| 0.098 (12/12/2023) | 0.24 (11/19/2015) | (0.098 - 0.24)/(44 - 12) | -0.0044375 |
| 0.426 (1/10/2024) | 0.24 (11/19/2015) | (0.426 - 0.24)/(45 - 12) | 0.00563636 |
| ND<0.1 U (5/20/2024) | 0.24 (11/19/2015) | (0.1 - 0.24)/(46 - 12) | -0.00411765 |
| ND<0.05 U (9/16/2024) | 0.24 (11/19/2015) | (0.05 - 0.24)/(47 - 12) | -0.00542857 |
| 0.322 (12/11/2024) | 0.24 (11/19/2015) | (0.322 - 0.24)/(48 - 12) | 0.00227778 |
| 0.493 (2/18/2025) | 0.24 (11/19/2015) | (0.493 - 0.24)/(49 - 12) | 0.00683784 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.32 (3/15/2016) | (0.1 - 0.32)/(14 - 13) | -0.22 |
| ND<0.1 U (8/9/2016) | 0.32 (3/15/2016) | (0.1 - 0.32)/(15 - 13) | -0.11 |
| 0.11 (12/7/2016) | 0.32 (3/15/2016) | (0.11 - 0.32)/(16 - 13) | -0.07 |
| 0.25 (3/2/2017) | 0.32 (3/15/2016) | (0.25 - 0.32)/(17 - 13) | -0.0175 |
| ND<0.1 U (6/21/2017) | 0.32 (3/15/2016) | (0.1 - 0.32)/(18 - 13) | -0.044 |
| ND<0.1 U (8/17/2017) | 0.32 (3/15/2016) | (0.1 - 0.32)/(19 - 13) | -0.0366667 |
| 0.12 (10/26/2017) | 0.32 (3/15/2016) | (0.12 - 0.32)/(20 - 13) | -0.0285714 |
| 0.495 (3/27/2018) | 0.32 (3/15/2016) | (0.495 - 0.32)/(21 - 13) | 0.021875 |
| ND<0.1 U (6/26/2018) | 0.32 (3/15/2016) | (0.1 - 0.32)/(22 - 13) | -0.0244444 |
| 0.226 (8/1/2018) | 0.32 (3/15/2016) | (0.226 - 0.32)/(23 - 13) | -0.0094 |
| 0.451 (12/11/2018) | 0.32 (3/15/2016) | (0.451 - 0.32)/(24 - 13) | 0.0119091 |
| ND<0.1 U (4/17/2019) | 0.32 (3/15/2016) | (0.1 - 0.32)/(25 - 13) | -0.0183333 |
| ND<0.1 U (6/11/2019) | 0.32 (3/15/2016) | (0.1 - 0.32)/(26 - 13) | -0.0169231 |
| ND<0.1 U (8/28/2019) | 0.32 (3/15/2016) | (0.1 - 0.32)/(27 - 13) | -0.0157143 |
| 0.211 (10/28/2019) | 0.32 (3/15/2016) | (0.211 - 0.32)/(28 - 13) | -0.00726667 |
| 0.233 (3/31/2020) | 0.32 (3/15/2016) | (0.233 - 0.32)/(29 - 13) | -0.0054375 |
| ND<0.1 U (6/10/2020) | 0.32 (3/15/2016) | (0.1 - 0.32)/(30 - 13) | -0.0129412 |
| ND<0.1 U (9/21/2020) | 0.32 (3/15/2016) | (0.1 - 0.32)/(31 - 13) | -0.0122222 |
| 0.405 (12/17/2020) | 0.32 (3/15/2016) | (0.405 - 0.32)/(32 - 13) | 0.00447368 |
| 0.163 (3/18/2021) | 0.32 (3/15/2016) | (0.163 - 0.32)/(33 - 13) | -0.00785 |
| 7.64 (5/5/2021) | 0.32 (3/15/2016) | (7.64 - 0.32)/(34 - 13) | 0.348571 |
| 0.189 (9/2/2021) | 0.32 (3/15/2016) | (0.189 - 0.32)/(35 - 13) | -0.00595455 |
| 0.16 (11/23/2021) | 0.32 (3/15/2016) | (0.16 - 0.32)/(36 - 13) | -0.00695652 |
| 0.295 (1/10/2022) | 0.32 (3/15/2016) | (0.295 - 0.32)/(37 - 13) | -0.00104167 |
| 0.304 (4/7/2022) | 0.32 (3/15/2016) | (0.304 - 0.32)/(38 - 13) | -0.00064 |
| ND<0.1 U (8/3/2022) | 0.32 (3/15/2016) | (0.1 - 0.32)/(39 - 13) | -0.00846154 |
| ND<0.1 U (11/16/2022) | 0.32 (3/15/2016) | (0.1 - 0.32)/(40 - 13) | -0.00814815 |
| 0.459 (2/13/2023) | 0.32 (3/15/2016) | (0.459 - 0.32)/(41 - 13) | 0.00496429 |
| 0.358 (5/24/2023) | 0.32 (3/15/2016) | (0.358 - 0.32)/(42 - 13) | 0.00131034 |
| ND<0.1 U (8/7/2023) | 0.32 (3/15/2016) | (0.1 - 0.32)/(43 - 13) | -0.00733333 |
| 0.098 (12/12/2023) | 0.32 (3/15/2016) | (0.098 - 0.32)/(44 - 13) | -0.00716129 |
| 0.426 (1/10/2024) | 0.32 (3/15/2016) | (0.426 - 0.32)/(45 - 13) | 0.0033125 |
| ND<0.1 U (5/20/2024) | 0.32 (3/15/2016) | (0.1 - 0.32)/(46 - 13) | -0.00666667 |
| ND<0.05 U (9/16/2024) | 0.32 (3/15/2016) | (0.05 - 0.32)/(47 - 13) | -0.00794118 |
| 0.322 (12/11/2024) | 0.32 (3/15/2016) | (0.322 - 0.32)/(48 - 13) | 5.71429e-05 |
| 0.493 (2/18/2025) | 0.32 (3/15/2016) | (0.493 - 0.32)/(49 - 13) | 0.00480556 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.11 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.11 - 0.1)/(16 - 14) | 0.005 |

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|---|---|---|---|
| 0.25 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.25 - 0.1)/(17 - 14) | 0.05 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(20 - 14) | 0.00333333 |
| 0.495 (3/27/2018) | ND<0.1 U (6/29/2016) | (0.495 - 0.1)/(21 - 14) | 0.0564286 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.226 - 0.1)/(23 - 14) | 0.014 |
| 0.451 (12/11/2018) | ND<0.1 U (6/29/2016) | (0.451 - 0.1)/(24 - 14) | 0.0351 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (6/29/2016) | (0.211 - 0.1)/(28 - 14) | 0.00792857 |
| 0.233 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.233 - 0.1)/(29 - 14) | 0.00886667 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.405 - 0.1)/(32 - 14) | 0.0169444 |
| 0.163 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.163 - 0.1)/(33 - 14) | 0.00331579 |
| 7.64 (5/5/2021) | ND<0.1 U (6/29/2016) | (7.64 - 0.1)/(34 - 14) | 0.377 |
| 0.189 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.189 - 0.1)/(35 - 14) | 0.0042381 |
| 0.16 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.16 - 0.1)/(36 - 14) | 0.00272727 |
| 0.295 (1/10/2022) | ND<0.1 U (6/29/2016) | (0.295 - 0.1)/(37 - 14) | 0.00847826 |
| 0.304 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.304 - 0.1)/(38 - 14) | 0.0085 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (6/29/2016) | (0.459 - 0.1)/(41 - 14) | 0.0132963 |
| 0.358 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.358 - 0.1)/(42 - 14) | 0.00921429 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.098 - 0.1)/(44 - 14) | -6.66667e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.426 - 0.1)/(45 - 14) | 0.0105161 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(46 - 14) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.322 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.322 - 0.1)/(48 - 14) | 0.00652941 |
| 0.493 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.493 - 0.1)/(49 - 14) | 0.0112286 |

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|---|---|---|---|
| 0.11 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.11 - 0.1)/(16 - 15) | 0.01 |
| 0.25 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.25 - 0.1)/(17 - 15) | 0.075 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(20 - 15) | 0.004 |
| 0.495 (3/27/2018) | ND<0.1 U (8/9/2016) | (0.495 - 0.1)/(21 - 15) | 0.0658333 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (8/9/2016) | (0.226 - 0.1)/(23 - 15) | 0.01575 |
| 0.451 (12/11/2018) | ND<0.1 U (8/9/2016) | (0.451 - 0.1)/(24 - 15) | 0.039 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (8/9/2016) | (0.211 - 0.1)/(28 - 15) | 0.00853846 |
| 0.233 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.233 - 0.1)/(29 - 15) | 0.0095 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.405 - 0.1)/(32 - 15) | 0.0179412 |
| 0.163 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.163 - 0.1)/(33 - 15) | 0.0035 |
| 7.64 (5/5/2021) | ND<0.1 U (8/9/2016) | (7.64 - 0.1)/(34 - 15) | 0.396842 |
| 0.189 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.189 - 0.1)/(35 - 15) | 0.00445 |
| 0.16 (11/23/2021) | ND<0.1 U (8/9/2016) | (0.16 - 0.1)/(36 - 15) | 0.00285714 |
| 0.295 (1/10/2022) | ND<0.1 U (8/9/2016) | (0.295 - 0.1)/(37 - 15) | 0.00886364 |
| 0.304 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.304 - 0.1)/(38 - 15) | 0.00886957 |

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|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (8/9/2016) | (0.459 - 0.1)/(41 - 15) | 0.0138077 |
| 0.358 (5/24/2023) | ND<0.1 U (8/9/2016) | (0.358 - 0.1)/(42 - 15) | 0.00955556 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(43 - 15) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.098 - 0.1)/(44 - 15) | -6.89655e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.426 - 0.1)/(45 - 15) | 0.0108667 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(46 - 15) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(47 - 15) | -0.0015625 |
| 0.322 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.322 - 0.1)/(48 - 15) | 0.00672727 |
| 0.493 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.493 - 0.1)/(49 - 15) | 0.0115588 |
| | | | |
| 0.25 (3/2/2017) | 0.11 (12/7/2016) | (0.25 - 0.11)/(17 - 16) | 0.14 |
| ND<0.1 U (6/21/2017) | 0.11 (12/7/2016) | (0.1 - 0.11)/(18 - 16) | -0.005 |
| ND<0.1 U (8/17/2017) | 0.11 (12/7/2016) | (0.1 - 0.11)/(19 - 16) | -0.00333333 |
| 0.12 (10/26/2017) | 0.11 (12/7/2016) | (0.12 - 0.11)/(20 - 16) | 0.0025 |
| 0.495 (3/27/2018) | 0.11 (12/7/2016) | (0.495 - 0.11)/(21 - 16) | 0.077 |
| ND<0.1 U (6/26/2018) | 0.11 (12/7/2016) | (0.1 - 0.11)/(22 - 16) | -0.00166667 |
| 0.226 (8/1/2018) | 0.11 (12/7/2016) | (0.226 - 0.11)/(23 - 16) | 0.0165714 |
| 0.451 (12/11/2018) | 0.11 (12/7/2016) | (0.451 - 0.11)/(24 - 16) | 0.042625 |
| ND<0.1 U (4/17/2019) | 0.11 (12/7/2016) | (0.1 - 0.11)/(25 - 16) | -0.00111111 |
| ND<0.1 U (6/11/2019) | 0.11 (12/7/2016) | (0.1 - 0.11)/(26 - 16) | -0.001 |
| ND<0.1 U (8/28/2019) | 0.11 (12/7/2016) | (0.1 - 0.11)/(27 - 16) | -0.000909091 |
| 0.211 (10/28/2019) | 0.11 (12/7/2016) | (0.211 - 0.11)/(28 - 16) | 0.00841667 |
| 0.233 (3/31/2020) | 0.11 (12/7/2016) | (0.233 - 0.11)/(29 - 16) | 0.00946154 |
| ND<0.1 U (6/10/2020) | 0.11 (12/7/2016) | (0.1 - 0.11)/(30 - 16) | -0.000714286 |
| ND<0.1 U (9/21/2020) | 0.11 (12/7/2016) | (0.1 - 0.11)/(31 - 16) | -0.000666667 |
| 0.405 (12/17/2020) | 0.11 (12/7/2016) | (0.405 - 0.11)/(32 - 16) | 0.0184375 |
| 0.163 (3/18/2021) | 0.11 (12/7/2016) | (0.163 - 0.11)/(33 - 16) | 0.00311765 |
| 7.64 (5/5/2021) | 0.11 (12/7/2016) | (7.64 - 0.11)/(34 - 16) | 0.418333 |
| 0.189 (9/2/2021) | 0.11 (12/7/2016) | (0.189 - 0.11)/(35 - 16) | 0.00415789 |
| 0.16 (11/23/2021) | 0.11 (12/7/2016) | (0.16 - 0.11)/(36 - 16) | 0.0025 |
| 0.295 (1/10/2022) | 0.11 (12/7/2016) | (0.295 - 0.11)/(37 - 16) | 0.00880952 |
| 0.304 (4/7/2022) | 0.11 (12/7/2016) | (0.304 - 0.11)/(38 - 16) | 0.00881818 |
| ND<0.1 U (8/3/2022) | 0.11 (12/7/2016) | (0.1 - 0.11)/(39 - 16) | -0.000434783 |
| ND<0.1 U (11/16/2022) | 0.11 (12/7/2016) | (0.1 - 0.11)/(40 - 16) | -0.000416667 |
| 0.459 (2/13/2023) | 0.11 (12/7/2016) | (0.459 - 0.11)/(41 - 16) | 0.01396 |
| 0.358 (5/24/2023) | 0.11 (12/7/2016) | (0.358 - 0.11)/(42 - 16) | 0.00953846 |
| ND<0.1 U (8/7/2023) | 0.11 (12/7/2016) | (0.1 - 0.11)/(43 - 16) | -0.00037037 |
| 0.098 (12/12/2023) | 0.11 (12/7/2016) | (0.098 - 0.11)/(44 - 16) | -0.000428571 |
| 0.426 (1/10/2024) | 0.11 (12/7/2016) | (0.426 - 0.11)/(45 - 16) | 0.0108966 |
| ND<0.1 U (5/20/2024) | 0.11 (12/7/2016) | (0.1 - 0.11)/(46 - 16) | -0.000333333 |
| ND<0.05 U (9/16/2024) | 0.11 (12/7/2016) | (0.05 - 0.11)/(47 - 16) | -0.00193548 |
| 0.322 (12/11/2024) | 0.11 (12/7/2016) | (0.322 - 0.11)/(48 - 16) | 0.006625 |
| 0.493 (2/18/2025) | 0.11 (12/7/2016) | (0.493 - 0.11)/(49 - 16) | 0.0116061 |
| | | | |
| ND<0.1 U (6/21/2017) | 0.25 (3/2/2017) | (0.1 - 0.25)/(18 - 17) | -0.15 |
| ND<0.1 U (8/17/2017) | 0.25 (3/2/2017) | (0.1 - 0.25)/(19 - 17) | -0.075 |
| 0.12 (10/26/2017) | 0.25 (3/2/2017) | (0.12 - 0.25)/(20 - 17) | -0.0433333 |
| 0.495 (3/27/2018) | 0.25 (3/2/2017) | (0.495 - 0.25)/(21 - 17) | 0.06125 |
| ND<0.1 U (6/26/2018) | 0.25 (3/2/2017) | (0.1 - 0.25)/(22 - 17) | -0.03 |
| 0.226 (8/1/2018) | 0.25 (3/2/2017) | (0.226 - 0.25)/(23 - 17) | -0.004 |
| 0.451 (12/11/2018) | 0.25 (3/2/2017) | (0.451 - 0.25)/(24 - 17) | 0.0287143 |
| ND<0.1 U (4/17/2019) | 0.25 (3/2/2017) | (0.1 - 0.25)/(25 - 17) | -0.01875 |
| ND<0.1 U (6/11/2019) | 0.25 (3/2/2017) | (0.1 - 0.25)/(26 - 17) | -0.0166667 |
| ND<0.1 U (8/28/2019) | 0.25 (3/2/2017) | (0.1 - 0.25)/(27 - 17) | -0.015 |
| 0.211 (10/28/2019) | 0.25 (3/2/2017) | (0.211 - 0.25)/(28 - 17) | -0.00354545 |

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|---|---|---|---|
| 0.233 (3/31/2020) | 0.25 (3/2/2017) | (0.233 - 0.25)/(29 - 17) | -0.00141667 |
| ND<0.1 U (6/10/2020) | 0.25 (3/2/2017) | (0.1 - 0.25)/(30 - 17) | -0.0115385 |
| ND<0.1 U (9/21/2020) | 0.25 (3/2/2017) | (0.1 - 0.25)/(31 - 17) | -0.0107143 |
| 0.405 (12/17/2020) | 0.25 (3/2/2017) | (0.405 - 0.25)/(32 - 17) | 0.0103333 |
| 0.163 (3/18/2021) | 0.25 (3/2/2017) | (0.163 - 0.25)/(33 - 17) | -0.0054375 |
| 7.64 (5/5/2021) | 0.25 (3/2/2017) | (7.64 - 0.25)/(34 - 17) | 0.434706 |
| 0.189 (9/2/2021) | 0.25 (3/2/2017) | (0.189 - 0.25)/(35 - 17) | -0.00338889 |
| 0.16 (11/23/2021) | 0.25 (3/2/2017) | (0.16 - 0.25)/(36 - 17) | -0.00473684 |
| 0.295 (1/10/2022) | 0.25 (3/2/2017) | (0.295 - 0.25)/(37 - 17) | 0.00225 |
| 0.304 (4/7/2022) | 0.25 (3/2/2017) | (0.304 - 0.25)/(38 - 17) | 0.00257143 |
| ND<0.1 U (8/3/2022) | 0.25 (3/2/2017) | (0.1 - 0.25)/(39 - 17) | -0.00681818 |
| ND<0.1 U (11/16/2022) | 0.25 (3/2/2017) | (0.1 - 0.25)/(40 - 17) | -0.00652174 |
| 0.459 (2/13/2023) | 0.25 (3/2/2017) | (0.459 - 0.25)/(41 - 17) | 0.00870833 |
| 0.358 (5/24/2023) | 0.25 (3/2/2017) | (0.358 - 0.25)/(42 - 17) | 0.00432 |
| ND<0.1 U (8/7/2023) | 0.25 (3/2/2017) | (0.1 - 0.25)/(43 - 17) | -0.00576923 |
| 0.098 (12/12/2023) | 0.25 (3/2/2017) | (0.098 - 0.25)/(44 - 17) | -0.00562963 |
| 0.426 (1/10/2024) | 0.25 (3/2/2017) | (0.426 - 0.25)/(45 - 17) | 0.00628571 |
| ND<0.1 U (5/20/2024) | 0.25 (3/2/2017) | (0.1 - 0.25)/(46 - 17) | -0.00517241 |
| ND<0.05 U (9/16/2024) | 0.25 (3/2/2017) | (0.05 - 0.25)/(47 - 17) | -0.00666667 |
| 0.322 (12/11/2024) | 0.25 (3/2/2017) | (0.322 - 0.25)/(48 - 17) | 0.00232258 |
| 0.493 (2/18/2025) | 0.25 (3/2/2017) | (0.493 - 0.25)/(49 - 17) | 0.00759375 |
| | | | |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| 0.12 (10/26/2017) | ND<0.1 U (6/21/2017) | (0.12 - 0.1)/(20 - 18) | 0.01 |
| 0.495 (3/27/2018) | ND<0.1 U (6/21/2017) | (0.495 - 0.1)/(21 - 18) | 0.131667 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| 0.226 (8/1/2018) | ND<0.1 U (6/21/2017) | (0.226 - 0.1)/(23 - 18) | 0.0252 |
| 0.451 (12/11/2018) | ND<0.1 U (6/21/2017) | (0.451 - 0.1)/(24 - 18) | 0.0585 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (6/21/2017) | (0.211 - 0.1)/(28 - 18) | 0.0111 |
| 0.233 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.233 - 0.1)/(29 - 18) | 0.0120909 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (6/21/2017) | (0.405 - 0.1)/(32 - 18) | 0.0217857 |
| 0.163 (3/18/2021) | ND<0.1 U (6/21/2017) | (0.163 - 0.1)/(33 - 18) | 0.0042 |
| 7.64 (5/5/2021) | ND<0.1 U (6/21/2017) | (7.64 - 0.1)/(34 - 18) | 0.47125 |
| 0.189 (9/2/2021) | ND<0.1 U (6/21/2017) | (0.189 - 0.1)/(35 - 18) | 0.00523529 |
| 0.16 (11/23/2021) | ND<0.1 U (6/21/2017) | (0.16 - 0.1)/(36 - 18) | 0.00333333 |
| 0.295 (1/10/2022) | ND<0.1 U (6/21/2017) | (0.295 - 0.1)/(37 - 18) | 0.0102632 |
| 0.304 (4/7/2022) | ND<0.1 U (6/21/2017) | (0.304 - 0.1)/(38 - 18) | 0.0102 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (6/21/2017) | (0.459 - 0.1)/(41 - 18) | 0.0156087 |
| 0.358 (5/24/2023) | ND<0.1 U (6/21/2017) | (0.358 - 0.1)/(42 - 18) | 0.01075 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(43 - 18) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (6/21/2017) | (0.098 - 0.1)/(44 - 18) | -7.69231e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (6/21/2017) | (0.426 - 0.1)/(45 - 18) | 0.0120741 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(46 - 18) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/21/2017) | (0.05 - 0.1)/(47 - 18) | -0.00172414 |
| 0.322 (12/11/2024) | ND<0.1 U (6/21/2017) | (0.322 - 0.1)/(48 - 18) | 0.0074 |
| 0.493 (2/18/2025) | ND<0.1 U (6/21/2017) | (0.493 - 0.1)/(49 - 18) | 0.0126774 |
| | | | |
| 0.12 (10/26/2017) | ND<0.1 U (8/17/2017) | (0.12 - 0.1)/(20 - 19) | 0.02 |
| 0.495 (3/27/2018) | ND<0.1 U (8/17/2017) | (0.495 - 0.1)/(21 - 19) | 0.1975 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(22 - 19) | 0 |

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|---|---|---|---|
| 0.226 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.226 - 0.1)/(23 - 19) | 0.0315 |
| 0.451 (12/11/2018) | ND<0.1 U (8/17/2017) | (0.451 - 0.1)/(24 - 19) | 0.0702 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (8/17/2017) | (0.211 - 0.1)/(28 - 19) | 0.0123333 |
| 0.233 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.233 - 0.1)/(29 - 19) | 0.0133 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (8/17/2017) | (0.405 - 0.1)/(32 - 19) | 0.0234615 |
| 0.163 (3/18/2021) | ND<0.1 U (8/17/2017) | (0.163 - 0.1)/(33 - 19) | 0.0045 |
| 7.64 (5/5/2021) | ND<0.1 U (8/17/2017) | (7.64 - 0.1)/(34 - 19) | 0.502667 |
| 0.189 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.189 - 0.1)/(35 - 19) | 0.0055625 |
| 0.16 (11/23/2021) | ND<0.1 U (8/17/2017) | (0.16 - 0.1)/(36 - 19) | 0.00352941 |
| 0.295 (1/10/2022) | ND<0.1 U (8/17/2017) | (0.295 - 0.1)/(37 - 19) | 0.0108333 |
| 0.304 (4/7/2022) | ND<0.1 U (8/17/2017) | (0.304 - 0.1)/(38 - 19) | 0.0107368 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (8/17/2017) | (0.459 - 0.1)/(41 - 19) | 0.0163182 |
| 0.358 (5/24/2023) | ND<0.1 U (8/17/2017) | (0.358 - 0.1)/(42 - 19) | 0.0112174 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(43 - 19) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (8/17/2017) | (0.098 - 0.1)/(44 - 19) | -8e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (8/17/2017) | (0.426 - 0.1)/(45 - 19) | 0.0125385 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(46 - 19) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/17/2017) | (0.05 - 0.1)/(47 - 19) | -0.00178571 |
| 0.322 (12/11/2024) | ND<0.1 U (8/17/2017) | (0.322 - 0.1)/(48 - 19) | 0.00765517 |
| 0.493 (2/18/2025) | ND<0.1 U (8/17/2017) | (0.493 - 0.1)/(49 - 19) | 0.0131 |

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|---|---|---|---|
| 0.495 (3/27/2018) | 0.12 (10/26/2017) | (0.495 - 0.12)/(21 - 20) | 0.375 |
| ND<0.1 U (6/26/2018) | 0.12 (10/26/2017) | (0.1 - 0.12)/(22 - 20) | -0.01 |
| 0.226 (8/1/2018) | 0.12 (10/26/2017) | (0.226 - 0.12)/(23 - 20) | 0.0353333 |
| 0.451 (12/11/2018) | 0.12 (10/26/2017) | (0.451 - 0.12)/(24 - 20) | 0.08275 |
| ND<0.1 U (4/17/2019) | 0.12 (10/26/2017) | (0.1 - 0.12)/(25 - 20) | -0.004 |
| ND<0.1 U (6/11/2019) | 0.12 (10/26/2017) | (0.1 - 0.12)/(26 - 20) | -0.00333333 |
| ND<0.1 U (8/28/2019) | 0.12 (10/26/2017) | (0.1 - 0.12)/(27 - 20) | -0.00285714 |
| 0.211 (10/28/2019) | 0.12 (10/26/2017) | (0.211 - 0.12)/(28 - 20) | 0.011375 |
| 0.233 (3/31/2020) | 0.12 (10/26/2017) | (0.233 - 0.12)/(29 - 20) | 0.0125556 |
| ND<0.1 U (6/10/2020) | 0.12 (10/26/2017) | (0.1 - 0.12)/(30 - 20) | -0.002 |
| ND<0.1 U (9/21/2020) | 0.12 (10/26/2017) | (0.1 - 0.12)/(31 - 20) | -0.00181818 |
| 0.405 (12/17/2020) | 0.12 (10/26/2017) | (0.405 - 0.12)/(32 - 20) | 0.02375 |
| 0.163 (3/18/2021) | 0.12 (10/26/2017) | (0.163 - 0.12)/(33 - 20) | 0.00330769 |
| 7.64 (5/5/2021) | 0.12 (10/26/2017) | (7.64 - 0.12)/(34 - 20) | 0.537143 |
| 0.189 (9/2/2021) | 0.12 (10/26/2017) | (0.189 - 0.12)/(35 - 20) | 0.0046 |
| 0.16 (11/23/2021) | 0.12 (10/26/2017) | (0.16 - 0.12)/(36 - 20) | 0.0025 |
| 0.295 (1/10/2022) | 0.12 (10/26/2017) | (0.295 - 0.12)/(37 - 20) | 0.0102941 |
| 0.304 (4/7/2022) | 0.12 (10/26/2017) | (0.304 - 0.12)/(38 - 20) | 0.0102222 |
| ND<0.1 U (8/3/2022) | 0.12 (10/26/2017) | (0.1 - 0.12)/(39 - 20) | -0.00105263 |
| ND<0.1 U (11/16/2022) | 0.12 (10/26/2017) | (0.1 - 0.12)/(40 - 20) | -0.001 |
| 0.459 (2/13/2023) | 0.12 (10/26/2017) | (0.459 - 0.12)/(41 - 20) | 0.0161429 |
| 0.358 (5/24/2023) | 0.12 (10/26/2017) | (0.358 - 0.12)/(42 - 20) | 0.0108182 |
| ND<0.1 U (8/7/2023) | 0.12 (10/26/2017) | (0.1 - 0.12)/(43 - 20) | -0.000869565 |
| 0.098 (12/12/2023) | 0.12 (10/26/2017) | (0.098 - 0.12)/(44 - 20) | -0.000916667 |
| 0.426 (1/10/2024) | 0.12 (10/26/2017) | (0.426 - 0.12)/(45 - 20) | 0.01224 |
| ND<0.1 U (5/20/2024) | 0.12 (10/26/2017) | (0.1 - 0.12)/(46 - 20) | -0.000769231 |
| ND<0.05 U (9/16/2024) | 0.12 (10/26/2017) | (0.05 - 0.12)/(47 - 20) | -0.00259259 |
| 0.322 (12/11/2024) | 0.12 (10/26/2017) | (0.322 - 0.12)/(48 - 20) | 0.00721429 |
| 0.493 (2/18/2025) | 0.12 (10/26/2017) | (0.493 - 0.12)/(49 - 20) | 0.0128621 |

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|---|---|---|---|
| ND<0.1 U (6/26/2018) | 0.495 (3/27/2018) | (0.1 - 0.495)/(22 - 21) | -0.395 |
| 0.226 (8/1/2018) | 0.495 (3/27/2018) | (0.226 - 0.495)/(23 - 21) | -0.1345 |
| 0.451 (12/11/2018) | 0.495 (3/27/2018) | (0.451 - 0.495)/(24 - 21) | -0.0146667 |
| ND<0.1 U (4/17/2019) | 0.495 (3/27/2018) | (0.1 - 0.495)/(25 - 21) | -0.09875 |
| ND<0.1 U (6/11/2019) | 0.495 (3/27/2018) | (0.1 - 0.495)/(26 - 21) | -0.079 |
| ND<0.1 U (8/28/2019) | 0.495 (3/27/2018) | (0.1 - 0.495)/(27 - 21) | -0.0658333 |
| 0.211 (10/28/2019) | 0.495 (3/27/2018) | (0.211 - 0.495)/(28 - 21) | -0.0405714 |
| 0.233 (3/31/2020) | 0.495 (3/27/2018) | (0.233 - 0.495)/(29 - 21) | -0.03275 |
| ND<0.1 U (6/10/2020) | 0.495 (3/27/2018) | (0.1 - 0.495)/(30 - 21) | -0.0438889 |
| ND<0.1 U (9/21/2020) | 0.495 (3/27/2018) | (0.1 - 0.495)/(31 - 21) | -0.0395 |
| 0.405 (12/17/2020) | 0.495 (3/27/2018) | (0.405 - 0.495)/(32 - 21) | -0.00818182 |
| 0.163 (3/18/2021) | 0.495 (3/27/2018) | (0.163 - 0.495)/(33 - 21) | -0.0276667 |
| 7.64 (5/5/2021) | 0.495 (3/27/2018) | (7.64 - 0.495)/(34 - 21) | 0.549615 |
| 0.189 (9/2/2021) | 0.495 (3/27/2018) | (0.189 - 0.495)/(35 - 21) | -0.0218571 |
| 0.16 (11/23/2021) | 0.495 (3/27/2018) | (0.16 - 0.495)/(36 - 21) | -0.0223333 |
| 0.295 (1/10/2022) | 0.495 (3/27/2018) | (0.295 - 0.495)/(37 - 21) | -0.0125 |
| 0.304 (4/7/2022) | 0.495 (3/27/2018) | (0.304 - 0.495)/(38 - 21) | -0.0112353 |
| ND<0.1 U (8/3/2022) | 0.495 (3/27/2018) | (0.1 - 0.495)/(39 - 21) | -0.0219444 |
| ND<0.1 U (11/16/2022) | 0.495 (3/27/2018) | (0.1 - 0.495)/(40 - 21) | -0.0207895 |
| 0.459 (2/13/2023) | 0.495 (3/27/2018) | (0.459 - 0.495)/(41 - 21) | -0.0018 |
| 0.358 (5/24/2023) | 0.495 (3/27/2018) | (0.358 - 0.495)/(42 - 21) | -0.00652381 |
| ND<0.1 U (8/7/2023) | 0.495 (3/27/2018) | (0.1 - 0.495)/(43 - 21) | -0.0179545 |
| 0.098 (12/12/2023) | 0.495 (3/27/2018) | (0.098 - 0.495)/(44 - 21) | -0.0172609 |
| 0.426 (1/10/2024) | 0.495 (3/27/2018) | (0.426 - 0.495)/(45 - 21) | -0.002875 |
| ND<0.1 U (5/20/2024) | 0.495 (3/27/2018) | (0.1 - 0.495)/(46 - 21) | -0.0158 |
| ND<0.05 U (9/16/2024) | 0.495 (3/27/2018) | (0.05 - 0.495)/(47 - 21) | -0.0171154 |
| 0.322 (12/11/2024) | 0.495 (3/27/2018) | (0.322 - 0.495)/(48 - 21) | -0.00640741 |
| 0.493 (2/18/2025) | 0.495 (3/27/2018) | (0.493 - 0.495)/(49 - 21) | -7.14286e-05 |

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|---|---|---|---|
| 0.226 (8/1/2018) | ND<0.1 U (6/26/2018) | (0.226 - 0.1)/(23 - 22) | 0.126 |
| 0.451 (12/11/2018) | ND<0.1 U (6/26/2018) | (0.451 - 0.1)/(24 - 22) | 0.1755 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (6/26/2018) | (0.211 - 0.1)/(28 - 22) | 0.0185 |
| 0.233 (3/31/2020) | ND<0.1 U (6/26/2018) | (0.233 - 0.1)/(29 - 22) | 0.019 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (6/26/2018) | (0.405 - 0.1)/(32 - 22) | 0.0305 |
| 0.163 (3/18/2021) | ND<0.1 U (6/26/2018) | (0.163 - 0.1)/(33 - 22) | 0.00572727 |
| 7.64 (5/5/2021) | ND<0.1 U (6/26/2018) | (7.64 - 0.1)/(34 - 22) | 0.628333 |
| 0.189 (9/2/2021) | ND<0.1 U (6/26/2018) | (0.189 - 0.1)/(35 - 22) | 0.00684615 |
| 0.16 (11/23/2021) | ND<0.1 U (6/26/2018) | (0.16 - 0.1)/(36 - 22) | 0.00428571 |
| 0.295 (1/10/2022) | ND<0.1 U (6/26/2018) | (0.295 - 0.1)/(37 - 22) | 0.013 |
| 0.304 (4/7/2022) | ND<0.1 U (6/26/2018) | (0.304 - 0.1)/(38 - 22) | 0.01275 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (6/26/2018) | (0.459 - 0.1)/(41 - 22) | 0.0188947 |
| 0.358 (5/24/2023) | ND<0.1 U (6/26/2018) | (0.358 - 0.1)/(42 - 22) | 0.0129 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(43 - 22) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (6/26/2018) | (0.098 - 0.1)/(44 - 22) | -9.09091e-05 |
| 0.426 (1/10/2024) | ND<0.1 U (6/26/2018) | (0.426 - 0.1)/(45 - 22) | 0.0141739 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(46 - 22) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2018) | (0.05 - 0.1)/(47 - 22) | -0.002 |
| 0.322 (12/11/2024) | ND<0.1 U (6/26/2018) | (0.322 - 0.1)/(48 - 22) | 0.00853846 |
| 0.493 (2/18/2025) | ND<0.1 U (6/26/2018) | (0.493 - 0.1)/(49 - 22) | 0.0145556 |

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|---|---|---|---|
| 0.451 (12/11/2018) | 0.226 (8/1/2018) | (0.451 - 0.226)/(24 - 23) | 0.225 |
| ND<0.1 U (4/17/2019) | 0.226 (8/1/2018) | (0.1 - 0.226)/(25 - 23) | -0.063 |
| ND<0.1 U (6/11/2019) | 0.226 (8/1/2018) | (0.1 - 0.226)/(26 - 23) | -0.042 |
| ND<0.1 U (8/28/2019) | 0.226 (8/1/2018) | (0.1 - 0.226)/(27 - 23) | -0.0315 |
| 0.211 (10/28/2019) | 0.226 (8/1/2018) | (0.211 - 0.226)/(28 - 23) | -0.003 |
| 0.233 (3/31/2020) | 0.226 (8/1/2018) | (0.233 - 0.226)/(29 - 23) | 0.00116667 |
| ND<0.1 U (6/10/2020) | 0.226 (8/1/2018) | (0.1 - 0.226)/(30 - 23) | -0.018 |
| ND<0.1 U (9/21/2020) | 0.226 (8/1/2018) | (0.1 - 0.226)/(31 - 23) | -0.01575 |
| 0.405 (12/17/2020) | 0.226 (8/1/2018) | (0.405 - 0.226)/(32 - 23) | 0.0198889 |
| 0.163 (3/18/2021) | 0.226 (8/1/2018) | (0.163 - 0.226)/(33 - 23) | -0.0063 |
| 7.64 (5/5/2021) | 0.226 (8/1/2018) | (7.64 - 0.226)/(34 - 23) | 0.674 |
| 0.189 (9/2/2021) | 0.226 (8/1/2018) | (0.189 - 0.226)/(35 - 23) | -0.00308333 |
| 0.16 (11/23/2021) | 0.226 (8/1/2018) | (0.16 - 0.226)/(36 - 23) | -0.00507692 |
| 0.295 (1/10/2022) | 0.226 (8/1/2018) | (0.295 - 0.226)/(37 - 23) | 0.00492857 |
| 0.304 (4/7/2022) | 0.226 (8/1/2018) | (0.304 - 0.226)/(38 - 23) | 0.0052 |
| ND<0.1 U (8/3/2022) | 0.226 (8/1/2018) | (0.1 - 0.226)/(39 - 23) | -0.007875 |
| ND<0.1 U (11/16/2022) | 0.226 (8/1/2018) | (0.1 - 0.226)/(40 - 23) | -0.00741176 |
| 0.459 (2/13/2023) | 0.226 (8/1/2018) | (0.459 - 0.226)/(41 - 23) | 0.0129444 |
| 0.358 (5/24/2023) | 0.226 (8/1/2018) | (0.358 - 0.226)/(42 - 23) | 0.00694737 |
| ND<0.1 U (8/7/2023) | 0.226 (8/1/2018) | (0.1 - 0.226)/(43 - 23) | -0.0063 |
| 0.098 (12/12/2023) | 0.226 (8/1/2018) | (0.098 - 0.226)/(44 - 23) | -0.00609524 |
| 0.426 (1/10/2024) | 0.226 (8/1/2018) | (0.426 - 0.226)/(45 - 23) | 0.00909091 |
| ND<0.1 U (5/20/2024) | 0.226 (8/1/2018) | (0.1 - 0.226)/(46 - 23) | -0.00547826 |
| ND<0.05 U (9/16/2024) | 0.226 (8/1/2018) | (0.05 - 0.226)/(47 - 23) | -0.00733333 |
| 0.322 (12/11/2024) | 0.226 (8/1/2018) | (0.322 - 0.226)/(48 - 23) | 0.00384 |
| 0.493 (2/18/2025) | 0.226 (8/1/2018) | (0.493 - 0.226)/(49 - 23) | 0.0102692 |
| | | | |
| ND<0.1 U (4/17/2019) | 0.451 (12/11/2018) | (0.1 - 0.451)/(25 - 24) | -0.351 |
| ND<0.1 U (6/11/2019) | 0.451 (12/11/2018) | (0.1 - 0.451)/(26 - 24) | -0.1755 |
| ND<0.1 U (8/28/2019) | 0.451 (12/11/2018) | (0.1 - 0.451)/(27 - 24) | -0.117 |
| 0.211 (10/28/2019) | 0.451 (12/11/2018) | (0.211 - 0.451)/(28 - 24) | -0.06 |
| 0.233 (3/31/2020) | 0.451 (12/11/2018) | (0.233 - 0.451)/(29 - 24) | -0.0436 |
| ND<0.1 U (6/10/2020) | 0.451 (12/11/2018) | (0.1 - 0.451)/(30 - 24) | -0.0585 |
| ND<0.1 U (9/21/2020) | 0.451 (12/11/2018) | (0.1 - 0.451)/(31 - 24) | -0.0501429 |
| 0.405 (12/17/2020) | 0.451 (12/11/2018) | (0.405 - 0.451)/(32 - 24) | -0.00575 |
| 0.163 (3/18/2021) | 0.451 (12/11/2018) | (0.163 - 0.451)/(33 - 24) | -0.032 |
| 7.64 (5/5/2021) | 0.451 (12/11/2018) | (7.64 - 0.451)/(34 - 24) | 0.7189 |
| 0.189 (9/2/2021) | 0.451 (12/11/2018) | (0.189 - 0.451)/(35 - 24) | -0.0238182 |
| 0.16 (11/23/2021) | 0.451 (12/11/2018) | (0.16 - 0.451)/(36 - 24) | -0.02425 |
| 0.295 (1/10/2022) | 0.451 (12/11/2018) | (0.295 - 0.451)/(37 - 24) | -0.012 |
| 0.304 (4/7/2022) | 0.451 (12/11/2018) | (0.304 - 0.451)/(38 - 24) | -0.0105 |
| ND<0.1 U (8/3/2022) | 0.451 (12/11/2018) | (0.1 - 0.451)/(39 - 24) | -0.0234 |
| ND<0.1 U (11/16/2022) | 0.451 (12/11/2018) | (0.1 - 0.451)/(40 - 24) | -0.0219375 |
| 0.459 (2/13/2023) | 0.451 (12/11/2018) | (0.459 - 0.451)/(41 - 24) | 0.000470588 |
| 0.358 (5/24/2023) | 0.451 (12/11/2018) | (0.358 - 0.451)/(42 - 24) | -0.00516667 |
| ND<0.1 U (8/7/2023) | 0.451 (12/11/2018) | (0.1 - 0.451)/(43 - 24) | -0.0184737 |
| 0.098 (12/12/2023) | 0.451 (12/11/2018) | (0.098 - 0.451)/(44 - 24) | -0.01765 |
| 0.426 (1/10/2024) | 0.451 (12/11/2018) | (0.426 - 0.451)/(45 - 24) | -0.00119048 |
| ND<0.1 U (5/20/2024) | 0.451 (12/11/2018) | (0.1 - 0.451)/(46 - 24) | -0.0159545 |
| ND<0.05 U (9/16/2024) | 0.451 (12/11/2018) | (0.05 - 0.451)/(47 - 24) | -0.0174348 |
| 0.322 (12/11/2024) | 0.451 (12/11/2018) | (0.322 - 0.451)/(48 - 24) | -0.005375 |
| 0.493 (2/18/2025) | 0.451 (12/11/2018) | (0.493 - 0.451)/(49 - 24) | 0.00168 |
| | | | |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(27 - 25) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (4/17/2019) | (0.211 - 0.1)/(28 - 25) | 0.037 |

| | | | |
|---|---|---|---|
| 0.233 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.233 - 0.1)/(29 - 25) | 0.03325 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (4/17/2019) | (0.405 - 0.1)/(32 - 25) | 0.0435714 |
| 0.163 (3/18/2021) | ND<0.1 U (4/17/2019) | (0.163 - 0.1)/(33 - 25) | 0.007875 |
| 7.64 (5/5/2021) | ND<0.1 U (4/17/2019) | (7.64 - 0.1)/(34 - 25) | 0.837778 |
| 0.189 (9/2/2021) | ND<0.1 U (4/17/2019) | (0.189 - 0.1)/(35 - 25) | 0.0089 |
| 0.16 (11/23/2021) | ND<0.1 U (4/17/2019) | (0.16 - 0.1)/(36 - 25) | 0.00545455 |
| 0.295 (1/10/2022) | ND<0.1 U (4/17/2019) | (0.295 - 0.1)/(37 - 25) | 0.01625 |
| 0.304 (4/7/2022) | ND<0.1 U (4/17/2019) | (0.304 - 0.1)/(38 - 25) | 0.0156923 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (4/17/2019) | (0.459 - 0.1)/(41 - 25) | 0.0224375 |
| 0.358 (5/24/2023) | ND<0.1 U (4/17/2019) | (0.358 - 0.1)/(42 - 25) | 0.0151765 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(43 - 25) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (4/17/2019) | (0.098 - 0.1)/(44 - 25) | -0.000105263 |
| 0.426 (1/10/2024) | ND<0.1 U (4/17/2019) | (0.426 - 0.1)/(45 - 25) | 0.0163 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(46 - 25) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (4/17/2019) | (0.05 - 0.1)/(47 - 25) | -0.00227273 |
| 0.322 (12/11/2024) | ND<0.1 U (4/17/2019) | (0.322 - 0.1)/(48 - 25) | 0.00965217 |
| 0.493 (2/18/2025) | ND<0.1 U (4/17/2019) | (0.493 - 0.1)/(49 - 25) | 0.016375 |
| | | | |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| 0.211 (10/28/2019) | ND<0.1 U (6/11/2019) | (0.211 - 0.1)/(28 - 26) | 0.0555 |
| 0.233 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.233 - 0.1)/(29 - 26) | 0.0443333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (6/11/2019) | (0.405 - 0.1)/(32 - 26) | 0.0508333 |
| 0.163 (3/18/2021) | ND<0.1 U (6/11/2019) | (0.163 - 0.1)/(33 - 26) | 0.009 |
| 7.64 (5/5/2021) | ND<0.1 U (6/11/2019) | (7.64 - 0.1)/(34 - 26) | 0.9425 |
| 0.189 (9/2/2021) | ND<0.1 U (6/11/2019) | (0.189 - 0.1)/(35 - 26) | 0.00988889 |
| 0.16 (11/23/2021) | ND<0.1 U (6/11/2019) | (0.16 - 0.1)/(36 - 26) | 0.006 |
| 0.295 (1/10/2022) | ND<0.1 U (6/11/2019) | (0.295 - 0.1)/(37 - 26) | 0.0177273 |
| 0.304 (4/7/2022) | ND<0.1 U (6/11/2019) | (0.304 - 0.1)/(38 - 26) | 0.017 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (6/11/2019) | (0.459 - 0.1)/(41 - 26) | 0.0239333 |
| 0.358 (5/24/2023) | ND<0.1 U (6/11/2019) | (0.358 - 0.1)/(42 - 26) | 0.016125 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(43 - 26) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (6/11/2019) | (0.098 - 0.1)/(44 - 26) | -0.000111111 |
| 0.426 (1/10/2024) | ND<0.1 U (6/11/2019) | (0.426 - 0.1)/(45 - 26) | 0.0171579 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(46 - 26) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/11/2019) | (0.05 - 0.1)/(47 - 26) | -0.00238095 |
| 0.322 (12/11/2024) | ND<0.1 U (6/11/2019) | (0.322 - 0.1)/(48 - 26) | 0.0100909 |
| 0.493 (2/18/2025) | ND<0.1 U (6/11/2019) | (0.493 - 0.1)/(49 - 26) | 0.017087 |
| | | | |
| 0.211 (10/28/2019) | ND<0.1 U (8/28/2019) | (0.211 - 0.1)/(28 - 27) | 0.111 |
| 0.233 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.233 - 0.1)/(29 - 27) | 0.0665 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (8/28/2019) | (0.405 - 0.1)/(32 - 27) | 0.061 |
| 0.163 (3/18/2021) | ND<0.1 U (8/28/2019) | (0.163 - 0.1)/(33 - 27) | 0.0105 |
| 7.64 (5/5/2021) | ND<0.1 U (8/28/2019) | (7.64 - 0.1)/(34 - 27) | 1.07714 |
| 0.189 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.189 - 0.1)/(35 - 27) | 0.011125 |
| 0.16 (11/23/2021) | ND<0.1 U (8/28/2019) | (0.16 - 0.1)/(36 - 27) | 0.00666667 |
| 0.295 (1/10/2022) | ND<0.1 U (8/28/2019) | (0.295 - 0.1)/(37 - 27) | 0.0195 |
| 0.304 (4/7/2022) | ND<0.1 U (8/28/2019) | (0.304 - 0.1)/(38 - 27) | 0.0185455 |

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|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (8/28/2019) | (0.459 - 0.1)/(41 - 27) | 0.0256429 |
| 0.358 (5/24/2023) | ND<0.1 U (8/28/2019) | (0.358 - 0.1)/(42 - 27) | 0.0172 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (8/28/2019) | (0.098 - 0.1)/(44 - 27) | -0.000117647 |
| 0.426 (1/10/2024) | ND<0.1 U (8/28/2019) | (0.426 - 0.1)/(45 - 27) | 0.0181111 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(46 - 27) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/28/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.322 (12/11/2024) | ND<0.1 U (8/28/2019) | (0.322 - 0.1)/(48 - 27) | 0.0105714 |
| 0.493 (2/18/2025) | ND<0.1 U (8/28/2019) | (0.493 - 0.1)/(49 - 27) | 0.0178636 |
| | | | |
| 0.233 (3/31/2020) | 0.211 (10/28/2019) | (0.233 - 0.211)/(29 - 28) | 0.022 |
| ND<0.1 U (6/10/2020) | 0.211 (10/28/2019) | (0.1 - 0.211)/(30 - 28) | -0.0555 |
| ND<0.1 U (9/21/2020) | 0.211 (10/28/2019) | (0.1 - 0.211)/(31 - 28) | -0.037 |
| 0.405 (12/17/2020) | 0.211 (10/28/2019) | (0.405 - 0.211)/(32 - 28) | 0.0485 |
| 0.163 (3/18/2021) | 0.211 (10/28/2019) | (0.163 - 0.211)/(33 - 28) | -0.0096 |
| 7.64 (5/5/2021) | 0.211 (10/28/2019) | (7.64 - 0.211)/(34 - 28) | 1.23817 |
| 0.189 (9/2/2021) | 0.211 (10/28/2019) | (0.189 - 0.211)/(35 - 28) | -0.00314286 |
| 0.16 (11/23/2021) | 0.211 (10/28/2019) | (0.16 - 0.211)/(36 - 28) | -0.006375 |
| 0.295 (1/10/2022) | 0.211 (10/28/2019) | (0.295 - 0.211)/(37 - 28) | 0.00933333 |
| 0.304 (4/7/2022) | 0.211 (10/28/2019) | (0.304 - 0.211)/(38 - 28) | 0.0093 |
| ND<0.1 U (8/3/2022) | 0.211 (10/28/2019) | (0.1 - 0.211)/(39 - 28) | -0.0100909 |
| ND<0.1 U (11/16/2022) | 0.211 (10/28/2019) | (0.1 - 0.211)/(40 - 28) | -0.00925 |
| 0.459 (2/13/2023) | 0.211 (10/28/2019) | (0.459 - 0.211)/(41 - 28) | 0.0190769 |
| 0.358 (5/24/2023) | 0.211 (10/28/2019) | (0.358 - 0.211)/(42 - 28) | 0.0105 |
| ND<0.1 U (8/7/2023) | 0.211 (10/28/2019) | (0.1 - 0.211)/(43 - 28) | -0.0074 |
| 0.098 (12/12/2023) | 0.211 (10/28/2019) | (0.098 - 0.211)/(44 - 28) | -0.0070625 |
| 0.426 (1/10/2024) | 0.211 (10/28/2019) | (0.426 - 0.211)/(45 - 28) | 0.0126471 |
| ND<0.1 U (5/20/2024) | 0.211 (10/28/2019) | (0.1 - 0.211)/(46 - 28) | -0.00616667 |
| ND<0.05 U (9/16/2024) | 0.211 (10/28/2019) | (0.05 - 0.211)/(47 - 28) | -0.00847368 |
| 0.322 (12/11/2024) | 0.211 (10/28/2019) | (0.322 - 0.211)/(48 - 28) | 0.00555 |
| 0.493 (2/18/2025) | 0.211 (10/28/2019) | (0.493 - 0.211)/(49 - 28) | 0.0134286 |
| | | | |
| ND<0.1 U (6/10/2020) | 0.233 (3/31/2020) | (0.1 - 0.233)/(30 - 29) | -0.133 |
| ND<0.1 U (9/21/2020) | 0.233 (3/31/2020) | (0.1 - 0.233)/(31 - 29) | -0.0665 |
| 0.405 (12/17/2020) | 0.233 (3/31/2020) | (0.405 - 0.233)/(32 - 29) | 0.0573333 |
| 0.163 (3/18/2021) | 0.233 (3/31/2020) | (0.163 - 0.233)/(33 - 29) | -0.0175 |
| 7.64 (5/5/2021) | 0.233 (3/31/2020) | (7.64 - 0.233)/(34 - 29) | 1.4814 |
| 0.189 (9/2/2021) | 0.233 (3/31/2020) | (0.189 - 0.233)/(35 - 29) | -0.00733333 |
| 0.16 (11/23/2021) | 0.233 (3/31/2020) | (0.16 - 0.233)/(36 - 29) | -0.0104286 |
| 0.295 (1/10/2022) | 0.233 (3/31/2020) | (0.295 - 0.233)/(37 - 29) | 0.00775 |
| 0.304 (4/7/2022) | 0.233 (3/31/2020) | (0.304 - 0.233)/(38 - 29) | 0.00788889 |
| ND<0.1 U (8/3/2022) | 0.233 (3/31/2020) | (0.1 - 0.233)/(39 - 29) | -0.0133 |
| ND<0.1 U (11/16/2022) | 0.233 (3/31/2020) | (0.1 - 0.233)/(40 - 29) | -0.0120909 |
| 0.459 (2/13/2023) | 0.233 (3/31/2020) | (0.459 - 0.233)/(41 - 29) | 0.0188333 |
| 0.358 (5/24/2023) | 0.233 (3/31/2020) | (0.358 - 0.233)/(42 - 29) | 0.00961538 |
| ND<0.1 U (8/7/2023) | 0.233 (3/31/2020) | (0.1 - 0.233)/(43 - 29) | -0.0095 |
| 0.098 (12/12/2023) | 0.233 (3/31/2020) | (0.098 - 0.233)/(44 - 29) | -0.009 |
| 0.426 (1/10/2024) | 0.233 (3/31/2020) | (0.426 - 0.233)/(45 - 29) | 0.0120625 |
| ND<0.1 U (5/20/2024) | 0.233 (3/31/2020) | (0.1 - 0.233)/(46 - 29) | -0.00782353 |
| ND<0.05 U (9/16/2024) | 0.233 (3/31/2020) | (0.05 - 0.233)/(47 - 29) | -0.0101667 |
| 0.322 (12/11/2024) | 0.233 (3/31/2020) | (0.322 - 0.233)/(48 - 29) | 0.00468421 |
| 0.493 (2/18/2025) | 0.233 (3/31/2020) | (0.493 - 0.233)/(49 - 29) | 0.013 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| 0.405 (12/17/2020) | ND<0.1 U (6/10/2020) | (0.405 - 0.1)/(32 - 30) | 0.1525 |

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|---|---|---|---|
| 0.163 (3/18/2021) | ND<0.1 U (6/10/2020) | (0.163 - 0.1)/(33 - 30) | 0.021 |
| 7.64 (5/5/2021) | ND<0.1 U (6/10/2020) | (7.64 - 0.1)/(34 - 30) | 1.885 |
| 0.189 (9/2/2021) | ND<0.1 U (6/10/2020) | (0.189 - 0.1)/(35 - 30) | 0.0178 |
| 0.16 (11/23/2021) | ND<0.1 U (6/10/2020) | (0.16 - 0.1)/(36 - 30) | 0.01 |
| 0.295 (1/10/2022) | ND<0.1 U (6/10/2020) | (0.295 - 0.1)/(37 - 30) | 0.0278571 |
| 0.304 (4/7/2022) | ND<0.1 U (6/10/2020) | (0.304 - 0.1)/(38 - 30) | 0.0255 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (6/10/2020) | (0.459 - 0.1)/(41 - 30) | 0.0326364 |
| 0.358 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.358 - 0.1)/(42 - 30) | 0.0215 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(43 - 30) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.098 - 0.1)/(44 - 30) | -0.000142857 |
| 0.426 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.426 - 0.1)/(45 - 30) | 0.0217333 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(46 - 30) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/10/2020) | (0.05 - 0.1)/(47 - 30) | -0.00294118 |
| 0.322 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.322 - 0.1)/(48 - 30) | 0.0123333 |
| 0.493 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.493 - 0.1)/(49 - 30) | 0.0206842 |
| | | | |
| 0.405 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.405 - 0.1)/(32 - 31) | 0.305 |
| 0.163 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.163 - 0.1)/(33 - 31) | 0.0315 |
| 7.64 (5/5/2021) | ND<0.1 U (9/21/2020) | (7.64 - 0.1)/(34 - 31) | 2.51333 |
| 0.189 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.189 - 0.1)/(35 - 31) | 0.02225 |
| 0.16 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.16 - 0.1)/(36 - 31) | 0.012 |
| 0.295 (1/10/2022) | ND<0.1 U (9/21/2020) | (0.295 - 0.1)/(37 - 31) | 0.0325 |
| 0.304 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.304 - 0.1)/(38 - 31) | 0.0291429 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (9/21/2020) | (0.459 - 0.1)/(41 - 31) | 0.0359 |
| 0.358 (5/24/2023) | ND<0.1 U (9/21/2020) | (0.358 - 0.1)/(42 - 31) | 0.0234545 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(43 - 31) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.098 - 0.1)/(44 - 31) | -0.000153846 |
| 0.426 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.426 - 0.1)/(45 - 31) | 0.0232857 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(46 - 31) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(47 - 31) | -0.003125 |
| 0.322 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.322 - 0.1)/(48 - 31) | 0.0130588 |
| 0.493 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.493 - 0.1)/(49 - 31) | 0.0218333 |
| | | | |
| 0.163 (3/18/2021) | 0.405 (12/17/2020) | (0.163 - 0.405)/(33 - 32) | -0.242 |
| 7.64 (5/5/2021) | 0.405 (12/17/2020) | (7.64 - 0.405)/(34 - 32) | 3.6175 |
| 0.189 (9/2/2021) | 0.405 (12/17/2020) | (0.189 - 0.405)/(35 - 32) | -0.072 |
| 0.16 (11/23/2021) | 0.405 (12/17/2020) | (0.16 - 0.405)/(36 - 32) | -0.06125 |
| 0.295 (1/10/2022) | 0.405 (12/17/2020) | (0.295 - 0.405)/(37 - 32) | -0.022 |
| 0.304 (4/7/2022) | 0.405 (12/17/2020) | (0.304 - 0.405)/(38 - 32) | -0.0168333 |
| ND<0.1 U (8/3/2022) | 0.405 (12/17/2020) | (0.1 - 0.405)/(39 - 32) | -0.0435714 |
| ND<0.1 U (11/16/2022) | 0.405 (12/17/2020) | (0.1 - 0.405)/(40 - 32) | -0.038125 |
| 0.459 (2/13/2023) | 0.405 (12/17/2020) | (0.459 - 0.405)/(41 - 32) | 0.006 |
| 0.358 (5/24/2023) | 0.405 (12/17/2020) | (0.358 - 0.405)/(42 - 32) | -0.0047 |
| ND<0.1 U (8/7/2023) | 0.405 (12/17/2020) | (0.1 - 0.405)/(43 - 32) | -0.0277273 |
| 0.098 (12/12/2023) | 0.405 (12/17/2020) | (0.098 - 0.405)/(44 - 32) | -0.0255833 |
| 0.426 (1/10/2024) | 0.405 (12/17/2020) | (0.426 - 0.405)/(45 - 32) | 0.00161538 |
| ND<0.1 U (5/20/2024) | 0.405 (12/17/2020) | (0.1 - 0.405)/(46 - 32) | -0.0217857 |
| ND<0.05 U (9/16/2024) | 0.405 (12/17/2020) | (0.05 - 0.405)/(47 - 32) | -0.0236667 |
| 0.322 (12/11/2024) | 0.405 (12/17/2020) | (0.322 - 0.405)/(48 - 32) | -0.0051875 |
| 0.493 (2/18/2025) | 0.405 (12/17/2020) | (0.493 - 0.405)/(49 - 32) | 0.00517647 |
| | | | |
| 7.64 (5/5/2021) | 0.163 (3/18/2021) | (7.64 - 0.163)/(34 - 33) | 7.477 |
| 0.189 (9/2/2021) | 0.163 (3/18/2021) | (0.189 - 0.163)/(35 - 33) | 0.013 |

| | | | |
|---|---|---|---|
| 0.16 (11/23/2021) | 0.163 (3/18/2021) | (0.16 - 0.163)/(36 - 33) | -0.001 |
| 0.295 (1/10/2022) | 0.163 (3/18/2021) | (0.295 - 0.163)/(37 - 33) | 0.033 |
| 0.304 (4/7/2022) | 0.163 (3/18/2021) | (0.304 - 0.163)/(38 - 33) | 0.0282 |
| ND<0.1 U (8/3/2022) | 0.163 (3/18/2021) | (0.1 - 0.163)/(39 - 33) | -0.0105 |
| ND<0.1 U (11/16/2022) | 0.163 (3/18/2021) | (0.1 - 0.163)/(40 - 33) | -0.009 |
| 0.459 (2/13/2023) | 0.163 (3/18/2021) | (0.459 - 0.163)/(41 - 33) | 0.037 |
| 0.358 (5/24/2023) | 0.163 (3/18/2021) | (0.358 - 0.163)/(42 - 33) | 0.0216667 |
| ND<0.1 U (8/7/2023) | 0.163 (3/18/2021) | (0.1 - 0.163)/(43 - 33) | -0.0063 |
| 0.098 (12/12/2023) | 0.163 (3/18/2021) | (0.098 - 0.163)/(44 - 33) | -0.00590909 |
| 0.426 (1/10/2024) | 0.163 (3/18/2021) | (0.426 - 0.163)/(45 - 33) | 0.0219167 |
| ND<0.1 U (5/20/2024) | 0.163 (3/18/2021) | (0.1 - 0.163)/(46 - 33) | -0.00484615 |
| ND<0.05 U (9/16/2024) | 0.163 (3/18/2021) | (0.05 - 0.163)/(47 - 33) | -0.00807143 |
| 0.322 (12/11/2024) | 0.163 (3/18/2021) | (0.322 - 0.163)/(48 - 33) | 0.0106 |
| 0.493 (2/18/2025) | 0.163 (3/18/2021) | (0.493 - 0.163)/(49 - 33) | 0.020625 |
| | | | |
| 0.189 (9/2/2021) | 7.64 (5/5/2021) | (0.189 - 7.64)/(35 - 34) | -7.451 |
| 0.16 (11/23/2021) | 7.64 (5/5/2021) | (0.16 - 7.64)/(36 - 34) | -3.74 |
| 0.295 (1/10/2022) | 7.64 (5/5/2021) | (0.295 - 7.64)/(37 - 34) | -2.44833 |
| 0.304 (4/7/2022) | 7.64 (5/5/2021) | (0.304 - 7.64)/(38 - 34) | -1.834 |
| ND<0.1 U (8/3/2022) | 7.64 (5/5/2021) | (0.1 - 7.64)/(39 - 34) | -1.508 |
| ND<0.1 U (11/16/2022) | 7.64 (5/5/2021) | (0.1 - 7.64)/(40 - 34) | -1.25667 |
| 0.459 (2/13/2023) | 7.64 (5/5/2021) | (0.459 - 7.64)/(41 - 34) | -1.02586 |
| 0.358 (5/24/2023) | 7.64 (5/5/2021) | (0.358 - 7.64)/(42 - 34) | -0.91025 |
| ND<0.1 U (8/7/2023) | 7.64 (5/5/2021) | (0.1 - 7.64)/(43 - 34) | -0.837778 |
| 0.098 (12/12/2023) | 7.64 (5/5/2021) | (0.098 - 7.64)/(44 - 34) | -0.7542 |
| 0.426 (1/10/2024) | 7.64 (5/5/2021) | (0.426 - 7.64)/(45 - 34) | -0.655818 |
| ND<0.1 U (5/20/2024) | 7.64 (5/5/2021) | (0.1 - 7.64)/(46 - 34) | -0.628333 |
| ND<0.05 U (9/16/2024) | 7.64 (5/5/2021) | (0.05 - 7.64)/(47 - 34) | -0.583846 |
| 0.322 (12/11/2024) | 7.64 (5/5/2021) | (0.322 - 7.64)/(48 - 34) | -0.522714 |
| 0.493 (2/18/2025) | 7.64 (5/5/2021) | (0.493 - 7.64)/(49 - 34) | -0.476467 |
| | | | |
| 0.16 (11/23/2021) | 0.189 (9/2/2021) | (0.16 - 0.189)/(36 - 35) | -0.029 |
| 0.295 (1/10/2022) | 0.189 (9/2/2021) | (0.295 - 0.189)/(37 - 35) | 0.053 |
| 0.304 (4/7/2022) | 0.189 (9/2/2021) | (0.304 - 0.189)/(38 - 35) | 0.0383333 |
| ND<0.1 U (8/3/2022) | 0.189 (9/2/2021) | (0.1 - 0.189)/(39 - 35) | -0.02225 |
| ND<0.1 U (11/16/2022) | 0.189 (9/2/2021) | (0.1 - 0.189)/(40 - 35) | -0.0178 |
| 0.459 (2/13/2023) | 0.189 (9/2/2021) | (0.459 - 0.189)/(41 - 35) | 0.045 |
| 0.358 (5/24/2023) | 0.189 (9/2/2021) | (0.358 - 0.189)/(42 - 35) | 0.0241429 |
| ND<0.1 U (8/7/2023) | 0.189 (9/2/2021) | (0.1 - 0.189)/(43 - 35) | -0.011125 |
| 0.098 (12/12/2023) | 0.189 (9/2/2021) | (0.098 - 0.189)/(44 - 35) | -0.0101111 |
| 0.426 (1/10/2024) | 0.189 (9/2/2021) | (0.426 - 0.189)/(45 - 35) | 0.0237 |
| ND<0.1 U (5/20/2024) | 0.189 (9/2/2021) | (0.1 - 0.189)/(46 - 35) | -0.00809091 |
| ND<0.05 U (9/16/2024) | 0.189 (9/2/2021) | (0.05 - 0.189)/(47 - 35) | -0.0115833 |
| 0.322 (12/11/2024) | 0.189 (9/2/2021) | (0.322 - 0.189)/(48 - 35) | 0.0102308 |
| 0.493 (2/18/2025) | 0.189 (9/2/2021) | (0.493 - 0.189)/(49 - 35) | 0.0217143 |
| | | | |
| 0.295 (1/10/2022) | 0.16 (11/23/2021) | (0.295 - 0.16)/(37 - 36) | 0.135 |
| 0.304 (4/7/2022) | 0.16 (11/23/2021) | (0.304 - 0.16)/(38 - 36) | 0.072 |
| ND<0.1 U (8/3/2022) | 0.16 (11/23/2021) | (0.1 - 0.16)/(39 - 36) | -0.02 |
| ND<0.1 U (11/16/2022) | 0.16 (11/23/2021) | (0.1 - 0.16)/(40 - 36) | -0.015 |
| 0.459 (2/13/2023) | 0.16 (11/23/2021) | (0.459 - 0.16)/(41 - 36) | 0.0598 |
| 0.358 (5/24/2023) | 0.16 (11/23/2021) | (0.358 - 0.16)/(42 - 36) | 0.033 |
| ND<0.1 U (8/7/2023) | 0.16 (11/23/2021) | (0.1 - 0.16)/(43 - 36) | -0.00857143 |
| 0.098 (12/12/2023) | 0.16 (11/23/2021) | (0.098 - 0.16)/(44 - 36) | -0.00775 |
| 0.426 (1/10/2024) | 0.16 (11/23/2021) | (0.426 - 0.16)/(45 - 36) | 0.0295556 |
| ND<0.1 U (5/20/2024) | 0.16 (11/23/2021) | (0.1 - 0.16)/(46 - 36) | -0.006 |
| ND<0.05 U (9/16/2024) | 0.16 (11/23/2021) | (0.05 - 0.16)/(47 - 36) | -0.01 |

| | | | |
|---|---|---|---|
| 0.322 (12/11/2024) | 0.16 (11/23/2021) | (0.322 - 0.16)/(48 - 36) | 0.0135 |
| 0.493 (2/18/2025) | 0.16 (11/23/2021) | (0.493 - 0.16)/(49 - 36) | 0.0256154 |
| | | | |
| 0.304 (4/7/2022) | 0.295 (1/10/2022) | (0.304 - 0.295)/(38 - 37) | 0.009 |
| ND<0.1 U (8/3/2022) | 0.295 (1/10/2022) | (0.1 - 0.295)/(39 - 37) | -0.0975 |
| ND<0.1 U (11/16/2022) | 0.295 (1/10/2022) | (0.1 - 0.295)/(40 - 37) | -0.065 |
| 0.459 (2/13/2023) | 0.295 (1/10/2022) | (0.459 - 0.295)/(41 - 37) | 0.041 |
| 0.358 (5/24/2023) | 0.295 (1/10/2022) | (0.358 - 0.295)/(42 - 37) | 0.0126 |
| ND<0.1 U (8/7/2023) | 0.295 (1/10/2022) | (0.1 - 0.295)/(43 - 37) | -0.0325 |
| 0.098 (12/12/2023) | 0.295 (1/10/2022) | (0.098 - 0.295)/(44 - 37) | -0.0281429 |
| 0.426 (1/10/2024) | 0.295 (1/10/2022) | (0.426 - 0.295)/(45 - 37) | 0.016375 |
| ND<0.1 U (5/20/2024) | 0.295 (1/10/2022) | (0.1 - 0.295)/(46 - 37) | -0.0216667 |
| ND<0.05 U (9/16/2024) | 0.295 (1/10/2022) | (0.05 - 0.295)/(47 - 37) | -0.0245 |
| 0.322 (12/11/2024) | 0.295 (1/10/2022) | (0.322 - 0.295)/(48 - 37) | 0.00245455 |
| 0.493 (2/18/2025) | 0.295 (1/10/2022) | (0.493 - 0.295)/(49 - 37) | 0.0165 |
| | | | |
| ND<0.1 U (8/3/2022) | 0.304 (4/7/2022) | (0.1 - 0.304)/(39 - 38) | -0.204 |
| ND<0.1 U (11/16/2022) | 0.304 (4/7/2022) | (0.1 - 0.304)/(40 - 38) | -0.102 |
| 0.459 (2/13/2023) | 0.304 (4/7/2022) | (0.459 - 0.304)/(41 - 38) | 0.0516667 |
| 0.358 (5/24/2023) | 0.304 (4/7/2022) | (0.358 - 0.304)/(42 - 38) | 0.0135 |
| ND<0.1 U (8/7/2023) | 0.304 (4/7/2022) | (0.1 - 0.304)/(43 - 38) | -0.0408 |
| 0.098 (12/12/2023) | 0.304 (4/7/2022) | (0.098 - 0.304)/(44 - 38) | -0.0343333 |
| 0.426 (1/10/2024) | 0.304 (4/7/2022) | (0.426 - 0.304)/(45 - 38) | 0.0174286 |
| ND<0.1 U (5/20/2024) | 0.304 (4/7/2022) | (0.1 - 0.304)/(46 - 38) | -0.0255 |
| ND<0.05 U (9/16/2024) | 0.304 (4/7/2022) | (0.05 - 0.304)/(47 - 38) | -0.0282222 |
| 0.322 (12/11/2024) | 0.304 (4/7/2022) | (0.322 - 0.304)/(48 - 38) | 0.0018 |
| 0.493 (2/18/2025) | 0.304 (4/7/2022) | (0.493 - 0.304)/(49 - 38) | 0.0171818 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| 0.459 (2/13/2023) | ND<0.1 U (8/3/2022) | (0.459 - 0.1)/(41 - 39) | 0.1795 |
| 0.358 (5/24/2023) | ND<0.1 U (8/3/2022) | (0.358 - 0.1)/(42 - 39) | 0.086 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(43 - 39) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (8/3/2022) | (0.098 - 0.1)/(44 - 39) | -0.0004 |
| 0.426 (1/10/2024) | ND<0.1 U (8/3/2022) | (0.426 - 0.1)/(45 - 39) | 0.0543333 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(46 - 39) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/3/2022) | (0.05 - 0.1)/(47 - 39) | -0.00625 |
| 0.322 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.322 - 0.1)/(48 - 39) | 0.0246667 |
| 0.493 (2/18/2025) | ND<0.1 U (8/3/2022) | (0.493 - 0.1)/(49 - 39) | 0.0393 |
| | | | |
| 0.459 (2/13/2023) | ND<0.1 U (11/16/2022) | (0.459 - 0.1)/(41 - 40) | 0.359 |
| 0.358 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.358 - 0.1)/(42 - 40) | 0.129 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| 0.098 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.098 - 0.1)/(44 - 40) | -0.0005 |
| 0.426 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.426 - 0.1)/(45 - 40) | 0.0652 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(46 - 40) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(47 - 40) | -0.00714286 |
| 0.322 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.322 - 0.1)/(48 - 40) | 0.02775 |
| 0.493 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.493 - 0.1)/(49 - 40) | 0.0436667 |
| | | | |
| 0.358 (5/24/2023) | 0.459 (2/13/2023) | (0.358 - 0.459)/(42 - 41) | -0.101 |
| ND<0.1 U (8/7/2023) | 0.459 (2/13/2023) | (0.1 - 0.459)/(43 - 41) | -0.1795 |
| 0.098 (12/12/2023) | 0.459 (2/13/2023) | (0.098 - 0.459)/(44 - 41) | -0.120333 |
| 0.426 (1/10/2024) | 0.459 (2/13/2023) | (0.426 - 0.459)/(45 - 41) | -0.00825 |
| ND<0.1 U (5/20/2024) | 0.459 (2/13/2023) | (0.1 - 0.459)/(46 - 41) | -0.0718 |
| ND<0.05 U (9/16/2024) | 0.459 (2/13/2023) | (0.05 - 0.459)/(47 - 41) | -0.0681667 |
| 0.322 (12/11/2024) | 0.459 (2/13/2023) | (0.322 - 0.459)/(48 - 41) | -0.0195714 |
| 0.493 (2/18/2025) | 0.459 (2/13/2023) | (0.493 - 0.459)/(49 - 41) | 0.00425 |

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|---|---|---|---|
| ND<0.1 U (8/7/2023) | 0.358 (5/24/2023) | (0.1 - 0.358)/(43 - 42) | -0.258 |
| 0.098 (12/12/2023) | 0.358 (5/24/2023) | (0.098 - 0.358)/(44 - 42) | -0.13 |
| 0.426 (1/10/2024) | 0.358 (5/24/2023) | (0.426 - 0.358)/(45 - 42) | 0.0226667 |
| ND<0.1 U (5/20/2024) | 0.358 (5/24/2023) | (0.1 - 0.358)/(46 - 42) | -0.0645 |
| ND<0.05 U (9/16/2024) | 0.358 (5/24/2023) | (0.05 - 0.358)/(47 - 42) | -0.0616 |
| 0.322 (12/11/2024) | 0.358 (5/24/2023) | (0.322 - 0.358)/(48 - 42) | -0.006 |
| 0.493 (2/18/2025) | 0.358 (5/24/2023) | (0.493 - 0.358)/(49 - 42) | 0.0192857 |
| | | | |
| 0.098 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.098 - 0.1)/(44 - 43) | -0.002 |
| 0.426 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.426 - 0.1)/(45 - 43) | 0.163 |
| ND<0.1 U (5/20/2024) | ND<0.1 U (8/7/2023) | (0.1 - 0.1)/(46 - 43) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.322 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.322 - 0.1)/(48 - 43) | 0.0444 |
| 0.493 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.493 - 0.1)/(49 - 43) | 0.0655 |
| | | | |
| 0.426 (1/10/2024) | 0.098 (12/12/2023) | (0.426 - 0.098)/(45 - 44) | 0.328 |
| ND<0.1 U (5/20/2024) | 0.098 (12/12/2023) | (0.1 - 0.098)/(46 - 44) | 0.001 |
| ND<0.05 U (9/16/2024) | 0.098 (12/12/2023) | (0.05 - 0.098)/(47 - 44) | -0.016 |
| 0.322 (12/11/2024) | 0.098 (12/12/2023) | (0.322 - 0.098)/(48 - 44) | 0.056 |
| 0.493 (2/18/2025) | 0.098 (12/12/2023) | (0.493 - 0.098)/(49 - 44) | 0.079 |
| | | | |
| ND<0.1 U (5/20/2024) | 0.426 (1/10/2024) | (0.1 - 0.426)/(46 - 45) | -0.326 |
| ND<0.05 U (9/16/2024) | 0.426 (1/10/2024) | (0.05 - 0.426)/(47 - 45) | -0.188 |
| 0.322 (12/11/2024) | 0.426 (1/10/2024) | (0.322 - 0.426)/(48 - 45) | -0.0346667 |
| 0.493 (2/18/2025) | 0.426 (1/10/2024) | (0.493 - 0.426)/(49 - 45) | 0.01675 |
| | | | |
| ND<0.05 U (9/16/2024) | ND<0.1 U (5/20/2024) | (0.05 - 0.1)/(47 - 46) | -0.05 |
| 0.322 (12/11/2024) | ND<0.1 U (5/20/2024) | (0.322 - 0.1)/(48 - 46) | 0.111 |
| 0.493 (2/18/2025) | ND<0.1 U (5/20/2024) | (0.493 - 0.1)/(49 - 46) | 0.131 |
| | | | |
| 0.322 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.322 - 0.05)/(48 - 47) | 0.272 |
| 0.493 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.493 - 0.05)/(49 - 47) | 0.2215 |
| | | | |
| 0.493 (2/18/2025) | 0.322 (12/11/2024) | (0.493 - 0.322)/(49 - 48) | 0.171 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -7.451 |
| 2 | -3.74 |
| 3 | -2.44833 |
| 4 | -1.834 |
| 5 | -1.508 |
| 6 | -1.25667 |
| 7 | -1.02586 |
| 8 | -0.91025 |
| 9 | -0.837778 |
| 10 | -0.7542 |
| 11 | -0.655818 |
| 12 | -0.628333 |
| 13 | -0.583846 |
| 14 | -0.522714 |
| 15 | -0.476467 |
| 16 | -0.395 |

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|---|---|
| 17 | -0.351 |
| 18 | -0.326 |
| 19 | -0.32 |
| 20 | -0.26 |
| 21 | -0.258 |
| 22 | -0.242 |
| 23 | -0.22 |
| 24 | -0.22 |
| 25 | -0.204 |
| 26 | -0.188 |
| 27 | -0.1795 |
| 28 | -0.1755 |
| 29 | -0.16 |
| 30 | -0.15 |
| 31 | -0.1345 |
| 32 | -0.133 |
| 33 | -0.13 |
| 34 | -0.120333 |
| 35 | -0.12 |
| 36 | -0.117 |
| 37 | -0.115 |
| 38 | -0.11 |
| 39 | -0.102 |
| 40 | -0.101 |
| 41 | -0.09875 |
| 42 | -0.0975 |
| 43 | -0.079 |
| 44 | -0.0766667 |
| 45 | -0.075 |
| 46 | -0.072 |
| 47 | -0.0718 |
| 48 | -0.07 |
| 49 | -0.07 |
| 50 | -0.0681667 |
| 51 | -0.0666667 |
| 52 | -0.0665 |
| 53 | -0.0658333 |
| 54 | -0.065 |
| 55 | -0.065 |
| 56 | -0.0645 |
| 57 | -0.063 |
| 58 | -0.0616 |
| 59 | -0.06125 |
| 60 | -0.06 |
| 61 | -0.06 |
| 62 | -0.0585 |
| 63 | -0.0555 |
| 64 | -0.055 |
| 65 | -0.0533333 |
| 66 | -0.052 |
| 67 | -0.0501429 |
| 68 | -0.05 |
| 69 | -0.05 |
| 70 | -0.048 |
| 71 | -0.0466667 |
| 72 | -0.044 |
| 73 | -0.044 |

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|---|---|
| 74 | -0.0438889 |
| 75 | -0.0436 |
| 76 | -0.0435714 |
| 77 | -0.0433333 |
| 78 | -0.042 |
| 79 | -0.0408 |
| 80 | -0.0405714 |
| 81 | -0.04 |
| 82 | -0.04 |
| 83 | -0.04 |
| 84 | -0.0395 |
| 85 | -0.038125 |
| 86 | -0.037 |
| 87 | -0.0366667 |
| 88 | -0.0355556 |
| 89 | -0.035 |
| 90 | -0.0346667 |
| 91 | -0.0343333 |
| 92 | -0.0328571 |
| 93 | -0.03275 |
| 94 | -0.0325 |
| 95 | -0.0325 |
| 96 | -0.032 |
| 97 | -0.032 |
| 98 | -0.0315 |
| 99 | -0.03 |
| 100 | -0.029 |
| 101 | -0.0288889 |
| 102 | -0.0285714 |
| 103 | -0.0282222 |
| 104 | -0.0281818 |
| 105 | -0.0281429 |
| 106 | -0.0277273 |
| 107 | -0.0276667 |
| 108 | -0.0275 |
| 109 | -0.0275 |
| 110 | -0.0257143 |
| 111 | -0.0255833 |
| 112 | -0.0255 |
| 113 | -0.0246154 |
| 114 | -0.0245 |
| 115 | -0.0244444 |
| 116 | -0.0244444 |
| 117 | -0.02425 |
| 118 | -0.024 |
| 119 | -0.024 |
| 120 | -0.0238182 |
| 121 | -0.0236667 |
| 122 | -0.0234 |
| 123 | -0.0233333 |
| 124 | -0.0233333 |
| 125 | -0.023 |
| 126 | -0.0228571 |
| 127 | -0.0223333 |
| 128 | -0.02225 |
| 129 | -0.022 |
| 130 | -0.022 |

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| 131 | -0.0219444 |
| 132 | -0.0219375 |
| 133 | -0.0218571 |
| 134 | -0.0217857 |
| 135 | -0.0216667 |
| 136 | -0.0216667 |
| 137 | -0.0209091 |
| 138 | -0.0207895 |
| 139 | -0.02 |
| 140 | -0.02 |
| 141 | -0.02 |
| 142 | -0.02 |
| 143 | -0.02 |
| 144 | -0.02 |
| 145 | -0.02 |
| 146 | -0.02 |
| 147 | -0.02 |
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| 149 | -0.0188235 |
| 150 | -0.01875 |
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| 152 | -0.0184615 |
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| 155 | -0.0183333 |
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| 158 | -0.0178571 |
| 159 | -0.0178 |
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| 161 | -0.0175 |
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| 163 | -0.0174348 |
| 164 | -0.0172609 |
| 165 | -0.0171429 |
| 166 | -0.0171429 |
| 167 | -0.0171429 |
| 168 | -0.0171154 |
| 169 | -0.0169231 |
| 170 | -0.0168333 |
| 171 | -0.0166667 |
| 172 | -0.0164286 |
| 173 | -0.01625 |
| 174 | -0.016 |
| 175 | -0.016 |
| 176 | -0.0159545 |
| 177 | -0.0158 |
| 178 | -0.01575 |
| 179 | -0.0157143 |
| 180 | -0.0157143 |
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| 182 | -0.0153333 |
| 183 | -0.0152941 |
| 184 | -0.0152381 |
| 185 | -0.015 |
| 186 | -0.015 |
| 187 | -0.015 |

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| 188 | -0.015 |
| 189 | -0.015 |
| 190 | -0.0146667 |
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| 192 | -0.0145455 |
| 193 | -0.0141667 |
| 194 | -0.0141176 |
| 195 | -0.014 |
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| 197 | -0.01375 |
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| 200 | -0.0133333 |
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| 202 | -0.013125 |
| 203 | -0.013 |
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| 205 | -0.0129412 |
| 206 | -0.0128 |
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| 213 | -0.0120909 |
| 214 | -0.012 |
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| 222 | -0.0113043 |
| 223 | -0.01125 |
| 224 | -0.0112353 |
| 225 | -0.011125 |
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| 244 | -0.01 |

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| 260 | -0.00909091 |
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| 288 | -0.00780488 |
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| 295 | -0.00741176 |
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| 519 | -5.26316e-05 |
| 520 | -5e-05 |
| 521 | -4.87805e-05 |
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| 678 | 5.71429e-05 |
| 679 | 0.00015 |
| 680 | 0.0004 |
| 681 | 0.000428571 |
| 682 | 0.000439024 |
| 683 | 0.000470588 |
| 684 | 0.000619048 |
| 685 | 0.00065 |
| 686 | 0.000736842 |
| 687 | 0.000769231 |
| 688 | 0.001 |
| 689 | 0.001 |
| 690 | 0.00108333 |
| 691 | 0.00111111 |
| 692 | 0.00116667 |
| 693 | 0.00117647 |
| 694 | 0.0011875 |
| 695 | 0.00131034 |
| 696 | 0.00142857 |
| 697 | 0.0015 |
| 698 | 0.00153488 |
| 699 | 0.00153846 |
| 700 | 0.00161538 |

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| 701 | 0.00163158 |
| 702 | 0.00165909 |
| 703 | 0.00168 |
| 704 | 0.0018 |
| 705 | 0.00181818 |
| 706 | 0.00195455 |
| 707 | 0.002 |
| 708 | 0.002 |
| 709 | 0.002 |
| 710 | 0.00206897 |
| 711 | 0.00209677 |
| 712 | 0.0021 |
| 713 | 0.0022 |
| 714 | 0.00222222 |
| 715 | 0.00225 |
| 716 | 0.00227778 |
| 717 | 0.00232258 |
| 718 | 0.00233333 |
| 719 | 0.00234146 |
| 720 | 0.0024 |
| 721 | 0.00242308 |
| 722 | 0.00245455 |
| 723 | 0.00246154 |
| 724 | 0.0025 |
| 725 | 0.0025 |
| 726 | 0.0025 |
| 727 | 0.00253846 |
| 728 | 0.00255 |
| 729 | 0.00257143 |
| 730 | 0.00258621 |
| 731 | 0.00261538 |
| 732 | 0.00267857 |
| 733 | 0.00267857 |
| 734 | 0.00272727 |
| 735 | 0.00278125 |
| 736 | 0.0028 |
| 737 | 0.00282979 |
| 738 | 0.00285714 |
| 739 | 0.00286364 |
| 740 | 0.00289655 |
| 741 | 0.002975 |
| 742 | 0.00302857 |
| 743 | 0.00306897 |
| 744 | 0.00311765 |
| 745 | 0.00317857 |
| 746 | 0.0031875 |
| 747 | 0.00330769 |
| 748 | 0.0033125 |
| 749 | 0.00331579 |
| 750 | 0.00333333 |
| 751 | 0.00333333 |
| 752 | 0.00333333 |
| 753 | 0.00348649 |
| 754 | 0.0035 |
| 755 | 0.00352941 |
| 756 | 0.00362222 |
| 757 | 0.00370833 |

| | |
|---|---|
| 758 | 0.00375 |
| 759 | 0.00384 |
| 760 | 0.00386364 |
| 761 | 0.00393333 |
| 762 | 0.004 |
| 763 | 0.00405882 |
| 764 | 0.00413636 |
| 765 | 0.00415789 |
| 766 | 0.00418182 |
| 767 | 0.0042 |
| 768 | 0.0042381 |
| 769 | 0.00425 |
| 770 | 0.00428571 |
| 771 | 0.00432 |
| 772 | 0.0044359 |
| 773 | 0.00444 |
| 774 | 0.00445 |
| 775 | 0.00447368 |
| 776 | 0.00448387 |
| 777 | 0.0045 |
| 778 | 0.0046 |
| 779 | 0.00468421 |
| 780 | 0.0046875 |
| 781 | 0.00480556 |
| 782 | 0.00482609 |
| 783 | 0.00492857 |
| 784 | 0.00493333 |
| 785 | 0.00496429 |
| 786 | 0.005 |
| 787 | 0.005 |
| 788 | 0.00504545 |
| 789 | 0.00511538 |
| 790 | 0.00517647 |
| 791 | 0.0052 |
| 792 | 0.00523529 |
| 793 | 0.00528571 |
| 794 | 0.00528571 |
| 795 | 0.00541463 |
| 796 | 0.00545455 |
| 797 | 0.00555 |
| 798 | 0.0055625 |
| 799 | 0.00556757 |
| 800 | 0.00563636 |
| 801 | 0.00572222 |
| 802 | 0.00572727 |
| 803 | 0.00573529 |
| 804 | 0.00578261 |
| 805 | 0.00582857 |
| 806 | 0.006 |
| 807 | 0.006 |
| 808 | 0.006 |
| 809 | 0.00604545 |
| 810 | 0.00605 |
| 811 | 0.00628571 |
| 812 | 0.00629032 |
| 813 | 0.0063 |
| 814 | 0.006375 |

| | |
|---|---|
| 815 | 0.0065 |
| 816 | 0.00652941 |
| 817 | 0.00652941 |
| 818 | 0.00658065 |
| 819 | 0.00661538 |
| 820 | 0.006625 |
| 821 | 0.00665854 |
| 822 | 0.00666667 |
| 823 | 0.00666667 |
| 824 | 0.00672727 |
| 825 | 0.006825 |
| 826 | 0.00683784 |
| 827 | 0.00684615 |
| 828 | 0.00694737 |
| 829 | 0.00710526 |
| 830 | 0.00716667 |
| 831 | 0.00721429 |
| 832 | 0.00724242 |
| 833 | 0.00737143 |
| 834 | 0.00738889 |
| 835 | 0.0074 |
| 836 | 0.00741176 |
| 837 | 0.00746875 |
| 838 | 0.0075 |
| 839 | 0.00755172 |
| 840 | 0.00755556 |
| 841 | 0.00759375 |
| 842 | 0.00765517 |
| 843 | 0.00770833 |
| 844 | 0.00775 |
| 845 | 0.00775 |
| 846 | 0.0077619 |
| 847 | 0.007875 |
| 848 | 0.007875 |
| 849 | 0.00788889 |
| 850 | 0.00792857 |
| 851 | 0.00804348 |
| 852 | 0.00825 |
| 853 | 0.00832258 |
| 854 | 0.00835897 |
| 855 | 0.00841667 |
| 856 | 0.00847826 |
| 857 | 0.0085 |
| 858 | 0.00853846 |
| 859 | 0.00853846 |
| 860 | 0.00854348 |
| 861 | 0.00857895 |
| 862 | 0.00870833 |
| 863 | 0.00880952 |
| 864 | 0.00881818 |
| 865 | 0.00886364 |
| 866 | 0.00886667 |
| 867 | 0.00886957 |
| 868 | 0.0089 |
| 869 | 0.009 |
| 870 | 0.009 |
| 871 | 0.00909091 |

| | |
|---|---|
| 872 | 0.00913953 |
| 873 | 0.00921429 |
| 874 | 0.0093 |
| 875 | 0.00933333 |
| 876 | 0.00935714 |
| 877 | 0.00935714 |
| 878 | 0.00944737 |
| 879 | 0.00946154 |
| 880 | 0.0095 |
| 881 | 0.00953846 |
| 882 | 0.00955556 |
| 883 | 0.00958824 |
| 884 | 0.00961538 |
| 885 | 0.00965217 |
| 886 | 0.00970588 |
| 887 | 0.00988889 |
| 888 | 0.01 |
| 889 | 0.01 |
| 890 | 0.01 |
| 891 | 0.0100909 |
| 892 | 0.0102 |
| 893 | 0.0102222 |
| 894 | 0.0102308 |
| 895 | 0.0102571 |
| 896 | 0.0102632 |
| 897 | 0.0102692 |
| 898 | 0.0102941 |
| 899 | 0.0103333 |
| 900 | 0.0103421 |
| 901 | 0.0105 |
| 902 | 0.0105 |
| 903 | 0.0105 |
| 904 | 0.0105161 |
| 905 | 0.0105172 |
| 906 | 0.0105588 |
| 907 | 0.0105714 |
| 908 | 0.0106 |
| 909 | 0.0107143 |
| 910 | 0.0107368 |
| 911 | 0.01075 |
| 912 | 0.0108182 |
| 913 | 0.0108333 |
| 914 | 0.0108667 |
| 915 | 0.0108966 |
| 916 | 0.0111 |
| 917 | 0.011125 |
| 918 | 0.0112174 |
| 919 | 0.0112286 |
| 920 | 0.011375 |
| 921 | 0.0115588 |
| 922 | 0.0116061 |
| 923 | 0.0117308 |
| 924 | 0.0119091 |
| 925 | 0.0119667 |
| 926 | 0.012 |
| 927 | 0.0120625 |
| 928 | 0.0120741 |

| | |
|---|---|
| 929 | 0.0120909 |
| 930 | 0.0122 |
| 931 | 0.01224 |
| 932 | 0.0123333 |
| 933 | 0.0123333 |
| 934 | 0.0125385 |
| 935 | 0.0125556 |
| 936 | 0.0126 |
| 937 | 0.0126471 |
| 938 | 0.0126774 |
| 939 | 0.01275 |
| 940 | 0.0128621 |
| 941 | 0.0129 |
| 942 | 0.0129444 |
| 943 | 0.013 |
| 944 | 0.013 |
| 945 | 0.013 |
| 946 | 0.0130588 |
| 947 | 0.0131 |
| 948 | 0.0132963 |
| 949 | 0.0133 |
| 950 | 0.0134286 |
| 951 | 0.0135 |
| 952 | 0.0135 |
| 953 | 0.0136364 |
| 954 | 0.0138077 |
| 955 | 0.01396 |
| 956 | 0.014 |
| 957 | 0.0141739 |
| 958 | 0.0144375 |
| 959 | 0.0145238 |
| 960 | 0.0145556 |
| 961 | 0.015 |
| 962 | 0.0151765 |
| 963 | 0.0154 |
| 964 | 0.0155556 |
| 965 | 0.0156087 |
| 966 | 0.0156923 |
| 967 | 0.01575 |
| 968 | 0.0159091 |
| 969 | 0.016125 |
| 970 | 0.0161429 |
| 971 | 0.01625 |
| 972 | 0.0163 |
| 973 | 0.0163182 |
| 974 | 0.016375 |
| 975 | 0.016375 |
| 976 | 0.0165 |
| 977 | 0.0165714 |
| 978 | 0.0167143 |
| 979 | 0.01675 |
| 980 | 0.0169444 |
| 981 | 0.017 |
| 982 | 0.017087 |
| 983 | 0.0171579 |
| 984 | 0.0171818 |
| 985 | 0.0172 |

| | |
|---|---|
| 986 | 0.0174286 |
| 987 | 0.0175833 |
| 988 | 0.0177273 |
| 989 | 0.0178 |
| 990 | 0.0178636 |
| 991 | 0.0179412 |
| 992 | 0.0181111 |
| 993 | 0.0184375 |
| 994 | 0.0185 |
| 995 | 0.0185455 |
| 996 | 0.0188333 |
| 997 | 0.0188947 |
| 998 | 0.019 |
| 999 | 0.0190769 |
| 1000 | 0.0192857 |
| 1001 | 0.0195 |
| 1002 | 0.0195 |
| 1003 | 0.0198889 |
| 1004 | 0.02 |
| 1005 | 0.02 |
| 1006 | 0.02 |
| 1007 | 0.02 |
| 1008 | 0.02 |
| 1009 | 0.02 |
| 1010 | 0.020625 |
| 1011 | 0.0206471 |
| 1012 | 0.0206842 |
| 1013 | 0.021 |
| 1014 | 0.0211538 |
| 1015 | 0.0215 |
| 1016 | 0.0216667 |
| 1017 | 0.0217143 |
| 1018 | 0.0217333 |
| 1019 | 0.0217857 |
| 1020 | 0.0218333 |
| 1021 | 0.021875 |
| 1022 | 0.0219167 |
| 1023 | 0.0219444 |
| 1024 | 0.022 |
| 1025 | 0.022 |
| 1026 | 0.02225 |
| 1027 | 0.0224375 |
| 1028 | 0.0226667 |
| 1029 | 0.0229167 |
| 1030 | 0.0232857 |
| 1031 | 0.0233333 |
| 1032 | 0.0234545 |
| 1033 | 0.0234615 |
| 1034 | 0.0237 |
| 1035 | 0.02375 |
| 1036 | 0.0239333 |
| 1037 | 0.024 |
| 1038 | 0.0241429 |
| 1039 | 0.0246667 |
| 1040 | 0.025 |
| 1041 | 0.025 |
| 1042 | 0.0252 |

| | |
|---|---|
| 1043 | 0.0255 |
| 1044 | 0.0256154 |
| 1045 | 0.0256429 |
| 1046 | 0.0263333 |
| 1047 | 0.027 |
| 1048 | 0.02775 |
| 1049 | 0.0278571 |
| 1050 | 0.028 |
| 1051 | 0.0282 |
| 1052 | 0.0282143 |
| 1053 | 0.0283333 |
| 1054 | 0.0287143 |
| 1055 | 0.0291429 |
| 1056 | 0.0295556 |
| 1057 | 0.0305 |
| 1058 | 0.0314286 |
| 1059 | 0.0314286 |
| 1060 | 0.0315 |
| 1061 | 0.0315 |
| 1062 | 0.0325 |
| 1063 | 0.0326364 |
| 1064 | 0.033 |
| 1065 | 0.033 |
| 1066 | 0.03325 |
| 1067 | 0.0351 |
| 1068 | 0.0353333 |
| 1069 | 0.0359 |
| 1070 | 0.0366667 |
| 1071 | 0.037 |
| 1072 | 0.037 |
| 1073 | 0.0383333 |
| 1074 | 0.039 |
| 1075 | 0.0393 |
| 1076 | 0.0395 |
| 1077 | 0.04 |
| 1078 | 0.041 |
| 1079 | 0.042625 |
| 1080 | 0.0435714 |
| 1081 | 0.0436667 |
| 1082 | 0.0443333 |
| 1083 | 0.0444 |
| 1084 | 0.045 |
| 1085 | 0.0485 |
| 1086 | 0.05 |
| 1087 | 0.05 |
| 1088 | 0.0508333 |
| 1089 | 0.0516667 |
| 1090 | 0.053 |
| 1091 | 0.0543333 |
| 1092 | 0.055 |
| 1093 | 0.0555 |
| 1094 | 0.056 |
| 1095 | 0.0564286 |
| 1096 | 0.0573333 |
| 1097 | 0.0585 |
| 1098 | 0.0598 |
| 1099 | 0.06 |

| | |
|---|---|
| 1100 | 0.06 |
| 1101 | 0.061 |
| 1102 | 0.06125 |
| 1103 | 0.0652 |
| 1104 | 0.0655 |
| 1105 | 0.0658333 |
| 1106 | 0.0665 |
| 1107 | 0.0702 |
| 1108 | 0.072 |
| 1109 | 0.0733333 |
| 1110 | 0.075 |
| 1111 | 0.077 |
| 1112 | 0.079 |
| 1113 | 0.08 |
| 1114 | 0.08275 |
| 1115 | 0.086 |
| 1116 | 0.09 |
| 1117 | 0.1 |
| 1118 | 0.11 |
| 1119 | 0.111 |
| 1120 | 0.111 |
| 1121 | 0.12 |
| 1122 | 0.126 |
| 1123 | 0.129 |
| 1124 | 0.131 |
| 1125 | 0.131667 |
| 1126 | 0.135 |
| 1127 | 0.14 |
| 1128 | 0.14 |
| 1129 | 0.1525 |
| 1130 | 0.16 |
| 1131 | 0.163 |
| 1132 | 0.171 |
| 1133 | 0.1755 |
| 1134 | 0.1795 |
| 1135 | 0.1975 |
| 1136 | 0.221212 |
| 1137 | 0.2215 |
| 1138 | 0.225 |
| 1139 | 0.2275 |
| 1140 | 0.23 |
| 1141 | 0.243226 |
| 1142 | 0.243667 |
| 1143 | 0.248966 |
| 1144 | 0.269286 |
| 1145 | 0.272 |
| 1146 | 0.279259 |
| 1147 | 0.285385 |
| 1148 | 0.2968 |
| 1149 | 0.305 |
| 1150 | 0.305 |
| 1151 | 0.327826 |
| 1152 | 0.328 |
| 1153 | 0.336364 |
| 1154 | 0.348571 |
| 1155 | 0.359 |
| 1156 | 0.375 |

| | |
|---|---|
| 1157 | 0.377 |
| 1158 | 0.396842 |
| 1159 | 0.418333 |
| 1160 | 0.434706 |
| 1161 | 0.47125 |
| 1162 | 0.502667 |
| 1163 | 0.537143 |
| 1164 | 0.549615 |
| 1165 | 0.628333 |
| 1166 | 0.674 |
| 1167 | 0.7189 |
| 1168 | 0.837778 |
| 1169 | 0.9425 |
| 1170 | 1.07714 |
| 1171 | 1.23817 |
| 1172 | 1.4814 |
| 1173 | 1.885 |
| 1174 | 2.51333 |
| 1175 | 3.6175 |
| 1176 | 7.477 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 18 |
| 2 | 0.22 | 2 |
| 3 | 0.32 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |

| | |
|---|---|
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 12582
B = 0
C = 4896
D = 0
E = 310
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12759.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 185.8
M1 = (1176 - 185.8)/2.0 = 495.1
M2 = (1176 + 185.8)/2.0 + 1 = 681.9
Lower limit is -0.000473684 = Q(495)
Upper limit is 0.000439024 = Q(682)
-0.000473684 < 0 < 0.000439024 indicating no trend in data.

# Sen's Slope Analysis

## Parameter: Nitrate-nitrite

## Location: SS 14

### Original Data (Not Transformed)

### Non-Detects Replaced with Detection Limit

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.45 (5/8/2013) | 0.4 (3/12/2013) | (0.45 - 0.4)/(2 - 1) | 0.05 |
| 0.38 (9/23/2013) | 0.4 (3/12/2013) | (0.38 - 0.4)/(3 - 1) | -0.01 |
| 0.28 (12/10/2013) | 0.4 (3/12/2013) | (0.28 - 0.4)/(4 - 1) | -0.04 |
| 0.62 (2/6/2014) | 0.4 (3/12/2013) | (0.62 - 0.4)/(5 - 1) | 0.055 |
| 0.67 (6/26/2014) | 0.4 (3/12/2013) | (0.67 - 0.4)/(6 - 1) | 0.054 |
| ND<0.1 U (9/30/2014) | 0.4 (3/12/2013) | (0.1 - 0.4)/(7 - 1) | -0.05 |
| 0.75 (11/19/2014) | 0.4 (3/12/2013) | (0.75 - 0.4)/(8 - 1) | 0.05 |
| 0.27 (3/23/2015) | 0.4 (3/12/2013) | (0.27 - 0.4)/(9 - 1) | -0.01625 |
| 0.62 (4/22/2015) | 0.4 (3/12/2013) | (0.62 - 0.4)/(10 - 1) | 0.0244444 |
| ND<0.1 U (9/30/2015) | 0.4 (3/12/2013) | (0.1 - 0.4)/(11 - 1) | -0.03 |
| 0.44 (11/19/2015) | 0.4 (3/12/2013) | (0.44 - 0.4)/(12 - 1) | 0.00363636 |
| 0.5 (3/15/2016) | 0.4 (3/12/2013) | (0.5 - 0.4)/(13 - 1) | 0.00833333 |
| ND<0.1 U (6/29/2016) | 0.4 (3/12/2013) | (0.1 - 0.4)/(14 - 1) | -0.0230769 |
| 0.16 (8/9/2016) | 0.4 (3/12/2013) | (0.16 - 0.4)/(15 - 1) | -0.0171429 |
| 0.89 (12/7/2016) | 0.4 (3/12/2013) | (0.89 - 0.4)/(16 - 1) | 0.0326667 |
| 0.48 (3/2/2017) | 0.4 (3/12/2013) | (0.48 - 0.4)/(17 - 1) | 0.005 |
| 0.25 (6/21/2017) | 0.4 (3/12/2013) | (0.25 - 0.4)/(18 - 1) | -0.00882353 |
| 0.12 (8/17/2017) | 0.4 (3/12/2013) | (0.12 - 0.4)/(19 - 1) | -0.0155556 |
| 0.7 (10/26/2017) | 0.4 (3/12/2013) | (0.7 - 0.4)/(20 - 1) | 0.0157895 |
| 0.673 (3/27/2018) | 0.4 (3/12/2013) | (0.673 - 0.4)/(21 - 1) | 0.01365 |
| 0.206 (6/26/2018) | 0.4 (3/12/2013) | (0.206 - 0.4)/(22 - 1) | -0.0092381 |
| 0.109 (8/1/2018) | 0.4 (3/12/2013) | (0.109 - 0.4)/(23 - 1) | -0.0132273 |
| 0.812 (12/11/2018) | 0.4 (3/12/2013) | (0.812 - 0.4)/(24 - 1) | 0.017913 |
| 0.598 (4/17/2019) | 0.4 (3/12/2013) | (0.598 - 0.4)/(25 - 1) | 0.00825 |
| 0.444 (6/11/2019) | 0.4 (3/12/2013) | (0.444 - 0.4)/(26 - 1) | 0.00176 |
| ND<0.1 U (8/28/2019) | 0.4 (3/12/2013) | (0.1 - 0.4)/(27 - 1) | -0.0115385 |
| 0.458 (10/28/2019) | 0.4 (3/12/2013) | (0.458 - 0.4)/(28 - 1) | 0.00214815 |
| 0.19 (3/31/2020) | 0.4 (3/12/2013) | (0.19 - 0.4)/(29 - 1) | -0.0075 |
| 0.246 (6/10/2020) | 0.4 (3/12/2013) | (0.246 - 0.4)/(30 - 1) | -0.00531034 |
| 0.345 (9/21/2020) | 0.4 (3/12/2013) | (0.345 - 0.4)/(31 - 1) | -0.00183333 |
| 0.546 (12/17/2020) | 0.4 (3/12/2013) | (0.546 - 0.4)/(32 - 1) | 0.00470968 |
| 0.189 (3/18/2021) | 0.4 (3/12/2013) | (0.189 - 0.4)/(33 - 1) | -0.00659375 |
| 7.85 (5/5/2021) | 0.4 (3/12/2013) | (7.85 - 0.4)/(34 - 1) | 0.225758 |
| 0.552 (9/2/2021) | 0.4 (3/12/2013) | (0.552 - 0.4)/(35 - 1) | 0.00447059 |
| 0.315 (11/23/2021) | 0.4 (3/12/2013) | (0.315 - 0.4)/(36 - 1) | -0.00242857 |
| 0.385 (1/10/2022) | 0.4 (3/12/2013) | (0.385 - 0.4)/(37 - 1) | -0.000416667 |
| 0.402 (4/7/2022) | 0.4 (3/12/2013) | (0.402 - 0.4)/(38 - 1) | 5.40541e-05 |
| 0.176 (8/3/2022) | 0.4 (3/12/2013) | (0.176 - 0.4)/(39 - 1) | -0.00589474 |
| ND<0.1 U (11/16/2022) | 0.4 (3/12/2013) | (0.1 - 0.4)/(40 - 1) | -0.00769231 |
| 0.501 (2/13/2023) | 0.4 (3/12/2013) | (0.501 - 0.4)/(41 - 1) | 0.002525 |
| 0.528 (5/24/2023) | 0.4 (3/12/2013) | (0.528 - 0.4)/(42 - 1) | 0.00312195 |
| ND<0.1 U (8/7/2023) | 0.4 (3/12/2013) | (0.1 - 0.4)/(43 - 1) | -0.00714286 |
| 0.352 (12/12/2023) | 0.4 (3/12/2013) | (0.352 - 0.4)/(44 - 1) | -0.00111628 |
| 0.693 (1/10/2024) | 0.4 (3/12/2013) | (0.693 - 0.4)/(45 - 1) | 0.00665909 |
| 0.213 (5/20/2024) | 0.4 (3/12/2013) | (0.213 - 0.4)/(46 - 1) | -0.00415556 |
| 0.0955 (9/16/2024) | 0.4 (3/12/2013) | (0.0955 - 0.4)/(47 - 1) | -0.00661957 |
| 0.496 (12/11/2024) | 0.4 (3/12/2013) | (0.496 - 0.4)/(48 - 1) | 0.00204255 |
| 0.892 (2/18/2025) | 0.4 (3/12/2013) | (0.892 - 0.4)/(49 - 1) | 0.01025 |

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|---|---|---|---|
| 0.38 (9/23/2013) | 0.45 (5/8/2013) | (0.38 - 0.45)/(3 - 2) | -0.07 |
| 0.28 (12/10/2013) | 0.45 (5/8/2013) | (0.28 - 0.45)/(4 - 2) | -0.085 |
| 0.62 (2/6/2014) | 0.45 (5/8/2013) | (0.62 - 0.45)/(5 - 2) | 0.0566667 |
| 0.67 (6/26/2014) | 0.45 (5/8/2013) | (0.67 - 0.45)/(6 - 2) | 0.055 |
| ND<0.1 U (9/30/2014) | 0.45 (5/8/2013) | (0.1 - 0.45)/(7 - 2) | -0.07 |
| 0.75 (11/19/2014) | 0.45 (5/8/2013) | (0.75 - 0.45)/(8 - 2) | 0.05 |
| 0.27 (3/23/2015) | 0.45 (5/8/2013) | (0.27 - 0.45)/(9 - 2) | -0.0257143 |
| 0.62 (4/22/2015) | 0.45 (5/8/2013) | (0.62 - 0.45)/(10 - 2) | 0.02125 |
| ND<0.1 U (9/30/2015) | 0.45 (5/8/2013) | (0.1 - 0.45)/(11 - 2) | -0.0388889 |
| 0.44 (11/19/2015) | 0.45 (5/8/2013) | (0.44 - 0.45)/(12 - 2) | -0.001 |
| 0.5 (3/15/2016) | 0.45 (5/8/2013) | (0.5 - 0.45)/(13 - 2) | 0.00454545 |
| ND<0.1 U (6/29/2016) | 0.45 (5/8/2013) | (0.1 - 0.45)/(14 - 2) | -0.0291667 |
| 0.16 (8/9/2016) | 0.45 (5/8/2013) | (0.16 - 0.45)/(15 - 2) | -0.0223077 |
| 0.89 (12/7/2016) | 0.45 (5/8/2013) | (0.89 - 0.45)/(16 - 2) | 0.0314286 |
| 0.48 (3/2/2017) | 0.45 (5/8/2013) | (0.48 - 0.45)/(17 - 2) | 0.002 |
| 0.25 (6/21/2017) | 0.45 (5/8/2013) | (0.25 - 0.45)/(18 - 2) | -0.0125 |
| 0.12 (8/17/2017) | 0.45 (5/8/2013) | (0.12 - 0.45)/(19 - 2) | -0.0194118 |
| 0.7 (10/26/2017) | 0.45 (5/8/2013) | (0.7 - 0.45)/(20 - 2) | 0.0138889 |
| 0.673 (3/27/2018) | 0.45 (5/8/2013) | (0.673 - 0.45)/(21 - 2) | 0.0117368 |
| 0.206 (6/26/2018) | 0.45 (5/8/2013) | (0.206 - 0.45)/(22 - 2) | -0.0122 |
| 0.109 (8/1/2018) | 0.45 (5/8/2013) | (0.109 - 0.45)/(23 - 2) | -0.0162381 |
| 0.812 (12/11/2018) | 0.45 (5/8/2013) | (0.812 - 0.45)/(24 - 2) | 0.0164545 |
| 0.598 (4/17/2019) | 0.45 (5/8/2013) | (0.598 - 0.45)/(25 - 2) | 0.00643478 |
| 0.444 (6/11/2019) | 0.45 (5/8/2013) | (0.444 - 0.45)/(26 - 2) | -0.00025 |
| ND<0.1 U (8/28/2019) | 0.45 (5/8/2013) | (0.1 - 0.45)/(27 - 2) | -0.014 |
| 0.458 (10/28/2019) | 0.45 (5/8/2013) | (0.458 - 0.45)/(28 - 2) | 0.000307692 |
| 0.19 (3/31/2020) | 0.45 (5/8/2013) | (0.19 - 0.45)/(29 - 2) | -0.00962963 |
| 0.246 (6/10/2020) | 0.45 (5/8/2013) | (0.246 - 0.45)/(30 - 2) | -0.00728571 |
| 0.345 (9/21/2020) | 0.45 (5/8/2013) | (0.345 - 0.45)/(31 - 2) | -0.00362069 |
| 0.546 (12/17/2020) | 0.45 (5/8/2013) | (0.546 - 0.45)/(32 - 2) | 0.0032 |
| 0.189 (3/18/2021) | 0.45 (5/8/2013) | (0.189 - 0.45)/(33 - 2) | -0.00841935 |
| 7.85 (5/5/2021) | 0.45 (5/8/2013) | (7.85 - 0.45)/(34 - 2) | 0.23125 |
| 0.552 (9/2/2021) | 0.45 (5/8/2013) | (0.552 - 0.45)/(35 - 2) | 0.00309091 |
| 0.315 (11/23/2021) | 0.45 (5/8/2013) | (0.315 - 0.45)/(36 - 2) | -0.00397059 |
| 0.385 (1/10/2022) | 0.45 (5/8/2013) | (0.385 - 0.45)/(37 - 2) | -0.00185714 |
| 0.402 (4/7/2022) | 0.45 (5/8/2013) | (0.402 - 0.45)/(38 - 2) | -0.00133333 |
| 0.176 (8/3/2022) | 0.45 (5/8/2013) | (0.176 - 0.45)/(39 - 2) | -0.00740541 |
| ND<0.1 U (11/16/2022) | 0.45 (5/8/2013) | (0.1 - 0.45)/(40 - 2) | -0.00921053 |
| 0.501 (2/13/2023) | 0.45 (5/8/2013) | (0.501 - 0.45)/(41 - 2) | 0.00130769 |
| 0.528 (5/24/2023) | 0.45 (5/8/2013) | (0.528 - 0.45)/(42 - 2) | 0.00195 |
| ND<0.1 U (8/7/2023) | 0.45 (5/8/2013) | (0.1 - 0.45)/(43 - 2) | -0.00853659 |
| 0.352 (12/12/2023) | 0.45 (5/8/2013) | (0.352 - 0.45)/(44 - 2) | -0.00233333 |
| 0.693 (1/10/2024) | 0.45 (5/8/2013) | (0.693 - 0.45)/(45 - 2) | 0.00565116 |
| 0.213 (5/20/2024) | 0.45 (5/8/2013) | (0.213 - 0.45)/(46 - 2) | -0.00538636 |
| 0.0955 (9/16/2024) | 0.45 (5/8/2013) | (0.0955 - 0.45)/(47 - 2) | -0.00787778 |
| 0.496 (12/11/2024) | 0.45 (5/8/2013) | (0.496 - 0.45)/(48 - 2) | 0.001 |
| 0.892 (2/18/2025) | 0.45 (5/8/2013) | (0.892 - 0.45)/(49 - 2) | 0.00940426 |
| | | | |
| 0.28 (12/10/2013) | 0.38 (9/23/2013) | (0.28 - 0.38)/(4 - 3) | -0.1 |
| 0.62 (2/6/2014) | 0.38 (9/23/2013) | (0.62 - 0.38)/(5 - 3) | 0.12 |
| 0.67 (6/26/2014) | 0.38 (9/23/2013) | (0.67 - 0.38)/(6 - 3) | 0.0966667 |
| ND<0.1 U (9/30/2014) | 0.38 (9/23/2013) | (0.1 - 0.38)/(7 - 3) | -0.07 |
| 0.75 (11/19/2014) | 0.38 (9/23/2013) | (0.75 - 0.38)/(8 - 3) | 0.074 |
| 0.27 (3/23/2015) | 0.38 (9/23/2013) | (0.27 - 0.38)/(9 - 3) | -0.0183333 |
| 0.62 (4/22/2015) | 0.38 (9/23/2013) | (0.62 - 0.38)/(10 - 3) | 0.0342857 |
| ND<0.1 U (9/30/2015) | 0.38 (9/23/2013) | (0.1 - 0.38)/(11 - 3) | -0.035 |

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|---|---|---|---|
| 0.44 (11/19/2015) | 0.38 (9/23/2013) | (0.44 - 0.38)/(12 - 3) | 0.00666667 |
| 0.5 (3/15/2016) | 0.38 (9/23/2013) | (0.5 - 0.38)/(13 - 3) | 0.012 |
| ND<0.1 U (6/29/2016) | 0.38 (9/23/2013) | (0.1 - 0.38)/(14 - 3) | -0.0254545 |
| 0.16 (8/9/2016) | 0.38 (9/23/2013) | (0.16 - 0.38)/(15 - 3) | -0.0183333 |
| 0.89 (12/7/2016) | 0.38 (9/23/2013) | (0.89 - 0.38)/(16 - 3) | 0.0392308 |
| 0.48 (3/2/2017) | 0.38 (9/23/2013) | (0.48 - 0.38)/(17 - 3) | 0.00714286 |
| 0.25 (6/21/2017) | 0.38 (9/23/2013) | (0.25 - 0.38)/(18 - 3) | -0.00866667 |
| 0.12 (8/17/2017) | 0.38 (9/23/2013) | (0.12 - 0.38)/(19 - 3) | -0.01625 |
| 0.7 (10/26/2017) | 0.38 (9/23/2013) | (0.7 - 0.38)/(20 - 3) | 0.0188235 |
| 0.673 (3/27/2018) | 0.38 (9/23/2013) | (0.673 - 0.38)/(21 - 3) | 0.0162778 |
| 0.206 (6/26/2018) | 0.38 (9/23/2013) | (0.206 - 0.38)/(22 - 3) | -0.00915789 |
| 0.109 (8/1/2018) | 0.38 (9/23/2013) | (0.109 - 0.38)/(23 - 3) | -0.01355 |
| 0.812 (12/11/2018) | 0.38 (9/23/2013) | (0.812 - 0.38)/(24 - 3) | 0.0205714 |
| 0.598 (4/17/2019) | 0.38 (9/23/2013) | (0.598 - 0.38)/(25 - 3) | 0.00990909 |
| 0.444 (6/11/2019) | 0.38 (9/23/2013) | (0.444 - 0.38)/(26 - 3) | 0.00278261 |
| ND<0.1 U (8/28/2019) | 0.38 (9/23/2013) | (0.1 - 0.38)/(27 - 3) | -0.0116667 |
| 0.458 (10/28/2019) | 0.38 (9/23/2013) | (0.458 - 0.38)/(28 - 3) | 0.00312 |
| 0.19 (3/31/2020) | 0.38 (9/23/2013) | (0.19 - 0.38)/(29 - 3) | -0.00730769 |
| 0.246 (6/10/2020) | 0.38 (9/23/2013) | (0.246 - 0.38)/(30 - 3) | -0.00496296 |
| 0.345 (9/21/2020) | 0.38 (9/23/2013) | (0.345 - 0.38)/(31 - 3) | -0.00125 |
| 0.546 (12/17/2020) | 0.38 (9/23/2013) | (0.546 - 0.38)/(32 - 3) | 0.00572414 |
| 0.189 (3/18/2021) | 0.38 (9/23/2013) | (0.189 - 0.38)/(33 - 3) | -0.00636667 |
| 7.85 (5/5/2021) | 0.38 (9/23/2013) | (7.85 - 0.38)/(34 - 3) | 0.240968 |
| 0.552 (9/2/2021) | 0.38 (9/23/2013) | (0.552 - 0.38)/(35 - 3) | 0.005375 |
| 0.315 (11/23/2021) | 0.38 (9/23/2013) | (0.315 - 0.38)/(36 - 3) | -0.0019697 |
| 0.385 (1/10/2022) | 0.38 (9/23/2013) | (0.385 - 0.38)/(37 - 3) | 0.000147059 |
| 0.402 (4/7/2022) | 0.38 (9/23/2013) | (0.402 - 0.38)/(38 - 3) | 0.000628571 |
| 0.176 (8/3/2022) | 0.38 (9/23/2013) | (0.176 - 0.38)/(39 - 3) | -0.00566667 |
| ND<0.1 U (11/16/2022) | 0.38 (9/23/2013) | (0.1 - 0.38)/(40 - 3) | -0.00756757 |
| 0.501 (2/13/2023) | 0.38 (9/23/2013) | (0.501 - 0.38)/(41 - 3) | 0.00318421 |
| 0.528 (5/24/2023) | 0.38 (9/23/2013) | (0.528 - 0.38)/(42 - 3) | 0.00379487 |
| ND<0.1 U (8/7/2023) | 0.38 (9/23/2013) | (0.1 - 0.38)/(43 - 3) | -0.007 |
| 0.352 (12/12/2023) | 0.38 (9/23/2013) | (0.352 - 0.38)/(44 - 3) | -0.000682927 |
| 0.693 (1/10/2024) | 0.38 (9/23/2013) | (0.693 - 0.38)/(45 - 3) | 0.00745238 |
| 0.213 (5/20/2024) | 0.38 (9/23/2013) | (0.213 - 0.38)/(46 - 3) | -0.00388372 |
| 0.0955 (9/16/2024) | 0.38 (9/23/2013) | (0.0955 - 0.38)/(47 - 3) | -0.00646591 |
| 0.496 (12/11/2024) | 0.38 (9/23/2013) | (0.496 - 0.38)/(48 - 3) | 0.00257778 |
| 0.892 (2/18/2025) | 0.38 (9/23/2013) | (0.892 - 0.38)/(49 - 3) | 0.0111304 |
| | | | |
| 0.62 (2/6/2014) | 0.28 (12/10/2013) | (0.62 - 0.28)/(5 - 4) | 0.34 |
| 0.67 (6/26/2014) | 0.28 (12/10/2013) | (0.67 - 0.28)/(6 - 4) | 0.195 |
| ND<0.1 U (9/30/2014) | 0.28 (12/10/2013) | (0.1 - 0.28)/(7 - 4) | -0.06 |
| 0.75 (11/19/2014) | 0.28 (12/10/2013) | (0.75 - 0.28)/(8 - 4) | 0.1175 |
| 0.27 (3/23/2015) | 0.28 (12/10/2013) | (0.27 - 0.28)/(9 - 4) | -0.002 |
| 0.62 (4/22/2015) | 0.28 (12/10/2013) | (0.62 - 0.28)/(10 - 4) | 0.0566667 |
| ND<0.1 U (9/30/2015) | 0.28 (12/10/2013) | (0.1 - 0.28)/(11 - 4) | -0.0257143 |
| 0.44 (11/19/2015) | 0.28 (12/10/2013) | (0.44 - 0.28)/(12 - 4) | 0.02 |
| 0.5 (3/15/2016) | 0.28 (12/10/2013) | (0.5 - 0.28)/(13 - 4) | 0.0244444 |
| ND<0.1 U (6/29/2016) | 0.28 (12/10/2013) | (0.1 - 0.28)/(14 - 4) | -0.018 |
| 0.16 (8/9/2016) | 0.28 (12/10/2013) | (0.16 - 0.28)/(15 - 4) | -0.0109091 |
| 0.89 (12/7/2016) | 0.28 (12/10/2013) | (0.89 - 0.28)/(16 - 4) | 0.0508333 |
| 0.48 (3/2/2017) | 0.28 (12/10/2013) | (0.48 - 0.28)/(17 - 4) | 0.0153846 |
| 0.25 (6/21/2017) | 0.28 (12/10/2013) | (0.25 - 0.28)/(18 - 4) | -0.00214286 |
| 0.12 (8/17/2017) | 0.28 (12/10/2013) | (0.12 - 0.28)/(19 - 4) | -0.0106667 |
| 0.7 (10/26/2017) | 0.28 (12/10/2013) | (0.7 - 0.28)/(20 - 4) | 0.02625 |
| 0.673 (3/27/2018) | 0.28 (12/10/2013) | (0.673 - 0.28)/(21 - 4) | 0.0231176 |
| 0.206 (6/26/2018) | 0.28 (12/10/2013) | (0.206 - 0.28)/(22 - 4) | -0.00411111 |

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|---|---|---|---|
| 0.109 (8/1/2018) | 0.28 (12/10/2013) | (0.109 - 0.28)/(23 - 4) | -0.009 |
| 0.812 (12/11/2018) | 0.28 (12/10/2013) | (0.812 - 0.28)/(24 - 4) | 0.0266 |
| 0.598 (4/17/2019) | 0.28 (12/10/2013) | (0.598 - 0.28)/(25 - 4) | 0.0151429 |
| 0.444 (6/11/2019) | 0.28 (12/10/2013) | (0.444 - 0.28)/(26 - 4) | 0.00745455 |
| ND<0.1 U (8/28/2019) | 0.28 (12/10/2013) | (0.1 - 0.28)/(27 - 4) | -0.00782609 |
| 0.458 (10/28/2019) | 0.28 (12/10/2013) | (0.458 - 0.28)/(28 - 4) | 0.00741667 |
| 0.19 (3/31/2020) | 0.28 (12/10/2013) | (0.19 - 0.28)/(29 - 4) | -0.0036 |
| 0.246 (6/10/2020) | 0.28 (12/10/2013) | (0.246 - 0.28)/(30 - 4) | -0.00130769 |
| 0.345 (9/21/2020) | 0.28 (12/10/2013) | (0.345 - 0.28)/(31 - 4) | 0.00240741 |
| 0.546 (12/17/2020) | 0.28 (12/10/2013) | (0.546 - 0.28)/(32 - 4) | 0.0095 |
| 0.189 (3/18/2021) | 0.28 (12/10/2013) | (0.189 - 0.28)/(33 - 4) | -0.00313793 |
| 7.85 (5/5/2021) | 0.28 (12/10/2013) | (7.85 - 0.28)/(34 - 4) | 0.252333 |
| 0.552 (9/2/2021) | 0.28 (12/10/2013) | (0.552 - 0.28)/(35 - 4) | 0.00877419 |
| 0.315 (11/23/2021) | 0.28 (12/10/2013) | (0.315 - 0.28)/(36 - 4) | 0.00109375 |
| 0.385 (1/10/2022) | 0.28 (12/10/2013) | (0.385 - 0.28)/(37 - 4) | 0.00318182 |
| 0.402 (4/7/2022) | 0.28 (12/10/2013) | (0.402 - 0.28)/(38 - 4) | 0.00358824 |
| 0.176 (8/3/2022) | 0.28 (12/10/2013) | (0.176 - 0.28)/(39 - 4) | -0.00297143 |
| ND<0.1 U (11/16/2022) | 0.28 (12/10/2013) | (0.1 - 0.28)/(40 - 4) | -0.005 |
| 0.501 (2/13/2023) | 0.28 (12/10/2013) | (0.501 - 0.28)/(41 - 4) | 0.00597297 |
| 0.528 (5/24/2023) | 0.28 (12/10/2013) | (0.528 - 0.28)/(42 - 4) | 0.00652632 |
| ND<0.1 U (8/7/2023) | 0.28 (12/10/2013) | (0.1 - 0.28)/(43 - 4) | -0.00461538 |
| 0.352 (12/12/2023) | 0.28 (12/10/2013) | (0.352 - 0.28)/(44 - 4) | 0.0018 |
| 0.693 (1/10/2024) | 0.28 (12/10/2013) | (0.693 - 0.28)/(45 - 4) | 0.0100732 |
| 0.213 (5/20/2024) | 0.28 (12/10/2013) | (0.213 - 0.28)/(46 - 4) | -0.00159524 |
| 0.0955 (9/16/2024) | 0.28 (12/10/2013) | (0.0955 - 0.28)/(47 - 4) | -0.0042907 |
| 0.496 (12/11/2024) | 0.28 (12/10/2013) | (0.496 - 0.28)/(48 - 4) | 0.00490909 |
| 0.892 (2/18/2025) | 0.28 (12/10/2013) | (0.892 - 0.28)/(49 - 4) | 0.0136 |
| | | | |
| 0.67 (6/26/2014) | 0.62 (2/6/2014) | (0.67 - 0.62)/(6 - 5) | 0.05 |
| ND<0.1 U (9/30/2014) | 0.62 (2/6/2014) | (0.1 - 0.62)/(7 - 5) | -0.26 |
| 0.75 (11/19/2014) | 0.62 (2/6/2014) | (0.75 - 0.62)/(8 - 5) | 0.0433333 |
| 0.27 (3/23/2015) | 0.62 (2/6/2014) | (0.27 - 0.62)/(9 - 5) | -0.0875 |
| 0.62 (4/22/2015) | 0.62 (2/6/2014) | (0.62 - 0.62)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | 0.62 (2/6/2014) | (0.1 - 0.62)/(11 - 5) | -0.0866667 |
| 0.44 (11/19/2015) | 0.62 (2/6/2014) | (0.44 - 0.62)/(12 - 5) | -0.0257143 |
| 0.5 (3/15/2016) | 0.62 (2/6/2014) | (0.5 - 0.62)/(13 - 5) | -0.015 |
| ND<0.1 U (6/29/2016) | 0.62 (2/6/2014) | (0.1 - 0.62)/(14 - 5) | -0.0577778 |
| 0.16 (8/9/2016) | 0.62 (2/6/2014) | (0.16 - 0.62)/(15 - 5) | -0.046 |
| 0.89 (12/7/2016) | 0.62 (2/6/2014) | (0.89 - 0.62)/(16 - 5) | 0.0245455 |
| 0.48 (3/2/2017) | 0.62 (2/6/2014) | (0.48 - 0.62)/(17 - 5) | -0.0116667 |
| 0.25 (6/21/2017) | 0.62 (2/6/2014) | (0.25 - 0.62)/(18 - 5) | -0.0284615 |
| 0.12 (8/17/2017) | 0.62 (2/6/2014) | (0.12 - 0.62)/(19 - 5) | -0.0357143 |
| 0.7 (10/26/2017) | 0.62 (2/6/2014) | (0.7 - 0.62)/(20 - 5) | 0.00533333 |
| 0.673 (3/27/2018) | 0.62 (2/6/2014) | (0.673 - 0.62)/(21 - 5) | 0.0033125 |
| 0.206 (6/26/2018) | 0.62 (2/6/2014) | (0.206 - 0.62)/(22 - 5) | -0.0243529 |
| 0.109 (8/1/2018) | 0.62 (2/6/2014) | (0.109 - 0.62)/(23 - 5) | -0.0283889 |
| 0.812 (12/11/2018) | 0.62 (2/6/2014) | (0.812 - 0.62)/(24 - 5) | 0.0101053 |
| 0.598 (4/17/2019) | 0.62 (2/6/2014) | (0.598 - 0.62)/(25 - 5) | -0.0011 |
| 0.444 (6/11/2019) | 0.62 (2/6/2014) | (0.444 - 0.62)/(26 - 5) | -0.00838095 |
| ND<0.1 U (8/28/2019) | 0.62 (2/6/2014) | (0.1 - 0.62)/(27 - 5) | -0.0236364 |
| 0.458 (10/28/2019) | 0.62 (2/6/2014) | (0.458 - 0.62)/(28 - 5) | -0.00704348 |
| 0.19 (3/31/2020) | 0.62 (2/6/2014) | (0.19 - 0.62)/(29 - 5) | -0.0179167 |
| 0.246 (6/10/2020) | 0.62 (2/6/2014) | (0.246 - 0.62)/(30 - 5) | -0.01496 |
| 0.345 (9/21/2020) | 0.62 (2/6/2014) | (0.345 - 0.62)/(31 - 5) | -0.0105769 |
| 0.546 (12/17/2020) | 0.62 (2/6/2014) | (0.546 - 0.62)/(32 - 5) | -0.00274074 |
| 0.189 (3/18/2021) | 0.62 (2/6/2014) | (0.189 - 0.62)/(33 - 5) | -0.0153929 |
| 7.85 (5/5/2021) | 0.62 (2/6/2014) | (7.85 - 0.62)/(34 - 5) | 0.24931 |

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|---|---|---|---|
| 0.552 (9/2/2021) | 0.62 (2/6/2014) | (0.552 - 0.62)/(35 - 5) | -0.00226667 |
| 0.315 (11/23/2021) | 0.62 (2/6/2014) | (0.315 - 0.62)/(36 - 5) | -0.00983871 |
| 0.385 (1/10/2022) | 0.62 (2/6/2014) | (0.385 - 0.62)/(37 - 5) | -0.00734375 |
| 0.402 (4/7/2022) | 0.62 (2/6/2014) | (0.402 - 0.62)/(38 - 5) | -0.00660606 |
| 0.176 (8/3/2022) | 0.62 (2/6/2014) | (0.176 - 0.62)/(39 - 5) | -0.0130588 |
| ND<0.1 U (11/16/2022) | 0.62 (2/6/2014) | (0.1 - 0.62)/(40 - 5) | -0.0148571 |
| 0.501 (2/13/2023) | 0.62 (2/6/2014) | (0.501 - 0.62)/(41 - 5) | -0.00330556 |
| 0.528 (5/24/2023) | 0.62 (2/6/2014) | (0.528 - 0.62)/(42 - 5) | -0.00248649 |
| ND<0.1 U (8/7/2023) | 0.62 (2/6/2014) | (0.1 - 0.62)/(43 - 5) | -0.0136842 |
| 0.352 (12/12/2023) | 0.62 (2/6/2014) | (0.352 - 0.62)/(44 - 5) | -0.00687179 |
| 0.693 (1/10/2024) | 0.62 (2/6/2014) | (0.693 - 0.62)/(45 - 5) | 0.001825 |
| 0.213 (5/20/2024) | 0.62 (2/6/2014) | (0.213 - 0.62)/(46 - 5) | -0.00992683 |
| 0.0955 (9/16/2024) | 0.62 (2/6/2014) | (0.0955 - 0.62)/(47 - 5) | -0.0124881 |
| 0.496 (12/11/2024) | 0.62 (2/6/2014) | (0.496 - 0.62)/(48 - 5) | -0.00288372 |
| 0.892 (2/18/2025) | 0.62 (2/6/2014) | (0.892 - 0.62)/(49 - 5) | 0.00618182 |
| | | | |
| ND<0.1 U (9/30/2014) | 0.67 (6/26/2014) | (0.1 - 0.67)/(7 - 6) | -0.57 |
| 0.75 (11/19/2014) | 0.67 (6/26/2014) | (0.75 - 0.67)/(8 - 6) | 0.04 |
| 0.27 (3/23/2015) | 0.67 (6/26/2014) | (0.27 - 0.67)/(9 - 6) | -0.133333 |
| 0.62 (4/22/2015) | 0.67 (6/26/2014) | (0.62 - 0.67)/(10 - 6) | -0.0125 |
| ND<0.1 U (9/30/2015) | 0.67 (6/26/2014) | (0.1 - 0.67)/(11 - 6) | -0.114 |
| 0.44 (11/19/2015) | 0.67 (6/26/2014) | (0.44 - 0.67)/(12 - 6) | -0.0383333 |
| 0.5 (3/15/2016) | 0.67 (6/26/2014) | (0.5 - 0.67)/(13 - 6) | -0.0242857 |
| ND<0.1 U (6/29/2016) | 0.67 (6/26/2014) | (0.1 - 0.67)/(14 - 6) | -0.07125 |
| 0.16 (8/9/2016) | 0.67 (6/26/2014) | (0.16 - 0.67)/(15 - 6) | -0.0566667 |
| 0.89 (12/7/2016) | 0.67 (6/26/2014) | (0.89 - 0.67)/(16 - 6) | 0.022 |
| 0.48 (3/2/2017) | 0.67 (6/26/2014) | (0.48 - 0.67)/(17 - 6) | -0.0172727 |
| 0.25 (6/21/2017) | 0.67 (6/26/2014) | (0.25 - 0.67)/(18 - 6) | -0.035 |
| 0.12 (8/17/2017) | 0.67 (6/26/2014) | (0.12 - 0.67)/(19 - 6) | -0.0423077 |
| 0.7 (10/26/2017) | 0.67 (6/26/2014) | (0.7 - 0.67)/(20 - 6) | 0.00214286 |
| 0.673 (3/27/2018) | 0.67 (6/26/2014) | (0.673 - 0.67)/(21 - 6) | 0.0002 |
| 0.206 (6/26/2018) | 0.67 (6/26/2014) | (0.206 - 0.67)/(22 - 6) | -0.029 |
| 0.109 (8/1/2018) | 0.67 (6/26/2014) | (0.109 - 0.67)/(23 - 6) | -0.033 |
| 0.812 (12/11/2018) | 0.67 (6/26/2014) | (0.812 - 0.67)/(24 - 6) | 0.00788889 |
| 0.598 (4/17/2019) | 0.67 (6/26/2014) | (0.598 - 0.67)/(25 - 6) | -0.00378947 |
| 0.444 (6/11/2019) | 0.67 (6/26/2014) | (0.444 - 0.67)/(26 - 6) | -0.0113 |
| ND<0.1 U (8/28/2019) | 0.67 (6/26/2014) | (0.1 - 0.67)/(27 - 6) | -0.0271429 |
| 0.458 (10/28/2019) | 0.67 (6/26/2014) | (0.458 - 0.67)/(28 - 6) | -0.00963636 |
| 0.19 (3/31/2020) | 0.67 (6/26/2014) | (0.19 - 0.67)/(29 - 6) | -0.0208696 |
| 0.246 (6/10/2020) | 0.67 (6/26/2014) | (0.246 - 0.67)/(30 - 6) | -0.0176667 |
| 0.345 (9/21/2020) | 0.67 (6/26/2014) | (0.345 - 0.67)/(31 - 6) | -0.013 |
| 0.546 (12/17/2020) | 0.67 (6/26/2014) | (0.546 - 0.67)/(32 - 6) | -0.00476923 |
| 0.189 (3/18/2021) | 0.67 (6/26/2014) | (0.189 - 0.67)/(33 - 6) | -0.0178148 |
| 7.85 (5/5/2021) | 0.67 (6/26/2014) | (7.85 - 0.67)/(34 - 6) | 0.256429 |
| 0.552 (9/2/2021) | 0.67 (6/26/2014) | (0.552 - 0.67)/(35 - 6) | -0.00406897 |
| 0.315 (11/23/2021) | 0.67 (6/26/2014) | (0.315 - 0.67)/(36 - 6) | -0.0118333 |
| 0.385 (1/10/2022) | 0.67 (6/26/2014) | (0.385 - 0.67)/(37 - 6) | -0.00919355 |
| 0.402 (4/7/2022) | 0.67 (6/26/2014) | (0.402 - 0.67)/(38 - 6) | -0.008375 |
| 0.176 (8/3/2022) | 0.67 (6/26/2014) | (0.176 - 0.67)/(39 - 6) | -0.0149697 |
| ND<0.1 U (11/16/2022) | 0.67 (6/26/2014) | (0.1 - 0.67)/(40 - 6) | -0.0167647 |
| 0.501 (2/13/2023) | 0.67 (6/26/2014) | (0.501 - 0.67)/(41 - 6) | -0.00482857 |
| 0.528 (5/24/2023) | 0.67 (6/26/2014) | (0.528 - 0.67)/(42 - 6) | -0.00394444 |
| ND<0.1 U (8/7/2023) | 0.67 (6/26/2014) | (0.1 - 0.67)/(43 - 6) | -0.0154054 |
| 0.352 (12/12/2023) | 0.67 (6/26/2014) | (0.352 - 0.67)/(44 - 6) | -0.00836842 |
| 0.693 (1/10/2024) | 0.67 (6/26/2014) | (0.693 - 0.67)/(45 - 6) | 0.000589744 |
| 0.213 (5/20/2024) | 0.67 (6/26/2014) | (0.213 - 0.67)/(46 - 6) | -0.011425 |
| 0.0955 (9/16/2024) | 0.67 (6/26/2014) | (0.0955 - 0.67)/(47 - 6) | -0.0140122 |

| | | | |
|---|---|---|---|
| 0.496 (12/11/2024) | 0.67 (6/26/2014) | (0.496 - 0.67)/(48 - 6) | -0.00414286 |
| 0.892 (2/18/2025) | 0.67 (6/26/2014) | (0.892 - 0.67)/(49 - 6) | 0.00516279 |
| | | | |
| 0.75 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.75 - 0.1)/(8 - 7) | 0.65 |
| 0.27 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.27 - 0.1)/(9 - 7) | 0.085 |
| 0.62 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.62 - 0.1)/(10 - 7) | 0.173333 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.44 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.44 - 0.1)/(12 - 7) | 0.068 |
| 0.5 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.5 - 0.1)/(13 - 7) | 0.0666667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| 0.16 (8/9/2016) | ND<0.1 U (9/30/2014) | (0.16 - 0.1)/(15 - 7) | 0.0075 |
| 0.89 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.89 - 0.1)/(16 - 7) | 0.0877778 |
| 0.48 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.48 - 0.1)/(17 - 7) | 0.038 |
| 0.25 (6/21/2017) | ND<0.1 U (9/30/2014) | (0.25 - 0.1)/(18 - 7) | 0.0136364 |
| 0.12 (8/17/2017) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(19 - 7) | 0.00166667 |
| 0.7 (10/26/2017) | ND<0.1 U (9/30/2014) | (0.7 - 0.1)/(20 - 7) | 0.0461538 |
| 0.673 (3/27/2018) | ND<0.1 U (9/30/2014) | (0.673 - 0.1)/(21 - 7) | 0.0409286 |
| 0.206 (6/26/2018) | ND<0.1 U (9/30/2014) | (0.206 - 0.1)/(22 - 7) | 0.00706667 |
| 0.109 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.109 - 0.1)/(23 - 7) | 0.0005625 |
| 0.812 (12/11/2018) | ND<0.1 U (9/30/2014) | (0.812 - 0.1)/(24 - 7) | 0.0418824 |
| 0.598 (4/17/2019) | ND<0.1 U (9/30/2014) | (0.598 - 0.1)/(25 - 7) | 0.0276667 |
| 0.444 (6/11/2019) | ND<0.1 U (9/30/2014) | (0.444 - 0.1)/(26 - 7) | 0.0181053 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.458 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.458 - 0.1)/(28 - 7) | 0.0170476 |
| 0.19 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.19 - 0.1)/(29 - 7) | 0.00409091 |
| 0.246 (6/10/2020) | ND<0.1 U (9/30/2014) | (0.246 - 0.1)/(30 - 7) | 0.00634783 |
| 0.345 (9/21/2020) | ND<0.1 U (9/30/2014) | (0.345 - 0.1)/(31 - 7) | 0.0102083 |
| 0.546 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.546 - 0.1)/(32 - 7) | 0.01784 |
| 0.189 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.189 - 0.1)/(33 - 7) | 0.00342308 |
| 7.85 (5/5/2021) | ND<0.1 U (9/30/2014) | (7.85 - 0.1)/(34 - 7) | 0.287037 |
| 0.552 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.552 - 0.1)/(35 - 7) | 0.0161429 |
| 0.315 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.315 - 0.1)/(36 - 7) | 0.00741379 |
| 0.385 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.385 - 0.1)/(37 - 7) | 0.0095 |
| 0.402 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.402 - 0.1)/(38 - 7) | 0.00974194 |
| 0.176 (8/3/2022) | ND<0.1 U (9/30/2014) | (0.176 - 0.1)/(39 - 7) | 0.002375 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.501 (2/13/2023) | ND<0.1 U (9/30/2014) | (0.501 - 0.1)/(41 - 7) | 0.0117941 |
| 0.528 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.528 - 0.1)/(42 - 7) | 0.0122286 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| 0.352 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.352 - 0.1)/(44 - 7) | 0.00681081 |
| 0.693 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.693 - 0.1)/(45 - 7) | 0.0156053 |
| 0.213 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.213 - 0.1)/(46 - 7) | 0.00289744 |
| 0.0955 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.0955 - 0.1)/(47 - 7) | -0.0001125 |
| 0.496 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.496 - 0.1)/(48 - 7) | 0.00965854 |
| 0.892 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.892 - 0.1)/(49 - 7) | 0.0188571 |
| | | | |
| 0.27 (3/23/2015) | 0.75 (11/19/2014) | (0.27 - 0.75)/(9 - 8) | -0.48 |
| 0.62 (4/22/2015) | 0.75 (11/19/2014) | (0.62 - 0.75)/(10 - 8) | -0.065 |
| ND<0.1 U (9/30/2015) | 0.75 (11/19/2014) | (0.1 - 0.75)/(11 - 8) | -0.216667 |
| 0.44 (11/19/2015) | 0.75 (11/19/2014) | (0.44 - 0.75)/(12 - 8) | -0.0775 |
| 0.5 (3/15/2016) | 0.75 (11/19/2014) | (0.5 - 0.75)/(13 - 8) | -0.05 |
| ND<0.1 U (6/29/2016) | 0.75 (11/19/2014) | (0.1 - 0.75)/(14 - 8) | -0.108333 |
| 0.16 (8/9/2016) | 0.75 (11/19/2014) | (0.16 - 0.75)/(15 - 8) | -0.0842857 |
| 0.89 (12/7/2016) | 0.75 (11/19/2014) | (0.89 - 0.75)/(16 - 8) | 0.0175 |
| 0.48 (3/2/2017) | 0.75 (11/19/2014) | (0.48 - 0.75)/(17 - 8) | -0.03 |
| 0.25 (6/21/2017) | 0.75 (11/19/2014) | (0.25 - 0.75)/(18 - 8) | -0.05 |
| 0.12 (8/17/2017) | 0.75 (11/19/2014) | (0.12 - 0.75)/(19 - 8) | -0.0572727 |

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|---|---|---|---|
| 0.7 (10/26/2017) | 0.75 (11/19/2014) | (0.7 - 0.75)/(20 - 8) | -0.00416667 |
| 0.673 (3/27/2018) | 0.75 (11/19/2014) | (0.673 - 0.75)/(21 - 8) | -0.00592308 |
| 0.206 (6/26/2018) | 0.75 (11/19/2014) | (0.206 - 0.75)/(22 - 8) | -0.0388571 |
| 0.109 (8/1/2018) | 0.75 (11/19/2014) | (0.109 - 0.75)/(23 - 8) | -0.0427333 |
| 0.812 (12/11/2018) | 0.75 (11/19/2014) | (0.812 - 0.75)/(24 - 8) | 0.003875 |
| 0.598 (4/17/2019) | 0.75 (11/19/2014) | (0.598 - 0.75)/(25 - 8) | -0.00894118 |
| 0.444 (6/11/2019) | 0.75 (11/19/2014) | (0.444 - 0.75)/(26 - 8) | -0.017 |
| ND<0.1 U (8/28/2019) | 0.75 (11/19/2014) | (0.1 - 0.75)/(27 - 8) | -0.0342105 |
| 0.458 (10/28/2019) | 0.75 (11/19/2014) | (0.458 - 0.75)/(28 - 8) | -0.0146 |
| 0.19 (3/31/2020) | 0.75 (11/19/2014) | (0.19 - 0.75)/(29 - 8) | -0.0266667 |
| 0.246 (6/10/2020) | 0.75 (11/19/2014) | (0.246 - 0.75)/(30 - 8) | -0.0229091 |
| 0.345 (9/21/2020) | 0.75 (11/19/2014) | (0.345 - 0.75)/(31 - 8) | -0.0176087 |
| 0.546 (12/17/2020) | 0.75 (11/19/2014) | (0.546 - 0.75)/(32 - 8) | -0.0085 |
| 0.189 (3/18/2021) | 0.75 (11/19/2014) | (0.189 - 0.75)/(33 - 8) | -0.02244 |
| 7.85 (5/5/2021) | 0.75 (11/19/2014) | (7.85 - 0.75)/(34 - 8) | 0.273077 |
| 0.552 (9/2/2021) | 0.75 (11/19/2014) | (0.552 - 0.75)/(35 - 8) | -0.00733333 |
| 0.315 (11/23/2021) | 0.75 (11/19/2014) | (0.315 - 0.75)/(36 - 8) | -0.0155357 |
| 0.385 (1/10/2022) | 0.75 (11/19/2014) | (0.385 - 0.75)/(37 - 8) | -0.0125862 |
| 0.402 (4/7/2022) | 0.75 (11/19/2014) | (0.402 - 0.75)/(38 - 8) | -0.0116 |
| 0.176 (8/3/2022) | 0.75 (11/19/2014) | (0.176 - 0.75)/(39 - 8) | -0.0185161 |
| ND<0.1 U (11/16/2022) | 0.75 (11/19/2014) | (0.1 - 0.75)/(40 - 8) | -0.0203125 |
| 0.501 (2/13/2023) | 0.75 (11/19/2014) | (0.501 - 0.75)/(41 - 8) | -0.00754545 |
| 0.528 (5/24/2023) | 0.75 (11/19/2014) | (0.528 - 0.75)/(42 - 8) | -0.00652941 |
| ND<0.1 U (8/7/2023) | 0.75 (11/19/2014) | (0.1 - 0.75)/(43 - 8) | -0.0185714 |
| 0.352 (12/12/2023) | 0.75 (11/19/2014) | (0.352 - 0.75)/(44 - 8) | -0.0110556 |
| 0.693 (1/10/2024) | 0.75 (11/19/2014) | (0.693 - 0.75)/(45 - 8) | -0.00154054 |
| 0.213 (5/20/2024) | 0.75 (11/19/2014) | (0.213 - 0.75)/(46 - 8) | -0.0141316 |
| 0.0955 (9/16/2024) | 0.75 (11/19/2014) | (0.0955 - 0.75)/(47 - 8) | -0.0167821 |
| 0.496 (12/11/2024) | 0.75 (11/19/2014) | (0.496 - 0.75)/(48 - 8) | -0.00635 |
| 0.892 (2/18/2025) | 0.75 (11/19/2014) | (0.892 - 0.75)/(49 - 8) | 0.00346341 |
| | | | |
| 0.62 (4/22/2015) | 0.27 (3/23/2015) | (0.62 - 0.27)/(10 - 9) | 0.35 |
| ND<0.1 U (9/30/2015) | 0.27 (3/23/2015) | (0.1 - 0.27)/(11 - 9) | -0.085 |
| 0.44 (11/19/2015) | 0.27 (3/23/2015) | (0.44 - 0.27)/(12 - 9) | 0.0566667 |
| 0.5 (3/15/2016) | 0.27 (3/23/2015) | (0.5 - 0.27)/(13 - 9) | 0.0575 |
| ND<0.1 U (6/29/2016) | 0.27 (3/23/2015) | (0.1 - 0.27)/(14 - 9) | -0.034 |
| 0.16 (8/9/2016) | 0.27 (3/23/2015) | (0.16 - 0.27)/(15 - 9) | -0.0183333 |
| 0.89 (12/7/2016) | 0.27 (3/23/2015) | (0.89 - 0.27)/(16 - 9) | 0.0885714 |
| 0.48 (3/2/2017) | 0.27 (3/23/2015) | (0.48 - 0.27)/(17 - 9) | 0.02625 |
| 0.25 (6/21/2017) | 0.27 (3/23/2015) | (0.25 - 0.27)/(18 - 9) | -0.00222222 |
| 0.12 (8/17/2017) | 0.27 (3/23/2015) | (0.12 - 0.27)/(19 - 9) | -0.015 |
| 0.7 (10/26/2017) | 0.27 (3/23/2015) | (0.7 - 0.27)/(20 - 9) | 0.0390909 |
| 0.673 (3/27/2018) | 0.27 (3/23/2015) | (0.673 - 0.27)/(21 - 9) | 0.0335833 |
| 0.206 (6/26/2018) | 0.27 (3/23/2015) | (0.206 - 0.27)/(22 - 9) | -0.00492308 |
| 0.109 (8/1/2018) | 0.27 (3/23/2015) | (0.109 - 0.27)/(23 - 9) | -0.0115 |
| 0.812 (12/11/2018) | 0.27 (3/23/2015) | (0.812 - 0.27)/(24 - 9) | 0.0361333 |
| 0.598 (4/17/2019) | 0.27 (3/23/2015) | (0.598 - 0.27)/(25 - 9) | 0.0205 |
| 0.444 (6/11/2019) | 0.27 (3/23/2015) | (0.444 - 0.27)/(26 - 9) | 0.0102353 |
| ND<0.1 U (8/28/2019) | 0.27 (3/23/2015) | (0.1 - 0.27)/(27 - 9) | -0.00944444 |
| 0.458 (10/28/2019) | 0.27 (3/23/2015) | (0.458 - 0.27)/(28 - 9) | 0.00989474 |
| 0.19 (3/31/2020) | 0.27 (3/23/2015) | (0.19 - 0.27)/(29 - 9) | -0.004 |
| 0.246 (6/10/2020) | 0.27 (3/23/2015) | (0.246 - 0.27)/(30 - 9) | -0.00114286 |
| 0.345 (9/21/2020) | 0.27 (3/23/2015) | (0.345 - 0.27)/(31 - 9) | 0.00340909 |
| 0.546 (12/17/2020) | 0.27 (3/23/2015) | (0.546 - 0.27)/(32 - 9) | 0.012 |
| 0.189 (3/18/2021) | 0.27 (3/23/2015) | (0.189 - 0.27)/(33 - 9) | -0.003375 |
| 7.85 (5/5/2021) | 0.27 (3/23/2015) | (7.85 - 0.27)/(34 - 9) | 0.3032 |
| 0.552 (9/2/2021) | 0.27 (3/23/2015) | (0.552 - 0.27)/(35 - 9) | 0.0108462 |

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|---|---|---|---|
| 0.315 (11/23/2021) | 0.27 (3/23/2015) | (0.315 - 0.27)/(36 - 9) | 0.00166667 |
| 0.385 (1/10/2022) | 0.27 (3/23/2015) | (0.385 - 0.27)/(37 - 9) | 0.00410714 |
| 0.402 (4/7/2022) | 0.27 (3/23/2015) | (0.402 - 0.27)/(38 - 9) | 0.00455172 |
| 0.176 (8/3/2022) | 0.27 (3/23/2015) | (0.176 - 0.27)/(39 - 9) | -0.00313333 |
| ND<0.1 U (11/16/2022) | 0.27 (3/23/2015) | (0.1 - 0.27)/(40 - 9) | -0.00548387 |
| 0.501 (2/13/2023) | 0.27 (3/23/2015) | (0.501 - 0.27)/(41 - 9) | 0.00721875 |
| 0.528 (5/24/2023) | 0.27 (3/23/2015) | (0.528 - 0.27)/(42 - 9) | 0.00781818 |
| ND<0.1 U (8/7/2023) | 0.27 (3/23/2015) | (0.1 - 0.27)/(43 - 9) | -0.005 |
| 0.352 (12/12/2023) | 0.27 (3/23/2015) | (0.352 - 0.27)/(44 - 9) | 0.00234286 |
| 0.693 (1/10/2024) | 0.27 (3/23/2015) | (0.693 - 0.27)/(45 - 9) | 0.01175 |
| 0.213 (5/20/2024) | 0.27 (3/23/2015) | (0.213 - 0.27)/(46 - 9) | -0.00154054 |
| 0.0955 (9/16/2024) | 0.27 (3/23/2015) | (0.0955 - 0.27)/(47 - 9) | -0.00459211 |
| 0.496 (12/11/2024) | 0.27 (3/23/2015) | (0.496 - 0.27)/(48 - 9) | 0.00579487 |
| 0.892 (2/18/2025) | 0.27 (3/23/2015) | (0.892 - 0.27)/(49 - 9) | 0.01555 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.62 (4/22/2015) | (0.1 - 0.62)/(11 - 10) | -0.52 |
| 0.44 (11/19/2015) | 0.62 (4/22/2015) | (0.44 - 0.62)/(12 - 10) | -0.09 |
| 0.5 (3/15/2016) | 0.62 (4/22/2015) | (0.5 - 0.62)/(13 - 10) | -0.04 |
| ND<0.1 U (6/29/2016) | 0.62 (4/22/2015) | (0.1 - 0.62)/(14 - 10) | -0.13 |
| 0.16 (8/9/2016) | 0.62 (4/22/2015) | (0.16 - 0.62)/(15 - 10) | -0.092 |
| 0.89 (12/7/2016) | 0.62 (4/22/2015) | (0.89 - 0.62)/(16 - 10) | 0.045 |
| 0.48 (3/2/2017) | 0.62 (4/22/2015) | (0.48 - 0.62)/(17 - 10) | -0.02 |
| 0.25 (6/21/2017) | 0.62 (4/22/2015) | (0.25 - 0.62)/(18 - 10) | -0.04625 |
| 0.12 (8/17/2017) | 0.62 (4/22/2015) | (0.12 - 0.62)/(19 - 10) | -0.0555556 |
| 0.7 (10/26/2017) | 0.62 (4/22/2015) | (0.7 - 0.62)/(20 - 10) | 0.008 |
| 0.673 (3/27/2018) | 0.62 (4/22/2015) | (0.673 - 0.62)/(21 - 10) | 0.00481818 |
| 0.206 (6/26/2018) | 0.62 (4/22/2015) | (0.206 - 0.62)/(22 - 10) | -0.0345 |
| 0.109 (8/1/2018) | 0.62 (4/22/2015) | (0.109 - 0.62)/(23 - 10) | -0.0393077 |
| 0.812 (12/11/2018) | 0.62 (4/22/2015) | (0.812 - 0.62)/(24 - 10) | 0.0137143 |
| 0.598 (4/17/2019) | 0.62 (4/22/2015) | (0.598 - 0.62)/(25 - 10) | -0.00146667 |
| 0.444 (6/11/2019) | 0.62 (4/22/2015) | (0.444 - 0.62)/(26 - 10) | -0.011 |
| ND<0.1 U (8/28/2019) | 0.62 (4/22/2015) | (0.1 - 0.62)/(27 - 10) | -0.0305882 |
| 0.458 (10/28/2019) | 0.62 (4/22/2015) | (0.458 - 0.62)/(28 - 10) | -0.009 |
| 0.19 (3/31/2020) | 0.62 (4/22/2015) | (0.19 - 0.62)/(29 - 10) | -0.0226316 |
| 0.246 (6/10/2020) | 0.62 (4/22/2015) | (0.246 - 0.62)/(30 - 10) | -0.0187 |
| 0.345 (9/21/2020) | 0.62 (4/22/2015) | (0.345 - 0.62)/(31 - 10) | -0.0130952 |
| 0.546 (12/17/2020) | 0.62 (4/22/2015) | (0.546 - 0.62)/(32 - 10) | -0.00336364 |
| 0.189 (3/18/2021) | 0.62 (4/22/2015) | (0.189 - 0.62)/(33 - 10) | -0.0187391 |
| 7.85 (5/5/2021) | 0.62 (4/22/2015) | (7.85 - 0.62)/(34 - 10) | 0.30125 |
| 0.552 (9/2/2021) | 0.62 (4/22/2015) | (0.552 - 0.62)/(35 - 10) | -0.00272 |
| 0.315 (11/23/2021) | 0.62 (4/22/2015) | (0.315 - 0.62)/(36 - 10) | -0.0117308 |
| 0.385 (1/10/2022) | 0.62 (4/22/2015) | (0.385 - 0.62)/(37 - 10) | -0.0087037 |
| 0.402 (4/7/2022) | 0.62 (4/22/2015) | (0.402 - 0.62)/(38 - 10) | -0.00778571 |
| 0.176 (8/3/2022) | 0.62 (4/22/2015) | (0.176 - 0.62)/(39 - 10) | -0.0153103 |
| ND<0.1 U (11/16/2022) | 0.62 (4/22/2015) | (0.1 - 0.62)/(40 - 10) | -0.0173333 |
| 0.501 (2/13/2023) | 0.62 (4/22/2015) | (0.501 - 0.62)/(41 - 10) | -0.00383871 |
| 0.528 (5/24/2023) | 0.62 (4/22/2015) | (0.528 - 0.62)/(42 - 10) | -0.002875 |
| ND<0.1 U (8/7/2023) | 0.62 (4/22/2015) | (0.1 - 0.62)/(43 - 10) | -0.0157576 |
| 0.352 (12/12/2023) | 0.62 (4/22/2015) | (0.352 - 0.62)/(44 - 10) | -0.00788235 |
| 0.693 (1/10/2024) | 0.62 (4/22/2015) | (0.693 - 0.62)/(45 - 10) | 0.00208571 |
| 0.213 (5/20/2024) | 0.62 (4/22/2015) | (0.213 - 0.62)/(46 - 10) | -0.0113056 |
| 0.0955 (9/16/2024) | 0.62 (4/22/2015) | (0.0955 - 0.62)/(47 - 10) | -0.0141757 |
| 0.496 (12/11/2024) | 0.62 (4/22/2015) | (0.496 - 0.62)/(48 - 10) | -0.00326316 |
| 0.892 (2/18/2025) | 0.62 (4/22/2015) | (0.892 - 0.62)/(49 - 10) | 0.00697436 |
| | | | |
| 0.44 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.44 - 0.1)/(12 - 11) | 0.34 |
| 0.5 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.5 - 0.1)/(13 - 11) | 0.2 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| 0.16 (8/9/2016) | ND<0.1 U (9/30/2015) | (0.16 - 0.1)/(15 - 11) | 0.015 |
| 0.89 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.89 - 0.1)/(16 - 11) | 0.158 |
| 0.48 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.48 - 0.1)/(17 - 11) | 0.0633333 |
| 0.25 (6/21/2017) | ND<0.1 U (9/30/2015) | (0.25 - 0.1)/(18 - 11) | 0.0214286 |
| 0.12 (8/17/2017) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(19 - 11) | 0.0025 |
| 0.7 (10/26/2017) | ND<0.1 U (9/30/2015) | (0.7 - 0.1)/(20 - 11) | 0.0666667 |
| 0.673 (3/27/2018) | ND<0.1 U (9/30/2015) | (0.673 - 0.1)/(21 - 11) | 0.0573 |
| 0.206 (6/26/2018) | ND<0.1 U (9/30/2015) | (0.206 - 0.1)/(22 - 11) | 0.00963636 |
| 0.109 (8/1/2018) | ND<0.1 U (9/30/2015) | (0.109 - 0.1)/(23 - 11) | 0.00075 |
| 0.812 (12/11/2018) | ND<0.1 U (9/30/2015) | (0.812 - 0.1)/(24 - 11) | 0.0547692 |
| 0.598 (4/17/2019) | ND<0.1 U (9/30/2015) | (0.598 - 0.1)/(25 - 11) | 0.0355714 |
| 0.444 (6/11/2019) | ND<0.1 U (9/30/2015) | (0.444 - 0.1)/(26 - 11) | 0.0229333 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.458 (10/28/2019) | ND<0.1 U (9/30/2015) | (0.458 - 0.1)/(28 - 11) | 0.0210588 |
| 0.19 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.19 - 0.1)/(29 - 11) | 0.005 |
| 0.246 (6/10/2020) | ND<0.1 U (9/30/2015) | (0.246 - 0.1)/(30 - 11) | 0.00768421 |
| 0.345 (9/21/2020) | ND<0.1 U (9/30/2015) | (0.345 - 0.1)/(31 - 11) | 0.01225 |
| 0.546 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.546 - 0.1)/(32 - 11) | 0.0212381 |
| 0.189 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.189 - 0.1)/(33 - 11) | 0.00404545 |
| 7.85 (5/5/2021) | ND<0.1 U (9/30/2015) | (7.85 - 0.1)/(34 - 11) | 0.336957 |
| 0.552 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.552 - 0.1)/(35 - 11) | 0.0188333 |
| 0.315 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.315 - 0.1)/(36 - 11) | 0.0086 |
| 0.385 (1/10/2022) | ND<0.1 U (9/30/2015) | (0.385 - 0.1)/(37 - 11) | 0.0109615 |
| 0.402 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.402 - 0.1)/(38 - 11) | 0.0111852 |
| 0.176 (8/3/2022) | ND<0.1 U (9/30/2015) | (0.176 - 0.1)/(39 - 11) | 0.00271429 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.501 (2/13/2023) | ND<0.1 U (9/30/2015) | (0.501 - 0.1)/(41 - 11) | 0.0133667 |
| 0.528 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.528 - 0.1)/(42 - 11) | 0.0138065 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| 0.352 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.352 - 0.1)/(44 - 11) | 0.00763636 |
| 0.693 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.693 - 0.1)/(45 - 11) | 0.0174412 |
| 0.213 (5/20/2024) | ND<0.1 U (9/30/2015) | (0.213 - 0.1)/(46 - 11) | 0.00322857 |
| 0.0955 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.0955 - 0.1)/(47 - 11) | -0.000125 |
| 0.496 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.496 - 0.1)/(48 - 11) | 0.0107027 |
| 0.892 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.892 - 0.1)/(49 - 11) | 0.0208421 |

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|---|---|---|---|
| 0.5 (3/15/2016) | 0.44 (11/19/2015) | (0.5 - 0.44)/(13 - 12) | 0.06 |
| ND<0.1 U (6/29/2016) | 0.44 (11/19/2015) | (0.1 - 0.44)/(14 - 12) | -0.17 |
| 0.16 (8/9/2016) | 0.44 (11/19/2015) | (0.16 - 0.44)/(15 - 12) | -0.0933333 |
| 0.89 (12/7/2016) | 0.44 (11/19/2015) | (0.89 - 0.44)/(16 - 12) | 0.1125 |
| 0.48 (3/2/2017) | 0.44 (11/19/2015) | (0.48 - 0.44)/(17 - 12) | 0.008 |
| 0.25 (6/21/2017) | 0.44 (11/19/2015) | (0.25 - 0.44)/(18 - 12) | -0.0316667 |
| 0.12 (8/17/2017) | 0.44 (11/19/2015) | (0.12 - 0.44)/(19 - 12) | -0.0457143 |
| 0.7 (10/26/2017) | 0.44 (11/19/2015) | (0.7 - 0.44)/(20 - 12) | 0.0325 |
| 0.673 (3/27/2018) | 0.44 (11/19/2015) | (0.673 - 0.44)/(21 - 12) | 0.0258889 |
| 0.206 (6/26/2018) | 0.44 (11/19/2015) | (0.206 - 0.44)/(22 - 12) | -0.0234 |
| 0.109 (8/1/2018) | 0.44 (11/19/2015) | (0.109 - 0.44)/(23 - 12) | -0.0300909 |
| 0.812 (12/11/2018) | 0.44 (11/19/2015) | (0.812 - 0.44)/(24 - 12) | 0.031 |
| 0.598 (4/17/2019) | 0.44 (11/19/2015) | (0.598 - 0.44)/(25 - 12) | 0.0121538 |
| 0.444 (6/11/2019) | 0.44 (11/19/2015) | (0.444 - 0.44)/(26 - 12) | 0.000285714 |
| ND<0.1 U (8/28/2019) | 0.44 (11/19/2015) | (0.1 - 0.44)/(27 - 12) | -0.0226667 |
| 0.458 (10/28/2019) | 0.44 (11/19/2015) | (0.458 - 0.44)/(28 - 12) | 0.001125 |
| 0.19 (3/31/2020) | 0.44 (11/19/2015) | (0.19 - 0.44)/(29 - 12) | -0.0147059 |
| 0.246 (6/10/2020) | 0.44 (11/19/2015) | (0.246 - 0.44)/(30 - 12) | -0.0107778 |
| 0.345 (9/21/2020) | 0.44 (11/19/2015) | (0.345 - 0.44)/(31 - 12) | -0.005 |
| 0.546 (12/17/2020) | 0.44 (11/19/2015) | (0.546 - 0.44)/(32 - 12) | 0.0053 |

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|---|---|---|---|
| 0.189 (3/18/2021) | 0.44 (11/19/2015) | (0.189 - 0.44)/(33 - 12) | -0.0119524 |
| 7.85 (5/5/2021) | 0.44 (11/19/2015) | (7.85 - 0.44)/(34 - 12) | 0.336818 |
| 0.552 (9/2/2021) | 0.44 (11/19/2015) | (0.552 - 0.44)/(35 - 12) | 0.00486957 |
| 0.315 (11/23/2021) | 0.44 (11/19/2015) | (0.315 - 0.44)/(36 - 12) | -0.00520833 |
| 0.385 (1/10/2022) | 0.44 (11/19/2015) | (0.385 - 0.44)/(37 - 12) | -0.0022 |
| 0.402 (4/7/2022) | 0.44 (11/19/2015) | (0.402 - 0.44)/(38 - 12) | -0.00146154 |
| 0.176 (8/3/2022) | 0.44 (11/19/2015) | (0.176 - 0.44)/(39 - 12) | -0.00977778 |
| ND<0.1 U (11/16/2022) | 0.44 (11/19/2015) | (0.1 - 0.44)/(40 - 12) | -0.0121429 |
| 0.501 (2/13/2023) | 0.44 (11/19/2015) | (0.501 - 0.44)/(41 - 12) | 0.00210345 |
| 0.528 (5/24/2023) | 0.44 (11/19/2015) | (0.528 - 0.44)/(42 - 12) | 0.00293333 |
| ND<0.1 U (8/7/2023) | 0.44 (11/19/2015) | (0.1 - 0.44)/(43 - 12) | -0.0109677 |
| 0.352 (12/12/2023) | 0.44 (11/19/2015) | (0.352 - 0.44)/(44 - 12) | -0.00275 |
| 0.693 (1/10/2024) | 0.44 (11/19/2015) | (0.693 - 0.44)/(45 - 12) | 0.00766667 |
| 0.213 (5/20/2024) | 0.44 (11/19/2015) | (0.213 - 0.44)/(46 - 12) | -0.00667647 |
| 0.0955 (9/16/2024) | 0.44 (11/19/2015) | (0.0955 - 0.44)/(47 - 12) | -0.00984286 |
| 0.496 (12/11/2024) | 0.44 (11/19/2015) | (0.496 - 0.44)/(48 - 12) | 0.00155556 |
| 0.892 (2/18/2025) | 0.44 (11/19/2015) | (0.892 - 0.44)/(49 - 12) | 0.0122162 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.5 (3/15/2016) | (0.1 - 0.5)/(14 - 13) | -0.4 |
| 0.16 (8/9/2016) | 0.5 (3/15/2016) | (0.16 - 0.5)/(15 - 13) | -0.17 |
| 0.89 (12/7/2016) | 0.5 (3/15/2016) | (0.89 - 0.5)/(16 - 13) | 0.13 |
| 0.48 (3/2/2017) | 0.5 (3/15/2016) | (0.48 - 0.5)/(17 - 13) | -0.005 |
| 0.25 (6/21/2017) | 0.5 (3/15/2016) | (0.25 - 0.5)/(18 - 13) | -0.05 |
| 0.12 (8/17/2017) | 0.5 (3/15/2016) | (0.12 - 0.5)/(19 - 13) | -0.0633333 |
| 0.7 (10/26/2017) | 0.5 (3/15/2016) | (0.7 - 0.5)/(20 - 13) | 0.0285714 |
| 0.673 (3/27/2018) | 0.5 (3/15/2016) | (0.673 - 0.5)/(21 - 13) | 0.021625 |
| 0.206 (6/26/2018) | 0.5 (3/15/2016) | (0.206 - 0.5)/(22 - 13) | -0.0326667 |
| 0.109 (8/1/2018) | 0.5 (3/15/2016) | (0.109 - 0.5)/(23 - 13) | -0.0391 |
| 0.812 (12/11/2018) | 0.5 (3/15/2016) | (0.812 - 0.5)/(24 - 13) | 0.0283636 |
| 0.598 (4/17/2019) | 0.5 (3/15/2016) | (0.598 - 0.5)/(25 - 13) | 0.00816667 |
| 0.444 (6/11/2019) | 0.5 (3/15/2016) | (0.444 - 0.5)/(26 - 13) | -0.00430769 |
| ND<0.1 U (8/28/2019) | 0.5 (3/15/2016) | (0.1 - 0.5)/(27 - 13) | -0.0285714 |
| 0.458 (10/28/2019) | 0.5 (3/15/2016) | (0.458 - 0.5)/(28 - 13) | -0.0028 |
| 0.19 (3/31/2020) | 0.5 (3/15/2016) | (0.19 - 0.5)/(29 - 13) | -0.019375 |
| 0.246 (6/10/2020) | 0.5 (3/15/2016) | (0.246 - 0.5)/(30 - 13) | -0.0149412 |
| 0.345 (9/21/2020) | 0.5 (3/15/2016) | (0.345 - 0.5)/(31 - 13) | -0.00861111 |
| 0.546 (12/17/2020) | 0.5 (3/15/2016) | (0.546 - 0.5)/(32 - 13) | 0.00242105 |
| 0.189 (3/18/2021) | 0.5 (3/15/2016) | (0.189 - 0.5)/(33 - 13) | -0.01555 |
| 7.85 (5/5/2021) | 0.5 (3/15/2016) | (7.85 - 0.5)/(34 - 13) | 0.35 |
| 0.552 (9/2/2021) | 0.5 (3/15/2016) | (0.552 - 0.5)/(35 - 13) | 0.00236364 |
| 0.315 (11/23/2021) | 0.5 (3/15/2016) | (0.315 - 0.5)/(36 - 13) | -0.00804348 |
| 0.385 (1/10/2022) | 0.5 (3/15/2016) | (0.385 - 0.5)/(37 - 13) | -0.00479167 |
| 0.402 (4/7/2022) | 0.5 (3/15/2016) | (0.402 - 0.5)/(38 - 13) | -0.00392 |
| 0.176 (8/3/2022) | 0.5 (3/15/2016) | (0.176 - 0.5)/(39 - 13) | -0.0124615 |
| ND<0.1 U (11/16/2022) | 0.5 (3/15/2016) | (0.1 - 0.5)/(40 - 13) | -0.0148148 |
| 0.501 (2/13/2023) | 0.5 (3/15/2016) | (0.501 - 0.5)/(41 - 13) | 3.57143e-05 |
| 0.528 (5/24/2023) | 0.5 (3/15/2016) | (0.528 - 0.5)/(42 - 13) | 0.000965517 |
| ND<0.1 U (8/7/2023) | 0.5 (3/15/2016) | (0.1 - 0.5)/(43 - 13) | -0.0133333 |
| 0.352 (12/12/2023) | 0.5 (3/15/2016) | (0.352 - 0.5)/(44 - 13) | -0.00477419 |
| 0.693 (1/10/2024) | 0.5 (3/15/2016) | (0.693 - 0.5)/(45 - 13) | 0.00603125 |
| 0.213 (5/20/2024) | 0.5 (3/15/2016) | (0.213 - 0.5)/(46 - 13) | -0.00869697 |
| 0.0955 (9/16/2024) | 0.5 (3/15/2016) | (0.0955 - 0.5)/(47 - 13) | -0.0118971 |
| 0.496 (12/11/2024) | 0.5 (3/15/2016) | (0.496 - 0.5)/(48 - 13) | -0.000114286 |
| 0.892 (2/18/2025) | 0.5 (3/15/2016) | (0.892 - 0.5)/(49 - 13) | 0.0108889 |
| | | | |
| 0.16 (8/9/2016) | ND<0.1 U (6/29/2016) | (0.16 - 0.1)/(15 - 14) | 0.06 |
| 0.89 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.89 - 0.1)/(16 - 14) | 0.395 |

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|---|---|---|---|
| 0.48 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.48 - 0.1)/(17 - 14) | 0.126667 |
| 0.25 (6/21/2017) | ND<0.1 U (6/29/2016) | (0.25 - 0.1)/(18 - 14) | 0.0375 |
| 0.12 (8/17/2017) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(19 - 14) | 0.004 |
| 0.7 (10/26/2017) | ND<0.1 U (6/29/2016) | (0.7 - 0.1)/(20 - 14) | 0.1 |
| 0.673 (3/27/2018) | ND<0.1 U (6/29/2016) | (0.673 - 0.1)/(21 - 14) | 0.0818571 |
| 0.206 (6/26/2018) | ND<0.1 U (6/29/2016) | (0.206 - 0.1)/(22 - 14) | 0.01325 |
| 0.109 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.109 - 0.1)/(23 - 14) | 0.001 |
| 0.812 (12/11/2018) | ND<0.1 U (6/29/2016) | (0.812 - 0.1)/(24 - 14) | 0.0712 |
| 0.598 (4/17/2019) | ND<0.1 U (6/29/2016) | (0.598 - 0.1)/(25 - 14) | 0.0452727 |
| 0.444 (6/11/2019) | ND<0.1 U (6/29/2016) | (0.444 - 0.1)/(26 - 14) | 0.0286667 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.458 (10/28/2019) | ND<0.1 U (6/29/2016) | (0.458 - 0.1)/(28 - 14) | 0.0255714 |
| 0.19 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.19 - 0.1)/(29 - 14) | 0.006 |
| 0.246 (6/10/2020) | ND<0.1 U (6/29/2016) | (0.246 - 0.1)/(30 - 14) | 0.009125 |
| 0.345 (9/21/2020) | ND<0.1 U (6/29/2016) | (0.345 - 0.1)/(31 - 14) | 0.0144118 |
| 0.546 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.546 - 0.1)/(32 - 14) | 0.0247778 |
| 0.189 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.189 - 0.1)/(33 - 14) | 0.00468421 |
| 7.85 (5/5/2021) | ND<0.1 U (6/29/2016) | (7.85 - 0.1)/(34 - 14) | 0.3875 |
| 0.552 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.552 - 0.1)/(35 - 14) | 0.0215238 |
| 0.315 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.315 - 0.1)/(36 - 14) | 0.00977273 |
| 0.385 (1/10/2022) | ND<0.1 U (6/29/2016) | (0.385 - 0.1)/(37 - 14) | 0.0123913 |
| 0.402 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.402 - 0.1)/(38 - 14) | 0.0125833 |
| 0.176 (8/3/2022) | ND<0.1 U (6/29/2016) | (0.176 - 0.1)/(39 - 14) | 0.00304 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.501 (2/13/2023) | ND<0.1 U (6/29/2016) | (0.501 - 0.1)/(41 - 14) | 0.0148519 |
| 0.528 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.528 - 0.1)/(42 - 14) | 0.0152857 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| 0.352 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.352 - 0.1)/(44 - 14) | 0.0084 |
| 0.693 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.693 - 0.1)/(45 - 14) | 0.019129 |
| 0.213 (5/20/2024) | ND<0.1 U (6/29/2016) | (0.213 - 0.1)/(46 - 14) | 0.00353125 |
| 0.0955 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.0955 - 0.1)/(47 - 14) | -0.000136364 |
| 0.496 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.496 - 0.1)/(48 - 14) | 0.0116471 |
| 0.892 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.892 - 0.1)/(49 - 14) | 0.0226286 |

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|---|---|---|---|
| 0.89 (12/7/2016) | 0.16 (8/9/2016) | (0.89 - 0.16)/(16 - 15) | 0.73 |
| 0.48 (3/2/2017) | 0.16 (8/9/2016) | (0.48 - 0.16)/(17 - 15) | 0.16 |
| 0.25 (6/21/2017) | 0.16 (8/9/2016) | (0.25 - 0.16)/(18 - 15) | 0.03 |
| 0.12 (8/17/2017) | 0.16 (8/9/2016) | (0.12 - 0.16)/(19 - 15) | -0.01 |
| 0.7 (10/26/2017) | 0.16 (8/9/2016) | (0.7 - 0.16)/(20 - 15) | 0.108 |
| 0.673 (3/27/2018) | 0.16 (8/9/2016) | (0.673 - 0.16)/(21 - 15) | 0.0855 |
| 0.206 (6/26/2018) | 0.16 (8/9/2016) | (0.206 - 0.16)/(22 - 15) | 0.00657143 |
| 0.109 (8/1/2018) | 0.16 (8/9/2016) | (0.109 - 0.16)/(23 - 15) | -0.006375 |
| 0.812 (12/11/2018) | 0.16 (8/9/2016) | (0.812 - 0.16)/(24 - 15) | 0.0724444 |
| 0.598 (4/17/2019) | 0.16 (8/9/2016) | (0.598 - 0.16)/(25 - 15) | 0.0438 |
| 0.444 (6/11/2019) | 0.16 (8/9/2016) | (0.444 - 0.16)/(26 - 15) | 0.0258182 |
| ND<0.1 U (8/28/2019) | 0.16 (8/9/2016) | (0.1 - 0.16)/(27 - 15) | -0.005 |
| 0.458 (10/28/2019) | 0.16 (8/9/2016) | (0.458 - 0.16)/(28 - 15) | 0.0229231 |
| 0.19 (3/31/2020) | 0.16 (8/9/2016) | (0.19 - 0.16)/(29 - 15) | 0.00214286 |
| 0.246 (6/10/2020) | 0.16 (8/9/2016) | (0.246 - 0.16)/(30 - 15) | 0.00573333 |
| 0.345 (9/21/2020) | 0.16 (8/9/2016) | (0.345 - 0.16)/(31 - 15) | 0.0115625 |
| 0.546 (12/17/2020) | 0.16 (8/9/2016) | (0.546 - 0.16)/(32 - 15) | 0.0227059 |
| 0.189 (3/18/2021) | 0.16 (8/9/2016) | (0.189 - 0.16)/(33 - 15) | 0.00161111 |
| 7.85 (5/5/2021) | 0.16 (8/9/2016) | (7.85 - 0.16)/(34 - 15) | 0.404737 |
| 0.552 (9/2/2021) | 0.16 (8/9/2016) | (0.552 - 0.16)/(35 - 15) | 0.0196 |
| 0.315 (11/23/2021) | 0.16 (8/9/2016) | (0.315 - 0.16)/(36 - 15) | 0.00738095 |
| 0.385 (1/10/2022) | 0.16 (8/9/2016) | (0.385 - 0.16)/(37 - 15) | 0.0102273 |
| 0.402 (4/7/2022) | 0.16 (8/9/2016) | (0.402 - 0.16)/(38 - 15) | 0.0105217 |

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|---|---|---|---|
| 0.176 (8/3/2022) | 0.16 (8/9/2016) | (0.176 - 0.16)/(39 - 15) | 0.000666667 |
| ND<0.1 U (11/16/2022) | 0.16 (8/9/2016) | (0.1 - 0.16)/(40 - 15) | -0.0024 |
| 0.501 (2/13/2023) | 0.16 (8/9/2016) | (0.501 - 0.16)/(41 - 15) | 0.0131154 |
| 0.528 (5/24/2023) | 0.16 (8/9/2016) | (0.528 - 0.16)/(42 - 15) | 0.0136296 |
| ND<0.1 U (8/7/2023) | 0.16 (8/9/2016) | (0.1 - 0.16)/(43 - 15) | -0.00214286 |
| 0.352 (12/12/2023) | 0.16 (8/9/2016) | (0.352 - 0.16)/(44 - 15) | 0.00662069 |
| 0.693 (1/10/2024) | 0.16 (8/9/2016) | (0.693 - 0.16)/(45 - 15) | 0.0177667 |
| 0.213 (5/20/2024) | 0.16 (8/9/2016) | (0.213 - 0.16)/(46 - 15) | 0.00170968 |
| 0.0955 (9/16/2024) | 0.16 (8/9/2016) | (0.0955 - 0.16)/(47 - 15) | -0.00201563 |
| 0.496 (12/11/2024) | 0.16 (8/9/2016) | (0.496 - 0.16)/(48 - 15) | 0.0101818 |
| 0.892 (2/18/2025) | 0.16 (8/9/2016) | (0.892 - 0.16)/(49 - 15) | 0.0215294 |
| | | | |
| 0.48 (3/2/2017) | 0.89 (12/7/2016) | (0.48 - 0.89)/(17 - 16) | -0.41 |
| 0.25 (6/21/2017) | 0.89 (12/7/2016) | (0.25 - 0.89)/(18 - 16) | -0.32 |
| 0.12 (8/17/2017) | 0.89 (12/7/2016) | (0.12 - 0.89)/(19 - 16) | -0.256667 |
| 0.7 (10/26/2017) | 0.89 (12/7/2016) | (0.7 - 0.89)/(20 - 16) | -0.0475 |
| 0.673 (3/27/2018) | 0.89 (12/7/2016) | (0.673 - 0.89)/(21 - 16) | -0.0434 |
| 0.206 (6/26/2018) | 0.89 (12/7/2016) | (0.206 - 0.89)/(22 - 16) | -0.114 |
| 0.109 (8/1/2018) | 0.89 (12/7/2016) | (0.109 - 0.89)/(23 - 16) | -0.111571 |
| 0.812 (12/11/2018) | 0.89 (12/7/2016) | (0.812 - 0.89)/(24 - 16) | -0.00975 |
| 0.598 (4/17/2019) | 0.89 (12/7/2016) | (0.598 - 0.89)/(25 - 16) | -0.0324444 |
| 0.444 (6/11/2019) | 0.89 (12/7/2016) | (0.444 - 0.89)/(26 - 16) | -0.0446 |
| ND<0.1 U (8/28/2019) | 0.89 (12/7/2016) | (0.1 - 0.89)/(27 - 16) | -0.0718182 |
| 0.458 (10/28/2019) | 0.89 (12/7/2016) | (0.458 - 0.89)/(28 - 16) | -0.036 |
| 0.19 (3/31/2020) | 0.89 (12/7/2016) | (0.19 - 0.89)/(29 - 16) | -0.0538462 |
| 0.246 (6/10/2020) | 0.89 (12/7/2016) | (0.246 - 0.89)/(30 - 16) | -0.046 |
| 0.345 (9/21/2020) | 0.89 (12/7/2016) | (0.345 - 0.89)/(31 - 16) | -0.0363333 |
| 0.546 (12/17/2020) | 0.89 (12/7/2016) | (0.546 - 0.89)/(32 - 16) | -0.0215 |
| 0.189 (3/18/2021) | 0.89 (12/7/2016) | (0.189 - 0.89)/(33 - 16) | -0.0412353 |
| 7.85 (5/5/2021) | 0.89 (12/7/2016) | (7.85 - 0.89)/(34 - 16) | 0.386667 |
| 0.552 (9/2/2021) | 0.89 (12/7/2016) | (0.552 - 0.89)/(35 - 16) | -0.0177895 |
| 0.315 (11/23/2021) | 0.89 (12/7/2016) | (0.315 - 0.89)/(36 - 16) | -0.02875 |
| 0.385 (1/10/2022) | 0.89 (12/7/2016) | (0.385 - 0.89)/(37 - 16) | -0.0240476 |
| 0.402 (4/7/2022) | 0.89 (12/7/2016) | (0.402 - 0.89)/(38 - 16) | -0.0221818 |
| 0.176 (8/3/2022) | 0.89 (12/7/2016) | (0.176 - 0.89)/(39 - 16) | -0.0310435 |
| ND<0.1 U (11/16/2022) | 0.89 (12/7/2016) | (0.1 - 0.89)/(40 - 16) | -0.0329167 |
| 0.501 (2/13/2023) | 0.89 (12/7/2016) | (0.501 - 0.89)/(41 - 16) | -0.01556 |
| 0.528 (5/24/2023) | 0.89 (12/7/2016) | (0.528 - 0.89)/(42 - 16) | -0.0139231 |
| ND<0.1 U (8/7/2023) | 0.89 (12/7/2016) | (0.1 - 0.89)/(43 - 16) | -0.0292593 |
| 0.352 (12/12/2023) | 0.89 (12/7/2016) | (0.352 - 0.89)/(44 - 16) | -0.0192143 |
| 0.693 (1/10/2024) | 0.89 (12/7/2016) | (0.693 - 0.89)/(45 - 16) | -0.0067931 |
| 0.213 (5/20/2024) | 0.89 (12/7/2016) | (0.213 - 0.89)/(46 - 16) | -0.0225667 |
| 0.0955 (9/16/2024) | 0.89 (12/7/2016) | (0.0955 - 0.89)/(47 - 16) | -0.025629 |
| 0.496 (12/11/2024) | 0.89 (12/7/2016) | (0.496 - 0.89)/(48 - 16) | -0.0123125 |
| 0.892 (2/18/2025) | 0.89 (12/7/2016) | (0.892 - 0.89)/(49 - 16) | 6.06061e-05 |
| | | | |
| 0.25 (6/21/2017) | 0.48 (3/2/2017) | (0.25 - 0.48)/(18 - 17) | -0.23 |
| 0.12 (8/17/2017) | 0.48 (3/2/2017) | (0.12 - 0.48)/(19 - 17) | -0.18 |
| 0.7 (10/26/2017) | 0.48 (3/2/2017) | (0.7 - 0.48)/(20 - 17) | 0.0733333 |
| 0.673 (3/27/2018) | 0.48 (3/2/2017) | (0.673 - 0.48)/(21 - 17) | 0.04825 |
| 0.206 (6/26/2018) | 0.48 (3/2/2017) | (0.206 - 0.48)/(22 - 17) | -0.0548 |
| 0.109 (8/1/2018) | 0.48 (3/2/2017) | (0.109 - 0.48)/(23 - 17) | -0.0618333 |
| 0.812 (12/11/2018) | 0.48 (3/2/2017) | (0.812 - 0.48)/(24 - 17) | 0.0474286 |
| 0.598 (4/17/2019) | 0.48 (3/2/2017) | (0.598 - 0.48)/(25 - 17) | 0.01475 |
| 0.444 (6/11/2019) | 0.48 (3/2/2017) | (0.444 - 0.48)/(26 - 17) | -0.004 |
| ND<0.1 U (8/28/2019) | 0.48 (3/2/2017) | (0.1 - 0.48)/(27 - 17) | -0.038 |
| 0.458 (10/28/2019) | 0.48 (3/2/2017) | (0.458 - 0.48)/(28 - 17) | -0.002 |

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|---|---|---|---|
| 0.19 (3/31/2020) | 0.48 (3/2/2017) | (0.19 - 0.48)/(29 - 17) | -0.0241667 |
| 0.246 (6/10/2020) | 0.48 (3/2/2017) | (0.246 - 0.48)/(30 - 17) | -0.018 |
| 0.345 (9/21/2020) | 0.48 (3/2/2017) | (0.345 - 0.48)/(31 - 17) | -0.00964286 |
| 0.546 (12/17/2020) | 0.48 (3/2/2017) | (0.546 - 0.48)/(32 - 17) | 0.0044 |
| 0.189 (3/18/2021) | 0.48 (3/2/2017) | (0.189 - 0.48)/(33 - 17) | -0.0181875 |
| 7.85 (5/5/2021) | 0.48 (3/2/2017) | (7.85 - 0.48)/(34 - 17) | 0.433529 |
| 0.552 (9/2/2021) | 0.48 (3/2/2017) | (0.552 - 0.48)/(35 - 17) | 0.004 |
| 0.315 (11/23/2021) | 0.48 (3/2/2017) | (0.315 - 0.48)/(36 - 17) | -0.00868421 |
| 0.385 (1/10/2022) | 0.48 (3/2/2017) | (0.385 - 0.48)/(37 - 17) | -0.00475 |
| 0.402 (4/7/2022) | 0.48 (3/2/2017) | (0.402 - 0.48)/(38 - 17) | -0.00371429 |
| 0.176 (8/3/2022) | 0.48 (3/2/2017) | (0.176 - 0.48)/(39 - 17) | -0.0138182 |
| ND<0.1 U (11/16/2022) | 0.48 (3/2/2017) | (0.1 - 0.48)/(40 - 17) | -0.0165217 |
| 0.501 (2/13/2023) | 0.48 (3/2/2017) | (0.501 - 0.48)/(41 - 17) | 0.000875 |
| 0.528 (5/24/2023) | 0.48 (3/2/2017) | (0.528 - 0.48)/(42 - 17) | 0.00192 |
| ND<0.1 U (8/7/2023) | 0.48 (3/2/2017) | (0.1 - 0.48)/(43 - 17) | -0.0146154 |
| 0.352 (12/12/2023) | 0.48 (3/2/2017) | (0.352 - 0.48)/(44 - 17) | -0.00474074 |
| 0.693 (1/10/2024) | 0.48 (3/2/2017) | (0.693 - 0.48)/(45 - 17) | 0.00760714 |
| 0.213 (5/20/2024) | 0.48 (3/2/2017) | (0.213 - 0.48)/(46 - 17) | -0.0092069 |
| 0.0955 (9/16/2024) | 0.48 (3/2/2017) | (0.0955 - 0.48)/(47 - 17) | -0.0128167 |
| 0.496 (12/11/2024) | 0.48 (3/2/2017) | (0.496 - 0.48)/(48 - 17) | 0.000516129 |
| 0.892 (2/18/2025) | 0.48 (3/2/2017) | (0.892 - 0.48)/(49 - 17) | 0.012875 |
| | | | |
| 0.12 (8/17/2017) | 0.25 (6/21/2017) | (0.12 - 0.25)/(19 - 18) | -0.13 |
| 0.7 (10/26/2017) | 0.25 (6/21/2017) | (0.7 - 0.25)/(20 - 18) | 0.225 |
| 0.673 (3/27/2018) | 0.25 (6/21/2017) | (0.673 - 0.25)/(21 - 18) | 0.141 |
| 0.206 (6/26/2018) | 0.25 (6/21/2017) | (0.206 - 0.25)/(22 - 18) | -0.011 |
| 0.109 (8/1/2018) | 0.25 (6/21/2017) | (0.109 - 0.25)/(23 - 18) | -0.0282 |
| 0.812 (12/11/2018) | 0.25 (6/21/2017) | (0.812 - 0.25)/(24 - 18) | 0.0936667 |
| 0.598 (4/17/2019) | 0.25 (6/21/2017) | (0.598 - 0.25)/(25 - 18) | 0.0497143 |
| 0.444 (6/11/2019) | 0.25 (6/21/2017) | (0.444 - 0.25)/(26 - 18) | 0.02425 |
| ND<0.1 U (8/28/2019) | 0.25 (6/21/2017) | (0.1 - 0.25)/(27 - 18) | -0.0166667 |
| 0.458 (10/28/2019) | 0.25 (6/21/2017) | (0.458 - 0.25)/(28 - 18) | 0.0208 |
| 0.19 (3/31/2020) | 0.25 (6/21/2017) | (0.19 - 0.25)/(29 - 18) | -0.00545455 |
| 0.246 (6/10/2020) | 0.25 (6/21/2017) | (0.246 - 0.25)/(30 - 18) | -0.000333333 |
| 0.345 (9/21/2020) | 0.25 (6/21/2017) | (0.345 - 0.25)/(31 - 18) | 0.00730769 |
| 0.546 (12/17/2020) | 0.25 (6/21/2017) | (0.546 - 0.25)/(32 - 18) | 0.0211429 |
| 0.189 (3/18/2021) | 0.25 (6/21/2017) | (0.189 - 0.25)/(33 - 18) | -0.00406667 |
| 7.85 (5/5/2021) | 0.25 (6/21/2017) | (7.85 - 0.25)/(34 - 18) | 0.475 |
| 0.552 (9/2/2021) | 0.25 (6/21/2017) | (0.552 - 0.25)/(35 - 18) | 0.0177647 |
| 0.315 (11/23/2021) | 0.25 (6/21/2017) | (0.315 - 0.25)/(36 - 18) | 0.00361111 |
| 0.385 (1/10/2022) | 0.25 (6/21/2017) | (0.385 - 0.25)/(37 - 18) | 0.00710526 |
| 0.402 (4/7/2022) | 0.25 (6/21/2017) | (0.402 - 0.25)/(38 - 18) | 0.0076 |
| 0.176 (8/3/2022) | 0.25 (6/21/2017) | (0.176 - 0.25)/(39 - 18) | -0.00352381 |
| ND<0.1 U (11/16/2022) | 0.25 (6/21/2017) | (0.1 - 0.25)/(40 - 18) | -0.00681818 |
| 0.501 (2/13/2023) | 0.25 (6/21/2017) | (0.501 - 0.25)/(41 - 18) | 0.010913 |
| 0.528 (5/24/2023) | 0.25 (6/21/2017) | (0.528 - 0.25)/(42 - 18) | 0.0115833 |
| ND<0.1 U (8/7/2023) | 0.25 (6/21/2017) | (0.1 - 0.25)/(43 - 18) | -0.006 |
| 0.352 (12/12/2023) | 0.25 (6/21/2017) | (0.352 - 0.25)/(44 - 18) | 0.00392308 |
| 0.693 (1/10/2024) | 0.25 (6/21/2017) | (0.693 - 0.25)/(45 - 18) | 0.0164074 |
| 0.213 (5/20/2024) | 0.25 (6/21/2017) | (0.213 - 0.25)/(46 - 18) | -0.00132143 |
| 0.0955 (9/16/2024) | 0.25 (6/21/2017) | (0.0955 - 0.25)/(47 - 18) | -0.00532759 |
| 0.496 (12/11/2024) | 0.25 (6/21/2017) | (0.496 - 0.25)/(48 - 18) | 0.0082 |
| 0.892 (2/18/2025) | 0.25 (6/21/2017) | (0.892 - 0.25)/(49 - 18) | 0.0207097 |
| | | | |
| 0.7 (10/26/2017) | 0.12 (8/17/2017) | (0.7 - 0.12)/(20 - 19) | 0.58 |
| 0.673 (3/27/2018) | 0.12 (8/17/2017) | (0.673 - 0.12)/(21 - 19) | 0.2765 |
| 0.206 (6/26/2018) | 0.12 (8/17/2017) | (0.206 - 0.12)/(22 - 19) | 0.0286667 |

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|---|---|---|---|
| 0.109 (8/1/2018) | 0.12 (8/17/2017) | (0.109 - 0.12)/(23 - 19) | -0.00275 |
| 0.812 (12/11/2018) | 0.12 (8/17/2017) | (0.812 - 0.12)/(24 - 19) | 0.1384 |
| 0.598 (4/17/2019) | 0.12 (8/17/2017) | (0.598 - 0.12)/(25 - 19) | 0.0796667 |
| 0.444 (6/11/2019) | 0.12 (8/17/2017) | (0.444 - 0.12)/(26 - 19) | 0.0462857 |
| ND<0.1 U (8/28/2019) | 0.12 (8/17/2017) | (0.1 - 0.12)/(27 - 19) | -0.0025 |
| 0.458 (10/28/2019) | 0.12 (8/17/2017) | (0.458 - 0.12)/(28 - 19) | 0.0375556 |
| 0.19 (3/31/2020) | 0.12 (8/17/2017) | (0.19 - 0.12)/(29 - 19) | 0.007 |
| 0.246 (6/10/2020) | 0.12 (8/17/2017) | (0.246 - 0.12)/(30 - 19) | 0.0114545 |
| 0.345 (9/21/2020) | 0.12 (8/17/2017) | (0.345 - 0.12)/(31 - 19) | 0.01875 |
| 0.546 (12/17/2020) | 0.12 (8/17/2017) | (0.546 - 0.12)/(32 - 19) | 0.0327692 |
| 0.189 (3/18/2021) | 0.12 (8/17/2017) | (0.189 - 0.12)/(33 - 19) | 0.00492857 |
| 7.85 (5/5/2021) | 0.12 (8/17/2017) | (7.85 - 0.12)/(34 - 19) | 0.515333 |
| 0.552 (9/2/2021) | 0.12 (8/17/2017) | (0.552 - 0.12)/(35 - 19) | 0.027 |
| 0.315 (11/23/2021) | 0.12 (8/17/2017) | (0.315 - 0.12)/(36 - 19) | 0.0114706 |
| 0.385 (1/10/2022) | 0.12 (8/17/2017) | (0.385 - 0.12)/(37 - 19) | 0.0147222 |
| 0.402 (4/7/2022) | 0.12 (8/17/2017) | (0.402 - 0.12)/(38 - 19) | 0.0148421 |
| 0.176 (8/3/2022) | 0.12 (8/17/2017) | (0.176 - 0.12)/(39 - 19) | 0.0028 |
| ND<0.1 U (11/16/2022) | 0.12 (8/17/2017) | (0.1 - 0.12)/(40 - 19) | -0.000952381 |
| 0.501 (2/13/2023) | 0.12 (8/17/2017) | (0.501 - 0.12)/(41 - 19) | 0.0173182 |
| 0.528 (5/24/2023) | 0.12 (8/17/2017) | (0.528 - 0.12)/(42 - 19) | 0.0177391 |
| ND<0.1 U (8/7/2023) | 0.12 (8/17/2017) | (0.1 - 0.12)/(43 - 19) | -0.000833333 |
| 0.352 (12/12/2023) | 0.12 (8/17/2017) | (0.352 - 0.12)/(44 - 19) | 0.00928 |
| 0.693 (1/10/2024) | 0.12 (8/17/2017) | (0.693 - 0.12)/(45 - 19) | 0.0220385 |
| 0.213 (5/20/2024) | 0.12 (8/17/2017) | (0.213 - 0.12)/(46 - 19) | 0.00344444 |
| 0.0955 (9/16/2024) | 0.12 (8/17/2017) | (0.0955 - 0.12)/(47 - 19) | -0.000875 |
| 0.496 (12/11/2024) | 0.12 (8/17/2017) | (0.496 - 0.12)/(48 - 19) | 0.0129655 |
| 0.892 (2/18/2025) | 0.12 (8/17/2017) | (0.892 - 0.12)/(49 - 19) | 0.0257333 |

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|---|---|---|---|
| 0.673 (3/27/2018) | 0.7 (10/26/2017) | (0.673 - 0.7)/(21 - 20) | -0.027 |
| 0.206 (6/26/2018) | 0.7 (10/26/2017) | (0.206 - 0.7)/(22 - 20) | -0.247 |
| 0.109 (8/1/2018) | 0.7 (10/26/2017) | (0.109 - 0.7)/(23 - 20) | -0.197 |
| 0.812 (12/11/2018) | 0.7 (10/26/2017) | (0.812 - 0.7)/(24 - 20) | 0.028 |
| 0.598 (4/17/2019) | 0.7 (10/26/2017) | (0.598 - 0.7)/(25 - 20) | -0.0204 |
| 0.444 (6/11/2019) | 0.7 (10/26/2017) | (0.444 - 0.7)/(26 - 20) | -0.0426667 |
| ND<0.1 U (8/28/2019) | 0.7 (10/26/2017) | (0.1 - 0.7)/(27 - 20) | -0.0857143 |
| 0.458 (10/28/2019) | 0.7 (10/26/2017) | (0.458 - 0.7)/(28 - 20) | -0.03025 |
| 0.19 (3/31/2020) | 0.7 (10/26/2017) | (0.19 - 0.7)/(29 - 20) | -0.0566667 |
| 0.246 (6/10/2020) | 0.7 (10/26/2017) | (0.246 - 0.7)/(30 - 20) | -0.0454 |
| 0.345 (9/21/2020) | 0.7 (10/26/2017) | (0.345 - 0.7)/(31 - 20) | -0.0322727 |
| 0.546 (12/17/2020) | 0.7 (10/26/2017) | (0.546 - 0.7)/(32 - 20) | -0.0128333 |
| 0.189 (3/18/2021) | 0.7 (10/26/2017) | (0.189 - 0.7)/(33 - 20) | -0.0393077 |
| 7.85 (5/5/2021) | 0.7 (10/26/2017) | (7.85 - 0.7)/(34 - 20) | 0.510714 |
| 0.552 (9/2/2021) | 0.7 (10/26/2017) | (0.552 - 0.7)/(35 - 20) | -0.00986667 |
| 0.315 (11/23/2021) | 0.7 (10/26/2017) | (0.315 - 0.7)/(36 - 20) | -0.0240625 |
| 0.385 (1/10/2022) | 0.7 (10/26/2017) | (0.385 - 0.7)/(37 - 20) | -0.0185294 |
| 0.402 (4/7/2022) | 0.7 (10/26/2017) | (0.402 - 0.7)/(38 - 20) | -0.0165556 |
| 0.176 (8/3/2022) | 0.7 (10/26/2017) | (0.176 - 0.7)/(39 - 20) | -0.0275789 |
| ND<0.1 U (11/16/2022) | 0.7 (10/26/2017) | (0.1 - 0.7)/(40 - 20) | -0.03 |
| 0.501 (2/13/2023) | 0.7 (10/26/2017) | (0.501 - 0.7)/(41 - 20) | -0.00947619 |
| 0.528 (5/24/2023) | 0.7 (10/26/2017) | (0.528 - 0.7)/(42 - 20) | -0.00781818 |
| ND<0.1 U (8/7/2023) | 0.7 (10/26/2017) | (0.1 - 0.7)/(43 - 20) | -0.026087 |
| 0.352 (12/12/2023) | 0.7 (10/26/2017) | (0.352 - 0.7)/(44 - 20) | -0.0145 |
| 0.693 (1/10/2024) | 0.7 (10/26/2017) | (0.693 - 0.7)/(45 - 20) | -0.00028 |
| 0.213 (5/20/2024) | 0.7 (10/26/2017) | (0.213 - 0.7)/(46 - 20) | -0.0187308 |
| 0.0955 (9/16/2024) | 0.7 (10/26/2017) | (0.0955 - 0.7)/(47 - 20) | -0.0223889 |
| 0.496 (12/11/2024) | 0.7 (10/26/2017) | (0.496 - 0.7)/(48 - 20) | -0.00728571 |
| 0.892 (2/18/2025) | 0.7 (10/26/2017) | (0.892 - 0.7)/(49 - 20) | 0.00662069 |

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|---|---|---|---|
| 0.206 (6/26/2018) | 0.673 (3/27/2018) | (0.206 - 0.673)/(22 - 21) | -0.467 |
| 0.109 (8/1/2018) | 0.673 (3/27/2018) | (0.109 - 0.673)/(23 - 21) | -0.282 |
| 0.812 (12/11/2018) | 0.673 (3/27/2018) | (0.812 - 0.673)/(24 - 21) | 0.0463333 |
| 0.598 (4/17/2019) | 0.673 (3/27/2018) | (0.598 - 0.673)/(25 - 21) | -0.01875 |
| 0.444 (6/11/2019) | 0.673 (3/27/2018) | (0.444 - 0.673)/(26 - 21) | -0.0458 |
| ND<0.1 U (8/28/2019) | 0.673 (3/27/2018) | (0.1 - 0.673)/(27 - 21) | -0.0955 |
| 0.458 (10/28/2019) | 0.673 (3/27/2018) | (0.458 - 0.673)/(28 - 21) | -0.0307143 |
| 0.19 (3/31/2020) | 0.673 (3/27/2018) | (0.19 - 0.673)/(29 - 21) | -0.060375 |
| 0.246 (6/10/2020) | 0.673 (3/27/2018) | (0.246 - 0.673)/(30 - 21) | -0.0474444 |
| 0.345 (9/21/2020) | 0.673 (3/27/2018) | (0.345 - 0.673)/(31 - 21) | -0.0328 |
| 0.546 (12/17/2020) | 0.673 (3/27/2018) | (0.546 - 0.673)/(32 - 21) | -0.0115455 |
| 0.189 (3/18/2021) | 0.673 (3/27/2018) | (0.189 - 0.673)/(33 - 21) | -0.0403333 |
| 7.85 (5/5/2021) | 0.673 (3/27/2018) | (7.85 - 0.673)/(34 - 21) | 0.552077 |
| 0.552 (9/2/2021) | 0.673 (3/27/2018) | (0.552 - 0.673)/(35 - 21) | -0.00864286 |
| 0.315 (11/23/2021) | 0.673 (3/27/2018) | (0.315 - 0.673)/(36 - 21) | -0.0238667 |
| 0.385 (1/10/2022) | 0.673 (3/27/2018) | (0.385 - 0.673)/(37 - 21) | -0.018 |
| 0.402 (4/7/2022) | 0.673 (3/27/2018) | (0.402 - 0.673)/(38 - 21) | -0.0159412 |
| 0.176 (8/3/2022) | 0.673 (3/27/2018) | (0.176 - 0.673)/(39 - 21) | -0.0276111 |
| ND<0.1 U (11/16/2022) | 0.673 (3/27/2018) | (0.1 - 0.673)/(40 - 21) | -0.0301579 |
| 0.501 (2/13/2023) | 0.673 (3/27/2018) | (0.501 - 0.673)/(41 - 21) | -0.0086 |
| 0.528 (5/24/2023) | 0.673 (3/27/2018) | (0.528 - 0.673)/(42 - 21) | -0.00690476 |
| ND<0.1 U (8/7/2023) | 0.673 (3/27/2018) | (0.1 - 0.673)/(43 - 21) | -0.0260455 |
| 0.352 (12/12/2023) | 0.673 (3/27/2018) | (0.352 - 0.673)/(44 - 21) | -0.0139565 |
| 0.693 (1/10/2024) | 0.673 (3/27/2018) | (0.693 - 0.673)/(45 - 21) | 0.000833333 |
| 0.213 (5/20/2024) | 0.673 (3/27/2018) | (0.213 - 0.673)/(46 - 21) | -0.0184 |
| 0.0955 (9/16/2024) | 0.673 (3/27/2018) | (0.0955 - 0.673)/(47 - 21) | -0.0222115 |
| 0.496 (12/11/2024) | 0.673 (3/27/2018) | (0.496 - 0.673)/(48 - 21) | -0.00655556 |
| 0.892 (2/18/2025) | 0.673 (3/27/2018) | (0.892 - 0.673)/(49 - 21) | 0.00782143 |
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| 0.109 (8/1/2018) | 0.206 (6/26/2018) | (0.109 - 0.206)/(23 - 22) | -0.097 |
| 0.812 (12/11/2018) | 0.206 (6/26/2018) | (0.812 - 0.206)/(24 - 22) | 0.303 |
| 0.598 (4/17/2019) | 0.206 (6/26/2018) | (0.598 - 0.206)/(25 - 22) | 0.130667 |
| 0.444 (6/11/2019) | 0.206 (6/26/2018) | (0.444 - 0.206)/(26 - 22) | 0.0595 |
| ND<0.1 U (8/28/2019) | 0.206 (6/26/2018) | (0.1 - 0.206)/(27 - 22) | -0.0212 |
| 0.458 (10/28/2019) | 0.206 (6/26/2018) | (0.458 - 0.206)/(28 - 22) | 0.042 |
| 0.19 (3/31/2020) | 0.206 (6/26/2018) | (0.19 - 0.206)/(29 - 22) | -0.00228571 |
| 0.246 (6/10/2020) | 0.206 (6/26/2018) | (0.246 - 0.206)/(30 - 22) | 0.005 |
| 0.345 (9/21/2020) | 0.206 (6/26/2018) | (0.345 - 0.206)/(31 - 22) | 0.0154444 |
| 0.546 (12/17/2020) | 0.206 (6/26/2018) | (0.546 - 0.206)/(32 - 22) | 0.034 |
| 0.189 (3/18/2021) | 0.206 (6/26/2018) | (0.189 - 0.206)/(33 - 22) | -0.00154545 |
| 7.85 (5/5/2021) | 0.206 (6/26/2018) | (7.85 - 0.206)/(34 - 22) | 0.637 |
| 0.552 (9/2/2021) | 0.206 (6/26/2018) | (0.552 - 0.206)/(35 - 22) | 0.0266154 |
| 0.315 (11/23/2021) | 0.206 (6/26/2018) | (0.315 - 0.206)/(36 - 22) | 0.00778571 |
| 0.385 (1/10/2022) | 0.206 (6/26/2018) | (0.385 - 0.206)/(37 - 22) | 0.0119333 |
| 0.402 (4/7/2022) | 0.206 (6/26/2018) | (0.402 - 0.206)/(38 - 22) | 0.01225 |
| 0.176 (8/3/2022) | 0.206 (6/26/2018) | (0.176 - 0.206)/(39 - 22) | -0.00176471 |
| ND<0.1 U (11/16/2022) | 0.206 (6/26/2018) | (0.1 - 0.206)/(40 - 22) | -0.00588889 |
| 0.501 (2/13/2023) | 0.206 (6/26/2018) | (0.501 - 0.206)/(41 - 22) | 0.0155263 |
| 0.528 (5/24/2023) | 0.206 (6/26/2018) | (0.528 - 0.206)/(42 - 22) | 0.0161 |
| ND<0.1 U (8/7/2023) | 0.206 (6/26/2018) | (0.1 - 0.206)/(43 - 22) | -0.00504762 |
| 0.352 (12/12/2023) | 0.206 (6/26/2018) | (0.352 - 0.206)/(44 - 22) | 0.00663636 |
| 0.693 (1/10/2024) | 0.206 (6/26/2018) | (0.693 - 0.206)/(45 - 22) | 0.0211739 |
| 0.213 (5/20/2024) | 0.206 (6/26/2018) | (0.213 - 0.206)/(46 - 22) | 0.000291667 |
| 0.0955 (9/16/2024) | 0.206 (6/26/2018) | (0.0955 - 0.206)/(47 - 22) | -0.00442 |
| 0.496 (12/11/2024) | 0.206 (6/26/2018) | (0.496 - 0.206)/(48 - 22) | 0.0111538 |
| 0.892 (2/18/2025) | 0.206 (6/26/2018) | (0.892 - 0.206)/(49 - 22) | 0.0254074 |

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|---|---|---|---|
| 0.812 (12/11/2018) | 0.109 (8/1/2018) | (0.812 - 0.109)/(24 - 23) | 0.703 |
| 0.598 (4/17/2019) | 0.109 (8/1/2018) | (0.598 - 0.109)/(25 - 23) | 0.2445 |
| 0.444 (6/11/2019) | 0.109 (8/1/2018) | (0.444 - 0.109)/(26 - 23) | 0.111667 |
| ND<0.1 U (8/28/2019) | 0.109 (8/1/2018) | (0.1 - 0.109)/(27 - 23) | -0.00225 |
| 0.458 (10/28/2019) | 0.109 (8/1/2018) | (0.458 - 0.109)/(28 - 23) | 0.0698 |
| 0.19 (3/31/2020) | 0.109 (8/1/2018) | (0.19 - 0.109)/(29 - 23) | 0.0135 |
| 0.246 (6/10/2020) | 0.109 (8/1/2018) | (0.246 - 0.109)/(30 - 23) | 0.0195714 |
| 0.345 (9/21/2020) | 0.109 (8/1/2018) | (0.345 - 0.109)/(31 - 23) | 0.0295 |
| 0.546 (12/17/2020) | 0.109 (8/1/2018) | (0.546 - 0.109)/(32 - 23) | 0.0485556 |
| 0.189 (3/18/2021) | 0.109 (8/1/2018) | (0.189 - 0.109)/(33 - 23) | 0.008 |
| 7.85 (5/5/2021) | 0.109 (8/1/2018) | (7.85 - 0.109)/(34 - 23) | 0.703727 |
| 0.552 (9/2/2021) | 0.109 (8/1/2018) | (0.552 - 0.109)/(35 - 23) | 0.0369167 |
| 0.315 (11/23/2021) | 0.109 (8/1/2018) | (0.315 - 0.109)/(36 - 23) | 0.0158462 |
| 0.385 (1/10/2022) | 0.109 (8/1/2018) | (0.385 - 0.109)/(37 - 23) | 0.0197143 |
| 0.402 (4/7/2022) | 0.109 (8/1/2018) | (0.402 - 0.109)/(38 - 23) | 0.0195333 |
| 0.176 (8/3/2022) | 0.109 (8/1/2018) | (0.176 - 0.109)/(39 - 23) | 0.0041875 |
| ND<0.1 U (11/16/2022) | 0.109 (8/1/2018) | (0.1 - 0.109)/(40 - 23) | -0.000529412 |
| 0.501 (2/13/2023) | 0.109 (8/1/2018) | (0.501 - 0.109)/(41 - 23) | 0.0217778 |
| 0.528 (5/24/2023) | 0.109 (8/1/2018) | (0.528 - 0.109)/(42 - 23) | 0.0220526 |
| ND<0.1 U (8/7/2023) | 0.109 (8/1/2018) | (0.1 - 0.109)/(43 - 23) | -0.00045 |
| 0.352 (12/12/2023) | 0.109 (8/1/2018) | (0.352 - 0.109)/(44 - 23) | 0.0115714 |
| 0.693 (1/10/2024) | 0.109 (8/1/2018) | (0.693 - 0.109)/(45 - 23) | 0.0265455 |
| 0.213 (5/20/2024) | 0.109 (8/1/2018) | (0.213 - 0.109)/(46 - 23) | 0.00452174 |
| 0.0955 (9/16/2024) | 0.109 (8/1/2018) | (0.0955 - 0.109)/(47 - 23) | -0.0005625 |
| 0.496 (12/11/2024) | 0.109 (8/1/2018) | (0.496 - 0.109)/(48 - 23) | 0.01548 |
| 0.892 (2/18/2025) | 0.109 (8/1/2018) | (0.892 - 0.109)/(49 - 23) | 0.0301154 |
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| 0.598 (4/17/2019) | 0.812 (12/11/2018) | (0.598 - 0.812)/(25 - 24) | -0.214 |
| 0.444 (6/11/2019) | 0.812 (12/11/2018) | (0.444 - 0.812)/(26 - 24) | -0.184 |
| ND<0.1 U (8/28/2019) | 0.812 (12/11/2018) | (0.1 - 0.812)/(27 - 24) | -0.237333 |
| 0.458 (10/28/2019) | 0.812 (12/11/2018) | (0.458 - 0.812)/(28 - 24) | -0.0885 |
| 0.19 (3/31/2020) | 0.812 (12/11/2018) | (0.19 - 0.812)/(29 - 24) | -0.1244 |
| 0.246 (6/10/2020) | 0.812 (12/11/2018) | (0.246 - 0.812)/(30 - 24) | -0.0943333 |
| 0.345 (9/21/2020) | 0.812 (12/11/2018) | (0.345 - 0.812)/(31 - 24) | -0.0667143 |
| 0.546 (12/17/2020) | 0.812 (12/11/2018) | (0.546 - 0.812)/(32 - 24) | -0.03325 |
| 0.189 (3/18/2021) | 0.812 (12/11/2018) | (0.189 - 0.812)/(33 - 24) | -0.0692222 |
| 7.85 (5/5/2021) | 0.812 (12/11/2018) | (7.85 - 0.812)/(34 - 24) | 0.7038 |
| 0.552 (9/2/2021) | 0.812 (12/11/2018) | (0.552 - 0.812)/(35 - 24) | -0.0236364 |
| 0.315 (11/23/2021) | 0.812 (12/11/2018) | (0.315 - 0.812)/(36 - 24) | -0.0414167 |
| 0.385 (1/10/2022) | 0.812 (12/11/2018) | (0.385 - 0.812)/(37 - 24) | -0.0328462 |
| 0.402 (4/7/2022) | 0.812 (12/11/2018) | (0.402 - 0.812)/(38 - 24) | -0.0292857 |
| 0.176 (8/3/2022) | 0.812 (12/11/2018) | (0.176 - 0.812)/(39 - 24) | -0.0424 |
| ND<0.1 U (11/16/2022) | 0.812 (12/11/2018) | (0.1 - 0.812)/(40 - 24) | -0.0445 |
| 0.501 (2/13/2023) | 0.812 (12/11/2018) | (0.501 - 0.812)/(41 - 24) | -0.0182941 |
| 0.528 (5/24/2023) | 0.812 (12/11/2018) | (0.528 - 0.812)/(42 - 24) | -0.0157778 |
| ND<0.1 U (8/7/2023) | 0.812 (12/11/2018) | (0.1 - 0.812)/(43 - 24) | -0.0374737 |
| 0.352 (12/12/2023) | 0.812 (12/11/2018) | (0.352 - 0.812)/(44 - 24) | -0.023 |
| 0.693 (1/10/2024) | 0.812 (12/11/2018) | (0.693 - 0.812)/(45 - 24) | -0.00566667 |
| 0.213 (5/20/2024) | 0.812 (12/11/2018) | (0.213 - 0.812)/(46 - 24) | -0.0272273 |
| 0.0955 (9/16/2024) | 0.812 (12/11/2018) | (0.0955 - 0.812)/(47 - 24) | -0.0311522 |
| 0.496 (12/11/2024) | 0.812 (12/11/2018) | (0.496 - 0.812)/(48 - 24) | -0.0131667 |
| 0.892 (2/18/2025) | 0.812 (12/11/2018) | (0.892 - 0.812)/(49 - 24) | 0.0032 |
| | | | |
| 0.444 (6/11/2019) | 0.598 (4/17/2019) | (0.444 - 0.598)/(26 - 25) | -0.154 |
| ND<0.1 U (8/28/2019) | 0.598 (4/17/2019) | (0.1 - 0.598)/(27 - 25) | -0.249 |
| 0.458 (10/28/2019) | 0.598 (4/17/2019) | (0.458 - 0.598)/(28 - 25) | -0.0466667 |

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|---|---|---|---|
| 0.19 (3/31/2020) | 0.598 (4/17/2019) | (0.19 - 0.598)/(29 - 25) | -0.102 |
| 0.246 (6/10/2020) | 0.598 (4/17/2019) | (0.246 - 0.598)/(30 - 25) | -0.0704 |
| 0.345 (9/21/2020) | 0.598 (4/17/2019) | (0.345 - 0.598)/(31 - 25) | -0.0421667 |
| 0.546 (12/17/2020) | 0.598 (4/17/2019) | (0.546 - 0.598)/(32 - 25) | -0.00742857 |
| 0.189 (3/18/2021) | 0.598 (4/17/2019) | (0.189 - 0.598)/(33 - 25) | -0.051125 |
| 7.85 (5/5/2021) | 0.598 (4/17/2019) | (7.85 - 0.598)/(34 - 25) | 0.805778 |
| 0.552 (9/2/2021) | 0.598 (4/17/2019) | (0.552 - 0.598)/(35 - 25) | -0.0046 |
| 0.315 (11/23/2021) | 0.598 (4/17/2019) | (0.315 - 0.598)/(36 - 25) | -0.0257273 |
| 0.385 (1/10/2022) | 0.598 (4/17/2019) | (0.385 - 0.598)/(37 - 25) | -0.01775 |
| 0.402 (4/7/2022) | 0.598 (4/17/2019) | (0.402 - 0.598)/(38 - 25) | -0.0150769 |
| 0.176 (8/3/2022) | 0.598 (4/17/2019) | (0.176 - 0.598)/(39 - 25) | -0.0301429 |
| ND<0.1 U (11/16/2022) | 0.598 (4/17/2019) | (0.1 - 0.598)/(40 - 25) | -0.0332 |
| 0.501 (2/13/2023) | 0.598 (4/17/2019) | (0.501 - 0.598)/(41 - 25) | -0.0060625 |
| 0.528 (5/24/2023) | 0.598 (4/17/2019) | (0.528 - 0.598)/(42 - 25) | -0.00411765 |
| ND<0.1 U (8/7/2023) | 0.598 (4/17/2019) | (0.1 - 0.598)/(43 - 25) | -0.0276667 |
| 0.352 (12/12/2023) | 0.598 (4/17/2019) | (0.352 - 0.598)/(44 - 25) | -0.0129474 |
| 0.693 (1/10/2024) | 0.598 (4/17/2019) | (0.693 - 0.598)/(45 - 25) | 0.00475 |
| 0.213 (5/20/2024) | 0.598 (4/17/2019) | (0.213 - 0.598)/(46 - 25) | -0.0183333 |
| 0.0955 (9/16/2024) | 0.598 (4/17/2019) | (0.0955 - 0.598)/(47 - 25) | -0.0228409 |
| 0.496 (12/11/2024) | 0.598 (4/17/2019) | (0.496 - 0.598)/(48 - 25) | -0.00443478 |
| 0.892 (2/18/2025) | 0.598 (4/17/2019) | (0.892 - 0.598)/(49 - 25) | 0.01225 |
| | | | |
| ND<0.1 U (8/28/2019) | 0.444 (6/11/2019) | (0.1 - 0.444)/(27 - 26) | -0.344 |
| 0.458 (10/28/2019) | 0.444 (6/11/2019) | (0.458 - 0.444)/(28 - 26) | 0.007 |
| 0.19 (3/31/2020) | 0.444 (6/11/2019) | (0.19 - 0.444)/(29 - 26) | -0.0846667 |
| 0.246 (6/10/2020) | 0.444 (6/11/2019) | (0.246 - 0.444)/(30 - 26) | -0.0495 |
| 0.345 (9/21/2020) | 0.444 (6/11/2019) | (0.345 - 0.444)/(31 - 26) | -0.0198 |
| 0.546 (12/17/2020) | 0.444 (6/11/2019) | (0.546 - 0.444)/(32 - 26) | 0.017 |
| 0.189 (3/18/2021) | 0.444 (6/11/2019) | (0.189 - 0.444)/(33 - 26) | -0.0364286 |
| 7.85 (5/5/2021) | 0.444 (6/11/2019) | (7.85 - 0.444)/(34 - 26) | 0.92575 |
| 0.552 (9/2/2021) | 0.444 (6/11/2019) | (0.552 - 0.444)/(35 - 26) | 0.012 |
| 0.315 (11/23/2021) | 0.444 (6/11/2019) | (0.315 - 0.444)/(36 - 26) | -0.0129 |
| 0.385 (1/10/2022) | 0.444 (6/11/2019) | (0.385 - 0.444)/(37 - 26) | -0.00536364 |
| 0.402 (4/7/2022) | 0.444 (6/11/2019) | (0.402 - 0.444)/(38 - 26) | -0.0035 |
| 0.176 (8/3/2022) | 0.444 (6/11/2019) | (0.176 - 0.444)/(39 - 26) | -0.0206154 |
| ND<0.1 U (11/16/2022) | 0.444 (6/11/2019) | (0.1 - 0.444)/(40 - 26) | -0.0245714 |
| 0.501 (2/13/2023) | 0.444 (6/11/2019) | (0.501 - 0.444)/(41 - 26) | 0.0038 |
| 0.528 (5/24/2023) | 0.444 (6/11/2019) | (0.528 - 0.444)/(42 - 26) | 0.00525 |
| ND<0.1 U (8/7/2023) | 0.444 (6/11/2019) | (0.1 - 0.444)/(43 - 26) | -0.0202353 |
| 0.352 (12/12/2023) | 0.444 (6/11/2019) | (0.352 - 0.444)/(44 - 26) | -0.00511111 |
| 0.693 (1/10/2024) | 0.444 (6/11/2019) | (0.693 - 0.444)/(45 - 26) | 0.0131053 |
| 0.213 (5/20/2024) | 0.444 (6/11/2019) | (0.213 - 0.444)/(46 - 26) | -0.01155 |
| 0.0955 (9/16/2024) | 0.444 (6/11/2019) | (0.0955 - 0.444)/(47 - 26) | -0.0165952 |
| 0.496 (12/11/2024) | 0.444 (6/11/2019) | (0.496 - 0.444)/(48 - 26) | 0.00236364 |
| 0.892 (2/18/2025) | 0.444 (6/11/2019) | (0.892 - 0.444)/(49 - 26) | 0.0194783 |
| | | | |
| 0.458 (10/28/2019) | ND<0.1 U (8/28/2019) | (0.458 - 0.1)/(28 - 27) | 0.358 |
| 0.19 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.19 - 0.1)/(29 - 27) | 0.045 |
| 0.246 (6/10/2020) | ND<0.1 U (8/28/2019) | (0.246 - 0.1)/(30 - 27) | 0.0486667 |
| 0.345 (9/21/2020) | ND<0.1 U (8/28/2019) | (0.345 - 0.1)/(31 - 27) | 0.06125 |
| 0.546 (12/17/2020) | ND<0.1 U (8/28/2019) | (0.546 - 0.1)/(32 - 27) | 0.0892 |
| 0.189 (3/18/2021) | ND<0.1 U (8/28/2019) | (0.189 - 0.1)/(33 - 27) | 0.0148333 |
| 7.85 (5/5/2021) | ND<0.1 U (8/28/2019) | (7.85 - 0.1)/(34 - 27) | 1.10714 |
| 0.552 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.552 - 0.1)/(35 - 27) | 0.0565 |
| 0.315 (11/23/2021) | ND<0.1 U (8/28/2019) | (0.315 - 0.1)/(36 - 27) | 0.0238889 |
| 0.385 (1/10/2022) | ND<0.1 U (8/28/2019) | (0.385 - 0.1)/(37 - 27) | 0.0285 |
| 0.402 (4/7/2022) | ND<0.1 U (8/28/2019) | (0.402 - 0.1)/(38 - 27) | 0.0274545 |

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|---|---|---|---|
| 0.176 (8/3/2022) | ND<0.1 U (8/28/2019) | (0.176 - 0.1)/(39 - 27) | 0.00633333 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.501 (2/13/2023) | ND<0.1 U (8/28/2019) | (0.501 - 0.1)/(41 - 27) | 0.0286429 |
| 0.528 (5/24/2023) | ND<0.1 U (8/28/2019) | (0.528 - 0.1)/(42 - 27) | 0.0285333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| 0.352 (12/12/2023) | ND<0.1 U (8/28/2019) | (0.352 - 0.1)/(44 - 27) | 0.0148235 |
| 0.693 (1/10/2024) | ND<0.1 U (8/28/2019) | (0.693 - 0.1)/(45 - 27) | 0.0329444 |
| 0.213 (5/20/2024) | ND<0.1 U (8/28/2019) | (0.213 - 0.1)/(46 - 27) | 0.00594737 |
| 0.0955 (9/16/2024) | ND<0.1 U (8/28/2019) | (0.0955 - 0.1)/(47 - 27) | -0.000225 |
| 0.496 (12/11/2024) | ND<0.1 U (8/28/2019) | (0.496 - 0.1)/(48 - 27) | 0.0188571 |
| 0.892 (2/18/2025) | ND<0.1 U (8/28/2019) | (0.892 - 0.1)/(49 - 27) | 0.036 |
| | | | |
| 0.19 (3/31/2020) | 0.458 (10/28/2019) | (0.19 - 0.458)/(29 - 28) | -0.268 |
| 0.246 (6/10/2020) | 0.458 (10/28/2019) | (0.246 - 0.458)/(30 - 28) | -0.106 |
| 0.345 (9/21/2020) | 0.458 (10/28/2019) | (0.345 - 0.458)/(31 - 28) | -0.0376667 |
| 0.546 (12/17/2020) | 0.458 (10/28/2019) | (0.546 - 0.458)/(32 - 28) | 0.022 |
| 0.189 (3/18/2021) | 0.458 (10/28/2019) | (0.189 - 0.458)/(33 - 28) | -0.0538 |
| 7.85 (5/5/2021) | 0.458 (10/28/2019) | (7.85 - 0.458)/(34 - 28) | 1.232 |
| 0.552 (9/2/2021) | 0.458 (10/28/2019) | (0.552 - 0.458)/(35 - 28) | 0.0134286 |
| 0.315 (11/23/2021) | 0.458 (10/28/2019) | (0.315 - 0.458)/(36 - 28) | -0.017875 |
| 0.385 (1/10/2022) | 0.458 (10/28/2019) | (0.385 - 0.458)/(37 - 28) | -0.00811111 |
| 0.402 (4/7/2022) | 0.458 (10/28/2019) | (0.402 - 0.458)/(38 - 28) | -0.0056 |
| 0.176 (8/3/2022) | 0.458 (10/28/2019) | (0.176 - 0.458)/(39 - 28) | -0.0256364 |
| ND<0.1 U (11/16/2022) | 0.458 (10/28/2019) | (0.1 - 0.458)/(40 - 28) | -0.0298333 |
| 0.501 (2/13/2023) | 0.458 (10/28/2019) | (0.501 - 0.458)/(41 - 28) | 0.00330769 |
| 0.528 (5/24/2023) | 0.458 (10/28/2019) | (0.528 - 0.458)/(42 - 28) | 0.005 |
| ND<0.1 U (8/7/2023) | 0.458 (10/28/2019) | (0.1 - 0.458)/(43 - 28) | -0.0238667 |
| 0.352 (12/12/2023) | 0.458 (10/28/2019) | (0.352 - 0.458)/(44 - 28) | -0.006625 |
| 0.693 (1/10/2024) | 0.458 (10/28/2019) | (0.693 - 0.458)/(45 - 28) | 0.0138235 |
| 0.213 (5/20/2024) | 0.458 (10/28/2019) | (0.213 - 0.458)/(46 - 28) | -0.0136111 |
| 0.0955 (9/16/2024) | 0.458 (10/28/2019) | (0.0955 - 0.458)/(47 - 28) | -0.0190789 |
| 0.496 (12/11/2024) | 0.458 (10/28/2019) | (0.496 - 0.458)/(48 - 28) | 0.0019 |
| 0.892 (2/18/2025) | 0.458 (10/28/2019) | (0.892 - 0.458)/(49 - 28) | 0.0206667 |
| | | | |
| 0.246 (6/10/2020) | 0.19 (3/31/2020) | (0.246 - 0.19)/(30 - 29) | 0.056 |
| 0.345 (9/21/2020) | 0.19 (3/31/2020) | (0.345 - 0.19)/(31 - 29) | 0.0775 |
| 0.546 (12/17/2020) | 0.19 (3/31/2020) | (0.546 - 0.19)/(32 - 29) | 0.118667 |
| 0.189 (3/18/2021) | 0.19 (3/31/2020) | (0.189 - 0.19)/(33 - 29) | -0.00025 |
| 7.85 (5/5/2021) | 0.19 (3/31/2020) | (7.85 - 0.19)/(34 - 29) | 1.532 |
| 0.552 (9/2/2021) | 0.19 (3/31/2020) | (0.552 - 0.19)/(35 - 29) | 0.0603333 |
| 0.315 (11/23/2021) | 0.19 (3/31/2020) | (0.315 - 0.19)/(36 - 29) | 0.0178571 |
| 0.385 (1/10/2022) | 0.19 (3/31/2020) | (0.385 - 0.19)/(37 - 29) | 0.024375 |
| 0.402 (4/7/2022) | 0.19 (3/31/2020) | (0.402 - 0.19)/(38 - 29) | 0.0235556 |
| 0.176 (8/3/2022) | 0.19 (3/31/2020) | (0.176 - 0.19)/(39 - 29) | -0.0014 |
| ND<0.1 U (11/16/2022) | 0.19 (3/31/2020) | (0.1 - 0.19)/(40 - 29) | -0.00818182 |
| 0.501 (2/13/2023) | 0.19 (3/31/2020) | (0.501 - 0.19)/(41 - 29) | 0.0259167 |
| 0.528 (5/24/2023) | 0.19 (3/31/2020) | (0.528 - 0.19)/(42 - 29) | 0.026 |
| ND<0.1 U (8/7/2023) | 0.19 (3/31/2020) | (0.1 - 0.19)/(43 - 29) | -0.00642857 |
| 0.352 (12/12/2023) | 0.19 (3/31/2020) | (0.352 - 0.19)/(44 - 29) | 0.0108 |
| 0.693 (1/10/2024) | 0.19 (3/31/2020) | (0.693 - 0.19)/(45 - 29) | 0.0314375 |
| 0.213 (5/20/2024) | 0.19 (3/31/2020) | (0.213 - 0.19)/(46 - 29) | 0.00135294 |
| 0.0955 (9/16/2024) | 0.19 (3/31/2020) | (0.0955 - 0.19)/(47 - 29) | -0.00525 |
| 0.496 (12/11/2024) | 0.19 (3/31/2020) | (0.496 - 0.19)/(48 - 29) | 0.0161053 |
| 0.892 (2/18/2025) | 0.19 (3/31/2020) | (0.892 - 0.19)/(49 - 29) | 0.0351 |
| | | | |
| 0.345 (9/21/2020) | 0.246 (6/10/2020) | (0.345 - 0.246)/(31 - 30) | 0.099 |
| 0.546 (12/17/2020) | 0.246 (6/10/2020) | (0.546 - 0.246)/(32 - 30) | 0.15 |

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|---|---|---|---|
| 0.189 (3/18/2021) | 0.246 (6/10/2020) | (0.189 - 0.246)/(33 - 30) | -0.019 |
| 7.85 (5/5/2021) | 0.246 (6/10/2020) | (7.85 - 0.246)/(34 - 30) | 1.901 |
| 0.552 (9/2/2021) | 0.246 (6/10/2020) | (0.552 - 0.246)/(35 - 30) | 0.0612 |
| 0.315 (11/23/2021) | 0.246 (6/10/2020) | (0.315 - 0.246)/(36 - 30) | 0.0115 |
| 0.385 (1/10/2022) | 0.246 (6/10/2020) | (0.385 - 0.246)/(37 - 30) | 0.0198571 |
| 0.402 (4/7/2022) | 0.246 (6/10/2020) | (0.402 - 0.246)/(38 - 30) | 0.0195 |
| 0.176 (8/3/2022) | 0.246 (6/10/2020) | (0.176 - 0.246)/(39 - 30) | -0.00777778 |
| ND<0.1 U (11/16/2022) | 0.246 (6/10/2020) | (0.1 - 0.246)/(40 - 30) | -0.0146 |
| 0.501 (2/13/2023) | 0.246 (6/10/2020) | (0.501 - 0.246)/(41 - 30) | 0.0231818 |
| 0.528 (5/24/2023) | 0.246 (6/10/2020) | (0.528 - 0.246)/(42 - 30) | 0.0235 |
| ND<0.1 U (8/7/2023) | 0.246 (6/10/2020) | (0.1 - 0.246)/(43 - 30) | -0.0112308 |
| 0.352 (12/12/2023) | 0.246 (6/10/2020) | (0.352 - 0.246)/(44 - 30) | 0.00757143 |
| 0.693 (1/10/2024) | 0.246 (6/10/2020) | (0.693 - 0.246)/(45 - 30) | 0.0298 |
| 0.213 (5/20/2024) | 0.246 (6/10/2020) | (0.213 - 0.246)/(46 - 30) | -0.0020625 |
| 0.0955 (9/16/2024) | 0.246 (6/10/2020) | (0.0955 - 0.246)/(47 - 30) | -0.00885294 |
| 0.496 (12/11/2024) | 0.246 (6/10/2020) | (0.496 - 0.246)/(48 - 30) | 0.0138889 |
| 0.892 (2/18/2025) | 0.246 (6/10/2020) | (0.892 - 0.246)/(49 - 30) | 0.034 |
| | | | |
| 0.546 (12/17/2020) | 0.345 (9/21/2020) | (0.546 - 0.345)/(32 - 31) | 0.201 |
| 0.189 (3/18/2021) | 0.345 (9/21/2020) | (0.189 - 0.345)/(33 - 31) | -0.078 |
| 7.85 (5/5/2021) | 0.345 (9/21/2020) | (7.85 - 0.345)/(34 - 31) | 2.50167 |
| 0.552 (9/2/2021) | 0.345 (9/21/2020) | (0.552 - 0.345)/(35 - 31) | 0.05175 |
| 0.315 (11/23/2021) | 0.345 (9/21/2020) | (0.315 - 0.345)/(36 - 31) | -0.006 |
| 0.385 (1/10/2022) | 0.345 (9/21/2020) | (0.385 - 0.345)/(37 - 31) | 0.00666667 |
| 0.402 (4/7/2022) | 0.345 (9/21/2020) | (0.402 - 0.345)/(38 - 31) | 0.00814286 |
| 0.176 (8/3/2022) | 0.345 (9/21/2020) | (0.176 - 0.345)/(39 - 31) | -0.021125 |
| ND<0.1 U (11/16/2022) | 0.345 (9/21/2020) | (0.1 - 0.345)/(40 - 31) | -0.0272222 |
| 0.501 (2/13/2023) | 0.345 (9/21/2020) | (0.501 - 0.345)/(41 - 31) | 0.0156 |
| 0.528 (5/24/2023) | 0.345 (9/21/2020) | (0.528 - 0.345)/(42 - 31) | 0.0166364 |
| ND<0.1 U (8/7/2023) | 0.345 (9/21/2020) | (0.1 - 0.345)/(43 - 31) | -0.0204167 |
| 0.352 (12/12/2023) | 0.345 (9/21/2020) | (0.352 - 0.345)/(44 - 31) | 0.000538462 |
| 0.693 (1/10/2024) | 0.345 (9/21/2020) | (0.693 - 0.345)/(45 - 31) | 0.0248571 |
| 0.213 (5/20/2024) | 0.345 (9/21/2020) | (0.213 - 0.345)/(46 - 31) | -0.0088 |
| 0.0955 (9/16/2024) | 0.345 (9/21/2020) | (0.0955 - 0.345)/(47 - 31) | -0.0155937 |
| 0.496 (12/11/2024) | 0.345 (9/21/2020) | (0.496 - 0.345)/(48 - 31) | 0.00888235 |
| 0.892 (2/18/2025) | 0.345 (9/21/2020) | (0.892 - 0.345)/(49 - 31) | 0.0303889 |
| | | | |
| 0.189 (3/18/2021) | 0.546 (12/17/2020) | (0.189 - 0.546)/(33 - 32) | -0.357 |
| 7.85 (5/5/2021) | 0.546 (12/17/2020) | (7.85 - 0.546)/(34 - 32) | 3.652 |
| 0.552 (9/2/2021) | 0.546 (12/17/2020) | (0.552 - 0.546)/(35 - 32) | 0.002 |
| 0.315 (11/23/2021) | 0.546 (12/17/2020) | (0.315 - 0.546)/(36 - 32) | -0.05775 |
| 0.385 (1/10/2022) | 0.546 (12/17/2020) | (0.385 - 0.546)/(37 - 32) | -0.0322 |
| 0.402 (4/7/2022) | 0.546 (12/17/2020) | (0.402 - 0.546)/(38 - 32) | -0.024 |
| 0.176 (8/3/2022) | 0.546 (12/17/2020) | (0.176 - 0.546)/(39 - 32) | -0.0528571 |
| ND<0.1 U (11/16/2022) | 0.546 (12/17/2020) | (0.1 - 0.546)/(40 - 32) | -0.05575 |
| 0.501 (2/13/2023) | 0.546 (12/17/2020) | (0.501 - 0.546)/(41 - 32) | -0.005 |
| 0.528 (5/24/2023) | 0.546 (12/17/2020) | (0.528 - 0.546)/(42 - 32) | -0.0018 |
| ND<0.1 U (8/7/2023) | 0.546 (12/17/2020) | (0.1 - 0.546)/(43 - 32) | -0.0405455 |
| 0.352 (12/12/2023) | 0.546 (12/17/2020) | (0.352 - 0.546)/(44 - 32) | -0.0161667 |
| 0.693 (1/10/2024) | 0.546 (12/17/2020) | (0.693 - 0.546)/(45 - 32) | 0.0113077 |
| 0.213 (5/20/2024) | 0.546 (12/17/2020) | (0.213 - 0.546)/(46 - 32) | -0.0237857 |
| 0.0955 (9/16/2024) | 0.546 (12/17/2020) | (0.0955 - 0.546)/(47 - 32) | -0.0300333 |
| 0.496 (12/11/2024) | 0.546 (12/17/2020) | (0.496 - 0.546)/(48 - 32) | -0.003125 |
| 0.892 (2/18/2025) | 0.546 (12/17/2020) | (0.892 - 0.546)/(49 - 32) | 0.0203529 |
| | | | |
| 7.85 (5/5/2021) | 0.189 (3/18/2021) | (7.85 - 0.189)/(34 - 33) | 7.661 |
| 0.552 (9/2/2021) | 0.189 (3/18/2021) | (0.552 - 0.189)/(35 - 33) | 0.1815 |

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|---|---|---|---|
| 0.315 (11/23/2021) | 0.189 (3/18/2021) | (0.315 - 0.189)/(36 - 33) | 0.042 |
| 0.385 (1/10/2022) | 0.189 (3/18/2021) | (0.385 - 0.189)/(37 - 33) | 0.049 |
| 0.402 (4/7/2022) | 0.189 (3/18/2021) | (0.402 - 0.189)/(38 - 33) | 0.0426 |
| 0.176 (8/3/2022) | 0.189 (3/18/2021) | (0.176 - 0.189)/(39 - 33) | -0.00216667 |
| ND<0.1 U (11/16/2022) | 0.189 (3/18/2021) | (0.1 - 0.189)/(40 - 33) | -0.0127143 |
| 0.501 (2/13/2023) | 0.189 (3/18/2021) | (0.501 - 0.189)/(41 - 33) | 0.039 |
| 0.528 (5/24/2023) | 0.189 (3/18/2021) | (0.528 - 0.189)/(42 - 33) | 0.0376667 |
| ND<0.1 U (8/7/2023) | 0.189 (3/18/2021) | (0.1 - 0.189)/(43 - 33) | -0.0089 |
| 0.352 (12/12/2023) | 0.189 (3/18/2021) | (0.352 - 0.189)/(44 - 33) | 0.0148182 |
| 0.693 (1/10/2024) | 0.189 (3/18/2021) | (0.693 - 0.189)/(45 - 33) | 0.042 |
| 0.213 (5/20/2024) | 0.189 (3/18/2021) | (0.213 - 0.189)/(46 - 33) | 0.00184615 |
| 0.0955 (9/16/2024) | 0.189 (3/18/2021) | (0.0955 - 0.189)/(47 - 33) | -0.00667857 |
| 0.496 (12/11/2024) | 0.189 (3/18/2021) | (0.496 - 0.189)/(48 - 33) | 0.0204667 |
| 0.892 (2/18/2025) | 0.189 (3/18/2021) | (0.892 - 0.189)/(49 - 33) | 0.0439375 |
| | | | |
| 0.552 (9/2/2021) | 7.85 (5/5/2021) | (0.552 - 7.85)/(35 - 34) | -7.298 |
| 0.315 (11/23/2021) | 7.85 (5/5/2021) | (0.315 - 7.85)/(36 - 34) | -3.7675 |
| 0.385 (1/10/2022) | 7.85 (5/5/2021) | (0.385 - 7.85)/(37 - 34) | -2.48833 |
| 0.402 (4/7/2022) | 7.85 (5/5/2021) | (0.402 - 7.85)/(38 - 34) | -1.862 |
| 0.176 (8/3/2022) | 7.85 (5/5/2021) | (0.176 - 7.85)/(39 - 34) | -1.5348 |
| ND<0.1 U (11/16/2022) | 7.85 (5/5/2021) | (0.1 - 7.85)/(40 - 34) | -1.29167 |
| 0.501 (2/13/2023) | 7.85 (5/5/2021) | (0.501 - 7.85)/(41 - 34) | -1.04986 |
| 0.528 (5/24/2023) | 7.85 (5/5/2021) | (0.528 - 7.85)/(42 - 34) | -0.91525 |
| ND<0.1 U (8/7/2023) | 7.85 (5/5/2021) | (0.1 - 7.85)/(43 - 34) | -0.861111 |
| 0.352 (12/12/2023) | 7.85 (5/5/2021) | (0.352 - 7.85)/(44 - 34) | -0.7498 |
| 0.693 (1/10/2024) | 7.85 (5/5/2021) | (0.693 - 7.85)/(45 - 34) | -0.650636 |
| 0.213 (5/20/2024) | 7.85 (5/5/2021) | (0.213 - 7.85)/(46 - 34) | -0.636417 |
| 0.0955 (9/16/2024) | 7.85 (5/5/2021) | (0.0955 - 7.85)/(47 - 34) | -0.5965 |
| 0.496 (12/11/2024) | 7.85 (5/5/2021) | (0.496 - 7.85)/(48 - 34) | -0.525286 |
| 0.892 (2/18/2025) | 7.85 (5/5/2021) | (0.892 - 7.85)/(49 - 34) | -0.463867 |
| | | | |
| 0.315 (11/23/2021) | 0.552 (9/2/2021) | (0.315 - 0.552)/(36 - 35) | -0.237 |
| 0.385 (1/10/2022) | 0.552 (9/2/2021) | (0.385 - 0.552)/(37 - 35) | -0.0835 |
| 0.402 (4/7/2022) | 0.552 (9/2/2021) | (0.402 - 0.552)/(38 - 35) | -0.05 |
| 0.176 (8/3/2022) | 0.552 (9/2/2021) | (0.176 - 0.552)/(39 - 35) | -0.094 |
| ND<0.1 U (11/16/2022) | 0.552 (9/2/2021) | (0.1 - 0.552)/(40 - 35) | -0.0904 |
| 0.501 (2/13/2023) | 0.552 (9/2/2021) | (0.501 - 0.552)/(41 - 35) | -0.0085 |
| 0.528 (5/24/2023) | 0.552 (9/2/2021) | (0.528 - 0.552)/(42 - 35) | -0.00342857 |
| ND<0.1 U (8/7/2023) | 0.552 (9/2/2021) | (0.1 - 0.552)/(43 - 35) | -0.0565 |
| 0.352 (12/12/2023) | 0.552 (9/2/2021) | (0.352 - 0.552)/(44 - 35) | -0.0222222 |
| 0.693 (1/10/2024) | 0.552 (9/2/2021) | (0.693 - 0.552)/(45 - 35) | 0.0141 |
| 0.213 (5/20/2024) | 0.552 (9/2/2021) | (0.213 - 0.552)/(46 - 35) | -0.0308182 |
| 0.0955 (9/16/2024) | 0.552 (9/2/2021) | (0.0955 - 0.552)/(47 - 35) | -0.0380417 |
| 0.496 (12/11/2024) | 0.552 (9/2/2021) | (0.496 - 0.552)/(48 - 35) | -0.00430769 |
| 0.892 (2/18/2025) | 0.552 (9/2/2021) | (0.892 - 0.552)/(49 - 35) | 0.0242857 |
| | | | |
| 0.385 (1/10/2022) | 0.315 (11/23/2021) | (0.385 - 0.315)/(37 - 36) | 0.07 |
| 0.402 (4/7/2022) | 0.315 (11/23/2021) | (0.402 - 0.315)/(38 - 36) | 0.0435 |
| 0.176 (8/3/2022) | 0.315 (11/23/2021) | (0.176 - 0.315)/(39 - 36) | -0.0463333 |
| ND<0.1 U (11/16/2022) | 0.315 (11/23/2021) | (0.1 - 0.315)/(40 - 36) | -0.05375 |
| 0.501 (2/13/2023) | 0.315 (11/23/2021) | (0.501 - 0.315)/(41 - 36) | 0.0372 |
| 0.528 (5/24/2023) | 0.315 (11/23/2021) | (0.528 - 0.315)/(42 - 36) | 0.0355 |
| ND<0.1 U (8/7/2023) | 0.315 (11/23/2021) | (0.1 - 0.315)/(43 - 36) | -0.0307143 |
| 0.352 (12/12/2023) | 0.315 (11/23/2021) | (0.352 - 0.315)/(44 - 36) | 0.004625 |
| 0.693 (1/10/2024) | 0.315 (11/23/2021) | (0.693 - 0.315)/(45 - 36) | 0.042 |
| 0.213 (5/20/2024) | 0.315 (11/23/2021) | (0.213 - 0.315)/(46 - 36) | -0.0102 |
| 0.0955 (9/16/2024) | 0.315 (11/23/2021) | (0.0955 - 0.315)/(47 - 36) | -0.0199545 |

| | | | |
|---|---|---|---|
| 0.496 (12/11/2024) | 0.315 (11/23/2021) | (0.496 - 0.315)/(48 - 36) | 0.0150833 |
| 0.892 (2/18/2025) | 0.315 (11/23/2021) | (0.892 - 0.315)/(49 - 36) | 0.0443846 |
| | | | |
| 0.402 (4/7/2022) | 0.385 (1/10/2022) | (0.402 - 0.385)/(38 - 37) | 0.017 |
| 0.176 (8/3/2022) | 0.385 (1/10/2022) | (0.176 - 0.385)/(39 - 37) | -0.1045 |
| ND<0.1 U (11/16/2022) | 0.385 (1/10/2022) | (0.1 - 0.385)/(40 - 37) | -0.095 |
| 0.501 (2/13/2023) | 0.385 (1/10/2022) | (0.501 - 0.385)/(41 - 37) | 0.029 |
| 0.528 (5/24/2023) | 0.385 (1/10/2022) | (0.528 - 0.385)/(42 - 37) | 0.0286 |
| ND<0.1 U (8/7/2023) | 0.385 (1/10/2022) | (0.1 - 0.385)/(43 - 37) | -0.0475 |
| 0.352 (12/12/2023) | 0.385 (1/10/2022) | (0.352 - 0.385)/(44 - 37) | -0.00471429 |
| 0.693 (1/10/2024) | 0.385 (1/10/2022) | (0.693 - 0.385)/(45 - 37) | 0.0385 |
| 0.213 (5/20/2024) | 0.385 (1/10/2022) | (0.213 - 0.385)/(46 - 37) | -0.0191111 |
| 0.0955 (9/16/2024) | 0.385 (1/10/2022) | (0.0955 - 0.385)/(47 - 37) | -0.02895 |
| 0.496 (12/11/2024) | 0.385 (1/10/2022) | (0.496 - 0.385)/(48 - 37) | 0.0100909 |
| 0.892 (2/18/2025) | 0.385 (1/10/2022) | (0.892 - 0.385)/(49 - 37) | 0.04225 |
| | | | |
| 0.176 (8/3/2022) | 0.402 (4/7/2022) | (0.176 - 0.402)/(39 - 38) | -0.226 |
| ND<0.1 U (11/16/2022) | 0.402 (4/7/2022) | (0.1 - 0.402)/(40 - 38) | -0.151 |
| 0.501 (2/13/2023) | 0.402 (4/7/2022) | (0.501 - 0.402)/(41 - 38) | 0.033 |
| 0.528 (5/24/2023) | 0.402 (4/7/2022) | (0.528 - 0.402)/(42 - 38) | 0.0315 |
| ND<0.1 U (8/7/2023) | 0.402 (4/7/2022) | (0.1 - 0.402)/(43 - 38) | -0.0604 |
| 0.352 (12/12/2023) | 0.402 (4/7/2022) | (0.352 - 0.402)/(44 - 38) | -0.00833333 |
| 0.693 (1/10/2024) | 0.402 (4/7/2022) | (0.693 - 0.402)/(45 - 38) | 0.0415714 |
| 0.213 (5/20/2024) | 0.402 (4/7/2022) | (0.213 - 0.402)/(46 - 38) | -0.023625 |
| 0.0955 (9/16/2024) | 0.402 (4/7/2022) | (0.0955 - 0.402)/(47 - 38) | -0.0340556 |
| 0.496 (12/11/2024) | 0.402 (4/7/2022) | (0.496 - 0.402)/(48 - 38) | 0.0094 |
| 0.892 (2/18/2025) | 0.402 (4/7/2022) | (0.892 - 0.402)/(49 - 38) | 0.0445455 |
| | | | |
| ND<0.1 U (11/16/2022) | 0.176 (8/3/2022) | (0.1 - 0.176)/(40 - 39) | -0.076 |
| 0.501 (2/13/2023) | 0.176 (8/3/2022) | (0.501 - 0.176)/(41 - 39) | 0.1625 |
| 0.528 (5/24/2023) | 0.176 (8/3/2022) | (0.528 - 0.176)/(42 - 39) | 0.117333 |
| ND<0.1 U (8/7/2023) | 0.176 (8/3/2022) | (0.1 - 0.176)/(43 - 39) | -0.019 |
| 0.352 (12/12/2023) | 0.176 (8/3/2022) | (0.352 - 0.176)/(44 - 39) | 0.0352 |
| 0.693 (1/10/2024) | 0.176 (8/3/2022) | (0.693 - 0.176)/(45 - 39) | 0.0861667 |
| 0.213 (5/20/2024) | 0.176 (8/3/2022) | (0.213 - 0.176)/(46 - 39) | 0.00528571 |
| 0.0955 (9/16/2024) | 0.176 (8/3/2022) | (0.0955 - 0.176)/(47 - 39) | -0.0100625 |
| 0.496 (12/11/2024) | 0.176 (8/3/2022) | (0.496 - 0.176)/(48 - 39) | 0.0355556 |
| 0.892 (2/18/2025) | 0.176 (8/3/2022) | (0.892 - 0.176)/(49 - 39) | 0.0716 |
| | | | |
| 0.501 (2/13/2023) | ND<0.1 U (11/16/2022) | (0.501 - 0.1)/(41 - 40) | 0.401 |
| 0.528 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.528 - 0.1)/(42 - 40) | 0.214 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| 0.352 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.352 - 0.1)/(44 - 40) | 0.063 |
| 0.693 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.693 - 0.1)/(45 - 40) | 0.1186 |
| 0.213 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.213 - 0.1)/(46 - 40) | 0.0188333 |
| 0.0955 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0955 - 0.1)/(47 - 40) | -0.000642857 |
| 0.496 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.496 - 0.1)/(48 - 40) | 0.0495 |
| 0.892 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.892 - 0.1)/(49 - 40) | 0.088 |
| | | | |
| 0.528 (5/24/2023) | 0.501 (2/13/2023) | (0.528 - 0.501)/(42 - 41) | 0.027 |
| ND<0.1 U (8/7/2023) | 0.501 (2/13/2023) | (0.1 - 0.501)/(43 - 41) | -0.2005 |
| 0.352 (12/12/2023) | 0.501 (2/13/2023) | (0.352 - 0.501)/(44 - 41) | -0.0496667 |
| 0.693 (1/10/2024) | 0.501 (2/13/2023) | (0.693 - 0.501)/(45 - 41) | 0.048 |
| 0.213 (5/20/2024) | 0.501 (2/13/2023) | (0.213 - 0.501)/(46 - 41) | -0.0576 |
| 0.0955 (9/16/2024) | 0.501 (2/13/2023) | (0.0955 - 0.501)/(47 - 41) | -0.0675833 |
| 0.496 (12/11/2024) | 0.501 (2/13/2023) | (0.496 - 0.501)/(48 - 41) | -0.000714286 |
| 0.892 (2/18/2025) | 0.501 (2/13/2023) | (0.892 - 0.501)/(49 - 41) | 0.048875 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/7/2023) | 0.528 (5/24/2023) | (0.1 - 0.528)/(43 - 42) | -0.428 |
| 0.352 (12/12/2023) | 0.528 (5/24/2023) | (0.352 - 0.528)/(44 - 42) | -0.088 |
| 0.693 (1/10/2024) | 0.528 (5/24/2023) | (0.693 - 0.528)/(45 - 42) | 0.055 |
| 0.213 (5/20/2024) | 0.528 (5/24/2023) | (0.213 - 0.528)/(46 - 42) | -0.07875 |
| 0.0955 (9/16/2024) | 0.528 (5/24/2023) | (0.0955 - 0.528)/(47 - 42) | -0.0865 |
| 0.496 (12/11/2024) | 0.528 (5/24/2023) | (0.496 - 0.528)/(48 - 42) | -0.00533333 |
| 0.892 (2/18/2025) | 0.528 (5/24/2023) | (0.892 - 0.528)/(49 - 42) | 0.052 |
| | | | |
| 0.352 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.352 - 0.1)/(44 - 43) | 0.252 |
| 0.693 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.693 - 0.1)/(45 - 43) | 0.2965 |
| 0.213 (5/20/2024) | ND<0.1 U (8/7/2023) | (0.213 - 0.1)/(46 - 43) | 0.0376667 |
| 0.0955 (9/16/2024) | ND<0.1 U (8/7/2023) | (0.0955 - 0.1)/(47 - 43) | -0.001125 |
| 0.496 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.496 - 0.1)/(48 - 43) | 0.0792 |
| 0.892 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.892 - 0.1)/(49 - 43) | 0.132 |
| | | | |
| 0.693 (1/10/2024) | 0.352 (12/12/2023) | (0.693 - 0.352)/(45 - 44) | 0.341 |
| 0.213 (5/20/2024) | 0.352 (12/12/2023) | (0.213 - 0.352)/(46 - 44) | -0.0695 |
| 0.0955 (9/16/2024) | 0.352 (12/12/2023) | (0.0955 - 0.352)/(47 - 44) | -0.0855 |
| 0.496 (12/11/2024) | 0.352 (12/12/2023) | (0.496 - 0.352)/(48 - 44) | 0.036 |
| 0.892 (2/18/2025) | 0.352 (12/12/2023) | (0.892 - 0.352)/(49 - 44) | 0.108 |
| | | | |
| 0.213 (5/20/2024) | 0.693 (1/10/2024) | (0.213 - 0.693)/(46 - 45) | -0.48 |
| 0.0955 (9/16/2024) | 0.693 (1/10/2024) | (0.0955 - 0.693)/(47 - 45) | -0.29875 |
| 0.496 (12/11/2024) | 0.693 (1/10/2024) | (0.496 - 0.693)/(48 - 45) | -0.0656667 |
| 0.892 (2/18/2025) | 0.693 (1/10/2024) | (0.892 - 0.693)/(49 - 45) | 0.04975 |
| | | | |
| 0.0955 (9/16/2024) | 0.213 (5/20/2024) | (0.0955 - 0.213)/(47 - 46) | -0.1175 |
| 0.496 (12/11/2024) | 0.213 (5/20/2024) | (0.496 - 0.213)/(48 - 46) | 0.1415 |
| 0.892 (2/18/2025) | 0.213 (5/20/2024) | (0.892 - 0.213)/(49 - 46) | 0.226333 |
| | | | |
| 0.496 (12/11/2024) | 0.0955 (9/16/2024) | (0.496 - 0.0955)/(48 - 47) | 0.4005 |
| 0.892 (2/18/2025) | 0.0955 (9/16/2024) | (0.892 - 0.0955)/(49 - 47) | 0.39825 |
| | | | |
| 0.892 (2/18/2025) | 0.496 (12/11/2024) | (0.892 - 0.496)/(49 - 48) | 0.396 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -7.298 |
| 2 | -3.7675 |
| 3 | -2.48833 |
| 4 | -1.862 |
| 5 | -1.5348 |
| 6 | -1.29167 |
| 7 | -1.04986 |
| 8 | -0.91525 |
| 9 | -0.861111 |
| 10 | -0.7498 |
| 11 | -0.650636 |
| 12 | -0.636417 |
| 13 | -0.5965 |
| 14 | -0.57 |
| 15 | -0.525286 |
| 16 | -0.52 |

| | |
|---|---|
| 17 | -0.48 |
| 18 | -0.48 |
| 19 | -0.467 |
| 20 | -0.463867 |
| 21 | -0.428 |
| 22 | -0.41 |
| 23 | -0.4 |
| 24 | -0.357 |
| 25 | -0.344 |
| 26 | -0.32 |
| 27 | -0.29875 |
| 28 | -0.282 |
| 29 | -0.268 |
| 30 | -0.26 |
| 31 | -0.256667 |
| 32 | -0.249 |
| 33 | -0.247 |
| 34 | -0.237333 |
| 35 | -0.237 |
| 36 | -0.23 |
| 37 | -0.226 |
| 38 | -0.216667 |
| 39 | -0.214 |
| 40 | -0.2005 |
| 41 | -0.197 |
| 42 | -0.184 |
| 43 | -0.18 |
| 44 | -0.17 |
| 45 | -0.17 |
| 46 | -0.154 |
| 47 | -0.151 |
| 48 | -0.133333 |
| 49 | -0.13 |
| 50 | -0.13 |
| 51 | -0.1244 |
| 52 | -0.1175 |
| 53 | -0.114 |
| 54 | -0.114 |
| 55 | -0.111571 |
| 56 | -0.108333 |
| 57 | -0.106 |
| 58 | -0.1045 |
| 59 | -0.102 |
| 60 | -0.1 |
| 61 | -0.097 |
| 62 | -0.0955 |
| 63 | -0.095 |
| 64 | -0.0943333 |
| 65 | -0.094 |
| 66 | -0.0933333 |
| 67 | -0.092 |
| 68 | -0.0904 |
| 69 | -0.09 |
| 70 | -0.0885 |
| 71 | -0.088 |
| 72 | -0.0875 |
| 73 | -0.0866667 |

| | |
|---|---|
| 74 | -0.0865 |
| 75 | -0.0857143 |
| 76 | -0.0855 |
| 77 | -0.085 |
| 78 | -0.085 |
| 79 | -0.0846667 |
| 80 | -0.0842857 |
| 81 | -0.0835 |
| 82 | -0.07875 |
| 83 | -0.078 |
| 84 | -0.0775 |
| 85 | -0.076 |
| 86 | -0.0718182 |
| 87 | -0.07125 |
| 88 | -0.0704 |
| 89 | -0.07 |
| 90 | -0.07 |
| 91 | -0.07 |
| 92 | -0.0695 |
| 93 | -0.0692222 |
| 94 | -0.0675833 |
| 95 | -0.0667143 |
| 96 | -0.0656667 |
| 97 | -0.065 |
| 98 | -0.0633333 |
| 99 | -0.0618333 |
| 100 | -0.0604 |
| 101 | -0.060375 |
| 102 | -0.06 |
| 103 | -0.0577778 |
| 104 | -0.05775 |
| 105 | -0.0576 |
| 106 | -0.0572727 |
| 107 | -0.0566667 |
| 108 | -0.0566667 |
| 109 | -0.0565 |
| 110 | -0.05575 |
| 111 | -0.0555556 |
| 112 | -0.0548 |
| 113 | -0.0538462 |
| 114 | -0.0538 |
| 115 | -0.05375 |
| 116 | -0.0528571 |
| 117 | -0.051125 |
| 118 | -0.05 |
| 119 | -0.05 |
| 120 | -0.05 |
| 121 | -0.05 |
| 122 | -0.05 |
| 123 | -0.0496667 |
| 124 | -0.0495 |
| 125 | -0.0475 |
| 126 | -0.0475 |
| 127 | -0.0474444 |
| 128 | -0.0466667 |
| 129 | -0.0463333 |
| 130 | -0.04625 |

| | |
|---|---|
| 131 | -0.046 |
| 132 | -0.046 |
| 133 | -0.0458 |
| 134 | -0.0457143 |
| 135 | -0.0454 |
| 136 | -0.0446 |
| 137 | -0.0445 |
| 138 | -0.0434 |
| 139 | -0.0427333 |
| 140 | -0.0426667 |
| 141 | -0.0424 |
| 142 | -0.0423077 |
| 143 | -0.0421667 |
| 144 | -0.0414167 |
| 145 | -0.0412353 |
| 146 | -0.0405455 |
| 147 | -0.0403333 |
| 148 | -0.04 |
| 149 | -0.04 |
| 150 | -0.0393077 |
| 151 | -0.0393077 |
| 152 | -0.0391 |
| 153 | -0.0388889 |
| 154 | -0.0388571 |
| 155 | -0.0383333 |
| 156 | -0.0380417 |
| 157 | -0.038 |
| 158 | -0.0376667 |
| 159 | -0.0374737 |
| 160 | -0.0364286 |
| 161 | -0.0363333 |
| 162 | -0.036 |
| 163 | -0.0357143 |
| 164 | -0.035 |
| 165 | -0.035 |
| 166 | -0.0345 |
| 167 | -0.0342105 |
| 168 | -0.0340556 |
| 169 | -0.034 |
| 170 | -0.03325 |
| 171 | -0.0332 |
| 172 | -0.033 |
| 173 | -0.0329167 |
| 174 | -0.0328462 |
| 175 | -0.0328 |
| 176 | -0.0326667 |
| 177 | -0.0324444 |
| 178 | -0.0322727 |
| 179 | -0.0322 |
| 180 | -0.0316667 |
| 181 | -0.0311522 |
| 182 | -0.0310435 |
| 183 | -0.0308182 |
| 184 | -0.0307143 |
| 185 | -0.0307143 |
| 186 | -0.0305882 |
| 187 | -0.03025 |

| | |
|---|---|
| 188 | -0.0301579 |
| 189 | -0.0301429 |
| 190 | -0.0300909 |
| 191 | -0.0300333 |
| 192 | -0.03 |
| 193 | -0.03 |
| 194 | -0.03 |
| 195 | -0.0298333 |
| 196 | -0.0292857 |
| 197 | -0.0292593 |
| 198 | -0.0291667 |
| 199 | -0.029 |
| 200 | -0.02895 |
| 201 | -0.02875 |
| 202 | -0.0285714 |
| 203 | -0.0284615 |
| 204 | -0.0283889 |
| 205 | -0.0282 |
| 206 | -0.0276667 |
| 207 | -0.0276111 |
| 208 | -0.0275789 |
| 209 | -0.0272273 |
| 210 | -0.0272222 |
| 211 | -0.0271429 |
| 212 | -0.027 |
| 213 | -0.0266667 |
| 214 | -0.026087 |
| 215 | -0.0260455 |
| 216 | -0.0257273 |
| 217 | -0.0257143 |
| 218 | -0.0257143 |
| 219 | -0.0257143 |
| 220 | -0.0256364 |
| 221 | -0.025629 |
| 222 | -0.0254545 |
| 223 | -0.0245714 |
| 224 | -0.0243529 |
| 225 | -0.0242857 |
| 226 | -0.0241667 |
| 227 | -0.0240625 |
| 228 | -0.0240476 |
| 229 | -0.024 |
| 230 | -0.0238667 |
| 231 | -0.0238667 |
| 232 | -0.0237857 |
| 233 | -0.0236364 |
| 234 | -0.0236364 |
| 235 | -0.023625 |
| 236 | -0.0234 |
| 237 | -0.0230769 |
| 238 | -0.023 |
| 239 | -0.0229091 |
| 240 | -0.0228409 |
| 241 | -0.0226667 |
| 242 | -0.0226316 |
| 243 | -0.0225667 |
| 244 | -0.02244 |

| | |
|---|---|
| 245 | -0.0223889 |
| 246 | -0.0223077 |
| 247 | -0.0222222 |
| 248 | -0.0222115 |
| 249 | -0.0221818 |
| 250 | -0.0215 |
| 251 | -0.0212 |
| 252 | -0.021125 |
| 253 | -0.0208696 |
| 254 | -0.0206154 |
| 255 | -0.0204167 |
| 256 | -0.0204 |
| 257 | -0.0203125 |
| 258 | -0.0202353 |
| 259 | -0.02 |
| 260 | -0.0199545 |
| 261 | -0.0198 |
| 262 | -0.0194118 |
| 263 | -0.019375 |
| 264 | -0.0192143 |
| 265 | -0.0191111 |
| 266 | -0.0190789 |
| 267 | -0.019 |
| 268 | -0.019 |
| 269 | -0.01875 |
| 270 | -0.0187391 |
| 271 | -0.0187308 |
| 272 | -0.0187 |
| 273 | -0.0185714 |
| 274 | -0.0185294 |
| 275 | -0.0185161 |
| 276 | -0.0184 |
| 277 | -0.0183333 |
| 278 | -0.0183333 |
| 279 | -0.0183333 |
| 280 | -0.0183333 |
| 281 | -0.0182941 |
| 282 | -0.0181875 |
| 283 | -0.018 |
| 284 | -0.018 |
| 285 | -0.018 |
| 286 | -0.0179167 |
| 287 | -0.017875 |
| 288 | -0.0178148 |
| 289 | -0.0177895 |
| 290 | -0.01775 |
| 291 | -0.0176667 |
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| 988 | 0.0329444 |
| 989 | 0.033 |
| 990 | 0.0335833 |
| 991 | 0.034 |
| 992 | 0.034 |
| 993 | 0.0342857 |
| 994 | 0.0351 |
| 995 | 0.0352 |
| 996 | 0.0355 |
| 997 | 0.0355556 |
| 998 | 0.0355714 |
| 999 | 0.036 |
| 1000 | 0.036 |
| 1001 | 0.0361333 |
| 1002 | 0.0369167 |
| 1003 | 0.0372 |
| 1004 | 0.0375 |
| 1005 | 0.0375556 |
| 1006 | 0.0376667 |
| 1007 | 0.0376667 |
| 1008 | 0.038 |
| 1009 | 0.0385 |
| 1010 | 0.039 |
| 1011 | 0.0390909 |
| 1012 | 0.0392308 |
| 1013 | 0.04 |
| 1014 | 0.0409286 |
| 1015 | 0.0415714 |
| 1016 | 0.0418824 |
| 1017 | 0.042 |
| 1018 | 0.042 |
| 1019 | 0.042 |
| 1020 | 0.042 |
| 1021 | 0.04225 |
| 1022 | 0.0426 |
| 1023 | 0.0433333 |
| 1024 | 0.0435 |
| 1025 | 0.0438 |
| 1026 | 0.0439375 |
| 1027 | 0.0443846 |
| 1028 | 0.0445455 |
| 1029 | 0.045 |
| 1030 | 0.045 |
| 1031 | 0.0452727 |
| 1032 | 0.0461538 |
| 1033 | 0.0462857 |
| 1034 | 0.0463333 |
| 1035 | 0.0474286 |
| 1036 | 0.048 |
| 1037 | 0.04825 |
| 1038 | 0.0485556 |
| 1039 | 0.0486667 |
| 1040 | 0.048875 |
| 1041 | 0.049 |
| 1042 | 0.0495 |

| | |
|---|---|
| 1043 | 0.0497143 |
| 1044 | 0.04975 |
| 1045 | 0.05 |
| 1046 | 0.05 |
| 1047 | 0.05 |
| 1048 | 0.05 |
| 1049 | 0.0508333 |
| 1050 | 0.05175 |
| 1051 | 0.052 |
| 1052 | 0.054 |
| 1053 | 0.0547692 |
| 1054 | 0.055 |
| 1055 | 0.055 |
| 1056 | 0.055 |
| 1057 | 0.056 |
| 1058 | 0.0565 |
| 1059 | 0.0566667 |
| 1060 | 0.0566667 |
| 1061 | 0.0566667 |
| 1062 | 0.0573 |
| 1063 | 0.0575 |
| 1064 | 0.0595 |
| 1065 | 0.06 |
| 1066 | 0.06 |
| 1067 | 0.0603333 |
| 1068 | 0.0612 |
| 1069 | 0.06125 |
| 1070 | 0.063 |
| 1071 | 0.0633333 |
| 1072 | 0.0666667 |
| 1073 | 0.0666667 |
| 1074 | 0.068 |
| 1075 | 0.0698 |
| 1076 | 0.07 |
| 1077 | 0.0712 |
| 1078 | 0.0716 |
| 1079 | 0.0724444 |
| 1080 | 0.0733333 |
| 1081 | 0.074 |
| 1082 | 0.0775 |
| 1083 | 0.0792 |
| 1084 | 0.0796667 |
| 1085 | 0.0818571 |
| 1086 | 0.085 |
| 1087 | 0.0855 |
| 1088 | 0.0861667 |
| 1089 | 0.0877778 |
| 1090 | 0.088 |
| 1091 | 0.0885714 |
| 1092 | 0.0892 |
| 1093 | 0.0936667 |
| 1094 | 0.0966667 |
| 1095 | 0.099 |
| 1096 | 0.1 |
| 1097 | 0.108 |
| 1098 | 0.108 |
| 1099 | 0.111667 |

| | |
|---|---|
| 1100 | 0.1125 |
| 1101 | 0.117333 |
| 1102 | 0.1175 |
| 1103 | 0.1186 |
| 1104 | 0.118667 |
| 1105 | 0.12 |
| 1106 | 0.126667 |
| 1107 | 0.13 |
| 1108 | 0.130667 |
| 1109 | 0.132 |
| 1110 | 0.1384 |
| 1111 | 0.141 |
| 1112 | 0.1415 |
| 1113 | 0.15 |
| 1114 | 0.158 |
| 1115 | 0.16 |
| 1116 | 0.1625 |
| 1117 | 0.173333 |
| 1118 | 0.1815 |
| 1119 | 0.195 |
| 1120 | 0.2 |
| 1121 | 0.201 |
| 1122 | 0.214 |
| 1123 | 0.225 |
| 1124 | 0.225758 |
| 1125 | 0.226333 |
| 1126 | 0.23125 |
| 1127 | 0.240968 |
| 1128 | 0.2445 |
| 1129 | 0.24931 |
| 1130 | 0.252 |
| 1131 | 0.252333 |
| 1132 | 0.256429 |
| 1133 | 0.273077 |
| 1134 | 0.2765 |
| 1135 | 0.287037 |
| 1136 | 0.2965 |
| 1137 | 0.30125 |
| 1138 | 0.303 |
| 1139 | 0.3032 |
| 1140 | 0.336818 |
| 1141 | 0.336957 |
| 1142 | 0.34 |
| 1143 | 0.34 |
| 1144 | 0.341 |
| 1145 | 0.35 |
| 1146 | 0.35 |
| 1147 | 0.358 |
| 1148 | 0.386667 |
| 1149 | 0.3875 |
| 1150 | 0.395 |
| 1151 | 0.396 |
| 1152 | 0.39825 |
| 1153 | 0.4005 |
| 1154 | 0.401 |
| 1155 | 0.404737 |
| 1156 | 0.433529 |

| | |
|---|---|
| 1157 | 0.475 |
| 1158 | 0.510714 |
| 1159 | 0.515333 |
| 1160 | 0.552077 |
| 1161 | 0.58 |
| 1162 | 0.637 |
| 1163 | 0.65 |
| 1164 | 0.703 |
| 1165 | 0.703727 |
| 1166 | 0.7038 |
| 1167 | 0.73 |
| 1168 | 0.805778 |
| 1169 | 0.92575 |
| 1170 | 1.10714 |
| 1171 | 1.232 |
| 1172 | 1.532 |
| 1173 | 1.901 |
| 1174 | 2.50167 |
| 1175 | 3.652 |
| 1176 | 7.661 |

Sen's Estimator (Median Q) is -0.000545956

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.62 | 2 |
| 2 | 0.1 | 6 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |

| | |
|---|---|
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 528
B = 0
C = 120
D = 0
E = 32
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13429.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.614
M1 = (1176 - 190.614)/2.0 = 492.693
M2 = (1176 + 190.614)/2.0 + 1 = 684.307
Lower limit is -0.00482857 = Q(493)
Upper limit is 0.00330769 = Q(684)
-0.00482857 < 0 < 0.00330769 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SS 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.16 (5/8/2013) | 0.3 (3/12/2013) | (0.16 - 0.3)/(2 - 1) | -0.14 |
| ND<0.1 U (9/23/2013) | 0.3 (3/12/2013) | (0.1 - 0.3)/(3 - 1) | -0.1 |
| 0.24 (12/10/2013) | 0.3 (3/12/2013) | (0.24 - 0.3)/(4 - 1) | -0.02 |
| 0.39 (2/6/2014) | 0.3 (3/12/2013) | (0.39 - 0.3)/(5 - 1) | 0.0225 |
| ND<0.1 U (6/26/2014) | 0.3 (3/12/2013) | (0.1 - 0.3)/(6 - 1) | -0.04 |
| ND<0.1 U (9/30/2014) | 0.3 (3/12/2013) | (0.1 - 0.3)/(7 - 1) | -0.0333333 |
| ND<0.1 U (11/19/2014) | 0.3 (3/12/2013) | (0.1 - 0.3)/(8 - 1) | -0.0285714 |
| 0.26 (3/23/2015) | 0.3 (3/12/2013) | (0.26 - 0.3)/(9 - 1) | -0.005 |
| 0.15 (4/22/2015) | 0.3 (3/12/2013) | (0.15 - 0.3)/(10 - 1) | -0.0166667 |
| ND<0.1 U (9/30/2015) | 0.3 (3/12/2013) | (0.1 - 0.3)/(11 - 1) | -0.02 |
| 0.24 (11/19/2015) | 0.3 (3/12/2013) | (0.24 - 0.3)/(12 - 1) | -0.00545455 |
| 0.26 (3/15/2016) | 0.3 (3/12/2013) | (0.26 - 0.3)/(13 - 1) | -0.00333333 |
| ND<0.1 U (6/29/2016) | 0.3 (3/12/2013) | (0.1 - 0.3)/(14 - 1) | -0.0153846 |
| ND<0.1 U (8/9/2016) | 0.3 (3/12/2013) | (0.1 - 0.3)/(15 - 1) | -0.0142857 |
| ND<0.1 U (12/7/2016) | 0.3 (3/12/2013) | (0.1 - 0.3)/(16 - 1) | -0.0133333 |
| 0.33 (3/2/2017) | 0.3 (3/12/2013) | (0.33 - 0.3)/(17 - 1) | 0.001875 |
| ND<0.1 U (7/5/2017) | 0.3 (3/12/2013) | (0.1 - 0.3)/(18 - 1) | -0.0117647 |
| ND<0.1 U (8/16/2017) | 0.3 (3/12/2013) | (0.1 - 0.3)/(19 - 1) | -0.0111111 |
| ND<0.1 U (10/25/2017) | 0.3 (3/12/2013) | (0.1 - 0.3)/(20 - 1) | -0.0105263 |
| 0.248 (3/28/2018) | 0.3 (3/12/2013) | (0.248 - 0.3)/(21 - 1) | -0.0026 |
| ND<0.1 U (6/29/2018) | 0.3 (3/12/2013) | (0.1 - 0.3)/(22 - 1) | -0.00952381 |
| ND<0.1 U (8/2/2018) | 0.3 (3/12/2013) | (0.1 - 0.3)/(23 - 1) | -0.00909091 |
| 0.146 (12/10/2018) | 0.3 (3/12/2013) | (0.146 - 0.3)/(24 - 1) | -0.00669565 |
| 0.168 (4/15/2019) | 0.3 (3/12/2013) | (0.168 - 0.3)/(25 - 1) | -0.0055 |
| ND<0.1 U (6/12/2019) | 0.3 (3/12/2013) | (0.1 - 0.3)/(26 - 1) | -0.008 |
| ND<0.1 U (8/27/2019) | 0.3 (3/12/2013) | (0.1 - 0.3)/(27 - 1) | -0.00769231 |
| 0.105 (10/29/2019) | 0.3 (3/12/2013) | (0.105 - 0.3)/(28 - 1) | -0.00722222 |
| 0.127 (3/30/2020) | 0.3 (3/12/2013) | (0.127 - 0.3)/(29 - 1) | -0.00617857 |
| ND<0.1 U (6/16/2020) | 0.3 (3/12/2013) | (0.1 - 0.3)/(30 - 1) | -0.00689655 |
| ND<0.1 U (9/21/2020) | 0.3 (3/12/2013) | (0.1 - 0.3)/(31 - 1) | -0.00666667 |
| 0.2 (12/17/2020) | 0.3 (3/12/2013) | (0.2 - 0.3)/(32 - 1) | -0.00322581 |
| 0.191 (3/18/2021) | 0.3 (3/12/2013) | (0.191 - 0.3)/(33 - 1) | -0.00340625 |
| 0.108 (5/5/2021) | 0.3 (3/12/2013) | (0.108 - 0.3)/(34 - 1) | -0.00581818 |
| ND<0.1 U (9/2/2021) | 0.3 (3/12/2013) | (0.1 - 0.3)/(35 - 1) | -0.00588235 |
| 0.126 (11/23/2021) | 0.3 (3/12/2013) | (0.126 - 0.3)/(36 - 1) | -0.00497143 |
| 0.32 (1/11/2022) | 0.3 (3/12/2013) | (0.32 - 0.3)/(37 - 1) | 0.000555556 |
| 0.122 (4/7/2022) | 0.3 (3/12/2013) | (0.122 - 0.3)/(38 - 1) | -0.00481081 |
| ND<0.1 U (8/2/2022) | 0.3 (3/12/2013) | (0.1 - 0.3)/(39 - 1) | -0.00526316 |
| ND<0.1 U (11/16/2022) | 0.3 (3/12/2013) | (0.1 - 0.3)/(40 - 1) | -0.00512821 |
| 0.284 (2/14/2023) | 0.3 (3/12/2013) | (0.284 - 0.3)/(41 - 1) | -0.0004 |
| ND<0.05 U (5/25/2023) | 0.3 (3/12/2013) | (0.05 - 0.3)/(42 - 1) | -0.00609756 |
| ND<0.1 U (8/7/2023) | 0.3 (3/12/2013) | (0.1 - 0.3)/(43 - 1) | -0.0047619 |
| ND<0.05 U (12/12/2023) | 0.3 (3/12/2013) | (0.05 - 0.3)/(44 - 1) | -0.00581395 |
| 0.166 (1/10/2024) | 0.3 (3/12/2013) | (0.166 - 0.3)/(45 - 1) | -0.00304545 |
| 0.107 (5/21/2024) | 0.3 (3/12/2013) | (0.107 - 0.3)/(46 - 1) | -0.00428889 |
| ND<0.05 U (9/16/2024) | 0.3 (3/12/2013) | (0.05 - 0.3)/(47 - 1) | -0.00543478 |
| 0.162 (12/11/2024) | 0.3 (3/12/2013) | (0.162 - 0.3)/(48 - 1) | -0.00293617 |
| 0.295 (2/18/2025) | 0.3 (3/12/2013) | (0.295 - 0.3)/(49 - 1) | -0.000104167 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | 0.16 (5/8/2013) | (0.1 - 0.16)/(3 - 2) | -0.06 |
| 0.24 (12/10/2013) | 0.16 (5/8/2013) | (0.24 - 0.16)/(4 - 2) | 0.04 |
| 0.39 (2/6/2014) | 0.16 (5/8/2013) | (0.39 - 0.16)/(5 - 2) | 0.0766667 |
| ND<0.1 U (6/26/2014) | 0.16 (5/8/2013) | (0.1 - 0.16)/(6 - 2) | -0.015 |
| ND<0.1 U (9/30/2014) | 0.16 (5/8/2013) | (0.1 - 0.16)/(7 - 2) | -0.012 |
| ND<0.1 U (11/19/2014) | 0.16 (5/8/2013) | (0.1 - 0.16)/(8 - 2) | -0.01 |
| 0.26 (3/23/2015) | 0.16 (5/8/2013) | (0.26 - 0.16)/(9 - 2) | 0.0142857 |
| 0.15 (4/22/2015) | 0.16 (5/8/2013) | (0.15 - 0.16)/(10 - 2) | -0.00125 |
| ND<0.1 U (9/30/2015) | 0.16 (5/8/2013) | (0.1 - 0.16)/(11 - 2) | -0.00666667 |
| 0.24 (11/19/2015) | 0.16 (5/8/2013) | (0.24 - 0.16)/(12 - 2) | 0.008 |
| 0.26 (3/15/2016) | 0.16 (5/8/2013) | (0.26 - 0.16)/(13 - 2) | 0.00909091 |
| ND<0.1 U (6/29/2016) | 0.16 (5/8/2013) | (0.1 - 0.16)/(14 - 2) | -0.005 |
| ND<0.1 U (8/9/2016) | 0.16 (5/8/2013) | (0.1 - 0.16)/(15 - 2) | -0.00461538 |
| ND<0.1 U (12/7/2016) | 0.16 (5/8/2013) | (0.1 - 0.16)/(16 - 2) | -0.00428571 |
| 0.33 (3/2/2017) | 0.16 (5/8/2013) | (0.33 - 0.16)/(17 - 2) | 0.0113333 |
| ND<0.1 U (7/5/2017) | 0.16 (5/8/2013) | (0.1 - 0.16)/(18 - 2) | -0.00375 |
| ND<0.1 U (8/16/2017) | 0.16 (5/8/2013) | (0.1 - 0.16)/(19 - 2) | -0.00352941 |
| ND<0.1 U (10/25/2017) | 0.16 (5/8/2013) | (0.1 - 0.16)/(20 - 2) | -0.00333333 |
| 0.248 (3/28/2018) | 0.16 (5/8/2013) | (0.248 - 0.16)/(21 - 2) | 0.00463158 |
| ND<0.1 U (6/29/2018) | 0.16 (5/8/2013) | (0.1 - 0.16)/(22 - 2) | -0.003 |
| ND<0.1 U (8/2/2018) | 0.16 (5/8/2013) | (0.1 - 0.16)/(23 - 2) | -0.00285714 |
| 0.146 (12/10/2018) | 0.16 (5/8/2013) | (0.146 - 0.16)/(24 - 2) | -0.000636364 |
| 0.168 (4/15/2019) | 0.16 (5/8/2013) | (0.168 - 0.16)/(25 - 2) | 0.000347826 |
| ND<0.1 U (6/12/2019) | 0.16 (5/8/2013) | (0.1 - 0.16)/(26 - 2) | -0.0025 |
| ND<0.1 U (8/27/2019) | 0.16 (5/8/2013) | (0.1 - 0.16)/(27 - 2) | -0.0024 |
| 0.105 (10/29/2019) | 0.16 (5/8/2013) | (0.105 - 0.16)/(28 - 2) | -0.00211538 |
| 0.127 (3/30/2020) | 0.16 (5/8/2013) | (0.127 - 0.16)/(29 - 2) | -0.00122222 |
| ND<0.1 U (6/16/2020) | 0.16 (5/8/2013) | (0.1 - 0.16)/(30 - 2) | -0.00214286 |
| ND<0.1 U (9/21/2020) | 0.16 (5/8/2013) | (0.1 - 0.16)/(31 - 2) | -0.00206897 |
| 0.2 (12/17/2020) | 0.16 (5/8/2013) | (0.2 - 0.16)/(32 - 2) | 0.00133333 |
| 0.191 (3/18/2021) | 0.16 (5/8/2013) | (0.191 - 0.16)/(33 - 2) | 0.001 |
| 0.108 (5/5/2021) | 0.16 (5/8/2013) | (0.108 - 0.16)/(34 - 2) | -0.001625 |
| ND<0.1 U (9/2/2021) | 0.16 (5/8/2013) | (0.1 - 0.16)/(35 - 2) | -0.00181818 |
| 0.126 (11/23/2021) | 0.16 (5/8/2013) | (0.126 - 0.16)/(36 - 2) | -0.001 |
| 0.32 (1/11/2022) | 0.16 (5/8/2013) | (0.32 - 0.16)/(37 - 2) | 0.00457143 |
| 0.122 (4/7/2022) | 0.16 (5/8/2013) | (0.122 - 0.16)/(38 - 2) | -0.00105556 |
| ND<0.1 U (8/2/2022) | 0.16 (5/8/2013) | (0.1 - 0.16)/(39 - 2) | -0.00162162 |
| ND<0.1 U (11/16/2022) | 0.16 (5/8/2013) | (0.1 - 0.16)/(40 - 2) | -0.00157895 |
| 0.284 (2/14/2023) | 0.16 (5/8/2013) | (0.284 - 0.16)/(41 - 2) | 0.00317949 |
| ND<0.05 U (5/25/2023) | 0.16 (5/8/2013) | (0.05 - 0.16)/(42 - 2) | -0.00275 |
| ND<0.1 U (8/7/2023) | 0.16 (5/8/2013) | (0.1 - 0.16)/(43 - 2) | -0.00146341 |
| ND<0.05 U (12/12/2023) | 0.16 (5/8/2013) | (0.05 - 0.16)/(44 - 2) | -0.00261905 |
| 0.166 (1/10/2024) | 0.16 (5/8/2013) | (0.166 - 0.16)/(45 - 2) | 0.000139535 |
| 0.107 (5/21/2024) | 0.16 (5/8/2013) | (0.107 - 0.16)/(46 - 2) | -0.00120455 |
| ND<0.05 U (9/16/2024) | 0.16 (5/8/2013) | (0.05 - 0.16)/(47 - 2) | -0.00244444 |
| 0.162 (12/11/2024) | 0.16 (5/8/2013) | (0.162 - 0.16)/(48 - 2) | 4.34783e-05 |
| 0.295 (2/18/2025) | 0.16 (5/8/2013) | (0.295 - 0.16)/(49 - 2) | 0.00287234 |

| | | | |
|---|---|---|---|
| 0.24 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(4 - 3) | 0.14 |
| 0.39 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.39 - 0.1)/(5 - 3) | 0.145 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(9 - 3) | 0.0266667 |
| 0.15 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(10 - 3) | 0.00714286 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

| | | | |
|---|---|---|---|
| 0.24 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(12 - 3) | 0.0155556 |
| 0.26 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(13 - 3) | 0.016 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| 0.33 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.33 - 0.1)/(17 - 3) | 0.0164286 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (9/23/2013) | (0.248 - 0.1)/(21 - 3) | 0.00822222 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (9/23/2013) | (0.146 - 0.1)/(24 - 3) | 0.00219048 |
| 0.168 (4/15/2019) | ND<0.1 U (9/23/2013) | (0.168 - 0.1)/(25 - 3) | 0.00309091 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (9/23/2013) | (0.105 - 0.1)/(28 - 3) | 0.0002 |
| 0.127 (3/30/2020) | ND<0.1 U (9/23/2013) | (0.127 - 0.1)/(29 - 3) | 0.00103846 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(32 - 3) | 0.00344828 |
| 0.191 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.191 - 0.1)/(33 - 3) | 0.00303333 |
| 0.108 (5/5/2021) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(34 - 3) | 0.000258065 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.126 - 0.1)/(36 - 3) | 0.000787879 |
| 0.32 (1/11/2022) | ND<0.1 U (9/23/2013) | (0.32 - 0.1)/(37 - 3) | 0.00647059 |
| 0.122 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.122 - 0.1)/(38 - 3) | 0.000628571 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (9/23/2013) | (0.284 - 0.1)/(41 - 3) | 0.00484211 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(42 - 3) | -0.00128205 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(43 - 3) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(44 - 3) | -0.00121951 |
| 0.166 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.166 - 0.1)/(45 - 3) | 0.00157143 |
| 0.107 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.107 - 0.1)/(46 - 3) | 0.000162791 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(47 - 3) | -0.00113636 |
| 0.162 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.162 - 0.1)/(48 - 3) | 0.00137778 |
| 0.295 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.295 - 0.1)/(49 - 3) | 0.00423913 |
| | | | |
| 0.39 (2/6/2014) | 0.24 (12/10/2013) | (0.39 - 0.24)/(5 - 4) | 0.15 |
| ND<0.1 U (6/26/2014) | 0.24 (12/10/2013) | (0.1 - 0.24)/(6 - 4) | -0.07 |
| ND<0.1 U (9/30/2014) | 0.24 (12/10/2013) | (0.1 - 0.24)/(7 - 4) | -0.0466667 |
| ND<0.1 U (11/19/2014) | 0.24 (12/10/2013) | (0.1 - 0.24)/(8 - 4) | -0.035 |
| 0.26 (3/23/2015) | 0.24 (12/10/2013) | (0.26 - 0.24)/(9 - 4) | 0.004 |
| 0.15 (4/22/2015) | 0.24 (12/10/2013) | (0.15 - 0.24)/(10 - 4) | -0.015 |
| ND<0.1 U (9/30/2015) | 0.24 (12/10/2013) | (0.1 - 0.24)/(11 - 4) | -0.02 |
| 0.24 (11/19/2015) | 0.24 (12/10/2013) | (0.24 - 0.24)/(12 - 4) | 0 |
| 0.26 (3/15/2016) | 0.24 (12/10/2013) | (0.26 - 0.24)/(13 - 4) | 0.00222222 |
| ND<0.1 U (6/29/2016) | 0.24 (12/10/2013) | (0.1 - 0.24)/(14 - 4) | -0.014 |
| ND<0.1 U (8/9/2016) | 0.24 (12/10/2013) | (0.1 - 0.24)/(15 - 4) | -0.0127273 |
| ND<0.1 U (12/7/2016) | 0.24 (12/10/2013) | (0.1 - 0.24)/(16 - 4) | -0.0116667 |
| 0.33 (3/2/2017) | 0.24 (12/10/2013) | (0.33 - 0.24)/(17 - 4) | 0.00692308 |
| ND<0.1 U (7/5/2017) | 0.24 (12/10/2013) | (0.1 - 0.24)/(18 - 4) | -0.01 |
| ND<0.1 U (8/16/2017) | 0.24 (12/10/2013) | (0.1 - 0.24)/(19 - 4) | -0.00933333 |
| ND<0.1 U (10/25/2017) | 0.24 (12/10/2013) | (0.1 - 0.24)/(20 - 4) | -0.00875 |
| 0.248 (3/28/2018) | 0.24 (12/10/2013) | (0.248 - 0.24)/(21 - 4) | 0.000470588 |
| ND<0.1 U (6/29/2018) | 0.24 (12/10/2013) | (0.1 - 0.24)/(22 - 4) | -0.00777778 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | 0.24 (12/10/2013) | (0.1 - 0.24)/(23 - 4) | -0.00736842 |
| 0.146 (12/10/2018) | 0.24 (12/10/2013) | (0.146 - 0.24)/(24 - 4) | -0.0047 |
| 0.168 (4/15/2019) | 0.24 (12/10/2013) | (0.168 - 0.24)/(25 - 4) | -0.00342857 |
| ND<0.1 U (6/12/2019) | 0.24 (12/10/2013) | (0.1 - 0.24)/(26 - 4) | -0.00636364 |
| ND<0.1 U (8/27/2019) | 0.24 (12/10/2013) | (0.1 - 0.24)/(27 - 4) | -0.00608696 |
| 0.105 (10/29/2019) | 0.24 (12/10/2013) | (0.105 - 0.24)/(28 - 4) | -0.005625 |
| 0.127 (3/30/2020) | 0.24 (12/10/2013) | (0.127 - 0.24)/(29 - 4) | -0.00452 |
| ND<0.1 U (6/16/2020) | 0.24 (12/10/2013) | (0.1 - 0.24)/(30 - 4) | -0.00538462 |
| ND<0.1 U (9/21/2020) | 0.24 (12/10/2013) | (0.1 - 0.24)/(31 - 4) | -0.00518519 |
| 0.2 (12/17/2020) | 0.24 (12/10/2013) | (0.2 - 0.24)/(32 - 4) | -0.00142857 |
| 0.191 (3/18/2021) | 0.24 (12/10/2013) | (0.191 - 0.24)/(33 - 4) | -0.00168966 |
| 0.108 (5/5/2021) | 0.24 (12/10/2013) | (0.108 - 0.24)/(34 - 4) | -0.0044 |
| ND<0.1 U (9/2/2021) | 0.24 (12/10/2013) | (0.1 - 0.24)/(35 - 4) | -0.00451613 |
| 0.126 (11/23/2021) | 0.24 (12/10/2013) | (0.126 - 0.24)/(36 - 4) | -0.0035625 |
| 0.32 (1/11/2022) | 0.24 (12/10/2013) | (0.32 - 0.24)/(37 - 4) | 0.00242424 |
| 0.122 (4/7/2022) | 0.24 (12/10/2013) | (0.122 - 0.24)/(38 - 4) | -0.00347059 |
| ND<0.1 U (8/2/2022) | 0.24 (12/10/2013) | (0.1 - 0.24)/(39 - 4) | -0.004 |
| ND<0.1 U (11/16/2022) | 0.24 (12/10/2013) | (0.1 - 0.24)/(40 - 4) | -0.00388889 |
| 0.284 (2/14/2023) | 0.24 (12/10/2013) | (0.284 - 0.24)/(41 - 4) | 0.00118919 |
| ND<0.05 U (5/25/2023) | 0.24 (12/10/2013) | (0.05 - 0.24)/(42 - 4) | -0.005 |
| ND<0.1 U (8/7/2023) | 0.24 (12/10/2013) | (0.1 - 0.24)/(43 - 4) | -0.00358974 |
| ND<0.05 U (12/12/2023) | 0.24 (12/10/2013) | (0.05 - 0.24)/(44 - 4) | -0.00475 |
| 0.166 (1/10/2024) | 0.24 (12/10/2013) | (0.166 - 0.24)/(45 - 4) | -0.00180488 |
| 0.107 (5/21/2024) | 0.24 (12/10/2013) | (0.107 - 0.24)/(46 - 4) | -0.00316667 |
| ND<0.05 U (9/16/2024) | 0.24 (12/10/2013) | (0.05 - 0.24)/(47 - 4) | -0.0044186 |
| 0.162 (12/11/2024) | 0.24 (12/10/2013) | (0.162 - 0.24)/(48 - 4) | -0.00177273 |
| 0.295 (2/18/2025) | 0.24 (12/10/2013) | (0.295 - 0.24)/(49 - 4) | 0.00122222 |

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|---|---|---|---|
| ND<0.1 U (6/26/2014) | 0.39 (2/6/2014) | (0.1 - 0.39)/(6 - 5) | -0.29 |
| ND<0.1 U (9/30/2014) | 0.39 (2/6/2014) | (0.1 - 0.39)/(7 - 5) | -0.145 |
| ND<0.1 U (11/19/2014) | 0.39 (2/6/2014) | (0.1 - 0.39)/(8 - 5) | -0.0966667 |
| 0.26 (3/23/2015) | 0.39 (2/6/2014) | (0.26 - 0.39)/(9 - 5) | -0.0325 |
| 0.15 (4/22/2015) | 0.39 (2/6/2014) | (0.15 - 0.39)/(10 - 5) | -0.048 |
| ND<0.1 U (9/30/2015) | 0.39 (2/6/2014) | (0.1 - 0.39)/(11 - 5) | -0.0483333 |
| 0.24 (11/19/2015) | 0.39 (2/6/2014) | (0.24 - 0.39)/(12 - 5) | -0.0214286 |
| 0.26 (3/15/2016) | 0.39 (2/6/2014) | (0.26 - 0.39)/(13 - 5) | -0.01625 |
| ND<0.1 U (6/29/2016) | 0.39 (2/6/2014) | (0.1 - 0.39)/(14 - 5) | -0.0322222 |
| ND<0.1 U (8/9/2016) | 0.39 (2/6/2014) | (0.1 - 0.39)/(15 - 5) | -0.029 |
| ND<0.1 U (12/7/2016) | 0.39 (2/6/2014) | (0.1 - 0.39)/(16 - 5) | -0.0263636 |
| 0.33 (3/2/2017) | 0.39 (2/6/2014) | (0.33 - 0.39)/(17 - 5) | -0.005 |
| ND<0.1 U (7/5/2017) | 0.39 (2/6/2014) | (0.1 - 0.39)/(18 - 5) | -0.0223077 |
| ND<0.1 U (8/16/2017) | 0.39 (2/6/2014) | (0.1 - 0.39)/(19 - 5) | -0.0207143 |
| ND<0.1 U (10/25/2017) | 0.39 (2/6/2014) | (0.1 - 0.39)/(20 - 5) | -0.0193333 |
| 0.248 (3/28/2018) | 0.39 (2/6/2014) | (0.248 - 0.39)/(21 - 5) | -0.008875 |
| ND<0.1 U (6/29/2018) | 0.39 (2/6/2014) | (0.1 - 0.39)/(22 - 5) | -0.0170588 |
| ND<0.1 U (8/2/2018) | 0.39 (2/6/2014) | (0.1 - 0.39)/(23 - 5) | -0.0161111 |
| 0.146 (12/10/2018) | 0.39 (2/6/2014) | (0.146 - 0.39)/(24 - 5) | -0.0128421 |
| 0.168 (4/15/2019) | 0.39 (2/6/2014) | (0.168 - 0.39)/(25 - 5) | -0.0111 |
| ND<0.1 U (6/12/2019) | 0.39 (2/6/2014) | (0.1 - 0.39)/(26 - 5) | -0.0138095 |
| ND<0.1 U (8/27/2019) | 0.39 (2/6/2014) | (0.1 - 0.39)/(27 - 5) | -0.0131818 |
| 0.105 (10/29/2019) | 0.39 (2/6/2014) | (0.105 - 0.39)/(28 - 5) | -0.0123913 |
| 0.127 (3/30/2020) | 0.39 (2/6/2014) | (0.127 - 0.39)/(29 - 5) | -0.0109583 |
| ND<0.1 U (6/16/2020) | 0.39 (2/6/2014) | (0.1 - 0.39)/(30 - 5) | -0.0116 |
| ND<0.1 U (9/21/2020) | 0.39 (2/6/2014) | (0.1 - 0.39)/(31 - 5) | -0.0111538 |
| 0.2 (12/17/2020) | 0.39 (2/6/2014) | (0.2 - 0.39)/(32 - 5) | -0.00703704 |
| 0.191 (3/18/2021) | 0.39 (2/6/2014) | (0.191 - 0.39)/(33 - 5) | -0.00710714 |
| 0.108 (5/5/2021) | 0.39 (2/6/2014) | (0.108 - 0.39)/(34 - 5) | -0.00972414 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | 0.39 (2/6/2014) | (0.1 - 0.39)/(35 - 5) | -0.00966667 |
| 0.126 (11/23/2021) | 0.39 (2/6/2014) | (0.126 - 0.39)/(36 - 5) | -0.00851613 |
| 0.32 (1/11/2022) | 0.39 (2/6/2014) | (0.32 - 0.39)/(37 - 5) | -0.0021875 |
| 0.122 (4/7/2022) | 0.39 (2/6/2014) | (0.122 - 0.39)/(38 - 5) | -0.00812121 |
| ND<0.1 U (8/2/2022) | 0.39 (2/6/2014) | (0.1 - 0.39)/(39 - 5) | -0.00852941 |
| ND<0.1 U (11/16/2022) | 0.39 (2/6/2014) | (0.1 - 0.39)/(40 - 5) | -0.00828571 |
| 0.284 (2/14/2023) | 0.39 (2/6/2014) | (0.284 - 0.39)/(41 - 5) | -0.00294444 |
| ND<0.05 U (5/25/2023) | 0.39 (2/6/2014) | (0.05 - 0.39)/(42 - 5) | -0.00918919 |
| ND<0.1 U (8/7/2023) | 0.39 (2/6/2014) | (0.1 - 0.39)/(43 - 5) | -0.00763158 |
| ND<0.05 U (12/12/2023) | 0.39 (2/6/2014) | (0.05 - 0.39)/(44 - 5) | -0.00871795 |
| 0.166 (1/10/2024) | 0.39 (2/6/2014) | (0.166 - 0.39)/(45 - 5) | -0.0056 |
| 0.107 (5/21/2024) | 0.39 (2/6/2014) | (0.107 - 0.39)/(46 - 5) | -0.00690244 |
| ND<0.05 U (9/16/2024) | 0.39 (2/6/2014) | (0.05 - 0.39)/(47 - 5) | -0.00809524 |
| 0.162 (12/11/2024) | 0.39 (2/6/2014) | (0.162 - 0.39)/(48 - 5) | -0.00530233 |
| 0.295 (2/18/2025) | 0.39 (2/6/2014) | (0.295 - 0.39)/(49 - 5) | -0.00215909 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(8 - 6) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.26 - 0.1)/(9 - 6) | 0.0533333 |
| 0.15 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(10 - 6) | 0.0125 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.24 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.24 - 0.1)/(12 - 6) | 0.0233333 |
| 0.26 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.26 - 0.1)/(13 - 6) | 0.0228571 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(16 - 6) | 0 |
| 0.33 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.33 - 0.1)/(17 - 6) | 0.0209091 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (6/26/2014) | (0.248 - 0.1)/(21 - 6) | 0.00986667 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (6/26/2014) | (0.146 - 0.1)/(24 - 6) | 0.00255556 |
| 0.168 (4/15/2019) | ND<0.1 U (6/26/2014) | (0.168 - 0.1)/(25 - 6) | 0.00357895 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (6/26/2014) | (0.105 - 0.1)/(28 - 6) | 0.000227273 |
| 0.127 (3/30/2020) | ND<0.1 U (6/26/2014) | (0.127 - 0.1)/(29 - 6) | 0.00117391 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (6/26/2014) | (0.2 - 0.1)/(32 - 6) | 0.00384615 |
| 0.191 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.191 - 0.1)/(33 - 6) | 0.00337037 |
| 0.108 (5/5/2021) | ND<0.1 U (6/26/2014) | (0.108 - 0.1)/(34 - 6) | 0.000285714 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.126 - 0.1)/(36 - 6) | 0.000866667 |
| 0.32 (1/11/2022) | ND<0.1 U (6/26/2014) | (0.32 - 0.1)/(37 - 6) | 0.00709677 |
| 0.122 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.122 - 0.1)/(38 - 6) | 0.0006875 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (6/26/2014) | (0.284 - 0.1)/(41 - 6) | 0.00525714 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(42 - 6) | -0.00138889 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(43 - 6) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(44 - 6) | -0.00131579 |
| 0.166 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.166 - 0.1)/(45 - 6) | 0.00169231 |
| 0.107 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.107 - 0.1)/(46 - 6) | 0.000175 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(47 - 6) | -0.00121951 |

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|---|---|---|---|
| 0.162 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.162 - 0.1)/(48 - 6) | 0.00147619 |
| 0.295 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.295 - 0.1)/(49 - 6) | 0.00453488 |
| | | | |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(8 - 7) | 0 |
| 0.26 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.26 - 0.1)/(9 - 7) | 0.08 |
| 0.15 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(10 - 7) | 0.0166667 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.24 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.24 - 0.1)/(12 - 7) | 0.028 |
| 0.26 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.26 - 0.1)/(13 - 7) | 0.0266667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| 0.33 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.33 - 0.1)/(17 - 7) | 0.023 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (9/30/2014) | (0.248 - 0.1)/(21 - 7) | 0.0105714 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (9/30/2014) | (0.146 - 0.1)/(24 - 7) | 0.00270588 |
| 0.168 (4/15/2019) | ND<0.1 U (9/30/2014) | (0.168 - 0.1)/(25 - 7) | 0.00377778 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (9/30/2014) | (0.105 - 0.1)/(28 - 7) | 0.000238095 |
| 0.127 (3/30/2020) | ND<0.1 U (9/30/2014) | (0.127 - 0.1)/(29 - 7) | 0.00122727 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(32 - 7) | 0.004 |
| 0.191 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.191 - 0.1)/(33 - 7) | 0.0035 |
| 0.108 (5/5/2021) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(34 - 7) | 0.000296296 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.126 - 0.1)/(36 - 7) | 0.000896552 |
| 0.32 (1/11/2022) | ND<0.1 U (9/30/2014) | (0.32 - 0.1)/(37 - 7) | 0.00733333 |
| 0.122 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.122 - 0.1)/(38 - 7) | 0.000709677 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (9/30/2014) | (0.284 - 0.1)/(41 - 7) | 0.00541176 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(42 - 7) | -0.00142857 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(43 - 7) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(44 - 7) | -0.00135135 |
| 0.166 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.166 - 0.1)/(45 - 7) | 0.00173684 |
| 0.107 (5/21/2024) | ND<0.1 U (9/30/2014) | (0.107 - 0.1)/(46 - 7) | 0.000179487 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(47 - 7) | -0.00125 |
| 0.162 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.162 - 0.1)/(48 - 7) | 0.0015122 |
| 0.295 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.295 - 0.1)/(49 - 7) | 0.00464286 |
| | | | |
| 0.26 (3/23/2015) | ND<0.1 U (11/19/2014) | (0.26 - 0.1)/(9 - 8) | 0.16 |
| 0.15 (4/22/2015) | ND<0.1 U (11/19/2014) | (0.15 - 0.1)/(10 - 8) | 0.025 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(11 - 8) | 0 |
| 0.24 (11/19/2015) | ND<0.1 U (11/19/2014) | (0.24 - 0.1)/(12 - 8) | 0.035 |
| 0.26 (3/15/2016) | ND<0.1 U (11/19/2014) | (0.26 - 0.1)/(13 - 8) | 0.032 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(16 - 8) | 0 |
| 0.33 (3/2/2017) | ND<0.1 U (11/19/2014) | (0.33 - 0.1)/(17 - 8) | 0.0255556 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(18 - 8) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(19 - 8) | 0 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(20 - 8) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (11/19/2014) | (0.248 - 0.1)/(21 - 8) | 0.0113846 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(22 - 8) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(23 - 8) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (11/19/2014) | (0.146 - 0.1)/(24 - 8) | 0.002875 |
| 0.168 (4/15/2019) | ND<0.1 U (11/19/2014) | (0.168 - 0.1)/(25 - 8) | 0.004 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(26 - 8) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(27 - 8) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (11/19/2014) | (0.105 - 0.1)/(28 - 8) | 0.00025 |
| 0.127 (3/30/2020) | ND<0.1 U (11/19/2014) | (0.127 - 0.1)/(29 - 8) | 0.00128571 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(30 - 8) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(31 - 8) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (11/19/2014) | (0.2 - 0.1)/(32 - 8) | 0.00416667 |
| 0.191 (3/18/2021) | ND<0.1 U (11/19/2014) | (0.191 - 0.1)/(33 - 8) | 0.00364 |
| 0.108 (5/5/2021) | ND<0.1 U (11/19/2014) | (0.108 - 0.1)/(34 - 8) | 0.000307692 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(35 - 8) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (11/19/2014) | (0.126 - 0.1)/(36 - 8) | 0.000928571 |
| 0.32 (1/11/2022) | ND<0.1 U (11/19/2014) | (0.32 - 0.1)/(37 - 8) | 0.00758621 |
| 0.122 (4/7/2022) | ND<0.1 U (11/19/2014) | (0.122 - 0.1)/(38 - 8) | 0.000733333 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(39 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(40 - 8) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (11/19/2014) | (0.284 - 0.1)/(41 - 8) | 0.00557576 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/19/2014) | (0.05 - 0.1)/(42 - 8) | -0.00147059 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(43 - 8) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (11/19/2014) | (0.05 - 0.1)/(44 - 8) | -0.00138889 |
| 0.166 (1/10/2024) | ND<0.1 U (11/19/2014) | (0.166 - 0.1)/(45 - 8) | 0.00178378 |
| 0.107 (5/21/2024) | ND<0.1 U (11/19/2014) | (0.107 - 0.1)/(46 - 8) | 0.000184211 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/19/2014) | (0.05 - 0.1)/(47 - 8) | -0.00128205 |
| 0.162 (12/11/2024) | ND<0.1 U (11/19/2014) | (0.162 - 0.1)/(48 - 8) | 0.00155 |
| 0.295 (2/18/2025) | ND<0.1 U (11/19/2014) | (0.295 - 0.1)/(49 - 8) | 0.0047561 |

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|---|---|---|---|
| 0.15 (4/22/2015) | 0.26 (3/23/2015) | (0.15 - 0.26)/(10 - 9) | -0.11 |
| ND<0.1 U (9/30/2015) | 0.26 (3/23/2015) | (0.1 - 0.26)/(11 - 9) | -0.08 |
| 0.24 (11/19/2015) | 0.26 (3/23/2015) | (0.24 - 0.26)/(12 - 9) | -0.00666667 |
| 0.26 (3/15/2016) | 0.26 (3/23/2015) | (0.26 - 0.26)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(14 - 9) | -0.032 |
| ND<0.1 U (8/9/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(15 - 9) | -0.0266667 |
| ND<0.1 U (12/7/2016) | 0.26 (3/23/2015) | (0.1 - 0.26)/(16 - 9) | -0.0228571 |
| 0.33 (3/2/2017) | 0.26 (3/23/2015) | (0.33 - 0.26)/(17 - 9) | 0.00875 |
| ND<0.1 U (7/5/2017) | 0.26 (3/23/2015) | (0.1 - 0.26)/(18 - 9) | -0.0177778 |
| ND<0.1 U (8/16/2017) | 0.26 (3/23/2015) | (0.1 - 0.26)/(19 - 9) | -0.016 |
| ND<0.1 U (10/25/2017) | 0.26 (3/23/2015) | (0.1 - 0.26)/(20 - 9) | -0.0145455 |
| 0.248 (3/28/2018) | 0.26 (3/23/2015) | (0.248 - 0.26)/(21 - 9) | -0.001 |
| ND<0.1 U (6/29/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(22 - 9) | -0.0123077 |
| ND<0.1 U (8/2/2018) | 0.26 (3/23/2015) | (0.1 - 0.26)/(23 - 9) | -0.0114286 |
| 0.146 (12/10/2018) | 0.26 (3/23/2015) | (0.146 - 0.26)/(24 - 9) | -0.0076 |
| 0.168 (4/15/2019) | 0.26 (3/23/2015) | (0.168 - 0.26)/(25 - 9) | -0.00575 |
| ND<0.1 U (6/12/2019) | 0.26 (3/23/2015) | (0.1 - 0.26)/(26 - 9) | -0.00941176 |
| ND<0.1 U (8/27/2019) | 0.26 (3/23/2015) | (0.1 - 0.26)/(27 - 9) | -0.00888889 |
| 0.105 (10/29/2019) | 0.26 (3/23/2015) | (0.105 - 0.26)/(28 - 9) | -0.00815789 |
| 0.127 (3/30/2020) | 0.26 (3/23/2015) | (0.127 - 0.26)/(29 - 9) | -0.00665 |
| ND<0.1 U (6/16/2020) | 0.26 (3/23/2015) | (0.1 - 0.26)/(30 - 9) | -0.00761905 |
| ND<0.1 U (9/21/2020) | 0.26 (3/23/2015) | (0.1 - 0.26)/(31 - 9) | -0.00727273 |
| 0.2 (12/17/2020) | 0.26 (3/23/2015) | (0.2 - 0.26)/(32 - 9) | -0.0026087 |
| 0.191 (3/18/2021) | 0.26 (3/23/2015) | (0.191 - 0.26)/(33 - 9) | -0.002875 |
| 0.108 (5/5/2021) | 0.26 (3/23/2015) | (0.108 - 0.26)/(34 - 9) | -0.00608 |
| ND<0.1 U (9/2/2021) | 0.26 (3/23/2015) | (0.1 - 0.26)/(35 - 9) | -0.00615385 |

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|---|---|---|---|
| 0.126 (11/23/2021) | 0.26 (3/23/2015) | (0.126 - 0.26)/(36 - 9) | -0.00496296 |
| 0.32 (1/11/2022) | 0.26 (3/23/2015) | (0.32 - 0.26)/(37 - 9) | 0.00214286 |
| 0.122 (4/7/2022) | 0.26 (3/23/2015) | (0.122 - 0.26)/(38 - 9) | -0.00475862 |
| ND<0.1 U (8/2/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(39 - 9) | -0.00533333 |
| ND<0.1 U (11/16/2022) | 0.26 (3/23/2015) | (0.1 - 0.26)/(40 - 9) | -0.00516129 |
| 0.284 (2/14/2023) | 0.26 (3/23/2015) | (0.284 - 0.26)/(41 - 9) | 0.00075 |
| ND<0.05 U (5/25/2023) | 0.26 (3/23/2015) | (0.05 - 0.26)/(42 - 9) | -0.00636364 |
| ND<0.1 U (8/7/2023) | 0.26 (3/23/2015) | (0.1 - 0.26)/(43 - 9) | -0.00470588 |
| ND<0.05 U (12/12/2023) | 0.26 (3/23/2015) | (0.05 - 0.26)/(44 - 9) | -0.006 |
| 0.166 (1/10/2024) | 0.26 (3/23/2015) | (0.166 - 0.26)/(45 - 9) | -0.00261111 |
| 0.107 (5/21/2024) | 0.26 (3/23/2015) | (0.107 - 0.26)/(46 - 9) | -0.00413514 |
| ND<0.05 U (9/16/2024) | 0.26 (3/23/2015) | (0.05 - 0.26)/(47 - 9) | -0.00552632 |
| 0.162 (12/11/2024) | 0.26 (3/23/2015) | (0.162 - 0.26)/(48 - 9) | -0.00251282 |
| 0.295 (2/18/2025) | 0.26 (3/23/2015) | (0.295 - 0.26)/(49 - 9) | 0.000875 |
| | | | |
| ND<0.1 U (9/30/2015) | 0.15 (4/22/2015) | (0.1 - 0.15)/(11 - 10) | -0.05 |
| 0.24 (11/19/2015) | 0.15 (4/22/2015) | (0.24 - 0.15)/(12 - 10) | 0.045 |
| 0.26 (3/15/2016) | 0.15 (4/22/2015) | (0.26 - 0.15)/(13 - 10) | 0.0366667 |
| ND<0.1 U (6/29/2016) | 0.15 (4/22/2015) | (0.1 - 0.15)/(14 - 10) | -0.0125 |
| ND<0.1 U (8/9/2016) | 0.15 (4/22/2015) | (0.1 - 0.15)/(15 - 10) | -0.01 |
| ND<0.1 U (12/7/2016) | 0.15 (4/22/2015) | (0.1 - 0.15)/(16 - 10) | -0.00833333 |
| 0.33 (3/2/2017) | 0.15 (4/22/2015) | (0.33 - 0.15)/(17 - 10) | 0.0257143 |
| ND<0.1 U (7/5/2017) | 0.15 (4/22/2015) | (0.1 - 0.15)/(18 - 10) | -0.00625 |
| ND<0.1 U (8/16/2017) | 0.15 (4/22/2015) | (0.1 - 0.15)/(19 - 10) | -0.00555556 |
| ND<0.1 U (10/25/2017) | 0.15 (4/22/2015) | (0.1 - 0.15)/(20 - 10) | -0.005 |
| 0.248 (3/28/2018) | 0.15 (4/22/2015) | (0.248 - 0.15)/(21 - 10) | 0.00890909 |
| ND<0.1 U (6/29/2018) | 0.15 (4/22/2015) | (0.1 - 0.15)/(22 - 10) | -0.00416667 |
| ND<0.1 U (8/2/2018) | 0.15 (4/22/2015) | (0.1 - 0.15)/(23 - 10) | -0.00384615 |
| 0.146 (12/10/2018) | 0.15 (4/22/2015) | (0.146 - 0.15)/(24 - 10) | -0.000285714 |
| 0.168 (4/15/2019) | 0.15 (4/22/2015) | (0.168 - 0.15)/(25 - 10) | 0.0012 |
| ND<0.1 U (6/12/2019) | 0.15 (4/22/2015) | (0.1 - 0.15)/(26 - 10) | -0.003125 |
| ND<0.1 U (8/27/2019) | 0.15 (4/22/2015) | (0.1 - 0.15)/(27 - 10) | -0.00294118 |
| 0.105 (10/29/2019) | 0.15 (4/22/2015) | (0.105 - 0.15)/(28 - 10) | -0.0025 |
| 0.127 (3/30/2020) | 0.15 (4/22/2015) | (0.127 - 0.15)/(29 - 10) | -0.00121053 |
| ND<0.1 U (6/16/2020) | 0.15 (4/22/2015) | (0.1 - 0.15)/(30 - 10) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.15 (4/22/2015) | (0.1 - 0.15)/(31 - 10) | -0.00238095 |
| 0.2 (12/17/2020) | 0.15 (4/22/2015) | (0.2 - 0.15)/(32 - 10) | 0.00227273 |
| 0.191 (3/18/2021) | 0.15 (4/22/2015) | (0.191 - 0.15)/(33 - 10) | 0.00178261 |
| 0.108 (5/5/2021) | 0.15 (4/22/2015) | (0.108 - 0.15)/(34 - 10) | -0.00175 |
| ND<0.1 U (9/2/2021) | 0.15 (4/22/2015) | (0.1 - 0.15)/(35 - 10) | -0.002 |
| 0.126 (11/23/2021) | 0.15 (4/22/2015) | (0.126 - 0.15)/(36 - 10) | -0.000923077 |
| 0.32 (1/11/2022) | 0.15 (4/22/2015) | (0.32 - 0.15)/(37 - 10) | 0.0062963 |
| 0.122 (4/7/2022) | 0.15 (4/22/2015) | (0.122 - 0.15)/(38 - 10) | -0.001 |
| ND<0.1 U (8/2/2022) | 0.15 (4/22/2015) | (0.1 - 0.15)/(39 - 10) | -0.00172414 |
| ND<0.1 U (11/16/2022) | 0.15 (4/22/2015) | (0.1 - 0.15)/(40 - 10) | -0.00166667 |
| 0.284 (2/14/2023) | 0.15 (4/22/2015) | (0.284 - 0.15)/(41 - 10) | 0.00432258 |
| ND<0.05 U (5/25/2023) | 0.15 (4/22/2015) | (0.05 - 0.15)/(42 - 10) | -0.003125 |
| ND<0.1 U (8/7/2023) | 0.15 (4/22/2015) | (0.1 - 0.15)/(43 - 10) | -0.00151515 |
| ND<0.05 U (12/12/2023) | 0.15 (4/22/2015) | (0.05 - 0.15)/(44 - 10) | -0.00294118 |
| 0.166 (1/10/2024) | 0.15 (4/22/2015) | (0.166 - 0.15)/(45 - 10) | 0.000457143 |
| 0.107 (5/21/2024) | 0.15 (4/22/2015) | (0.107 - 0.15)/(46 - 10) | -0.00119444 |
| ND<0.05 U (9/16/2024) | 0.15 (4/22/2015) | (0.05 - 0.15)/(47 - 10) | -0.0027027 |
| 0.162 (12/11/2024) | 0.15 (4/22/2015) | (0.162 - 0.15)/(48 - 10) | 0.000315789 |
| 0.295 (2/18/2025) | 0.15 (4/22/2015) | (0.295 - 0.15)/(49 - 10) | 0.00371795 |
| | | | |
| 0.24 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.24 - 0.1)/(12 - 11) | 0.14 |
| 0.26 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.26 - 0.1)/(13 - 11) | 0.08 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| 0.33 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.33 - 0.1)/(17 - 11) | 0.0383333 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (9/30/2015) | (0.248 - 0.1)/(21 - 11) | 0.0148 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (9/30/2015) | (0.146 - 0.1)/(24 - 11) | 0.00353846 |
| 0.168 (4/15/2019) | ND<0.1 U (9/30/2015) | (0.168 - 0.1)/(25 - 11) | 0.00485714 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (9/30/2015) | (0.105 - 0.1)/(28 - 11) | 0.000294118 |
| 0.127 (3/30/2020) | ND<0.1 U (9/30/2015) | (0.127 - 0.1)/(29 - 11) | 0.0015 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(32 - 11) | 0.0047619 |
| 0.191 (3/18/2021) | ND<0.1 U (9/30/2015) | (0.191 - 0.1)/(33 - 11) | 0.00413636 |
| 0.108 (5/5/2021) | ND<0.1 U (9/30/2015) | (0.108 - 0.1)/(34 - 11) | 0.000347826 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.126 - 0.1)/(36 - 11) | 0.00104 |
| 0.32 (1/11/2022) | ND<0.1 U (9/30/2015) | (0.32 - 0.1)/(37 - 11) | 0.00846154 |
| 0.122 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.122 - 0.1)/(38 - 11) | 0.000814815 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (9/30/2015) | (0.284 - 0.1)/(41 - 11) | 0.00613333 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(42 - 11) | -0.0016129 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(43 - 11) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(44 - 11) | -0.00151515 |
| 0.166 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.166 - 0.1)/(45 - 11) | 0.00194118 |
| 0.107 (5/21/2024) | ND<0.1 U (9/30/2015) | (0.107 - 0.1)/(46 - 11) | 0.0002 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2015) | (0.05 - 0.1)/(47 - 11) | -0.00138889 |
| 0.162 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.162 - 0.1)/(48 - 11) | 0.00167568 |
| 0.295 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.295 - 0.1)/(49 - 11) | 0.00513158 |

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|---|---|---|---|
| 0.26 (3/15/2016) | 0.24 (11/19/2015) | (0.26 - 0.24)/(13 - 12) | 0.02 |
| ND<0.1 U (6/29/2016) | 0.24 (11/19/2015) | (0.1 - 0.24)/(14 - 12) | -0.07 |
| ND<0.1 U (8/9/2016) | 0.24 (11/19/2015) | (0.1 - 0.24)/(15 - 12) | -0.0466667 |
| ND<0.1 U (12/7/2016) | 0.24 (11/19/2015) | (0.1 - 0.24)/(16 - 12) | -0.035 |
| 0.33 (3/2/2017) | 0.24 (11/19/2015) | (0.33 - 0.24)/(17 - 12) | 0.018 |
| ND<0.1 U (7/5/2017) | 0.24 (11/19/2015) | (0.1 - 0.24)/(18 - 12) | -0.0233333 |
| ND<0.1 U (8/16/2017) | 0.24 (11/19/2015) | (0.1 - 0.24)/(19 - 12) | -0.02 |
| ND<0.1 U (10/25/2017) | 0.24 (11/19/2015) | (0.1 - 0.24)/(20 - 12) | -0.0175 |
| 0.248 (3/28/2018) | 0.24 (11/19/2015) | (0.248 - 0.24)/(21 - 12) | 0.000888889 |
| ND<0.1 U (6/29/2018) | 0.24 (11/19/2015) | (0.1 - 0.24)/(22 - 12) | -0.014 |
| ND<0.1 U (8/2/2018) | 0.24 (11/19/2015) | (0.1 - 0.24)/(23 - 12) | -0.0127273 |
| 0.146 (12/10/2018) | 0.24 (11/19/2015) | (0.146 - 0.24)/(24 - 12) | -0.00783333 |
| 0.168 (4/15/2019) | 0.24 (11/19/2015) | (0.168 - 0.24)/(25 - 12) | -0.00553846 |
| ND<0.1 U (6/12/2019) | 0.24 (11/19/2015) | (0.1 - 0.24)/(26 - 12) | -0.01 |
| ND<0.1 U (8/27/2019) | 0.24 (11/19/2015) | (0.1 - 0.24)/(27 - 12) | -0.00933333 |
| 0.105 (10/29/2019) | 0.24 (11/19/2015) | (0.105 - 0.24)/(28 - 12) | -0.0084375 |
| 0.127 (3/30/2020) | 0.24 (11/19/2015) | (0.127 - 0.24)/(29 - 12) | -0.00664706 |
| ND<0.1 U (6/16/2020) | 0.24 (11/19/2015) | (0.1 - 0.24)/(30 - 12) | -0.00777778 |
| ND<0.1 U (9/21/2020) | 0.24 (11/19/2015) | (0.1 - 0.24)/(31 - 12) | -0.00736842 |
| 0.2 (12/17/2020) | 0.24 (11/19/2015) | (0.2 - 0.24)/(32 - 12) | -0.002 |

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|---|---|---|---|
| 0.191 (3/18/2021) | 0.24 (11/19/2015) | (0.191 - 0.24)/(33 - 12) | -0.00233333 |
| 0.108 (5/5/2021) | 0.24 (11/19/2015) | (0.108 - 0.24)/(34 - 12) | -0.006 |
| ND<0.1 U (9/2/2021) | 0.24 (11/19/2015) | (0.1 - 0.24)/(35 - 12) | -0.00608696 |
| 0.126 (11/23/2021) | 0.24 (11/19/2015) | (0.126 - 0.24)/(36 - 12) | -0.00475 |
| 0.32 (1/11/2022) | 0.24 (11/19/2015) | (0.32 - 0.24)/(37 - 12) | 0.0032 |
| 0.122 (4/7/2022) | 0.24 (11/19/2015) | (0.122 - 0.24)/(38 - 12) | -0.00453846 |
| ND<0.1 U (8/2/2022) | 0.24 (11/19/2015) | (0.1 - 0.24)/(39 - 12) | -0.00518519 |
| ND<0.1 U (11/16/2022) | 0.24 (11/19/2015) | (0.1 - 0.24)/(40 - 12) | -0.005 |
| 0.284 (2/14/2023) | 0.24 (11/19/2015) | (0.284 - 0.24)/(41 - 12) | 0.00151724 |
| ND<0.05 U (5/25/2023) | 0.24 (11/19/2015) | (0.05 - 0.24)/(42 - 12) | -0.00633333 |
| ND<0.1 U (8/7/2023) | 0.24 (11/19/2015) | (0.1 - 0.24)/(43 - 12) | -0.00451613 |
| ND<0.05 U (12/12/2023) | 0.24 (11/19/2015) | (0.05 - 0.24)/(44 - 12) | -0.0059375 |
| 0.166 (1/10/2024) | 0.24 (11/19/2015) | (0.166 - 0.24)/(45 - 12) | -0.00224242 |
| 0.107 (5/21/2024) | 0.24 (11/19/2015) | (0.107 - 0.24)/(46 - 12) | -0.00391176 |
| ND<0.05 U (9/16/2024) | 0.24 (11/19/2015) | (0.05 - 0.24)/(47 - 12) | -0.00542857 |
| 0.162 (12/11/2024) | 0.24 (11/19/2015) | (0.162 - 0.24)/(48 - 12) | -0.00216667 |
| 0.295 (2/18/2025) | 0.24 (11/19/2015) | (0.295 - 0.24)/(49 - 12) | 0.00148649 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.26 (3/15/2016) | (0.1 - 0.26)/(14 - 13) | -0.16 |
| ND<0.1 U (8/9/2016) | 0.26 (3/15/2016) | (0.1 - 0.26)/(15 - 13) | -0.08 |
| ND<0.1 U (12/7/2016) | 0.26 (3/15/2016) | (0.1 - 0.26)/(16 - 13) | -0.0533333 |
| 0.33 (3/2/2017) | 0.26 (3/15/2016) | (0.33 - 0.26)/(17 - 13) | 0.0175 |
| ND<0.1 U (7/5/2017) | 0.26 (3/15/2016) | (0.1 - 0.26)/(18 - 13) | -0.032 |
| ND<0.1 U (8/16/2017) | 0.26 (3/15/2016) | (0.1 - 0.26)/(19 - 13) | -0.0266667 |
| ND<0.1 U (10/25/2017) | 0.26 (3/15/2016) | (0.1 - 0.26)/(20 - 13) | -0.0228571 |
| 0.248 (3/28/2018) | 0.26 (3/15/2016) | (0.248 - 0.26)/(21 - 13) | -0.0015 |
| ND<0.1 U (6/29/2018) | 0.26 (3/15/2016) | (0.1 - 0.26)/(22 - 13) | -0.0177778 |
| ND<0.1 U (8/2/2018) | 0.26 (3/15/2016) | (0.1 - 0.26)/(23 - 13) | -0.016 |
| 0.146 (12/10/2018) | 0.26 (3/15/2016) | (0.146 - 0.26)/(24 - 13) | -0.0103636 |
| 0.168 (4/15/2019) | 0.26 (3/15/2016) | (0.168 - 0.26)/(25 - 13) | -0.00766667 |
| ND<0.1 U (6/12/2019) | 0.26 (3/15/2016) | (0.1 - 0.26)/(26 - 13) | -0.0123077 |
| ND<0.1 U (8/27/2019) | 0.26 (3/15/2016) | (0.1 - 0.26)/(27 - 13) | -0.0114286 |
| 0.105 (10/29/2019) | 0.26 (3/15/2016) | (0.105 - 0.26)/(28 - 13) | -0.0103333 |
| 0.127 (3/30/2020) | 0.26 (3/15/2016) | (0.127 - 0.26)/(29 - 13) | -0.0083125 |
| ND<0.1 U (6/16/2020) | 0.26 (3/15/2016) | (0.1 - 0.26)/(30 - 13) | -0.00941176 |
| ND<0.1 U (9/21/2020) | 0.26 (3/15/2016) | (0.1 - 0.26)/(31 - 13) | -0.00888889 |
| 0.2 (12/17/2020) | 0.26 (3/15/2016) | (0.2 - 0.26)/(32 - 13) | -0.00315789 |
| 0.191 (3/18/2021) | 0.26 (3/15/2016) | (0.191 - 0.26)/(33 - 13) | -0.00345 |
| 0.108 (5/5/2021) | 0.26 (3/15/2016) | (0.108 - 0.26)/(34 - 13) | -0.0072381 |
| ND<0.1 U (9/2/2021) | 0.26 (3/15/2016) | (0.1 - 0.26)/(35 - 13) | -0.00727273 |
| 0.126 (11/23/2021) | 0.26 (3/15/2016) | (0.126 - 0.26)/(36 - 13) | -0.00582609 |
| 0.32 (1/11/2022) | 0.26 (3/15/2016) | (0.32 - 0.26)/(37 - 13) | 0.0025 |
| 0.122 (4/7/2022) | 0.26 (3/15/2016) | (0.122 - 0.26)/(38 - 13) | -0.00552 |
| ND<0.1 U (8/2/2022) | 0.26 (3/15/2016) | (0.1 - 0.26)/(39 - 13) | -0.00615385 |
| ND<0.1 U (11/16/2022) | 0.26 (3/15/2016) | (0.1 - 0.26)/(40 - 13) | -0.00592593 |
| 0.284 (2/14/2023) | 0.26 (3/15/2016) | (0.284 - 0.26)/(41 - 13) | 0.000857143 |
| ND<0.05 U (5/25/2023) | 0.26 (3/15/2016) | (0.05 - 0.26)/(42 - 13) | -0.00724138 |
| ND<0.1 U (8/7/2023) | 0.26 (3/15/2016) | (0.1 - 0.26)/(43 - 13) | -0.00533333 |
| ND<0.05 U (12/12/2023) | 0.26 (3/15/2016) | (0.05 - 0.26)/(44 - 13) | -0.00677419 |
| 0.166 (1/10/2024) | 0.26 (3/15/2016) | (0.166 - 0.26)/(45 - 13) | -0.0029375 |
| 0.107 (5/21/2024) | 0.26 (3/15/2016) | (0.107 - 0.26)/(46 - 13) | -0.00463636 |
| ND<0.05 U (9/16/2024) | 0.26 (3/15/2016) | (0.05 - 0.26)/(47 - 13) | -0.00617647 |
| 0.162 (12/11/2024) | 0.26 (3/15/2016) | (0.162 - 0.26)/(48 - 13) | -0.0028 |
| 0.295 (2/18/2025) | 0.26 (3/15/2016) | (0.295 - 0.26)/(49 - 13) | 0.000972222 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |

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|---|---|---|---|
| 0.33 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.33 - 0.1)/(17 - 14) | 0.0766667 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (6/29/2016) | (0.248 - 0.1)/(21 - 14) | 0.0211429 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (6/29/2016) | (0.146 - 0.1)/(24 - 14) | 0.0046 |
| 0.168 (4/15/2019) | ND<0.1 U (6/29/2016) | (0.168 - 0.1)/(25 - 14) | 0.00618182 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (6/29/2016) | (0.105 - 0.1)/(28 - 14) | 0.000357143 |
| 0.127 (3/30/2020) | ND<0.1 U (6/29/2016) | (0.127 - 0.1)/(29 - 14) | 0.0018 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(32 - 14) | 0.00555556 |
| 0.191 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.191 - 0.1)/(33 - 14) | 0.00478947 |
| 0.108 (5/5/2021) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(34 - 14) | 0.0004 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.126 - 0.1)/(36 - 14) | 0.00118182 |
| 0.32 (1/11/2022) | ND<0.1 U (6/29/2016) | (0.32 - 0.1)/(37 - 14) | 0.00956522 |
| 0.122 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.122 - 0.1)/(38 - 14) | 0.000916667 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (6/29/2016) | (0.284 - 0.1)/(41 - 14) | 0.00681481 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(42 - 14) | -0.00178571 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(43 - 14) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(44 - 14) | -0.00166667 |
| 0.166 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.166 - 0.1)/(45 - 14) | 0.00212903 |
| 0.107 (5/21/2024) | ND<0.1 U (6/29/2016) | (0.107 - 0.1)/(46 - 14) | 0.00021875 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(47 - 14) | -0.00151515 |
| 0.162 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.162 - 0.1)/(48 - 14) | 0.00182353 |
| 0.295 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.295 - 0.1)/(49 - 14) | 0.00557143 |
| | | | |
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| 0.33 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.33 - 0.1)/(17 - 15) | 0.115 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (8/9/2016) | (0.248 - 0.1)/(21 - 15) | 0.0246667 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (8/9/2016) | (0.146 - 0.1)/(24 - 15) | 0.00511111 |
| 0.168 (4/15/2019) | ND<0.1 U (8/9/2016) | (0.168 - 0.1)/(25 - 15) | 0.0068 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (8/9/2016) | (0.105 - 0.1)/(28 - 15) | 0.000384615 |
| 0.127 (3/30/2020) | ND<0.1 U (8/9/2016) | (0.127 - 0.1)/(29 - 15) | 0.00192857 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (8/9/2016) | (0.2 - 0.1)/(32 - 15) | 0.00588235 |
| 0.191 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.191 - 0.1)/(33 - 15) | 0.00505556 |
| 0.108 (5/5/2021) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(34 - 15) | 0.000421053 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (8/9/2016) | (0.126 - 0.1)/(36 - 15) | 0.0012381 |
| 0.32 (1/11/2022) | ND<0.1 U (8/9/2016) | (0.32 - 0.1)/(37 - 15) | 0.01 |
| 0.122 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.122 - 0.1)/(38 - 15) | 0.000956522 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (8/9/2016) | (0.284 - 0.1)/(41 - 15) | 0.00707692 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(42 - 15) | -0.00185185 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(43 - 15) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(44 - 15) | -0.00172414 |
| 0.166 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.166 - 0.1)/(45 - 15) | 0.0022 |
| 0.107 (5/21/2024) | ND<0.1 U (8/9/2016) | (0.107 - 0.1)/(46 - 15) | 0.000225806 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(47 - 15) | -0.0015625 |
| 0.162 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.162 - 0.1)/(48 - 15) | 0.00187879 |
| 0.295 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.295 - 0.1)/(49 - 15) | 0.00573529 |
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| 0.33 (3/2/2017) | ND<0.1 U (12/7/2016) | (0.33 - 0.1)/(17 - 16) | 0.23 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(18 - 16) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(19 - 16) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(20 - 16) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (12/7/2016) | (0.248 - 0.1)/(21 - 16) | 0.0296 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(23 - 16) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (12/7/2016) | (0.146 - 0.1)/(24 - 16) | 0.00575 |
| 0.168 (4/15/2019) | ND<0.1 U (12/7/2016) | (0.168 - 0.1)/(25 - 16) | 0.00755556 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(26 - 16) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(27 - 16) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (12/7/2016) | (0.105 - 0.1)/(28 - 16) | 0.000416667 |
| 0.127 (3/30/2020) | ND<0.1 U (12/7/2016) | (0.127 - 0.1)/(29 - 16) | 0.00207692 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(31 - 16) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (12/7/2016) | (0.2 - 0.1)/(32 - 16) | 0.00625 |
| 0.191 (3/18/2021) | ND<0.1 U (12/7/2016) | (0.191 - 0.1)/(33 - 16) | 0.00535294 |
| 0.108 (5/5/2021) | ND<0.1 U (12/7/2016) | (0.108 - 0.1)/(34 - 16) | 0.000444444 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(35 - 16) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (12/7/2016) | (0.126 - 0.1)/(36 - 16) | 0.0013 |
| 0.32 (1/11/2022) | ND<0.1 U (12/7/2016) | (0.32 - 0.1)/(37 - 16) | 0.0104762 |
| 0.122 (4/7/2022) | ND<0.1 U (12/7/2016) | (0.122 - 0.1)/(38 - 16) | 0.001 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (12/7/2016) | (0.284 - 0.1)/(41 - 16) | 0.00736 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(42 - 16) | -0.00192308 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(43 - 16) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(44 - 16) | -0.00178571 |
| 0.166 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.166 - 0.1)/(45 - 16) | 0.00227586 |
| 0.107 (5/21/2024) | ND<0.1 U (12/7/2016) | (0.107 - 0.1)/(46 - 16) | 0.000233333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(47 - 16) | -0.0016129 |
| 0.162 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.162 - 0.1)/(48 - 16) | 0.0019375 |
| 0.295 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.295 - 0.1)/(49 - 16) | 0.00590909 |
| | | | |
| ND<0.1 U (7/5/2017) | 0.33 (3/2/2017) | (0.1 - 0.33)/(18 - 17) | -0.23 |
| ND<0.1 U (8/16/2017) | 0.33 (3/2/2017) | (0.1 - 0.33)/(19 - 17) | -0.115 |
| ND<0.1 U (10/25/2017) | 0.33 (3/2/2017) | (0.1 - 0.33)/(20 - 17) | -0.0766667 |
| 0.248 (3/28/2018) | 0.33 (3/2/2017) | (0.248 - 0.33)/(21 - 17) | -0.0205 |
| ND<0.1 U (6/29/2018) | 0.33 (3/2/2017) | (0.1 - 0.33)/(22 - 17) | -0.046 |
| ND<0.1 U (8/2/2018) | 0.33 (3/2/2017) | (0.1 - 0.33)/(23 - 17) | -0.0383333 |
| 0.146 (12/10/2018) | 0.33 (3/2/2017) | (0.146 - 0.33)/(24 - 17) | -0.0262857 |
| 0.168 (4/15/2019) | 0.33 (3/2/2017) | (0.168 - 0.33)/(25 - 17) | -0.02025 |
| ND<0.1 U (6/12/2019) | 0.33 (3/2/2017) | (0.1 - 0.33)/(26 - 17) | -0.0255556 |
| ND<0.1 U (8/27/2019) | 0.33 (3/2/2017) | (0.1 - 0.33)/(27 - 17) | -0.023 |
| 0.105 (10/29/2019) | 0.33 (3/2/2017) | (0.105 - 0.33)/(28 - 17) | -0.0204545 |

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|---|---|---|---|
| 0.127 (3/30/2020) | 0.33 (3/2/2017) | (0.127 - 0.33)/(29 - 17) | -0.0169167 |
| ND<0.1 U (6/16/2020) | 0.33 (3/2/2017) | (0.1 - 0.33)/(30 - 17) | -0.0176923 |
| ND<0.1 U (9/21/2020) | 0.33 (3/2/2017) | (0.1 - 0.33)/(31 - 17) | -0.0164286 |
| 0.2 (12/17/2020) | 0.33 (3/2/2017) | (0.2 - 0.33)/(32 - 17) | -0.00866667 |
| 0.191 (3/18/2021) | 0.33 (3/2/2017) | (0.191 - 0.33)/(33 - 17) | -0.0086875 |
| 0.108 (5/5/2021) | 0.33 (3/2/2017) | (0.108 - 0.33)/(34 - 17) | -0.0130588 |
| ND<0.1 U (9/2/2021) | 0.33 (3/2/2017) | (0.1 - 0.33)/(35 - 17) | -0.0127778 |
| 0.126 (11/23/2021) | 0.33 (3/2/2017) | (0.126 - 0.33)/(36 - 17) | -0.0107368 |
| 0.32 (1/11/2022) | 0.33 (3/2/2017) | (0.32 - 0.33)/(37 - 17) | -0.0005 |
| 0.122 (4/7/2022) | 0.33 (3/2/2017) | (0.122 - 0.33)/(38 - 17) | -0.00990476 |
| ND<0.1 U (8/2/2022) | 0.33 (3/2/2017) | (0.1 - 0.33)/(39 - 17) | -0.0104545 |
| ND<0.1 U (11/16/2022) | 0.33 (3/2/2017) | (0.1 - 0.33)/(40 - 17) | -0.01 |
| 0.284 (2/14/2023) | 0.33 (3/2/2017) | (0.284 - 0.33)/(41 - 17) | -0.00191667 |
| ND<0.05 U (5/25/2023) | 0.33 (3/2/2017) | (0.05 - 0.33)/(42 - 17) | -0.0112 |
| ND<0.1 U (8/7/2023) | 0.33 (3/2/2017) | (0.1 - 0.33)/(43 - 17) | -0.00884615 |
| ND<0.05 U (12/12/2023) | 0.33 (3/2/2017) | (0.05 - 0.33)/(44 - 17) | -0.0103704 |
| 0.166 (1/10/2024) | 0.33 (3/2/2017) | (0.166 - 0.33)/(45 - 17) | -0.00585714 |
| 0.107 (5/21/2024) | 0.33 (3/2/2017) | (0.107 - 0.33)/(46 - 17) | -0.00768966 |
| ND<0.05 U (9/16/2024) | 0.33 (3/2/2017) | (0.05 - 0.33)/(47 - 17) | -0.00933333 |
| 0.162 (12/11/2024) | 0.33 (3/2/2017) | (0.162 - 0.33)/(48 - 17) | -0.00541935 |
| 0.295 (2/18/2025) | 0.33 (3/2/2017) | (0.295 - 0.33)/(49 - 17) | -0.00109375 |

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|---|---|---|---|
| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (7/5/2017) | (0.248 - 0.1)/(21 - 18) | 0.0493333 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (7/5/2017) | (0.146 - 0.1)/(24 - 18) | 0.00766667 |
| 0.168 (4/15/2019) | ND<0.1 U (7/5/2017) | (0.168 - 0.1)/(25 - 18) | 0.00971429 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (7/5/2017) | (0.105 - 0.1)/(28 - 18) | 0.0005 |
| 0.127 (3/30/2020) | ND<0.1 U (7/5/2017) | (0.127 - 0.1)/(29 - 18) | 0.00245455 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (7/5/2017) | (0.2 - 0.1)/(32 - 18) | 0.00714286 |
| 0.191 (3/18/2021) | ND<0.1 U (7/5/2017) | (0.191 - 0.1)/(33 - 18) | 0.00606667 |
| 0.108 (5/5/2021) | ND<0.1 U (7/5/2017) | (0.108 - 0.1)/(34 - 18) | 0.0005 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (7/5/2017) | (0.126 - 0.1)/(36 - 18) | 0.00144444 |
| 0.32 (1/11/2022) | ND<0.1 U (7/5/2017) | (0.32 - 0.1)/(37 - 18) | 0.0115789 |
| 0.122 (4/7/2022) | ND<0.1 U (7/5/2017) | (0.122 - 0.1)/(38 - 18) | 0.0011 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (7/5/2017) | (0.284 - 0.1)/(41 - 18) | 0.008 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (7/5/2017) | (0.05 - 0.1)/(42 - 18) | -0.00208333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(43 - 18) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (7/5/2017) | (0.05 - 0.1)/(44 - 18) | -0.00192308 |
| 0.166 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.166 - 0.1)/(45 - 18) | 0.00244444 |
| 0.107 (5/21/2024) | ND<0.1 U (7/5/2017) | (0.107 - 0.1)/(46 - 18) | 0.00025 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (7/5/2017) | (0.05 - 0.1)/(47 - 18) | -0.00172414 |
| 0.162 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.162 - 0.1)/(48 - 18) | 0.00206667 |
| 0.295 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.295 - 0.1)/(49 - 18) | 0.00629032 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| 0.248 (3/28/2018) | ND<0.1 U (8/16/2017) | (0.248 - 0.1)/(21 - 19) | 0.074 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (8/16/2017) | (0.146 - 0.1)/(24 - 19) | 0.0092 |
| 0.168 (4/15/2019) | ND<0.1 U (8/16/2017) | (0.168 - 0.1)/(25 - 19) | 0.0113333 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (8/16/2017) | (0.105 - 0.1)/(28 - 19) | 0.000555556 |
| 0.127 (3/30/2020) | ND<0.1 U (8/16/2017) | (0.127 - 0.1)/(29 - 19) | 0.0027 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (8/16/2017) | (0.2 - 0.1)/(32 - 19) | 0.00769231 |
| 0.191 (3/18/2021) | ND<0.1 U (8/16/2017) | (0.191 - 0.1)/(33 - 19) | 0.0065 |
| 0.108 (5/5/2021) | ND<0.1 U (8/16/2017) | (0.108 - 0.1)/(34 - 19) | 0.000533333 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (8/16/2017) | (0.126 - 0.1)/(36 - 19) | 0.00152941 |
| 0.32 (1/11/2022) | ND<0.1 U (8/16/2017) | (0.32 - 0.1)/(37 - 19) | 0.0122222 |
| 0.122 (4/7/2022) | ND<0.1 U (8/16/2017) | (0.122 - 0.1)/(38 - 19) | 0.00115789 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (8/16/2017) | (0.284 - 0.1)/(41 - 19) | 0.00836364 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(42 - 19) | -0.00217391 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(43 - 19) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(44 - 19) | -0.002 |
| 0.166 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.166 - 0.1)/(45 - 19) | 0.00253846 |
| 0.107 (5/21/2024) | ND<0.1 U (8/16/2017) | (0.107 - 0.1)/(46 - 19) | 0.000259259 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(47 - 19) | -0.00178571 |
| 0.162 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.162 - 0.1)/(48 - 19) | 0.00213793 |
| 0.295 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.295 - 0.1)/(49 - 19) | 0.0065 |
| | | | |
| 0.248 (3/28/2018) | ND<0.1 U (10/25/2017) | (0.248 - 0.1)/(21 - 20) | 0.148 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (10/25/2017) | (0.146 - 0.1)/(24 - 20) | 0.0115 |
| 0.168 (4/15/2019) | ND<0.1 U (10/25/2017) | (0.168 - 0.1)/(25 - 20) | 0.0136 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (10/25/2017) | (0.105 - 0.1)/(28 - 20) | 0.000625 |
| 0.127 (3/30/2020) | ND<0.1 U (10/25/2017) | (0.127 - 0.1)/(29 - 20) | 0.003 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (10/25/2017) | (0.2 - 0.1)/(32 - 20) | 0.00833333 |
| 0.191 (3/18/2021) | ND<0.1 U (10/25/2017) | (0.191 - 0.1)/(33 - 20) | 0.007 |
| 0.108 (5/5/2021) | ND<0.1 U (10/25/2017) | (0.108 - 0.1)/(34 - 20) | 0.000571429 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (10/25/2017) | (0.126 - 0.1)/(36 - 20) | 0.001625 |
| 0.32 (1/11/2022) | ND<0.1 U (10/25/2017) | (0.32 - 0.1)/(37 - 20) | 0.0129412 |
| 0.122 (4/7/2022) | ND<0.1 U (10/25/2017) | (0.122 - 0.1)/(38 - 20) | 0.00122222 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (10/25/2017) | (0.284 - 0.1)/(41 - 20) | 0.0087619 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (10/25/2017) | (0.05 - 0.1)/(42 - 20) | -0.00227273 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(43 - 20) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (10/25/2017) | (0.05 - 0.1)/(44 - 20) | -0.00208333 |
| 0.166 (1/10/2024) | ND<0.1 U (10/25/2017) | (0.166 - 0.1)/(45 - 20) | 0.00264 |
| 0.107 (5/21/2024) | ND<0.1 U (10/25/2017) | (0.107 - 0.1)/(46 - 20) | 0.000269231 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/25/2017) | (0.05 - 0.1)/(47 - 20) | -0.00185185 |
| 0.162 (12/11/2024) | ND<0.1 U (10/25/2017) | (0.162 - 0.1)/(48 - 20) | 0.00221429 |
| 0.295 (2/18/2025) | ND<0.1 U (10/25/2017) | (0.295 - 0.1)/(49 - 20) | 0.00672414 |

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|---|---|---|---|
| ND<0.1 U (6/29/2018) | 0.248 (3/28/2018) | (0.1 - 0.248)/(22 - 21) | -0.148 |
| ND<0.1 U (8/2/2018) | 0.248 (3/28/2018) | (0.1 - 0.248)/(23 - 21) | -0.074 |
| 0.146 (12/10/2018) | 0.248 (3/28/2018) | (0.146 - 0.248)/(24 - 21) | -0.034 |
| 0.168 (4/15/2019) | 0.248 (3/28/2018) | (0.168 - 0.248)/(25 - 21) | -0.02 |
| ND<0.1 U (6/12/2019) | 0.248 (3/28/2018) | (0.1 - 0.248)/(26 - 21) | -0.0296 |
| ND<0.1 U (8/27/2019) | 0.248 (3/28/2018) | (0.1 - 0.248)/(27 - 21) | -0.0246667 |
| 0.105 (10/29/2019) | 0.248 (3/28/2018) | (0.105 - 0.248)/(28 - 21) | -0.0204286 |
| 0.127 (3/30/2020) | 0.248 (3/28/2018) | (0.127 - 0.248)/(29 - 21) | -0.015125 |
| ND<0.1 U (6/16/2020) | 0.248 (3/28/2018) | (0.1 - 0.248)/(30 - 21) | -0.0164444 |
| ND<0.1 U (9/21/2020) | 0.248 (3/28/2018) | (0.1 - 0.248)/(31 - 21) | -0.0148 |
| 0.2 (12/17/2020) | 0.248 (3/28/2018) | (0.2 - 0.248)/(32 - 21) | -0.00436364 |
| 0.191 (3/18/2021) | 0.248 (3/28/2018) | (0.191 - 0.248)/(33 - 21) | -0.00475 |
| 0.108 (5/5/2021) | 0.248 (3/28/2018) | (0.108 - 0.248)/(34 - 21) | -0.0107692 |
| ND<0.1 U (9/2/2021) | 0.248 (3/28/2018) | (0.1 - 0.248)/(35 - 21) | -0.0105714 |
| 0.126 (11/23/2021) | 0.248 (3/28/2018) | (0.126 - 0.248)/(36 - 21) | -0.00813333 |
| 0.32 (1/11/2022) | 0.248 (3/28/2018) | (0.32 - 0.248)/(37 - 21) | 0.0045 |
| 0.122 (4/7/2022) | 0.248 (3/28/2018) | (0.122 - 0.248)/(38 - 21) | -0.00741176 |
| ND<0.1 U (8/2/2022) | 0.248 (3/28/2018) | (0.1 - 0.248)/(39 - 21) | -0.00822222 |
| ND<0.1 U (11/16/2022) | 0.248 (3/28/2018) | (0.1 - 0.248)/(40 - 21) | -0.00778947 |
| 0.284 (2/14/2023) | 0.248 (3/28/2018) | (0.284 - 0.248)/(41 - 21) | 0.0018 |
| ND<0.05 U (5/25/2023) | 0.248 (3/28/2018) | (0.05 - 0.248)/(42 - 21) | -0.00942857 |
| ND<0.1 U (8/7/2023) | 0.248 (3/28/2018) | (0.1 - 0.248)/(43 - 21) | -0.00672727 |
| ND<0.05 U (12/12/2023) | 0.248 (3/28/2018) | (0.05 - 0.248)/(44 - 21) | -0.0086087 |
| 0.166 (1/10/2024) | 0.248 (3/28/2018) | (0.166 - 0.248)/(45 - 21) | -0.00341667 |
| 0.107 (5/21/2024) | 0.248 (3/28/2018) | (0.107 - 0.248)/(46 - 21) | -0.00564 |
| ND<0.05 U (9/16/2024) | 0.248 (3/28/2018) | (0.05 - 0.248)/(47 - 21) | -0.00761538 |
| 0.162 (12/11/2024) | 0.248 (3/28/2018) | (0.162 - 0.248)/(48 - 21) | -0.00318519 |
| 0.295 (2/18/2025) | 0.248 (3/28/2018) | (0.295 - 0.248)/(49 - 21) | 0.00167857 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| 0.146 (12/10/2018) | ND<0.1 U (6/29/2018) | (0.146 - 0.1)/(24 - 22) | 0.023 |
| 0.168 (4/15/2019) | ND<0.1 U (6/29/2018) | (0.168 - 0.1)/(25 - 22) | 0.0226667 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (6/29/2018) | (0.105 - 0.1)/(28 - 22) | 0.000833333 |
| 0.127 (3/30/2020) | ND<0.1 U (6/29/2018) | (0.127 - 0.1)/(29 - 22) | 0.00385714 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (6/29/2018) | (0.2 - 0.1)/(32 - 22) | 0.01 |
| 0.191 (3/18/2021) | ND<0.1 U (6/29/2018) | (0.191 - 0.1)/(33 - 22) | 0.00827273 |
| 0.108 (5/5/2021) | ND<0.1 U (6/29/2018) | (0.108 - 0.1)/(34 - 22) | 0.000666667 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (6/29/2018) | (0.126 - 0.1)/(36 - 22) | 0.00185714 |
| 0.32 (1/11/2022) | ND<0.1 U (6/29/2018) | (0.32 - 0.1)/(37 - 22) | 0.0146667 |
| 0.122 (4/7/2022) | ND<0.1 U (6/29/2018) | (0.122 - 0.1)/(38 - 22) | 0.001375 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (6/29/2018) | (0.284 - 0.1)/(41 - 22) | 0.00968421 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(42 - 22) | -0.0025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(43 - 22) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(44 - 22) | -0.00227273 |
| 0.166 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.166 - 0.1)/(45 - 22) | 0.00286957 |
| 0.107 (5/21/2024) | ND<0.1 U (6/29/2018) | (0.107 - 0.1)/(46 - 22) | 0.000291667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(47 - 22) | -0.002 |
| 0.162 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.162 - 0.1)/(48 - 22) | 0.00238462 |
| 0.295 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.295 - 0.1)/(49 - 22) | 0.00722222 |

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|---|---|---|---|
| 0.146 (12/10/2018) | ND<0.1 U (8/2/2018) | (0.146 - 0.1)/(24 - 23) | 0.046 |
| 0.168 (4/15/2019) | ND<0.1 U (8/2/2018) | (0.168 - 0.1)/(25 - 23) | 0.034 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(27 - 23) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (8/2/2018) | (0.105 - 0.1)/(28 - 23) | 0.001 |
| 0.127 (3/30/2020) | ND<0.1 U (8/2/2018) | (0.127 - 0.1)/(29 - 23) | 0.0045 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (8/2/2018) | (0.2 - 0.1)/(32 - 23) | 0.0111111 |
| 0.191 (3/18/2021) | ND<0.1 U (8/2/2018) | (0.191 - 0.1)/(33 - 23) | 0.0091 |
| 0.108 (5/5/2021) | ND<0.1 U (8/2/2018) | (0.108 - 0.1)/(34 - 23) | 0.000727273 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (8/2/2018) | (0.126 - 0.1)/(36 - 23) | 0.002 |
| 0.32 (1/11/2022) | ND<0.1 U (8/2/2018) | (0.32 - 0.1)/(37 - 23) | 0.0157143 |
| 0.122 (4/7/2022) | ND<0.1 U (8/2/2018) | (0.122 - 0.1)/(38 - 23) | 0.00146667 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (8/2/2018) | (0.284 - 0.1)/(41 - 23) | 0.0102222 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(42 - 23) | -0.00263158 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(43 - 23) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(44 - 23) | -0.00238095 |
| 0.166 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.166 - 0.1)/(45 - 23) | 0.003 |
| 0.107 (5/21/2024) | ND<0.1 U (8/2/2018) | (0.107 - 0.1)/(46 - 23) | 0.000304348 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(47 - 23) | -0.00208333 |
| 0.162 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.162 - 0.1)/(48 - 23) | 0.00248 |
| 0.295 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.295 - 0.1)/(49 - 23) | 0.0075 |
| | | | |
| 0.168 (4/15/2019) | 0.146 (12/10/2018) | (0.168 - 0.146)/(25 - 24) | 0.022 |
| ND<0.1 U (6/12/2019) | 0.146 (12/10/2018) | (0.1 - 0.146)/(26 - 24) | -0.023 |
| ND<0.1 U (8/27/2019) | 0.146 (12/10/2018) | (0.1 - 0.146)/(27 - 24) | -0.0153333 |
| 0.105 (10/29/2019) | 0.146 (12/10/2018) | (0.105 - 0.146)/(28 - 24) | -0.01025 |
| 0.127 (3/30/2020) | 0.146 (12/10/2018) | (0.127 - 0.146)/(29 - 24) | -0.0038 |
| ND<0.1 U (6/16/2020) | 0.146 (12/10/2018) | (0.1 - 0.146)/(30 - 24) | -0.00766667 |
| ND<0.1 U (9/21/2020) | 0.146 (12/10/2018) | (0.1 - 0.146)/(31 - 24) | -0.00657143 |
| 0.2 (12/17/2020) | 0.146 (12/10/2018) | (0.2 - 0.146)/(32 - 24) | 0.00675 |
| 0.191 (3/18/2021) | 0.146 (12/10/2018) | (0.191 - 0.146)/(33 - 24) | 0.005 |
| 0.108 (5/5/2021) | 0.146 (12/10/2018) | (0.108 - 0.146)/(34 - 24) | -0.0038 |
| ND<0.1 U (9/2/2021) | 0.146 (12/10/2018) | (0.1 - 0.146)/(35 - 24) | -0.00418182 |
| 0.126 (11/23/2021) | 0.146 (12/10/2018) | (0.126 - 0.146)/(36 - 24) | -0.00166667 |
| 0.32 (1/11/2022) | 0.146 (12/10/2018) | (0.32 - 0.146)/(37 - 24) | 0.0133846 |
| 0.122 (4/7/2022) | 0.146 (12/10/2018) | (0.122 - 0.146)/(38 - 24) | -0.00171429 |
| ND<0.1 U (8/2/2022) | 0.146 (12/10/2018) | (0.1 - 0.146)/(39 - 24) | -0.00306667 |
| ND<0.1 U (11/16/2022) | 0.146 (12/10/2018) | (0.1 - 0.146)/(40 - 24) | -0.002875 |
| 0.284 (2/14/2023) | 0.146 (12/10/2018) | (0.284 - 0.146)/(41 - 24) | 0.00811765 |
| ND<0.05 U (5/25/2023) | 0.146 (12/10/2018) | (0.05 - 0.146)/(42 - 24) | -0.00533333 |
| ND<0.1 U (8/7/2023) | 0.146 (12/10/2018) | (0.1 - 0.146)/(43 - 24) | -0.00242105 |
| ND<0.05 U (12/12/2023) | 0.146 (12/10/2018) | (0.05 - 0.146)/(44 - 24) | -0.0048 |
| 0.166 (1/10/2024) | 0.146 (12/10/2018) | (0.166 - 0.146)/(45 - 24) | 0.000952381 |
| 0.107 (5/21/2024) | 0.146 (12/10/2018) | (0.107 - 0.146)/(46 - 24) | -0.00177273 |
| ND<0.05 U (9/16/2024) | 0.146 (12/10/2018) | (0.05 - 0.146)/(47 - 24) | -0.00417391 |
| 0.162 (12/11/2024) | 0.146 (12/10/2018) | (0.162 - 0.146)/(48 - 24) | 0.000666667 |
| 0.295 (2/18/2025) | 0.146 (12/10/2018) | (0.295 - 0.146)/(49 - 24) | 0.00596 |
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| ND<0.1 U (6/12/2019) | 0.168 (4/15/2019) | (0.1 - 0.168)/(26 - 25) | -0.068 |
| ND<0.1 U (8/27/2019) | 0.168 (4/15/2019) | (0.1 - 0.168)/(27 - 25) | -0.034 |
| 0.105 (10/29/2019) | 0.168 (4/15/2019) | (0.105 - 0.168)/(28 - 25) | -0.021 |

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|---|---|---|---|
| 0.127 (3/30/2020) | 0.168 (4/15/2019) | (0.127 - 0.168)/(29 - 25) | -0.01025 |
| ND<0.1 U (6/16/2020) | 0.168 (4/15/2019) | (0.1 - 0.168)/(30 - 25) | -0.0136 |
| ND<0.1 U (9/21/2020) | 0.168 (4/15/2019) | (0.1 - 0.168)/(31 - 25) | -0.0113333 |
| 0.2 (12/17/2020) | 0.168 (4/15/2019) | (0.2 - 0.168)/(32 - 25) | 0.00457143 |
| 0.191 (3/18/2021) | 0.168 (4/15/2019) | (0.191 - 0.168)/(33 - 25) | 0.002875 |
| 0.108 (5/5/2021) | 0.168 (4/15/2019) | (0.108 - 0.168)/(34 - 25) | -0.00666667 |
| ND<0.1 U (9/2/2021) | 0.168 (4/15/2019) | (0.1 - 0.168)/(35 - 25) | -0.0068 |
| 0.126 (11/23/2021) | 0.168 (4/15/2019) | (0.126 - 0.168)/(36 - 25) | -0.00381818 |
| 0.32 (1/11/2022) | 0.168 (4/15/2019) | (0.32 - 0.168)/(37 - 25) | 0.0126667 |
| 0.122 (4/7/2022) | 0.168 (4/15/2019) | (0.122 - 0.168)/(38 - 25) | -0.00353846 |
| ND<0.1 U (8/2/2022) | 0.168 (4/15/2019) | (0.1 - 0.168)/(39 - 25) | -0.00485714 |
| ND<0.1 U (11/16/2022) | 0.168 (4/15/2019) | (0.1 - 0.168)/(40 - 25) | -0.00453333 |
| 0.284 (2/14/2023) | 0.168 (4/15/2019) | (0.284 - 0.168)/(41 - 25) | 0.00725 |
| ND<0.05 U (5/25/2023) | 0.168 (4/15/2019) | (0.05 - 0.168)/(42 - 25) | -0.00694118 |
| ND<0.1 U (8/7/2023) | 0.168 (4/15/2019) | (0.1 - 0.168)/(43 - 25) | -0.00377778 |
| ND<0.05 U (12/12/2023) | 0.168 (4/15/2019) | (0.05 - 0.168)/(44 - 25) | -0.00621053 |
| 0.166 (1/10/2024) | 0.168 (4/15/2019) | (0.166 - 0.168)/(45 - 25) | -0.0001 |
| 0.107 (5/21/2024) | 0.168 (4/15/2019) | (0.107 - 0.168)/(46 - 25) | -0.00290476 |
| ND<0.05 U (9/16/2024) | 0.168 (4/15/2019) | (0.05 - 0.168)/(47 - 25) | -0.00536364 |
| 0.162 (12/11/2024) | 0.168 (4/15/2019) | (0.162 - 0.168)/(48 - 25) | -0.00026087 |
| 0.295 (2/18/2025) | 0.168 (4/15/2019) | (0.295 - 0.168)/(49 - 25) | 0.00529167 |

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|---|---|---|---|
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| 0.105 (10/29/2019) | ND<0.1 U (6/12/2019) | (0.105 - 0.1)/(28 - 26) | 0.0025 |
| 0.127 (3/30/2020) | ND<0.1 U (6/12/2019) | (0.127 - 0.1)/(29 - 26) | 0.009 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (6/12/2019) | (0.2 - 0.1)/(32 - 26) | 0.0166667 |
| 0.191 (3/18/2021) | ND<0.1 U (6/12/2019) | (0.191 - 0.1)/(33 - 26) | 0.013 |
| 0.108 (5/5/2021) | ND<0.1 U (6/12/2019) | (0.108 - 0.1)/(34 - 26) | 0.001 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (6/12/2019) | (0.126 - 0.1)/(36 - 26) | 0.0026 |
| 0.32 (1/11/2022) | ND<0.1 U (6/12/2019) | (0.32 - 0.1)/(37 - 26) | 0.02 |
| 0.122 (4/7/2022) | ND<0.1 U (6/12/2019) | (0.122 - 0.1)/(38 - 26) | 0.00183333 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (6/12/2019) | (0.284 - 0.1)/(41 - 26) | 0.0122667 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(42 - 26) | -0.003125 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(43 - 26) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(44 - 26) | -0.00277778 |
| 0.166 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.166 - 0.1)/(45 - 26) | 0.00347368 |
| 0.107 (5/21/2024) | ND<0.1 U (6/12/2019) | (0.107 - 0.1)/(46 - 26) | 0.00035 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(47 - 26) | -0.00238095 |
| 0.162 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.162 - 0.1)/(48 - 26) | 0.00281818 |
| 0.295 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.295 - 0.1)/(49 - 26) | 0.00847826 |

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|---|---|---|---|
| 0.105 (10/29/2019) | ND<0.1 U (8/27/2019) | (0.105 - 0.1)/(28 - 27) | 0.005 |
| 0.127 (3/30/2020) | ND<0.1 U (8/27/2019) | (0.127 - 0.1)/(29 - 27) | 0.0135 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (8/27/2019) | (0.2 - 0.1)/(32 - 27) | 0.02 |
| 0.191 (3/18/2021) | ND<0.1 U (8/27/2019) | (0.191 - 0.1)/(33 - 27) | 0.0151667 |
| 0.108 (5/5/2021) | ND<0.1 U (8/27/2019) | (0.108 - 0.1)/(34 - 27) | 0.00114286 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(35 - 27) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (8/27/2019) | (0.126 - 0.1)/(36 - 27) | 0.00288889 |
| 0.32 (1/11/2022) | ND<0.1 U (8/27/2019) | (0.32 - 0.1)/(37 - 27) | 0.022 |
| 0.122 (4/7/2022) | ND<0.1 U (8/27/2019) | (0.122 - 0.1)/(38 - 27) | 0.002 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (8/27/2019) | (0.284 - 0.1)/(41 - 27) | 0.0131429 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(42 - 27) | -0.00333333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(43 - 27) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(44 - 27) | -0.00294118 |
| 0.166 (1/10/2024) | ND<0.1 U (8/27/2019) | (0.166 - 0.1)/(45 - 27) | 0.00366667 |
| 0.107 (5/21/2024) | ND<0.1 U (8/27/2019) | (0.107 - 0.1)/(46 - 27) | 0.000368421 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(47 - 27) | -0.0025 |
| 0.162 (12/11/2024) | ND<0.1 U (8/27/2019) | (0.162 - 0.1)/(48 - 27) | 0.00295238 |
| 0.295 (2/18/2025) | ND<0.1 U (8/27/2019) | (0.295 - 0.1)/(49 - 27) | 0.00886364 |
| | | | |
| 0.127 (3/30/2020) | 0.105 (10/29/2019) | (0.127 - 0.105)/(29 - 28) | 0.022 |
| ND<0.1 U (6/16/2020) | 0.105 (10/29/2019) | (0.1 - 0.105)/(30 - 28) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.105 (10/29/2019) | (0.1 - 0.105)/(31 - 28) | -0.00166667 |
| 0.2 (12/17/2020) | 0.105 (10/29/2019) | (0.2 - 0.105)/(32 - 28) | 0.02375 |
| 0.191 (3/18/2021) | 0.105 (10/29/2019) | (0.191 - 0.105)/(33 - 28) | 0.0172 |
| 0.108 (5/5/2021) | 0.105 (10/29/2019) | (0.108 - 0.105)/(34 - 28) | 0.0005 |
| ND<0.1 U (9/2/2021) | 0.105 (10/29/2019) | (0.1 - 0.105)/(35 - 28) | -0.000714286 |
| 0.126 (11/23/2021) | 0.105 (10/29/2019) | (0.126 - 0.105)/(36 - 28) | 0.002625 |
| 0.32 (1/11/2022) | 0.105 (10/29/2019) | (0.32 - 0.105)/(37 - 28) | 0.0238889 |
| 0.122 (4/7/2022) | 0.105 (10/29/2019) | (0.122 - 0.105)/(38 - 28) | 0.0017 |
| ND<0.1 U (8/2/2022) | 0.105 (10/29/2019) | (0.1 - 0.105)/(39 - 28) | -0.000454545 |
| ND<0.1 U (11/16/2022) | 0.105 (10/29/2019) | (0.1 - 0.105)/(40 - 28) | -0.000416667 |
| 0.284 (2/14/2023) | 0.105 (10/29/2019) | (0.284 - 0.105)/(41 - 28) | 0.0137692 |
| ND<0.05 U (5/25/2023) | 0.105 (10/29/2019) | (0.05 - 0.105)/(42 - 28) | -0.00392857 |
| ND<0.1 U (8/7/2023) | 0.105 (10/29/2019) | (0.1 - 0.105)/(43 - 28) | -0.000333333 |
| ND<0.05 U (12/12/2023) | 0.105 (10/29/2019) | (0.05 - 0.105)/(44 - 28) | -0.0034375 |
| 0.166 (1/10/2024) | 0.105 (10/29/2019) | (0.166 - 0.105)/(45 - 28) | 0.00358824 |
| 0.107 (5/21/2024) | 0.105 (10/29/2019) | (0.107 - 0.105)/(46 - 28) | 0.000111111 |
| ND<0.05 U (9/16/2024) | 0.105 (10/29/2019) | (0.05 - 0.105)/(47 - 28) | -0.00289474 |
| 0.162 (12/11/2024) | 0.105 (10/29/2019) | (0.162 - 0.105)/(48 - 28) | 0.00285 |
| 0.295 (2/18/2025) | 0.105 (10/29/2019) | (0.295 - 0.105)/(49 - 28) | 0.00904762 |
| | | | |
| ND<0.1 U (6/16/2020) | 0.127 (3/30/2020) | (0.1 - 0.127)/(30 - 29) | -0.027 |
| ND<0.1 U (9/21/2020) | 0.127 (3/30/2020) | (0.1 - 0.127)/(31 - 29) | -0.0135 |
| 0.2 (12/17/2020) | 0.127 (3/30/2020) | (0.2 - 0.127)/(32 - 29) | 0.0243333 |
| 0.191 (3/18/2021) | 0.127 (3/30/2020) | (0.191 - 0.127)/(33 - 29) | 0.016 |
| 0.108 (5/5/2021) | 0.127 (3/30/2020) | (0.108 - 0.127)/(34 - 29) | -0.0038 |
| ND<0.1 U (9/2/2021) | 0.127 (3/30/2020) | (0.1 - 0.127)/(35 - 29) | -0.0045 |
| 0.126 (11/23/2021) | 0.127 (3/30/2020) | (0.126 - 0.127)/(36 - 29) | -0.000142857 |
| 0.32 (1/11/2022) | 0.127 (3/30/2020) | (0.32 - 0.127)/(37 - 29) | 0.024125 |
| 0.122 (4/7/2022) | 0.127 (3/30/2020) | (0.122 - 0.127)/(38 - 29) | -0.000555556 |
| ND<0.1 U (8/2/2022) | 0.127 (3/30/2020) | (0.1 - 0.127)/(39 - 29) | -0.0027 |
| ND<0.1 U (11/16/2022) | 0.127 (3/30/2020) | (0.1 - 0.127)/(40 - 29) | -0.00245455 |
| 0.284 (2/14/2023) | 0.127 (3/30/2020) | (0.284 - 0.127)/(41 - 29) | 0.0130833 |
| ND<0.05 U (5/25/2023) | 0.127 (3/30/2020) | (0.05 - 0.127)/(42 - 29) | -0.00592308 |
| ND<0.1 U (8/7/2023) | 0.127 (3/30/2020) | (0.1 - 0.127)/(43 - 29) | -0.00192857 |
| ND<0.05 U (12/12/2023) | 0.127 (3/30/2020) | (0.05 - 0.127)/(44 - 29) | -0.00513333 |
| 0.166 (1/10/2024) | 0.127 (3/30/2020) | (0.166 - 0.127)/(45 - 29) | 0.0024375 |
| 0.107 (5/21/2024) | 0.127 (3/30/2020) | (0.107 - 0.127)/(46 - 29) | -0.00117647 |
| ND<0.05 U (9/16/2024) | 0.127 (3/30/2020) | (0.05 - 0.127)/(47 - 29) | -0.00427778 |
| 0.162 (12/11/2024) | 0.127 (3/30/2020) | (0.162 - 0.127)/(48 - 29) | 0.00184211 |
| 0.295 (2/18/2025) | 0.127 (3/30/2020) | (0.295 - 0.127)/(49 - 29) | 0.0084 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| 0.2 (12/17/2020) | ND<0.1 U (6/16/2020) | (0.2 - 0.1)/(32 - 30) | 0.05 |

| | | | |
|---|---|---|---|
| 0.191 (3/18/2021) | ND<0.1 U (6/16/2020) | (0.191 - 0.1)/(33 - 30) | 0.0303333 |
| 0.108 (5/5/2021) | ND<0.1 U (6/16/2020) | (0.108 - 0.1)/(34 - 30) | 0.002 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (6/16/2020) | (0.126 - 0.1)/(36 - 30) | 0.00433333 |
| 0.32 (1/11/2022) | ND<0.1 U (6/16/2020) | (0.32 - 0.1)/(37 - 30) | 0.0314286 |
| 0.122 (4/7/2022) | ND<0.1 U (6/16/2020) | (0.122 - 0.1)/(38 - 30) | 0.00275 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (6/16/2020) | (0.284 - 0.1)/(41 - 30) | 0.0167273 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/16/2020) | (0.05 - 0.1)/(42 - 30) | -0.00416667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(43 - 30) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (6/16/2020) | (0.05 - 0.1)/(44 - 30) | -0.00357143 |
| 0.166 (1/10/2024) | ND<0.1 U (6/16/2020) | (0.166 - 0.1)/(45 - 30) | 0.0044 |
| 0.107 (5/21/2024) | ND<0.1 U (6/16/2020) | (0.107 - 0.1)/(46 - 30) | 0.0004375 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/16/2020) | (0.05 - 0.1)/(47 - 30) | -0.00294118 |
| 0.162 (12/11/2024) | ND<0.1 U (6/16/2020) | (0.162 - 0.1)/(48 - 30) | 0.00344444 |
| 0.295 (2/18/2025) | ND<0.1 U (6/16/2020) | (0.295 - 0.1)/(49 - 30) | 0.0102632 |
| | | | |
| 0.2 (12/17/2020) | ND<0.1 U (9/21/2020) | (0.2 - 0.1)/(32 - 31) | 0.1 |
| 0.191 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.191 - 0.1)/(33 - 31) | 0.0455 |
| 0.108 (5/5/2021) | ND<0.1 U (9/21/2020) | (0.108 - 0.1)/(34 - 31) | 0.00266667 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| 0.126 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.126 - 0.1)/(36 - 31) | 0.0052 |
| 0.32 (1/11/2022) | ND<0.1 U (9/21/2020) | (0.32 - 0.1)/(37 - 31) | 0.0366667 |
| 0.122 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.122 - 0.1)/(38 - 31) | 0.00314286 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (9/21/2020) | (0.284 - 0.1)/(41 - 31) | 0.0184 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(42 - 31) | -0.00454545 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(43 - 31) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(44 - 31) | -0.00384615 |
| 0.166 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.166 - 0.1)/(45 - 31) | 0.00471429 |
| 0.107 (5/21/2024) | ND<0.1 U (9/21/2020) | (0.107 - 0.1)/(46 - 31) | 0.000466667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(47 - 31) | -0.003125 |
| 0.162 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.162 - 0.1)/(48 - 31) | 0.00364706 |
| 0.295 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.295 - 0.1)/(49 - 31) | 0.0108333 |
| | | | |
| 0.191 (3/18/2021) | 0.2 (12/17/2020) | (0.191 - 0.2)/(33 - 32) | -0.009 |
| 0.108 (5/5/2021) | 0.2 (12/17/2020) | (0.108 - 0.2)/(34 - 32) | -0.046 |
| ND<0.1 U (9/2/2021) | 0.2 (12/17/2020) | (0.1 - 0.2)/(35 - 32) | -0.0333333 |
| 0.126 (11/23/2021) | 0.2 (12/17/2020) | (0.126 - 0.2)/(36 - 32) | -0.0185 |
| 0.32 (1/11/2022) | 0.2 (12/17/2020) | (0.32 - 0.2)/(37 - 32) | 0.024 |
| 0.122 (4/7/2022) | 0.2 (12/17/2020) | (0.122 - 0.2)/(38 - 32) | -0.013 |
| ND<0.1 U (8/2/2022) | 0.2 (12/17/2020) | (0.1 - 0.2)/(39 - 32) | -0.0142857 |
| ND<0.1 U (11/16/2022) | 0.2 (12/17/2020) | (0.1 - 0.2)/(40 - 32) | -0.0125 |
| 0.284 (2/14/2023) | 0.2 (12/17/2020) | (0.284 - 0.2)/(41 - 32) | 0.00933333 |
| ND<0.05 U (5/25/2023) | 0.2 (12/17/2020) | (0.05 - 0.2)/(42 - 32) | -0.015 |
| ND<0.1 U (8/7/2023) | 0.2 (12/17/2020) | (0.1 - 0.2)/(43 - 32) | -0.00909091 |
| ND<0.05 U (12/12/2023) | 0.2 (12/17/2020) | (0.05 - 0.2)/(44 - 32) | -0.0125 |
| 0.166 (1/10/2024) | 0.2 (12/17/2020) | (0.166 - 0.2)/(45 - 32) | -0.00261538 |
| 0.107 (5/21/2024) | 0.2 (12/17/2020) | (0.107 - 0.2)/(46 - 32) | -0.00664286 |
| ND<0.05 U (9/16/2024) | 0.2 (12/17/2020) | (0.05 - 0.2)/(47 - 32) | -0.01 |
| 0.162 (12/11/2024) | 0.2 (12/17/2020) | (0.162 - 0.2)/(48 - 32) | -0.002375 |
| 0.295 (2/18/2025) | 0.2 (12/17/2020) | (0.295 - 0.2)/(49 - 32) | 0.00558824 |
| | | | |
| 0.108 (5/5/2021) | 0.191 (3/18/2021) | (0.108 - 0.191)/(34 - 33) | -0.083 |
| ND<0.1 U (9/2/2021) | 0.191 (3/18/2021) | (0.1 - 0.191)/(35 - 33) | -0.0455 |

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|---|---|---|---|
| 0.126 (11/23/2021) | 0.191 (3/18/2021) | (0.126 - 0.191)/(36 - 33) | -0.0216667 |
| 0.32 (1/11/2022) | 0.191 (3/18/2021) | (0.32 - 0.191)/(37 - 33) | 0.03225 |
| 0.122 (4/7/2022) | 0.191 (3/18/2021) | (0.122 - 0.191)/(38 - 33) | -0.0138 |
| ND<0.1 U (8/2/2022) | 0.191 (3/18/2021) | (0.1 - 0.191)/(39 - 33) | -0.0151667 |
| ND<0.1 U (11/16/2022) | 0.191 (3/18/2021) | (0.1 - 0.191)/(40 - 33) | -0.013 |
| 0.284 (2/14/2023) | 0.191 (3/18/2021) | (0.284 - 0.191)/(41 - 33) | 0.011625 |
| ND<0.05 U (5/25/2023) | 0.191 (3/18/2021) | (0.05 - 0.191)/(42 - 33) | -0.0156667 |
| ND<0.1 U (8/7/2023) | 0.191 (3/18/2021) | (0.1 - 0.191)/(43 - 33) | -0.0091 |
| ND<0.05 U (12/12/2023) | 0.191 (3/18/2021) | (0.05 - 0.191)/(44 - 33) | -0.0128182 |
| 0.166 (1/10/2024) | 0.191 (3/18/2021) | (0.166 - 0.191)/(45 - 33) | -0.00208333 |
| 0.107 (5/21/2024) | 0.191 (3/18/2021) | (0.107 - 0.191)/(46 - 33) | -0.00646154 |
| ND<0.05 U (9/16/2024) | 0.191 (3/18/2021) | (0.05 - 0.191)/(47 - 33) | -0.0100714 |
| 0.162 (12/11/2024) | 0.191 (3/18/2021) | (0.162 - 0.191)/(48 - 33) | -0.00193333 |
| 0.295 (2/18/2025) | 0.191 (3/18/2021) | (0.295 - 0.191)/(49 - 33) | 0.0065 |
| | | | |
| ND<0.1 U (9/2/2021) | 0.108 (5/5/2021) | (0.1 - 0.108)/(35 - 34) | -0.008 |
| 0.126 (11/23/2021) | 0.108 (5/5/2021) | (0.126 - 0.108)/(36 - 34) | 0.009 |
| 0.32 (1/11/2022) | 0.108 (5/5/2021) | (0.32 - 0.108)/(37 - 34) | 0.0706667 |
| 0.122 (4/7/2022) | 0.108 (5/5/2021) | (0.122 - 0.108)/(38 - 34) | 0.0035 |
| ND<0.1 U (8/2/2022) | 0.108 (5/5/2021) | (0.1 - 0.108)/(39 - 34) | -0.0016 |
| ND<0.1 U (11/16/2022) | 0.108 (5/5/2021) | (0.1 - 0.108)/(40 - 34) | -0.00133333 |
| 0.284 (2/14/2023) | 0.108 (5/5/2021) | (0.284 - 0.108)/(41 - 34) | 0.0251429 |
| ND<0.05 U (5/25/2023) | 0.108 (5/5/2021) | (0.05 - 0.108)/(42 - 34) | -0.00725 |
| ND<0.1 U (8/7/2023) | 0.108 (5/5/2021) | (0.1 - 0.108)/(43 - 34) | -0.000888889 |
| ND<0.05 U (12/12/2023) | 0.108 (5/5/2021) | (0.05 - 0.108)/(44 - 34) | -0.0058 |
| 0.166 (1/10/2024) | 0.108 (5/5/2021) | (0.166 - 0.108)/(45 - 34) | 0.00527273 |
| 0.107 (5/21/2024) | 0.108 (5/5/2021) | (0.107 - 0.108)/(46 - 34) | -8.33333e-05 |
| ND<0.05 U (9/16/2024) | 0.108 (5/5/2021) | (0.05 - 0.108)/(47 - 34) | -0.00446154 |
| 0.162 (12/11/2024) | 0.108 (5/5/2021) | (0.162 - 0.108)/(48 - 34) | 0.00385714 |
| 0.295 (2/18/2025) | 0.108 (5/5/2021) | (0.295 - 0.108)/(49 - 34) | 0.0124667 |
| | | | |
| 0.126 (11/23/2021) | ND<0.1 U (9/2/2021) | (0.126 - 0.1)/(36 - 35) | 0.026 |
| 0.32 (1/11/2022) | ND<0.1 U (9/2/2021) | (0.32 - 0.1)/(37 - 35) | 0.11 |
| 0.122 (4/7/2022) | ND<0.1 U (9/2/2021) | (0.122 - 0.1)/(38 - 35) | 0.00733333 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 35) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (9/2/2021) | (0.284 - 0.1)/(41 - 35) | 0.0306667 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/2/2021) | (0.05 - 0.1)/(42 - 35) | -0.00714286 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(43 - 35) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (9/2/2021) | (0.05 - 0.1)/(44 - 35) | -0.00555556 |
| 0.166 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.166 - 0.1)/(45 - 35) | 0.0066 |
| 0.107 (5/21/2024) | ND<0.1 U (9/2/2021) | (0.107 - 0.1)/(46 - 35) | 0.000636364 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/2/2021) | (0.05 - 0.1)/(47 - 35) | -0.00416667 |
| 0.162 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.162 - 0.1)/(48 - 35) | 0.00476923 |
| 0.295 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.295 - 0.1)/(49 - 35) | 0.0139286 |
| | | | |
| 0.32 (1/11/2022) | 0.126 (11/23/2021) | (0.32 - 0.126)/(37 - 36) | 0.194 |
| 0.122 (4/7/2022) | 0.126 (11/23/2021) | (0.122 - 0.126)/(38 - 36) | -0.002 |
| ND<0.1 U (8/2/2022) | 0.126 (11/23/2021) | (0.1 - 0.126)/(39 - 36) | -0.00866667 |
| ND<0.1 U (11/16/2022) | 0.126 (11/23/2021) | (0.1 - 0.126)/(40 - 36) | -0.0065 |
| 0.284 (2/14/2023) | 0.126 (11/23/2021) | (0.284 - 0.126)/(41 - 36) | 0.0316 |
| ND<0.05 U (5/25/2023) | 0.126 (11/23/2021) | (0.05 - 0.126)/(42 - 36) | -0.0126667 |
| ND<0.1 U (8/7/2023) | 0.126 (11/23/2021) | (0.1 - 0.126)/(43 - 36) | -0.00371429 |
| ND<0.05 U (12/12/2023) | 0.126 (11/23/2021) | (0.05 - 0.126)/(44 - 36) | -0.0095 |
| 0.166 (1/10/2024) | 0.126 (11/23/2021) | (0.166 - 0.126)/(45 - 36) | 0.00444444 |
| 0.107 (5/21/2024) | 0.126 (11/23/2021) | (0.107 - 0.126)/(46 - 36) | -0.0019 |
| ND<0.05 U (9/16/2024) | 0.126 (11/23/2021) | (0.05 - 0.126)/(47 - 36) | -0.00690909 |

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|---|---|---|---|
| 0.162 (12/11/2024) | 0.126 (11/23/2021) | (0.162 - 0.126)/(48 - 36) | 0.003 |
| 0.295 (2/18/2025) | 0.126 (11/23/2021) | (0.295 - 0.126)/(49 - 36) | 0.013 |
| | | | |
| 0.122 (4/7/2022) | 0.32 (1/11/2022) | (0.122 - 0.32)/(38 - 37) | -0.198 |
| ND<0.1 U (8/2/2022) | 0.32 (1/11/2022) | (0.1 - 0.32)/(39 - 37) | -0.11 |
| ND<0.1 U (11/16/2022) | 0.32 (1/11/2022) | (0.1 - 0.32)/(40 - 37) | -0.0733333 |
| 0.284 (2/14/2023) | 0.32 (1/11/2022) | (0.284 - 0.32)/(41 - 37) | -0.009 |
| ND<0.05 U (5/25/2023) | 0.32 (1/11/2022) | (0.05 - 0.32)/(42 - 37) | -0.054 |
| ND<0.1 U (8/7/2023) | 0.32 (1/11/2022) | (0.1 - 0.32)/(43 - 37) | -0.0366667 |
| ND<0.05 U (12/12/2023) | 0.32 (1/11/2022) | (0.05 - 0.32)/(44 - 37) | -0.0385714 |
| 0.166 (1/10/2024) | 0.32 (1/11/2022) | (0.166 - 0.32)/(45 - 37) | -0.01925 |
| 0.107 (5/21/2024) | 0.32 (1/11/2022) | (0.107 - 0.32)/(46 - 37) | -0.0236667 |
| ND<0.05 U (9/16/2024) | 0.32 (1/11/2022) | (0.05 - 0.32)/(47 - 37) | -0.027 |
| 0.162 (12/11/2024) | 0.32 (1/11/2022) | (0.162 - 0.32)/(48 - 37) | -0.0143636 |
| 0.295 (2/18/2025) | 0.32 (1/11/2022) | (0.295 - 0.32)/(49 - 37) | -0.00208333 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.122 (4/7/2022) | (0.1 - 0.122)/(39 - 38) | -0.022 |
| ND<0.1 U (11/16/2022) | 0.122 (4/7/2022) | (0.1 - 0.122)/(40 - 38) | -0.011 |
| 0.284 (2/14/2023) | 0.122 (4/7/2022) | (0.284 - 0.122)/(41 - 38) | 0.054 |
| ND<0.05 U (5/25/2023) | 0.122 (4/7/2022) | (0.05 - 0.122)/(42 - 38) | -0.018 |
| ND<0.1 U (8/7/2023) | 0.122 (4/7/2022) | (0.1 - 0.122)/(43 - 38) | -0.0044 |
| ND<0.05 U (12/12/2023) | 0.122 (4/7/2022) | (0.05 - 0.122)/(44 - 38) | -0.012 |
| 0.166 (1/10/2024) | 0.122 (4/7/2022) | (0.166 - 0.122)/(45 - 38) | 0.00628571 |
| 0.107 (5/21/2024) | 0.122 (4/7/2022) | (0.107 - 0.122)/(46 - 38) | -0.001875 |
| ND<0.05 U (9/16/2024) | 0.122 (4/7/2022) | (0.05 - 0.122)/(47 - 38) | -0.008 |
| 0.162 (12/11/2024) | 0.122 (4/7/2022) | (0.162 - 0.122)/(48 - 38) | 0.004 |
| 0.295 (2/18/2025) | 0.122 (4/7/2022) | (0.295 - 0.122)/(49 - 38) | 0.0157273 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| 0.284 (2/14/2023) | ND<0.1 U (8/2/2022) | (0.284 - 0.1)/(41 - 39) | 0.092 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(42 - 39) | -0.0166667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(43 - 39) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(44 - 39) | -0.01 |
| 0.166 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.166 - 0.1)/(45 - 39) | 0.011 |
| 0.107 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.107 - 0.1)/(46 - 39) | 0.001 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(47 - 39) | -0.00625 |
| 0.162 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.162 - 0.1)/(48 - 39) | 0.00688889 |
| 0.295 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.295 - 0.1)/(49 - 39) | 0.0195 |
| | | | |
| 0.284 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.284 - 0.1)/(41 - 40) | 0.184 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(42 - 40) | -0.025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(43 - 40) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(44 - 40) | -0.0125 |
| 0.166 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.166 - 0.1)/(45 - 40) | 0.0132 |
| 0.107 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.107 - 0.1)/(46 - 40) | 0.00116667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(47 - 40) | -0.00714286 |
| 0.162 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.162 - 0.1)/(48 - 40) | 0.00775 |
| 0.295 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.295 - 0.1)/(49 - 40) | 0.0216667 |
| | | | |
| ND<0.05 U (5/25/2023) | 0.284 (2/14/2023) | (0.05 - 0.284)/(42 - 41) | -0.234 |
| ND<0.1 U (8/7/2023) | 0.284 (2/14/2023) | (0.1 - 0.284)/(43 - 41) | -0.092 |
| ND<0.05 U (12/12/2023) | 0.284 (2/14/2023) | (0.05 - 0.284)/(44 - 41) | -0.078 |
| 0.166 (1/10/2024) | 0.284 (2/14/2023) | (0.166 - 0.284)/(45 - 41) | -0.0295 |
| 0.107 (5/21/2024) | 0.284 (2/14/2023) | (0.107 - 0.284)/(46 - 41) | -0.0354 |
| ND<0.05 U (9/16/2024) | 0.284 (2/14/2023) | (0.05 - 0.284)/(47 - 41) | -0.039 |
| 0.162 (12/11/2024) | 0.284 (2/14/2023) | (0.162 - 0.284)/(48 - 41) | -0.0174286 |
| 0.295 (2/18/2025) | 0.284 (2/14/2023) | (0.295 - 0.284)/(49 - 41) | 0.001375 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/7/2023) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(43 - 42) | 0.05 |
| ND<0.05 U (12/12/2023) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(44 - 42) | 0 |
| 0.166 (1/10/2024) | ND<0.05 U (5/25/2023) | (0.166 - 0.05)/(45 - 42) | 0.0386667 |
| 0.107 (5/21/2024) | ND<0.05 U (5/25/2023) | (0.107 - 0.05)/(46 - 42) | 0.01425 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(47 - 42) | 0 |
| 0.162 (12/11/2024) | ND<0.05 U (5/25/2023) | (0.162 - 0.05)/(48 - 42) | 0.0186667 |
| 0.295 (2/18/2025) | ND<0.05 U (5/25/2023) | (0.295 - 0.05)/(49 - 42) | 0.035 |
| | | | |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(44 - 43) | -0.05 |
| 0.166 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.166 - 0.1)/(45 - 43) | 0.033 |
| 0.107 (5/21/2024) | ND<0.1 U (8/7/2023) | (0.107 - 0.1)/(46 - 43) | 0.00233333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(47 - 43) | -0.0125 |
| 0.162 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.162 - 0.1)/(48 - 43) | 0.0124 |
| 0.295 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.295 - 0.1)/(49 - 43) | 0.0325 |
| | | | |
| 0.166 (1/10/2024) | ND<0.05 U (12/12/2023) | (0.166 - 0.05)/(45 - 44) | 0.116 |
| 0.107 (5/21/2024) | ND<0.05 U (12/12/2023) | (0.107 - 0.05)/(46 - 44) | 0.0285 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (12/12/2023) | (0.05 - 0.05)/(47 - 44) | 0 |
| 0.162 (12/11/2024) | ND<0.05 U (12/12/2023) | (0.162 - 0.05)/(48 - 44) | 0.028 |
| 0.295 (2/18/2025) | ND<0.05 U (12/12/2023) | (0.295 - 0.05)/(49 - 44) | 0.049 |
| | | | |
| 0.107 (5/21/2024) | 0.166 (1/10/2024) | (0.107 - 0.166)/(46 - 45) | -0.059 |
| ND<0.05 U (9/16/2024) | 0.166 (1/10/2024) | (0.05 - 0.166)/(47 - 45) | -0.058 |
| 0.162 (12/11/2024) | 0.166 (1/10/2024) | (0.162 - 0.166)/(48 - 45) | -0.00133333 |
| 0.295 (2/18/2025) | 0.166 (1/10/2024) | (0.295 - 0.166)/(49 - 45) | 0.03225 |
| | | | |
| ND<0.05 U (9/16/2024) | 0.107 (5/21/2024) | (0.05 - 0.107)/(47 - 46) | -0.057 |
| 0.162 (12/11/2024) | 0.107 (5/21/2024) | (0.162 - 0.107)/(48 - 46) | 0.0275 |
| 0.295 (2/18/2025) | 0.107 (5/21/2024) | (0.295 - 0.107)/(49 - 46) | 0.0626667 |
| | | | |
| 0.162 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.162 - 0.05)/(48 - 47) | 0.112 |
| 0.295 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.295 - 0.05)/(49 - 47) | 0.1225 |
| | | | |
| 0.295 (2/18/2025) | 0.162 (12/11/2024) | (0.295 - 0.162)/(49 - 48) | 0.133 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.29 |
| 2 | -0.234 |
| 3 | -0.23 |
| 4 | -0.198 |
| 5 | -0.16 |
| 6 | -0.148 |
| 7 | -0.145 |
| 8 | -0.14 |
| 9 | -0.115 |
| 10 | -0.11 |
| 11 | -0.11 |
| 12 | -0.1 |
| 13 | -0.0966667 |
| 14 | -0.092 |
| 15 | -0.083 |
| 16 | -0.08 |

| | |
|---|---|
| 17 | -0.08 |
| 18 | -0.078 |
| 19 | -0.0766667 |
| 20 | -0.074 |
| 21 | -0.0733333 |
| 22 | -0.07 |
| 23 | -0.07 |
| 24 | -0.068 |
| 25 | -0.06 |
| 26 | -0.059 |
| 27 | -0.058 |
| 28 | -0.057 |
| 29 | -0.054 |
| 30 | -0.0533333 |
| 31 | -0.05 |
| 32 | -0.05 |
| 33 | -0.0483333 |
| 34 | -0.048 |
| 35 | -0.0466667 |
| 36 | -0.0466667 |
| 37 | -0.046 |
| 38 | -0.046 |
| 39 | -0.0455 |
| 40 | -0.04 |
| 41 | -0.039 |
| 42 | -0.0385714 |
| 43 | -0.0383333 |
| 44 | -0.0366667 |
| 45 | -0.0354 |
| 46 | -0.035 |
| 47 | -0.035 |
| 48 | -0.034 |
| 49 | -0.034 |
| 50 | -0.0333333 |
| 51 | -0.0333333 |
| 52 | -0.0325 |
| 53 | -0.0322222 |
| 54 | -0.032 |
| 55 | -0.032 |
| 56 | -0.0296 |
| 57 | -0.0295 |
| 58 | -0.029 |
| 59 | -0.0285714 |
| 60 | -0.027 |
| 61 | -0.027 |
| 62 | -0.0266667 |
| 63 | -0.0266667 |
| 64 | -0.0263636 |
| 65 | -0.0262857 |
| 66 | -0.0255556 |
| 67 | -0.025 |
| 68 | -0.0246667 |
| 69 | -0.0236667 |
| 70 | -0.0233333 |
| 71 | -0.023 |
| 72 | -0.023 |
| 73 | -0.0228571 |

| | |
|---|---|
| 74 | -0.0228571 |
| 75 | -0.0223077 |
| 76 | -0.022 |
| 77 | -0.0216667 |
| 78 | -0.0214286 |
| 79 | -0.021 |
| 80 | -0.0207143 |
| 81 | -0.0205 |
| 82 | -0.0204545 |
| 83 | -0.0204286 |
| 84 | -0.02025 |
| 85 | -0.02 |
| 86 | -0.02 |
| 87 | -0.02 |
| 88 | -0.02 |
| 89 | -0.02 |
| 90 | -0.0193333 |
| 91 | -0.01925 |
| 92 | -0.0185 |
| 93 | -0.018 |
| 94 | -0.0177778 |
| 95 | -0.0177778 |
| 96 | -0.0176923 |
| 97 | -0.0175 |
| 98 | -0.0174286 |
| 99 | -0.0170588 |
| 100 | -0.0169167 |
| 101 | -0.0166667 |
| 102 | -0.0166667 |
| 103 | -0.0164444 |
| 104 | -0.0164286 |
| 105 | -0.01625 |
| 106 | -0.0161111 |
| 107 | -0.016 |
| 108 | -0.016 |
| 109 | -0.0156667 |
| 110 | -0.0153846 |
| 111 | -0.0153333 |
| 112 | -0.0151667 |
| 113 | -0.015125 |
| 114 | -0.015 |
| 115 | -0.015 |
| 116 | -0.015 |
| 117 | -0.0148 |
| 118 | -0.0145455 |
| 119 | -0.0143636 |
| 120 | -0.0142857 |
| 121 | -0.0142857 |
| 122 | -0.014 |
| 123 | -0.014 |
| 124 | -0.0138095 |
| 125 | -0.0138 |
| 126 | -0.0136 |
| 127 | -0.0135 |
| 128 | -0.0133333 |
| 129 | -0.0131818 |
| 130 | -0.0130588 |

| | |
|---|---|
| 131 | -0.013 |
| 132 | -0.013 |
| 133 | -0.0128421 |
| 134 | -0.0128182 |
| 135 | -0.0127778 |
| 136 | -0.0127273 |
| 137 | -0.0127273 |
| 138 | -0.0126667 |
| 139 | -0.0125 |
| 140 | -0.0125 |
| 141 | -0.0125 |
| 142 | -0.0125 |
| 143 | -0.0125 |
| 144 | -0.0123913 |
| 145 | -0.0123077 |
| 146 | -0.0123077 |
| 147 | -0.012 |
| 148 | -0.012 |
| 149 | -0.0117647 |
| 150 | -0.0116667 |
| 151 | -0.0116 |
| 152 | -0.0114286 |
| 153 | -0.0114286 |
| 154 | -0.0113333 |
| 155 | -0.0112 |
| 156 | -0.0111538 |
| 157 | -0.0111111 |
| 158 | -0.0111 |
| 159 | -0.011 |
| 160 | -0.0109583 |
| 161 | -0.0107692 |
| 162 | -0.0107368 |
| 163 | -0.0105714 |
| 164 | -0.0105263 |
| 165 | -0.0104545 |
| 166 | -0.0103704 |
| 167 | -0.0103636 |
| 168 | -0.0103333 |
| 169 | -0.01025 |
| 170 | -0.01025 |
| 171 | -0.0100714 |
| 172 | -0.01 |
| 173 | -0.01 |
| 174 | -0.01 |
| 175 | -0.01 |
| 176 | -0.01 |
| 177 | -0.01 |
| 178 | -0.01 |
| 179 | -0.00990476 |
| 180 | -0.00972414 |
| 181 | -0.00966667 |
| 182 | -0.00952381 |
| 183 | -0.0095 |
| 184 | -0.00942857 |
| 185 | -0.00941176 |
| 186 | -0.00941176 |
| 187 | -0.00933333 |

| | |
|---|---|
| 188 | -0.00933333 |
| 189 | -0.00933333 |
| 190 | -0.00918919 |
| 191 | -0.0091 |
| 192 | -0.00909091 |
| 193 | -0.00909091 |
| 194 | -0.009 |
| 195 | -0.009 |
| 196 | -0.00888889 |
| 197 | -0.00888889 |
| 198 | -0.008875 |
| 199 | -0.00884615 |
| 200 | -0.00875 |
| 201 | -0.00871795 |
| 202 | -0.0086875 |
| 203 | -0.00866667 |
| 204 | -0.00866667 |
| 205 | -0.0086087 |
| 206 | -0.00852941 |
| 207 | -0.00851613 |
| 208 | -0.0084375 |
| 209 | -0.00833333 |
| 210 | -0.0083125 |
| 211 | -0.00828571 |
| 212 | -0.00822222 |
| 213 | -0.00815789 |
| 214 | -0.00813333 |
| 215 | -0.00812121 |
| 216 | -0.00809524 |
| 217 | -0.008 |
| 218 | -0.008 |
| 219 | -0.008 |
| 220 | -0.00783333 |
| 221 | -0.00778947 |
| 222 | -0.00777778 |
| 223 | -0.00777778 |
| 224 | -0.00769231 |
| 225 | -0.00768966 |
| 226 | -0.00766667 |
| 227 | -0.00766667 |
| 228 | -0.00763158 |
| 229 | -0.00761905 |
| 230 | -0.00761538 |
| 231 | -0.0076 |
| 232 | -0.00741176 |
| 233 | -0.00736842 |
| 234 | -0.00736842 |
| 235 | -0.00727273 |
| 236 | -0.00727273 |
| 237 | -0.00725 |
| 238 | -0.00724138 |
| 239 | -0.0072381 |
| 240 | -0.00722222 |
| 241 | -0.00714286 |
| 242 | -0.00714286 |
| 243 | -0.00710714 |
| 244 | -0.00703704 |

| | |
|---|---|
| 245 | -0.00694118 |
| 246 | -0.00690909 |
| 247 | -0.00690244 |
| 248 | -0.00689655 |
| 249 | -0.0068 |
| 250 | -0.00677419 |
| 251 | -0.00672727 |
| 252 | -0.00669565 |
| 253 | -0.00666667 |
| 254 | -0.00666667 |
| 255 | -0.00666667 |
| 256 | -0.00666667 |
| 257 | -0.00665 |
| 258 | -0.00664706 |
| 259 | -0.00664286 |
| 260 | -0.00657143 |
| 261 | -0.0065 |
| 262 | -0.00646154 |
| 263 | -0.00636364 |
| 264 | -0.00636364 |
| 265 | -0.00633333 |
| 266 | -0.00625 |
| 267 | -0.00625 |
| 268 | -0.00621053 |
| 269 | -0.00617857 |
| 270 | -0.00617647 |
| 271 | -0.00615385 |
| 272 | -0.00615385 |
| 273 | -0.00609756 |
| 274 | -0.00608696 |
| 275 | -0.00608696 |
| 276 | -0.00608 |
| 277 | -0.006 |
| 278 | -0.006 |
| 279 | -0.0059375 |
| 280 | -0.00592593 |
| 281 | -0.00592308 |
| 282 | -0.00588235 |
| 283 | -0.00585714 |
| 284 | -0.00582609 |
| 285 | -0.00581818 |
| 286 | -0.00581395 |
| 287 | -0.0058 |
| 288 | -0.00575 |
| 289 | -0.00564 |
| 290 | -0.005625 |
| 291 | -0.0056 |
| 292 | -0.00555556 |
| 293 | -0.00555556 |
| 294 | -0.00553846 |
| 295 | -0.00552632 |
| 296 | -0.00552 |
| 297 | -0.0055 |
| 298 | -0.00545455 |
| 299 | -0.00543478 |
| 300 | -0.00542857 |
| 301 | -0.00541935 |

| | |
|---|---|
| 302 | -0.00538462 |
| 303 | -0.00536364 |
| 304 | -0.00533333 |
| 305 | -0.00533333 |
| 306 | -0.00533333 |
| 307 | -0.00530233 |
| 308 | -0.00526316 |
| 309 | -0.00518519 |
| 310 | -0.00518519 |
| 311 | -0.00516129 |
| 312 | -0.00513333 |
| 313 | -0.00512821 |
| 314 | -0.005 |
| 315 | -0.005 |
| 316 | -0.005 |
| 317 | -0.005 |
| 318 | -0.005 |
| 319 | -0.005 |
| 320 | -0.00497143 |
| 321 | -0.00496296 |
| 322 | -0.00485714 |
| 323 | -0.00481081 |
| 324 | -0.0048 |
| 325 | -0.0047619 |
| 326 | -0.00475862 |
| 327 | -0.00475 |
| 328 | -0.00475 |
| 329 | -0.00475 |
| 330 | -0.00470588 |
| 331 | -0.0047 |
| 332 | -0.00463636 |
| 333 | -0.00461538 |
| 334 | -0.00454545 |
| 335 | -0.00453846 |
| 336 | -0.00453333 |
| 337 | -0.00452 |
| 338 | -0.00451613 |
| 339 | -0.00451613 |
| 340 | -0.0045 |
| 341 | -0.00446154 |
| 342 | -0.0044186 |
| 343 | -0.0044 |
| 344 | -0.0044 |
| 345 | -0.00436364 |
| 346 | -0.00428889 |
| 347 | -0.00428571 |
| 348 | -0.00427778 |
| 349 | -0.00418182 |
| 350 | -0.00417391 |
| 351 | -0.00416667 |
| 352 | -0.00416667 |
| 353 | -0.00416667 |
| 354 | -0.00413514 |
| 355 | -0.004 |
| 356 | -0.00392857 |
| 357 | -0.00391176 |
| 358 | -0.00388889 |

| | |
|---|---|
| 359 | -0.00384615 |
| 360 | -0.00384615 |
| 361 | -0.00381818 |
| 362 | -0.0038 |
| 363 | -0.0038 |
| 364 | -0.0038 |
| 365 | -0.00377778 |
| 366 | -0.00375 |
| 367 | -0.00371429 |
| 368 | -0.00358974 |
| 369 | -0.00357143 |
| 370 | -0.0035625 |
| 371 | -0.00353846 |
| 372 | -0.00352941 |
| 373 | -0.00347059 |
| 374 | -0.00345 |
| 375 | -0.0034375 |
| 376 | -0.00342857 |
| 377 | -0.00341667 |
| 378 | -0.00340625 |
| 379 | -0.00333333 |
| 380 | -0.00333333 |
| 381 | -0.00333333 |
| 382 | -0.00322581 |
| 383 | -0.00318519 |
| 384 | -0.00316667 |
| 385 | -0.00315789 |
| 386 | -0.003125 |
| 387 | -0.003125 |
| 388 | -0.003125 |
| 389 | -0.003125 |
| 390 | -0.00306667 |
| 391 | -0.00304545 |
| 392 | -0.003 |
| 393 | -0.00294444 |
| 394 | -0.00294118 |
| 395 | -0.00294118 |
| 396 | -0.00294118 |
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| 1173 | 0.16 |
| 1174 | 0.184 |
| 1175 | 0.194 |
| 1176 | 0.23 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 21 |
| 2 | 0.24 | 2 |
| 3 | 0.26 | 2 |
| 4 | 0.05 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |

| | |
|---|---|
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 19842
B = 0
C = 7986
D = 0
E = 430
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12356.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 182.84
M1 = (1176 - 182.84)/2.0 = 496.58
M2 = (1176 + 182.84)/2.0 + 1 = 680.42
Lower limit is -0.00133333 = Q(497)
Upper limit is 0 = Q(680)
-0.00133333 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.17 (5/20/2013) | 0.2 (3/13/2013) | (0.17 - 0.2)/(2 - 1) | -0.03 |
| ND<0.1 U (9/23/2013) | 0.2 (3/13/2013) | (0.1 - 0.2)/(3 - 1) | -0.05 |
| ND<0.1 U (12/10/2013) | 0.2 (3/13/2013) | (0.1 - 0.2)/(4 - 1) | -0.0333333 |
| 0.25 (2/6/2014) | 0.2 (3/13/2013) | (0.25 - 0.2)/(5 - 1) | 0.0125 |
| ND<0.1 U (6/26/2014) | 0.2 (3/13/2013) | (0.1 - 0.2)/(6 - 1) | -0.02 |
| ND<0.1 U (9/30/2014) | 0.2 (3/13/2013) | (0.1 - 0.2)/(7 - 1) | -0.0166667 |
| 0.12 (11/19/2014) | 0.2 (3/13/2013) | (0.12 - 0.2)/(8 - 1) | -0.0114286 |
| 0.24 (3/23/2015) | 0.2 (3/13/2013) | (0.24 - 0.2)/(9 - 1) | 0.005 |
| 0.15 (4/22/2015) | 0.2 (3/13/2013) | (0.15 - 0.2)/(10 - 1) | -0.00555556 |
| 0.13 (9/30/2015) | 0.2 (3/13/2013) | (0.13 - 0.2)/(11 - 1) | -0.007 |
| 0.25 (11/19/2015) | 0.2 (3/13/2013) | (0.25 - 0.2)/(12 - 1) | 0.00454545 |
| 0.3 (3/15/2016) | 0.2 (3/13/2013) | (0.3 - 0.2)/(13 - 1) | 0.00833333 |
| ND<0.1 U (6/29/2016) | 0.2 (3/13/2013) | (0.1 - 0.2)/(14 - 1) | -0.00769231 |
| ND<0.1 U (8/9/2016) | 0.2 (3/13/2013) | (0.1 - 0.2)/(15 - 1) | -0.00714286 |
| ND<0.1 U (12/7/2016) | 0.2 (3/13/2013) | (0.1 - 0.2)/(16 - 1) | -0.00666667 |
| 0.27 (3/2/2017) | 0.2 (3/13/2013) | (0.27 - 0.2)/(17 - 1) | 0.004375 |
| ND<0.1 U (7/5/2017) | 0.2 (3/13/2013) | (0.1 - 0.2)/(18 - 1) | -0.00588235 |
| ND<0.1 U (8/16/2017) | 0.2 (3/13/2013) | (0.1 - 0.2)/(19 - 1) | -0.00555556 |
| ND<0.1 U (10/25/2017) | 0.2 (3/13/2013) | (0.1 - 0.2)/(20 - 1) | -0.00526316 |
| 0.22 (3/28/2018) | 0.2 (3/13/2013) | (0.22 - 0.2)/(21 - 1) | 0.001 |
| ND<0.1 U (6/29/2018) | 0.2 (3/13/2013) | (0.1 - 0.2)/(22 - 1) | -0.0047619 |
| ND<0.1 U (8/2/2018) | 0.2 (3/13/2013) | (0.1 - 0.2)/(23 - 1) | -0.00454545 |
| ND<0.1 U (12/10/2018) | 0.2 (3/13/2013) | (0.1 - 0.2)/(24 - 1) | -0.00434783 |
| 0.234 (4/15/2019) | 0.2 (3/13/2013) | (0.234 - 0.2)/(25 - 1) | 0.00141667 |
| ND<0.1 U (6/12/2019) | 0.2 (3/13/2013) | (0.1 - 0.2)/(26 - 1) | -0.004 |
| ND<0.1 U (8/27/2019) | 0.2 (3/13/2013) | (0.1 - 0.2)/(27 - 1) | -0.00384615 |
| ND<0.1 U (10/29/2019) | 0.2 (3/13/2013) | (0.1 - 0.2)/(28 - 1) | -0.0037037 |
| 0.24 (3/30/2020) | 0.2 (3/13/2013) | (0.24 - 0.2)/(29 - 1) | 0.00142857 |
| ND<0.1 U (6/16/2020) | 0.2 (3/13/2013) | (0.1 - 0.2)/(30 - 1) | -0.00344828 |
| ND<0.1 U (9/21/2020) | 0.2 (3/13/2013) | (0.1 - 0.2)/(31 - 1) | -0.00333333 |
| ND<0.1 U (9/2/2021) | 0.2 (3/13/2013) | (0.1 - 0.2)/(32 - 1) | -0.00322581 |
| 0.39 (1/11/2022) | 0.2 (3/13/2013) | (0.39 - 0.2)/(33 - 1) | 0.0059375 |
| 0.181 (4/7/2022) | 0.2 (3/13/2013) | (0.181 - 0.2)/(34 - 1) | -0.000575758 |
| ND<0.1 U (8/2/2022) | 0.2 (3/13/2013) | (0.1 - 0.2)/(35 - 1) | -0.00294118 |
| ND<0.1 U (11/16/2022) | 0.2 (3/13/2013) | (0.1 - 0.2)/(36 - 1) | -0.00285714 |
| 0.325 (2/14/2023) | 0.2 (3/13/2013) | (0.325 - 0.2)/(37 - 1) | 0.00347222 |
| ND<0.05 U (5/25/2023) | 0.2 (3/13/2013) | (0.05 - 0.2)/(38 - 1) | -0.00405405 |
| ND<0.1 U (8/7/2023) | 0.2 (3/13/2013) | (0.1 - 0.2)/(39 - 1) | -0.00263158 |
| 0.103 (12/12/2023) | 0.2 (3/13/2013) | (0.103 - 0.2)/(40 - 1) | -0.00248718 |
| 0.348 (1/10/2024) | 0.2 (3/13/2013) | (0.348 - 0.2)/(41 - 1) | 0.0037 |
| ND<0.1 U (5/21/2024) | 0.2 (3/13/2013) | (0.1 - 0.2)/(42 - 1) | -0.00243902 |
| ND<0.05 U (9/16/2024) | 0.2 (3/13/2013) | (0.05 - 0.2)/(43 - 1) | -0.00357143 |
| 0.146 (12/11/2024) | 0.2 (3/13/2013) | (0.146 - 0.2)/(44 - 1) | -0.00125581 |
| 0.258 (2/18/2025) | 0.2 (3/13/2013) | (0.258 - 0.2)/(45 - 1) | 0.00131818 |
| | | | |
| ND<0.1 U (9/23/2013) | 0.17 (5/20/2013) | (0.1 - 0.17)/(3 - 2) | -0.07 |
| ND<0.1 U (12/10/2013) | 0.17 (5/20/2013) | (0.1 - 0.17)/(4 - 2) | -0.035 |
| 0.25 (2/6/2014) | 0.17 (5/20/2013) | (0.25 - 0.17)/(5 - 2) | 0.0266667 |

| | | | |
|---|---|---|---|
| ND<0.1 U (6/26/2014) | 0.17 (5/20/2013) | (0.1 - 0.17)/(6 - 2) | -0.0175 |
| ND<0.1 U (9/30/2014) | 0.17 (5/20/2013) | (0.1 - 0.17)/(7 - 2) | -0.014 |
| 0.12 (11/19/2014) | 0.17 (5/20/2013) | (0.12 - 0.17)/(8 - 2) | -0.00833333 |
| 0.24 (3/23/2015) | 0.17 (5/20/2013) | (0.24 - 0.17)/(9 - 2) | 0.01 |
| 0.15 (4/22/2015) | 0.17 (5/20/2013) | (0.15 - 0.17)/(10 - 2) | -0.0025 |
| 0.13 (9/30/2015) | 0.17 (5/20/2013) | (0.13 - 0.17)/(11 - 2) | -0.00444444 |
| 0.25 (11/19/2015) | 0.17 (5/20/2013) | (0.25 - 0.17)/(12 - 2) | 0.008 |
| 0.3 (3/15/2016) | 0.17 (5/20/2013) | (0.3 - 0.17)/(13 - 2) | 0.0118182 |
| ND<0.1 U (6/29/2016) | 0.17 (5/20/2013) | (0.1 - 0.17)/(14 - 2) | -0.00583333 |
| ND<0.1 U (8/9/2016) | 0.17 (5/20/2013) | (0.1 - 0.17)/(15 - 2) | -0.00538462 |
| ND<0.1 U (12/7/2016) | 0.17 (5/20/2013) | (0.1 - 0.17)/(16 - 2) | -0.005 |
| 0.27 (3/2/2017) | 0.17 (5/20/2013) | (0.27 - 0.17)/(17 - 2) | 0.00666667 |
| ND<0.1 U (7/5/2017) | 0.17 (5/20/2013) | (0.1 - 0.17)/(18 - 2) | -0.004375 |
| ND<0.1 U (8/16/2017) | 0.17 (5/20/2013) | (0.1 - 0.17)/(19 - 2) | -0.00411765 |
| ND<0.1 U (10/25/2017) | 0.17 (5/20/2013) | (0.1 - 0.17)/(20 - 2) | -0.00388889 |
| 0.22 (3/28/2018) | 0.17 (5/20/2013) | (0.22 - 0.17)/(21 - 2) | 0.00263158 |
| ND<0.1 U (6/29/2018) | 0.17 (5/20/2013) | (0.1 - 0.17)/(22 - 2) | -0.0035 |
| ND<0.1 U (8/2/2018) | 0.17 (5/20/2013) | (0.1 - 0.17)/(23 - 2) | -0.00333333 |
| ND<0.1 U (12/10/2018) | 0.17 (5/20/2013) | (0.1 - 0.17)/(24 - 2) | -0.00318182 |
| 0.234 (4/15/2019) | 0.17 (5/20/2013) | (0.234 - 0.17)/(25 - 2) | 0.00278261 |
| ND<0.1 U (6/12/2019) | 0.17 (5/20/2013) | (0.1 - 0.17)/(26 - 2) | -0.00291667 |
| ND<0.1 U (8/27/2019) | 0.17 (5/20/2013) | (0.1 - 0.17)/(27 - 2) | -0.0028 |
| ND<0.1 U (10/29/2019) | 0.17 (5/20/2013) | (0.1 - 0.17)/(28 - 2) | -0.00269231 |
| 0.24 (3/30/2020) | 0.17 (5/20/2013) | (0.24 - 0.17)/(29 - 2) | 0.00259259 |
| ND<0.1 U (6/16/2020) | 0.17 (5/20/2013) | (0.1 - 0.17)/(30 - 2) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.17 (5/20/2013) | (0.1 - 0.17)/(31 - 2) | -0.00241379 |
| ND<0.1 U (9/2/2021) | 0.17 (5/20/2013) | (0.1 - 0.17)/(32 - 2) | -0.00233333 |
| 0.39 (1/11/2022) | 0.17 (5/20/2013) | (0.39 - 0.17)/(33 - 2) | 0.00709677 |
| 0.181 (4/7/2022) | 0.17 (5/20/2013) | (0.181 - 0.17)/(34 - 2) | 0.00034375 |
| ND<0.1 U (8/2/2022) | 0.17 (5/20/2013) | (0.1 - 0.17)/(35 - 2) | -0.00212121 |
| ND<0.1 U (11/16/2022) | 0.17 (5/20/2013) | (0.1 - 0.17)/(36 - 2) | -0.00205882 |
| 0.325 (2/14/2023) | 0.17 (5/20/2013) | (0.325 - 0.17)/(37 - 2) | 0.00442857 |
| ND<0.05 U (5/25/2023) | 0.17 (5/20/2013) | (0.05 - 0.17)/(38 - 2) | -0.00333333 |
| ND<0.1 U (8/7/2023) | 0.17 (5/20/2013) | (0.1 - 0.17)/(39 - 2) | -0.00189189 |
| 0.103 (12/12/2023) | 0.17 (5/20/2013) | (0.103 - 0.17)/(40 - 2) | -0.00176316 |
| 0.348 (1/10/2024) | 0.17 (5/20/2013) | (0.348 - 0.17)/(41 - 2) | 0.0045641 |
| ND<0.1 U (5/21/2024) | 0.17 (5/20/2013) | (0.1 - 0.17)/(42 - 2) | -0.00175 |
| ND<0.05 U (9/16/2024) | 0.17 (5/20/2013) | (0.05 - 0.17)/(43 - 2) | -0.00292683 |
| 0.146 (12/11/2024) | 0.17 (5/20/2013) | (0.146 - 0.17)/(44 - 2) | -0.000571429 |
| 0.258 (2/18/2025) | 0.17 (5/20/2013) | (0.258 - 0.17)/(45 - 2) | 0.00204651 |

| | | | |
|---|---|---|---|
| ND<0.1 U (12/10/2013) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(4 - 3) | 0 |
| 0.25 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(5 - 3) | 0.075 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(8 - 3) | 0.004 |
| 0.24 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(9 - 3) | 0.0233333 |
| 0.15 (4/22/2015) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(10 - 3) | 0.00714286 |
| 0.13 (9/30/2015) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(11 - 3) | 0.00375 |
| 0.25 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(12 - 3) | 0.0166667 |
| 0.3 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.3 - 0.1)/(13 - 3) | 0.02 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| 0.27 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.27 - 0.1)/(17 - 3) | 0.0121429 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(21 - 3) | 0.00666667 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (9/23/2013) | (0.234 - 0.1)/(25 - 3) | 0.00609091 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(29 - 3) | 0.00538462 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (9/23/2013) | (0.39 - 0.1)/(33 - 3) | 0.00966667 |
| 0.181 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.181 - 0.1)/(34 - 3) | 0.0026129 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (9/23/2013) | (0.325 - 0.1)/(37 - 3) | 0.00661765 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(38 - 3) | -0.00142857 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.103 - 0.1)/(40 - 3) | 8.10811e-05 |
| 0.348 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.348 - 0.1)/(41 - 3) | 0.00652632 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(42 - 3) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/23/2013) | (0.05 - 0.1)/(43 - 3) | -0.00125 |
| 0.146 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.146 - 0.1)/(44 - 3) | 0.00112195 |
| 0.258 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.258 - 0.1)/(45 - 3) | 0.0037619 |
| | | | |
| 0.25 (2/6/2014) | ND<0.1 U (12/10/2013) | (0.25 - 0.1)/(5 - 4) | 0.15 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(7 - 4) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (12/10/2013) | (0.12 - 0.1)/(8 - 4) | 0.005 |
| 0.24 (3/23/2015) | ND<0.1 U (12/10/2013) | (0.24 - 0.1)/(9 - 4) | 0.028 |
| 0.15 (4/22/2015) | ND<0.1 U (12/10/2013) | (0.15 - 0.1)/(10 - 4) | 0.00833333 |
| 0.13 (9/30/2015) | ND<0.1 U (12/10/2013) | (0.13 - 0.1)/(11 - 4) | 0.00428571 |
| 0.25 (11/19/2015) | ND<0.1 U (12/10/2013) | (0.25 - 0.1)/(12 - 4) | 0.01875 |
| 0.3 (3/15/2016) | ND<0.1 U (12/10/2013) | (0.3 - 0.1)/(13 - 4) | 0.0222222 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(14 - 4) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(15 - 4) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(16 - 4) | 0 |
| 0.27 (3/2/2017) | ND<0.1 U (12/10/2013) | (0.27 - 0.1)/(17 - 4) | 0.0130769 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(18 - 4) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(19 - 4) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(20 - 4) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (12/10/2013) | (0.22 - 0.1)/(21 - 4) | 0.00705882 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(22 - 4) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(23 - 4) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(24 - 4) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (12/10/2013) | (0.234 - 0.1)/(25 - 4) | 0.00638095 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(26 - 4) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(27 - 4) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(28 - 4) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (12/10/2013) | (0.24 - 0.1)/(29 - 4) | 0.0056 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(30 - 4) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(31 - 4) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(32 - 4) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (12/10/2013) | (0.39 - 0.1)/(33 - 4) | 0.01 |
| 0.181 (4/7/2022) | ND<0.1 U (12/10/2013) | (0.181 - 0.1)/(34 - 4) | 0.0027 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(35 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(36 - 4) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (12/10/2013) | (0.325 - 0.1)/(37 - 4) | 0.00681818 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/10/2013) | (0.05 - 0.1)/(38 - 4) | -0.00147059 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(39 - 4) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (12/10/2013) | (0.103 - 0.1)/(40 - 4) | 8.33333e-05 |
| 0.348 (1/10/2024) | ND<0.1 U (12/10/2013) | (0.348 - 0.1)/(41 - 4) | 0.0067027 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(42 - 4) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/10/2013) | (0.05 - 0.1)/(43 - 4) | -0.00128205 |
| 0.146 (12/11/2024) | ND<0.1 U (12/10/2013) | (0.146 - 0.1)/(44 - 4) | 0.00115 |
| 0.258 (2/18/2025) | ND<0.1 U (12/10/2013) | (0.258 - 0.1)/(45 - 4) | 0.00385366 |
| | | | |
| ND<0.1 U (6/26/2014) | 0.25 (2/6/2014) | (0.1 - 0.25)/(6 - 5) | -0.15 |
| ND<0.1 U (9/30/2014) | 0.25 (2/6/2014) | (0.1 - 0.25)/(7 - 5) | -0.075 |
| 0.12 (11/19/2014) | 0.25 (2/6/2014) | (0.12 - 0.25)/(8 - 5) | -0.0433333 |
| 0.24 (3/23/2015) | 0.25 (2/6/2014) | (0.24 - 0.25)/(9 - 5) | -0.0025 |
| 0.15 (4/22/2015) | 0.25 (2/6/2014) | (0.15 - 0.25)/(10 - 5) | -0.02 |
| 0.13 (9/30/2015) | 0.25 (2/6/2014) | (0.13 - 0.25)/(11 - 5) | -0.02 |
| 0.25 (11/19/2015) | 0.25 (2/6/2014) | (0.25 - 0.25)/(12 - 5) | 0 |
| 0.3 (3/15/2016) | 0.25 (2/6/2014) | (0.3 - 0.25)/(13 - 5) | 0.00625 |
| ND<0.1 U (6/29/2016) | 0.25 (2/6/2014) | (0.1 - 0.25)/(14 - 5) | -0.0166667 |
| ND<0.1 U (8/9/2016) | 0.25 (2/6/2014) | (0.1 - 0.25)/(15 - 5) | -0.015 |
| ND<0.1 U (12/7/2016) | 0.25 (2/6/2014) | (0.1 - 0.25)/(16 - 5) | -0.0136364 |
| 0.27 (3/2/2017) | 0.25 (2/6/2014) | (0.27 - 0.25)/(17 - 5) | 0.00166667 |
| ND<0.1 U (7/5/2017) | 0.25 (2/6/2014) | (0.1 - 0.25)/(18 - 5) | -0.0115385 |
| ND<0.1 U (8/16/2017) | 0.25 (2/6/2014) | (0.1 - 0.25)/(19 - 5) | -0.0107143 |
| ND<0.1 U (10/25/2017) | 0.25 (2/6/2014) | (0.1 - 0.25)/(20 - 5) | -0.01 |
| 0.22 (3/28/2018) | 0.25 (2/6/2014) | (0.22 - 0.25)/(21 - 5) | -0.001875 |
| ND<0.1 U (6/29/2018) | 0.25 (2/6/2014) | (0.1 - 0.25)/(22 - 5) | -0.00882353 |
| ND<0.1 U (8/2/2018) | 0.25 (2/6/2014) | (0.1 - 0.25)/(23 - 5) | -0.00833333 |
| ND<0.1 U (12/10/2018) | 0.25 (2/6/2014) | (0.1 - 0.25)/(24 - 5) | -0.00789474 |
| 0.234 (4/15/2019) | 0.25 (2/6/2014) | (0.234 - 0.25)/(25 - 5) | -0.0008 |
| ND<0.1 U (6/12/2019) | 0.25 (2/6/2014) | (0.1 - 0.25)/(26 - 5) | -0.00714286 |
| ND<0.1 U (8/27/2019) | 0.25 (2/6/2014) | (0.1 - 0.25)/(27 - 5) | -0.00681818 |
| ND<0.1 U (10/29/2019) | 0.25 (2/6/2014) | (0.1 - 0.25)/(28 - 5) | -0.00652174 |
| 0.24 (3/30/2020) | 0.25 (2/6/2014) | (0.24 - 0.25)/(29 - 5) | -0.000416667 |
| ND<0.1 U (6/16/2020) | 0.25 (2/6/2014) | (0.1 - 0.25)/(30 - 5) | -0.006 |
| ND<0.1 U (9/21/2020) | 0.25 (2/6/2014) | (0.1 - 0.25)/(31 - 5) | -0.00576923 |
| ND<0.1 U (9/2/2021) | 0.25 (2/6/2014) | (0.1 - 0.25)/(32 - 5) | -0.00555556 |
| 0.39 (1/11/2022) | 0.25 (2/6/2014) | (0.39 - 0.25)/(33 - 5) | 0.005 |
| 0.181 (4/7/2022) | 0.25 (2/6/2014) | (0.181 - 0.25)/(34 - 5) | -0.00237931 |
| ND<0.1 U (8/2/2022) | 0.25 (2/6/2014) | (0.1 - 0.25)/(35 - 5) | -0.005 |
| ND<0.1 U (11/16/2022) | 0.25 (2/6/2014) | (0.1 - 0.25)/(36 - 5) | -0.00483871 |
| 0.325 (2/14/2023) | 0.25 (2/6/2014) | (0.325 - 0.25)/(37 - 5) | 0.00234375 |
| ND<0.05 U (5/25/2023) | 0.25 (2/6/2014) | (0.05 - 0.25)/(38 - 5) | -0.00606061 |
| ND<0.1 U (8/7/2023) | 0.25 (2/6/2014) | (0.1 - 0.25)/(39 - 5) | -0.00441176 |
| 0.103 (12/12/2023) | 0.25 (2/6/2014) | (0.103 - 0.25)/(40 - 5) | -0.0042 |
| 0.348 (1/10/2024) | 0.25 (2/6/2014) | (0.348 - 0.25)/(41 - 5) | 0.00272222 |
| ND<0.1 U (5/21/2024) | 0.25 (2/6/2014) | (0.1 - 0.25)/(42 - 5) | -0.00405405 |
| ND<0.05 U (9/16/2024) | 0.25 (2/6/2014) | (0.05 - 0.25)/(43 - 5) | -0.00526316 |
| 0.146 (12/11/2024) | 0.25 (2/6/2014) | (0.146 - 0.25)/(44 - 5) | -0.00266667 |
| 0.258 (2/18/2025) | 0.25 (2/6/2014) | (0.258 - 0.25)/(45 - 5) | 0.0002 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(8 - 6) | 0.01 |
| 0.24 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.24 - 0.1)/(9 - 6) | 0.0466667 |
| 0.15 (4/22/2015) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(10 - 6) | 0.0125 |

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|---|---|---|---|
| 0.13 (9/30/2015) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(11 - 6) | 0.006 |
| 0.25 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.25 - 0.1)/(12 - 6) | 0.025 |
| 0.3 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.3 - 0.1)/(13 - 6) | 0.0285714 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(16 - 6) | 0 |
| 0.27 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.27 - 0.1)/(17 - 6) | 0.0154545 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (6/26/2014) | (0.22 - 0.1)/(21 - 6) | 0.008 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(24 - 6) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (6/26/2014) | (0.234 - 0.1)/(25 - 6) | 0.00705263 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(28 - 6) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (6/26/2014) | (0.24 - 0.1)/(29 - 6) | 0.00608696 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (6/26/2014) | (0.39 - 0.1)/(33 - 6) | 0.0107407 |
| 0.181 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.181 - 0.1)/(34 - 6) | 0.00289286 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (6/26/2014) | (0.325 - 0.1)/(37 - 6) | 0.00725806 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(38 - 6) | -0.0015625 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.103 - 0.1)/(40 - 6) | 8.82353e-05 |
| 0.348 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.348 - 0.1)/(41 - 6) | 0.00708571 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(42 - 6) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/26/2014) | (0.05 - 0.1)/(43 - 6) | -0.00135135 |
| 0.146 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.146 - 0.1)/(44 - 6) | 0.00121053 |
| 0.258 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.258 - 0.1)/(45 - 6) | 0.00405128 |
| | | | |
| 0.12 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(8 - 7) | 0.02 |
| 0.24 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.24 - 0.1)/(9 - 7) | 0.07 |
| 0.15 (4/22/2015) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(10 - 7) | 0.0166667 |
| 0.13 (9/30/2015) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(11 - 7) | 0.0075 |
| 0.25 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.25 - 0.1)/(12 - 7) | 0.03 |
| 0.3 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.3 - 0.1)/(13 - 7) | 0.0333333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| 0.27 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.27 - 0.1)/(17 - 7) | 0.017 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(21 - 7) | 0.00857143 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (9/30/2014) | (0.234 - 0.1)/(25 - 7) | 0.00744444 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 7) | 0 |

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|---|---|---|---|
| 0.24 (3/30/2020) | ND<0.1 U (9/30/2014) | (0.24 - 0.1)/(29 - 7) | 0.00636364 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (9/30/2014) | (0.39 - 0.1)/(33 - 7) | 0.0111538 |
| 0.181 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.181 - 0.1)/(34 - 7) | 0.003 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (9/30/2014) | (0.325 - 0.1)/(37 - 7) | 0.0075 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(38 - 7) | -0.0016129 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.103 - 0.1)/(40 - 7) | 9.09091e-05 |
| 0.348 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.348 - 0.1)/(41 - 7) | 0.00729412 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(42 - 7) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/30/2014) | (0.05 - 0.1)/(43 - 7) | -0.00138889 |
| 0.146 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.146 - 0.1)/(44 - 7) | 0.00124324 |
| 0.258 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.258 - 0.1)/(45 - 7) | 0.00415789 |
| | | | |
| 0.24 (3/23/2015) | 0.12 (11/19/2014) | (0.24 - 0.12)/(9 - 8) | 0.12 |
| 0.15 (4/22/2015) | 0.12 (11/19/2014) | (0.15 - 0.12)/(10 - 8) | 0.015 |
| 0.13 (9/30/2015) | 0.12 (11/19/2014) | (0.13 - 0.12)/(11 - 8) | 0.00333333 |
| 0.25 (11/19/2015) | 0.12 (11/19/2014) | (0.25 - 0.12)/(12 - 8) | 0.0325 |
| 0.3 (3/15/2016) | 0.12 (11/19/2014) | (0.3 - 0.12)/(13 - 8) | 0.036 |
| ND<0.1 U (6/29/2016) | 0.12 (11/19/2014) | (0.1 - 0.12)/(14 - 8) | -0.00333333 |
| ND<0.1 U (8/9/2016) | 0.12 (11/19/2014) | (0.1 - 0.12)/(15 - 8) | -0.00285714 |
| ND<0.1 U (12/7/2016) | 0.12 (11/19/2014) | (0.1 - 0.12)/(16 - 8) | -0.0025 |
| 0.27 (3/2/2017) | 0.12 (11/19/2014) | (0.27 - 0.12)/(17 - 8) | 0.0166667 |
| ND<0.1 U (7/5/2017) | 0.12 (11/19/2014) | (0.1 - 0.12)/(18 - 8) | -0.002 |
| ND<0.1 U (8/16/2017) | 0.12 (11/19/2014) | (0.1 - 0.12)/(19 - 8) | -0.00181818 |
| ND<0.1 U (10/25/2017) | 0.12 (11/19/2014) | (0.1 - 0.12)/(20 - 8) | -0.00166667 |
| 0.22 (3/28/2018) | 0.12 (11/19/2014) | (0.22 - 0.12)/(21 - 8) | 0.00769231 |
| ND<0.1 U (6/29/2018) | 0.12 (11/19/2014) | (0.1 - 0.12)/(22 - 8) | -0.00142857 |
| ND<0.1 U (8/2/2018) | 0.12 (11/19/2014) | (0.1 - 0.12)/(23 - 8) | -0.00133333 |
| ND<0.1 U (12/10/2018) | 0.12 (11/19/2014) | (0.1 - 0.12)/(24 - 8) | -0.00125 |
| 0.234 (4/15/2019) | 0.12 (11/19/2014) | (0.234 - 0.12)/(25 - 8) | 0.00670588 |
| ND<0.1 U (6/12/2019) | 0.12 (11/19/2014) | (0.1 - 0.12)/(26 - 8) | -0.00111111 |
| ND<0.1 U (8/27/2019) | 0.12 (11/19/2014) | (0.1 - 0.12)/(27 - 8) | -0.00105263 |
| ND<0.1 U (10/29/2019) | 0.12 (11/19/2014) | (0.1 - 0.12)/(28 - 8) | -0.001 |
| 0.24 (3/30/2020) | 0.12 (11/19/2014) | (0.24 - 0.12)/(29 - 8) | 0.00571429 |
| ND<0.1 U (6/16/2020) | 0.12 (11/19/2014) | (0.1 - 0.12)/(30 - 8) | -0.000909091 |
| ND<0.1 U (9/21/2020) | 0.12 (11/19/2014) | (0.1 - 0.12)/(31 - 8) | -0.000869565 |
| ND<0.1 U (9/2/2021) | 0.12 (11/19/2014) | (0.1 - 0.12)/(32 - 8) | -0.000833333 |
| 0.39 (1/11/2022) | 0.12 (11/19/2014) | (0.39 - 0.12)/(33 - 8) | 0.0108 |
| 0.181 (4/7/2022) | 0.12 (11/19/2014) | (0.181 - 0.12)/(34 - 8) | 0.00234615 |
| ND<0.1 U (8/2/2022) | 0.12 (11/19/2014) | (0.1 - 0.12)/(35 - 8) | -0.000740741 |
| ND<0.1 U (11/16/2022) | 0.12 (11/19/2014) | (0.1 - 0.12)/(36 - 8) | -0.000714286 |
| 0.325 (2/14/2023) | 0.12 (11/19/2014) | (0.325 - 0.12)/(37 - 8) | 0.00706897 |
| ND<0.05 U (5/25/2023) | 0.12 (11/19/2014) | (0.05 - 0.12)/(38 - 8) | -0.00233333 |
| ND<0.1 U (8/7/2023) | 0.12 (11/19/2014) | (0.1 - 0.12)/(39 - 8) | -0.000645161 |
| 0.103 (12/12/2023) | 0.12 (11/19/2014) | (0.103 - 0.12)/(40 - 8) | -0.00053125 |
| 0.348 (1/10/2024) | 0.12 (11/19/2014) | (0.348 - 0.12)/(41 - 8) | 0.00690909 |
| ND<0.1 U (5/21/2024) | 0.12 (11/19/2014) | (0.1 - 0.12)/(42 - 8) | -0.000588235 |
| ND<0.05 U (9/16/2024) | 0.12 (11/19/2014) | (0.05 - 0.12)/(43 - 8) | -0.002 |
| 0.146 (12/11/2024) | 0.12 (11/19/2014) | (0.146 - 0.12)/(44 - 8) | 0.000722222 |
| 0.258 (2/18/2025) | 0.12 (11/19/2014) | (0.258 - 0.12)/(45 - 8) | 0.00372973 |
| | | | |
| 0.15 (4/22/2015) | 0.24 (3/23/2015) | (0.15 - 0.24)/(10 - 9) | -0.09 |

| | | | |
|---|---|---|---|
| 0.13 (9/30/2015) | 0.24 (3/23/2015) | (0.13 - 0.24)/(11 - 9) | -0.055 |
| 0.25 (11/19/2015) | 0.24 (3/23/2015) | (0.25 - 0.24)/(12 - 9) | 0.00333333 |
| 0.3 (3/15/2016) | 0.24 (3/23/2015) | (0.3 - 0.24)/(13 - 9) | 0.015 |
| ND<0.1 U (6/29/2016) | 0.24 (3/23/2015) | (0.1 - 0.24)/(14 - 9) | -0.028 |
| ND<0.1 U (8/9/2016) | 0.24 (3/23/2015) | (0.1 - 0.24)/(15 - 9) | -0.0233333 |
| ND<0.1 U (12/7/2016) | 0.24 (3/23/2015) | (0.1 - 0.24)/(16 - 9) | -0.02 |
| 0.27 (3/2/2017) | 0.24 (3/23/2015) | (0.27 - 0.24)/(17 - 9) | 0.00375 |
| ND<0.1 U (7/5/2017) | 0.24 (3/23/2015) | (0.1 - 0.24)/(18 - 9) | -0.0155556 |
| ND<0.1 U (8/16/2017) | 0.24 (3/23/2015) | (0.1 - 0.24)/(19 - 9) | -0.014 |
| ND<0.1 U (10/25/2017) | 0.24 (3/23/2015) | (0.1 - 0.24)/(20 - 9) | -0.0127273 |
| 0.22 (3/28/2018) | 0.24 (3/23/2015) | (0.22 - 0.24)/(21 - 9) | -0.00166667 |
| ND<0.1 U (6/29/2018) | 0.24 (3/23/2015) | (0.1 - 0.24)/(22 - 9) | -0.0107692 |
| ND<0.1 U (8/2/2018) | 0.24 (3/23/2015) | (0.1 - 0.24)/(23 - 9) | -0.01 |
| ND<0.1 U (12/10/2018) | 0.24 (3/23/2015) | (0.1 - 0.24)/(24 - 9) | -0.00933333 |
| 0.234 (4/15/2019) | 0.24 (3/23/2015) | (0.234 - 0.24)/(25 - 9) | -0.000375 |
| ND<0.1 U (6/12/2019) | 0.24 (3/23/2015) | (0.1 - 0.24)/(26 - 9) | -0.00823529 |
| ND<0.1 U (8/27/2019) | 0.24 (3/23/2015) | (0.1 - 0.24)/(27 - 9) | -0.00777778 |
| ND<0.1 U (10/29/2019) | 0.24 (3/23/2015) | (0.1 - 0.24)/(28 - 9) | -0.00736842 |
| 0.24 (3/30/2020) | 0.24 (3/23/2015) | (0.24 - 0.24)/(29 - 9) | 0 |
| ND<0.1 U (6/16/2020) | 0.24 (3/23/2015) | (0.1 - 0.24)/(30 - 9) | -0.00666667 |
| ND<0.1 U (9/21/2020) | 0.24 (3/23/2015) | (0.1 - 0.24)/(31 - 9) | -0.00636364 |
| ND<0.1 U (9/2/2021) | 0.24 (3/23/2015) | (0.1 - 0.24)/(32 - 9) | -0.00608696 |
| 0.39 (1/11/2022) | 0.24 (3/23/2015) | (0.39 - 0.24)/(33 - 9) | 0.00625 |
| 0.181 (4/7/2022) | 0.24 (3/23/2015) | (0.181 - 0.24)/(34 - 9) | -0.00236 |
| ND<0.1 U (8/2/2022) | 0.24 (3/23/2015) | (0.1 - 0.24)/(35 - 9) | -0.00538462 |
| ND<0.1 U (11/16/2022) | 0.24 (3/23/2015) | (0.1 - 0.24)/(36 - 9) | -0.00518519 |
| 0.325 (2/14/2023) | 0.24 (3/23/2015) | (0.325 - 0.24)/(37 - 9) | 0.00303571 |
| ND<0.05 U (5/25/2023) | 0.24 (3/23/2015) | (0.05 - 0.24)/(38 - 9) | -0.00655172 |
| ND<0.1 U (8/7/2023) | 0.24 (3/23/2015) | (0.1 - 0.24)/(39 - 9) | -0.00466667 |
| 0.103 (12/12/2023) | 0.24 (3/23/2015) | (0.103 - 0.24)/(40 - 9) | -0.00441935 |
| 0.348 (1/10/2024) | 0.24 (3/23/2015) | (0.348 - 0.24)/(41 - 9) | 0.003375 |
| ND<0.1 U (5/21/2024) | 0.24 (3/23/2015) | (0.1 - 0.24)/(42 - 9) | -0.00424242 |
| ND<0.05 U (9/16/2024) | 0.24 (3/23/2015) | (0.05 - 0.24)/(43 - 9) | -0.00558824 |
| 0.146 (12/11/2024) | 0.24 (3/23/2015) | (0.146 - 0.24)/(44 - 9) | -0.00268571 |
| 0.258 (2/18/2025) | 0.24 (3/23/2015) | (0.258 - 0.24)/(45 - 9) | 0.0005 |
| | | | |
| 0.13 (9/30/2015) | 0.15 (4/22/2015) | (0.13 - 0.15)/(11 - 10) | -0.02 |
| 0.25 (11/19/2015) | 0.15 (4/22/2015) | (0.25 - 0.15)/(12 - 10) | 0.05 |
| 0.3 (3/15/2016) | 0.15 (4/22/2015) | (0.3 - 0.15)/(13 - 10) | 0.05 |
| ND<0.1 U (6/29/2016) | 0.15 (4/22/2015) | (0.1 - 0.15)/(14 - 10) | -0.0125 |
| ND<0.1 U (8/9/2016) | 0.15 (4/22/2015) | (0.1 - 0.15)/(15 - 10) | -0.01 |
| ND<0.1 U (12/7/2016) | 0.15 (4/22/2015) | (0.1 - 0.15)/(16 - 10) | -0.00833333 |
| 0.27 (3/2/2017) | 0.15 (4/22/2015) | (0.27 - 0.15)/(17 - 10) | 0.0171429 |
| ND<0.1 U (7/5/2017) | 0.15 (4/22/2015) | (0.1 - 0.15)/(18 - 10) | -0.00625 |
| ND<0.1 U (8/16/2017) | 0.15 (4/22/2015) | (0.1 - 0.15)/(19 - 10) | -0.00555556 |
| ND<0.1 U (10/25/2017) | 0.15 (4/22/2015) | (0.1 - 0.15)/(20 - 10) | -0.005 |
| 0.22 (3/28/2018) | 0.15 (4/22/2015) | (0.22 - 0.15)/(21 - 10) | 0.00636364 |
| ND<0.1 U (6/29/2018) | 0.15 (4/22/2015) | (0.1 - 0.15)/(22 - 10) | -0.00416667 |
| ND<0.1 U (8/2/2018) | 0.15 (4/22/2015) | (0.1 - 0.15)/(23 - 10) | -0.00384615 |
| ND<0.1 U (12/10/2018) | 0.15 (4/22/2015) | (0.1 - 0.15)/(24 - 10) | -0.00357143 |
| 0.234 (4/15/2019) | 0.15 (4/22/2015) | (0.234 - 0.15)/(25 - 10) | 0.0056 |
| ND<0.1 U (6/12/2019) | 0.15 (4/22/2015) | (0.1 - 0.15)/(26 - 10) | -0.003125 |
| ND<0.1 U (8/27/2019) | 0.15 (4/22/2015) | (0.1 - 0.15)/(27 - 10) | -0.00294118 |
| ND<0.1 U (10/29/2019) | 0.15 (4/22/2015) | (0.1 - 0.15)/(28 - 10) | -0.00277778 |
| 0.24 (3/30/2020) | 0.15 (4/22/2015) | (0.24 - 0.15)/(29 - 10) | 0.00473684 |
| ND<0.1 U (6/16/2020) | 0.15 (4/22/2015) | (0.1 - 0.15)/(30 - 10) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.15 (4/22/2015) | (0.1 - 0.15)/(31 - 10) | -0.00238095 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | 0.15 (4/22/2015) | (0.1 - 0.15)/(32 - 10) | -0.00227273 |
| 0.39 (1/11/2022) | 0.15 (4/22/2015) | (0.39 - 0.15)/(33 - 10) | 0.0104348 |
| 0.181 (4/7/2022) | 0.15 (4/22/2015) | (0.181 - 0.15)/(34 - 10) | 0.00129167 |
| ND<0.1 U (8/2/2022) | 0.15 (4/22/2015) | (0.1 - 0.15)/(35 - 10) | -0.002 |
| ND<0.1 U (11/16/2022) | 0.15 (4/22/2015) | (0.1 - 0.15)/(36 - 10) | -0.00192308 |
| 0.325 (2/14/2023) | 0.15 (4/22/2015) | (0.325 - 0.15)/(37 - 10) | 0.00648148 |
| ND<0.05 U (5/25/2023) | 0.15 (4/22/2015) | (0.05 - 0.15)/(38 - 10) | -0.00357143 |
| ND<0.1 U (8/7/2023) | 0.15 (4/22/2015) | (0.1 - 0.15)/(39 - 10) | -0.00172414 |
| 0.103 (12/12/2023) | 0.15 (4/22/2015) | (0.103 - 0.15)/(40 - 10) | -0.00156667 |
| 0.348 (1/10/2024) | 0.15 (4/22/2015) | (0.348 - 0.15)/(41 - 10) | 0.0063871 |
| ND<0.1 U (5/21/2024) | 0.15 (4/22/2015) | (0.1 - 0.15)/(42 - 10) | -0.0015625 |
| ND<0.05 U (9/16/2024) | 0.15 (4/22/2015) | (0.05 - 0.15)/(43 - 10) | -0.0030303 |
| 0.146 (12/11/2024) | 0.15 (4/22/2015) | (0.146 - 0.15)/(44 - 10) | -0.000117647 |
| 0.258 (2/18/2025) | 0.15 (4/22/2015) | (0.258 - 0.15)/(45 - 10) | 0.00308571 |
| | | | |
| 0.25 (11/19/2015) | 0.13 (9/30/2015) | (0.25 - 0.13)/(12 - 11) | 0.12 |
| 0.3 (3/15/2016) | 0.13 (9/30/2015) | (0.3 - 0.13)/(13 - 11) | 0.085 |
| ND<0.1 U (6/29/2016) | 0.13 (9/30/2015) | (0.1 - 0.13)/(14 - 11) | -0.01 |
| ND<0.1 U (8/9/2016) | 0.13 (9/30/2015) | (0.1 - 0.13)/(15 - 11) | -0.0075 |
| ND<0.1 U (12/7/2016) | 0.13 (9/30/2015) | (0.1 - 0.13)/(16 - 11) | -0.006 |
| 0.27 (3/2/2017) | 0.13 (9/30/2015) | (0.27 - 0.13)/(17 - 11) | 0.0233333 |
| ND<0.1 U (7/5/2017) | 0.13 (9/30/2015) | (0.1 - 0.13)/(18 - 11) | -0.00428571 |
| ND<0.1 U (8/16/2017) | 0.13 (9/30/2015) | (0.1 - 0.13)/(19 - 11) | -0.00375 |
| ND<0.1 U (10/25/2017) | 0.13 (9/30/2015) | (0.1 - 0.13)/(20 - 11) | -0.00333333 |
| 0.22 (3/28/2018) | 0.13 (9/30/2015) | (0.22 - 0.13)/(21 - 11) | 0.009 |
| ND<0.1 U (6/29/2018) | 0.13 (9/30/2015) | (0.1 - 0.13)/(22 - 11) | -0.00272727 |
| ND<0.1 U (8/2/2018) | 0.13 (9/30/2015) | (0.1 - 0.13)/(23 - 11) | -0.0025 |
| ND<0.1 U (12/10/2018) | 0.13 (9/30/2015) | (0.1 - 0.13)/(24 - 11) | -0.00230769 |
| 0.234 (4/15/2019) | 0.13 (9/30/2015) | (0.234 - 0.13)/(25 - 11) | 0.00742857 |
| ND<0.1 U (6/12/2019) | 0.13 (9/30/2015) | (0.1 - 0.13)/(26 - 11) | -0.002 |
| ND<0.1 U (8/27/2019) | 0.13 (9/30/2015) | (0.1 - 0.13)/(27 - 11) | -0.001875 |
| ND<0.1 U (10/29/2019) | 0.13 (9/30/2015) | (0.1 - 0.13)/(28 - 11) | -0.00176471 |
| 0.24 (3/30/2020) | 0.13 (9/30/2015) | (0.24 - 0.13)/(29 - 11) | 0.00611111 |
| ND<0.1 U (6/16/2020) | 0.13 (9/30/2015) | (0.1 - 0.13)/(30 - 11) | -0.00157895 |
| ND<0.1 U (9/21/2020) | 0.13 (9/30/2015) | (0.1 - 0.13)/(31 - 11) | -0.0015 |
| ND<0.1 U (9/2/2021) | 0.13 (9/30/2015) | (0.1 - 0.13)/(32 - 11) | -0.00142857 |
| 0.39 (1/11/2022) | 0.13 (9/30/2015) | (0.39 - 0.13)/(33 - 11) | 0.0118182 |
| 0.181 (4/7/2022) | 0.13 (9/30/2015) | (0.181 - 0.13)/(34 - 11) | 0.00221739 |
| ND<0.1 U (8/2/2022) | 0.13 (9/30/2015) | (0.1 - 0.13)/(35 - 11) | -0.00125 |
| ND<0.1 U (11/16/2022) | 0.13 (9/30/2015) | (0.1 - 0.13)/(36 - 11) | -0.0012 |
| 0.325 (2/14/2023) | 0.13 (9/30/2015) | (0.325 - 0.13)/(37 - 11) | 0.0075 |
| ND<0.05 U (5/25/2023) | 0.13 (9/30/2015) | (0.05 - 0.13)/(38 - 11) | -0.00296296 |
| ND<0.1 U (8/7/2023) | 0.13 (9/30/2015) | (0.1 - 0.13)/(39 - 11) | -0.00107143 |
| 0.103 (12/12/2023) | 0.13 (9/30/2015) | (0.103 - 0.13)/(40 - 11) | -0.000931034 |
| 0.348 (1/10/2024) | 0.13 (9/30/2015) | (0.348 - 0.13)/(41 - 11) | 0.00726667 |
| ND<0.1 U (5/21/2024) | 0.13 (9/30/2015) | (0.1 - 0.13)/(42 - 11) | -0.000967742 |
| ND<0.05 U (9/16/2024) | 0.13 (9/30/2015) | (0.05 - 0.13)/(43 - 11) | -0.0025 |
| 0.146 (12/11/2024) | 0.13 (9/30/2015) | (0.146 - 0.13)/(44 - 11) | 0.000484848 |
| 0.258 (2/18/2025) | 0.13 (9/30/2015) | (0.258 - 0.13)/(45 - 11) | 0.00376471 |
| | | | |
| 0.3 (3/15/2016) | 0.25 (11/19/2015) | (0.3 - 0.25)/(13 - 12) | 0.05 |
| ND<0.1 U (6/29/2016) | 0.25 (11/19/2015) | (0.1 - 0.25)/(14 - 12) | -0.075 |
| ND<0.1 U (8/9/2016) | 0.25 (11/19/2015) | (0.1 - 0.25)/(15 - 12) | -0.05 |
| ND<0.1 U (12/7/2016) | 0.25 (11/19/2015) | (0.1 - 0.25)/(16 - 12) | -0.0375 |
| 0.27 (3/2/2017) | 0.25 (11/19/2015) | (0.27 - 0.25)/(17 - 12) | 0.004 |
| ND<0.1 U (7/5/2017) | 0.25 (11/19/2015) | (0.1 - 0.25)/(18 - 12) | -0.025 |
| ND<0.1 U (8/16/2017) | 0.25 (11/19/2015) | (0.1 - 0.25)/(19 - 12) | -0.0214286 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | 0.25 (11/19/2015) | (0.1 - 0.25)/(20 - 12) | -0.01875 |
| 0.22 (3/28/2018) | 0.25 (11/19/2015) | (0.22 - 0.25)/(21 - 12) | -0.00333333 |
| ND<0.1 U (6/29/2018) | 0.25 (11/19/2015) | (0.1 - 0.25)/(22 - 12) | -0.015 |
| ND<0.1 U (8/2/2018) | 0.25 (11/19/2015) | (0.1 - 0.25)/(23 - 12) | -0.0136364 |
| ND<0.1 U (12/10/2018) | 0.25 (11/19/2015) | (0.1 - 0.25)/(24 - 12) | -0.0125 |
| 0.234 (4/15/2019) | 0.25 (11/19/2015) | (0.234 - 0.25)/(25 - 12) | -0.00123077 |
| ND<0.1 U (6/12/2019) | 0.25 (11/19/2015) | (0.1 - 0.25)/(26 - 12) | -0.0107143 |
| ND<0.1 U (8/27/2019) | 0.25 (11/19/2015) | (0.1 - 0.25)/(27 - 12) | -0.01 |
| ND<0.1 U (10/29/2019) | 0.25 (11/19/2015) | (0.1 - 0.25)/(28 - 12) | -0.009375 |
| 0.24 (3/30/2020) | 0.25 (11/19/2015) | (0.24 - 0.25)/(29 - 12) | -0.000588235 |
| ND<0.1 U (6/16/2020) | 0.25 (11/19/2015) | (0.1 - 0.25)/(30 - 12) | -0.00833333 |
| ND<0.1 U (9/21/2020) | 0.25 (11/19/2015) | (0.1 - 0.25)/(31 - 12) | -0.00789474 |
| ND<0.1 U (9/2/2021) | 0.25 (11/19/2015) | (0.1 - 0.25)/(32 - 12) | -0.0075 |
| 0.39 (1/11/2022) | 0.25 (11/19/2015) | (0.39 - 0.25)/(33 - 12) | 0.00666667 |
| 0.181 (4/7/2022) | 0.25 (11/19/2015) | (0.181 - 0.25)/(34 - 12) | -0.00313636 |
| ND<0.1 U (8/2/2022) | 0.25 (11/19/2015) | (0.1 - 0.25)/(35 - 12) | -0.00652174 |
| ND<0.1 U (11/16/2022) | 0.25 (11/19/2015) | (0.1 - 0.25)/(36 - 12) | -0.00625 |
| 0.325 (2/14/2023) | 0.25 (11/19/2015) | (0.325 - 0.25)/(37 - 12) | 0.003 |
| ND<0.05 U (5/25/2023) | 0.25 (11/19/2015) | (0.05 - 0.25)/(38 - 12) | -0.00769231 |
| ND<0.1 U (8/7/2023) | 0.25 (11/19/2015) | (0.1 - 0.25)/(39 - 12) | -0.00555556 |
| 0.103 (12/12/2023) | 0.25 (11/19/2015) | (0.103 - 0.25)/(40 - 12) | -0.00525 |
| 0.348 (1/10/2024) | 0.25 (11/19/2015) | (0.348 - 0.25)/(41 - 12) | 0.00337931 |
| ND<0.1 U (5/21/2024) | 0.25 (11/19/2015) | (0.1 - 0.25)/(42 - 12) | -0.005 |
| ND<0.05 U (9/16/2024) | 0.25 (11/19/2015) | (0.05 - 0.25)/(43 - 12) | -0.00645161 |
| 0.146 (12/11/2024) | 0.25 (11/19/2015) | (0.146 - 0.25)/(44 - 12) | -0.00325 |
| 0.258 (2/18/2025) | 0.25 (11/19/2015) | (0.258 - 0.25)/(45 - 12) | 0.000242424 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(14 - 13) | -0.2 |
| ND<0.1 U (8/9/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(15 - 13) | -0.1 |
| ND<0.1 U (12/7/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(16 - 13) | -0.0666667 |
| 0.27 (3/2/2017) | 0.3 (3/15/2016) | (0.27 - 0.3)/(17 - 13) | -0.0075 |
| ND<0.1 U (7/5/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(18 - 13) | -0.04 |
| ND<0.1 U (8/16/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(19 - 13) | -0.0333333 |
| ND<0.1 U (10/25/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(20 - 13) | -0.0285714 |
| 0.22 (3/28/2018) | 0.3 (3/15/2016) | (0.22 - 0.3)/(21 - 13) | -0.01 |
| ND<0.1 U (6/29/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(22 - 13) | -0.0222222 |
| ND<0.1 U (8/2/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(23 - 13) | -0.02 |
| ND<0.1 U (12/10/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(24 - 13) | -0.0181818 |
| 0.234 (4/15/2019) | 0.3 (3/15/2016) | (0.234 - 0.3)/(25 - 13) | -0.0055 |
| ND<0.1 U (6/12/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(26 - 13) | -0.0153846 |
| ND<0.1 U (8/27/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(27 - 13) | -0.0142857 |
| ND<0.1 U (10/29/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(28 - 13) | -0.0133333 |
| 0.24 (3/30/2020) | 0.3 (3/15/2016) | (0.24 - 0.3)/(29 - 13) | -0.00375 |
| ND<0.1 U (6/16/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(30 - 13) | -0.0117647 |
| ND<0.1 U (9/21/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(31 - 13) | -0.0111111 |
| ND<0.1 U (9/2/2021) | 0.3 (3/15/2016) | (0.1 - 0.3)/(32 - 13) | -0.0105263 |
| 0.39 (1/11/2022) | 0.3 (3/15/2016) | (0.39 - 0.3)/(33 - 13) | 0.0045 |
| 0.181 (4/7/2022) | 0.3 (3/15/2016) | (0.181 - 0.3)/(34 - 13) | -0.00566667 |
| ND<0.1 U (8/2/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(35 - 13) | -0.00909091 |
| ND<0.1 U (11/16/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(36 - 13) | -0.00869565 |
| 0.325 (2/14/2023) | 0.3 (3/15/2016) | (0.325 - 0.3)/(37 - 13) | 0.00104167 |
| ND<0.05 U (5/25/2023) | 0.3 (3/15/2016) | (0.05 - 0.3)/(38 - 13) | -0.01 |
| ND<0.1 U (8/7/2023) | 0.3 (3/15/2016) | (0.1 - 0.3)/(39 - 13) | -0.00769231 |
| 0.103 (12/12/2023) | 0.3 (3/15/2016) | (0.103 - 0.3)/(40 - 13) | -0.0072963 |
| 0.348 (1/10/2024) | 0.3 (3/15/2016) | (0.348 - 0.3)/(41 - 13) | 0.00171429 |
| ND<0.1 U (5/21/2024) | 0.3 (3/15/2016) | (0.1 - 0.3)/(42 - 13) | -0.00689655 |
| ND<0.05 U (9/16/2024) | 0.3 (3/15/2016) | (0.05 - 0.3)/(43 - 13) | -0.00833333 |

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|---|---|---|---|
| 0.146 (12/11/2024) | 0.3 (3/15/2016) | (0.146 - 0.3)/(44 - 13) | -0.00496774 |
| 0.258 (2/18/2025) | 0.3 (3/15/2016) | (0.258 - 0.3)/(45 - 13) | -0.0013125 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |
| 0.27 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.27 - 0.1)/(17 - 14) | 0.0566667 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (6/29/2016) | (0.22 - 0.1)/(21 - 14) | 0.0171429 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (6/29/2016) | (0.234 - 0.1)/(25 - 14) | 0.0121818 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (6/29/2016) | (0.24 - 0.1)/(29 - 14) | 0.00933333 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (6/29/2016) | (0.39 - 0.1)/(33 - 14) | 0.0152632 |
| 0.181 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.181 - 0.1)/(34 - 14) | 0.00405 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (6/29/2016) | (0.325 - 0.1)/(37 - 14) | 0.00978261 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(38 - 14) | -0.00208333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.103 - 0.1)/(40 - 14) | 0.000115385 |
| 0.348 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.348 - 0.1)/(41 - 14) | 0.00918519 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(42 - 14) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2016) | (0.05 - 0.1)/(43 - 14) | -0.00172414 |
| 0.146 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.146 - 0.1)/(44 - 14) | 0.00153333 |
| 0.258 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.258 - 0.1)/(45 - 14) | 0.00509677 |
| | | | |
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| 0.27 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.27 - 0.1)/(17 - 15) | 0.085 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (8/9/2016) | (0.22 - 0.1)/(21 - 15) | 0.02 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (8/9/2016) | (0.234 - 0.1)/(25 - 15) | 0.0134 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (8/9/2016) | (0.24 - 0.1)/(29 - 15) | 0.01 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (8/9/2016) | (0.39 - 0.1)/(33 - 15) | 0.0161111 |
| 0.181 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.181 - 0.1)/(34 - 15) | 0.00426316 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (8/9/2016) | (0.325 - 0.1)/(37 - 15) | 0.0102273 |

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|---|---|---|---|
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(38 - 15) | -0.00217391 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.103 - 0.1)/(40 - 15) | 0.00012 |
| 0.348 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.348 - 0.1)/(41 - 15) | 0.00953846 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(42 - 15) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/9/2016) | (0.05 - 0.1)/(43 - 15) | -0.00178571 |
| 0.146 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.146 - 0.1)/(44 - 15) | 0.00158621 |
| 0.258 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.258 - 0.1)/(45 - 15) | 0.00526667 |
| | | | |
| 0.27 (3/2/2017) | ND<0.1 U (12/7/2016) | (0.27 - 0.1)/(17 - 16) | 0.17 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(18 - 16) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(19 - 16) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(20 - 16) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (12/7/2016) | (0.22 - 0.1)/(21 - 16) | 0.024 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(23 - 16) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(24 - 16) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (12/7/2016) | (0.234 - 0.1)/(25 - 16) | 0.0148889 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(26 - 16) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(27 - 16) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(28 - 16) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (12/7/2016) | (0.24 - 0.1)/(29 - 16) | 0.0107692 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(31 - 16) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(32 - 16) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (12/7/2016) | (0.39 - 0.1)/(33 - 16) | 0.0170588 |
| 0.181 (4/7/2022) | ND<0.1 U (12/7/2016) | (0.181 - 0.1)/(34 - 16) | 0.0045 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(35 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(36 - 16) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (12/7/2016) | (0.325 - 0.1)/(37 - 16) | 0.0107143 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(38 - 16) | -0.00227273 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (12/7/2016) | (0.103 - 0.1)/(40 - 16) | 0.000125 |
| 0.348 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.348 - 0.1)/(41 - 16) | 0.00992 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(42 - 16) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/7/2016) | (0.05 - 0.1)/(43 - 16) | -0.00185185 |
| 0.146 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.146 - 0.1)/(44 - 16) | 0.00164286 |
| 0.258 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.258 - 0.1)/(45 - 16) | 0.00544828 |
| | | | |
| ND<0.1 U (7/5/2017) | 0.27 (3/2/2017) | (0.1 - 0.27)/(18 - 17) | -0.17 |
| ND<0.1 U (8/16/2017) | 0.27 (3/2/2017) | (0.1 - 0.27)/(19 - 17) | -0.085 |
| ND<0.1 U (10/25/2017) | 0.27 (3/2/2017) | (0.1 - 0.27)/(20 - 17) | -0.0566667 |
| 0.22 (3/28/2018) | 0.27 (3/2/2017) | (0.22 - 0.27)/(21 - 17) | -0.0125 |
| ND<0.1 U (6/29/2018) | 0.27 (3/2/2017) | (0.1 - 0.27)/(22 - 17) | -0.034 |
| ND<0.1 U (8/2/2018) | 0.27 (3/2/2017) | (0.1 - 0.27)/(23 - 17) | -0.0283333 |
| ND<0.1 U (12/10/2018) | 0.27 (3/2/2017) | (0.1 - 0.27)/(24 - 17) | -0.0242857 |
| 0.234 (4/15/2019) | 0.27 (3/2/2017) | (0.234 - 0.27)/(25 - 17) | -0.0045 |
| ND<0.1 U (6/12/2019) | 0.27 (3/2/2017) | (0.1 - 0.27)/(26 - 17) | -0.0188889 |
| ND<0.1 U (8/27/2019) | 0.27 (3/2/2017) | (0.1 - 0.27)/(27 - 17) | -0.017 |
| ND<0.1 U (10/29/2019) | 0.27 (3/2/2017) | (0.1 - 0.27)/(28 - 17) | -0.0154545 |
| 0.24 (3/30/2020) | 0.27 (3/2/2017) | (0.24 - 0.27)/(29 - 17) | -0.0025 |
| ND<0.1 U (6/16/2020) | 0.27 (3/2/2017) | (0.1 - 0.27)/(30 - 17) | -0.0130769 |
| ND<0.1 U (9/21/2020) | 0.27 (3/2/2017) | (0.1 - 0.27)/(31 - 17) | -0.0121429 |
| ND<0.1 U (9/2/2021) | 0.27 (3/2/2017) | (0.1 - 0.27)/(32 - 17) | -0.0113333 |
| 0.39 (1/11/2022) | 0.27 (3/2/2017) | (0.39 - 0.27)/(33 - 17) | 0.0075 |
| 0.181 (4/7/2022) | 0.27 (3/2/2017) | (0.181 - 0.27)/(34 - 17) | -0.00523529 |
| ND<0.1 U (8/2/2022) | 0.27 (3/2/2017) | (0.1 - 0.27)/(35 - 17) | -0.00944444 |

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|---|---|---|---|
| ND<0.1 U (11/16/2022) | 0.27 (3/2/2017) | (0.1 - 0.27)/(36 - 17) | -0.00894737 |
| 0.325 (2/14/2023) | 0.27 (3/2/2017) | (0.325 - 0.27)/(37 - 17) | 0.00275 |
| ND<0.05 U (5/25/2023) | 0.27 (3/2/2017) | (0.05 - 0.27)/(38 - 17) | -0.0104762 |
| ND<0.1 U (8/7/2023) | 0.27 (3/2/2017) | (0.1 - 0.27)/(39 - 17) | -0.00772727 |
| 0.103 (12/12/2023) | 0.27 (3/2/2017) | (0.103 - 0.27)/(40 - 17) | -0.00726087 |
| 0.348 (1/10/2024) | 0.27 (3/2/2017) | (0.348 - 0.27)/(41 - 17) | 0.00325 |
| ND<0.1 U (5/21/2024) | 0.27 (3/2/2017) | (0.1 - 0.27)/(42 - 17) | -0.0068 |
| ND<0.05 U (9/16/2024) | 0.27 (3/2/2017) | (0.05 - 0.27)/(43 - 17) | -0.00846154 |
| 0.146 (12/11/2024) | 0.27 (3/2/2017) | (0.146 - 0.27)/(44 - 17) | -0.00459259 |
| 0.258 (2/18/2025) | 0.27 (3/2/2017) | (0.258 - 0.27)/(45 - 17) | -0.000428571 |

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|---|---|---|---|
| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (7/5/2017) | (0.22 - 0.1)/(21 - 18) | 0.04 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(24 - 18) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (7/5/2017) | (0.234 - 0.1)/(25 - 18) | 0.0191429 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(28 - 18) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (7/5/2017) | (0.24 - 0.1)/(29 - 18) | 0.0127273 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (7/5/2017) | (0.39 - 0.1)/(33 - 18) | 0.0193333 |
| 0.181 (4/7/2022) | ND<0.1 U (7/5/2017) | (0.181 - 0.1)/(34 - 18) | 0.0050625 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (7/5/2017) | (0.325 - 0.1)/(37 - 18) | 0.0118421 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (7/5/2017) | (0.05 - 0.1)/(38 - 18) | -0.0025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (7/5/2017) | (0.103 - 0.1)/(40 - 18) | 0.000136364 |
| 0.348 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.348 - 0.1)/(41 - 18) | 0.0107826 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(42 - 18) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (7/5/2017) | (0.05 - 0.1)/(43 - 18) | -0.002 |
| 0.146 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.146 - 0.1)/(44 - 18) | 0.00176923 |
| 0.258 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.258 - 0.1)/(45 - 18) | 0.00585185 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| 0.22 (3/28/2018) | ND<0.1 U (8/16/2017) | (0.22 - 0.1)/(21 - 19) | 0.06 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(24 - 19) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (8/16/2017) | (0.234 - 0.1)/(25 - 19) | 0.0223333 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (8/16/2017) | (0.24 - 0.1)/(29 - 19) | 0.014 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (8/16/2017) | (0.39 - 0.1)/(33 - 19) | 0.0207143 |
| 0.181 (4/7/2022) | ND<0.1 U (8/16/2017) | (0.181 - 0.1)/(34 - 19) | 0.0054 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (8/16/2017) | (0.325 - 0.1)/(37 - 19) | 0.0125 |

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|---|---|---|---|
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(38 - 19) | -0.00263158 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (8/16/2017) | (0.103 - 0.1)/(40 - 19) | 0.000142857 |
| 0.348 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.348 - 0.1)/(41 - 19) | 0.0112727 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(42 - 19) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/16/2017) | (0.05 - 0.1)/(43 - 19) | -0.00208333 |
| 0.146 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.146 - 0.1)/(44 - 19) | 0.00184 |
| 0.258 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.258 - 0.1)/(45 - 19) | 0.00607692 |
| | | | |
| 0.22 (3/28/2018) | ND<0.1 U (10/25/2017) | (0.22 - 0.1)/(21 - 20) | 0.12 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(24 - 20) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (10/25/2017) | (0.234 - 0.1)/(25 - 20) | 0.0268 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(28 - 20) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (10/25/2017) | (0.24 - 0.1)/(29 - 20) | 0.0155556 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (10/25/2017) | (0.39 - 0.1)/(33 - 20) | 0.0223077 |
| 0.181 (4/7/2022) | ND<0.1 U (10/25/2017) | (0.181 - 0.1)/(34 - 20) | 0.00578571 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(36 - 20) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (10/25/2017) | (0.325 - 0.1)/(37 - 20) | 0.0132353 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (10/25/2017) | (0.05 - 0.1)/(38 - 20) | -0.00277778 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (10/25/2017) | (0.103 - 0.1)/(40 - 20) | 0.00015 |
| 0.348 (1/10/2024) | ND<0.1 U (10/25/2017) | (0.348 - 0.1)/(41 - 20) | 0.0118095 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(42 - 20) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/25/2017) | (0.05 - 0.1)/(43 - 20) | -0.00217391 |
| 0.146 (12/11/2024) | ND<0.1 U (10/25/2017) | (0.146 - 0.1)/(44 - 20) | 0.00191667 |
| 0.258 (2/18/2025) | ND<0.1 U (10/25/2017) | (0.258 - 0.1)/(45 - 20) | 0.00632 |
| | | | |
| ND<0.1 U (6/29/2018) | 0.22 (3/28/2018) | (0.1 - 0.22)/(22 - 21) | -0.12 |
| ND<0.1 U (8/2/2018) | 0.22 (3/28/2018) | (0.1 - 0.22)/(23 - 21) | -0.06 |
| ND<0.1 U (12/10/2018) | 0.22 (3/28/2018) | (0.1 - 0.22)/(24 - 21) | -0.04 |
| 0.234 (4/15/2019) | 0.22 (3/28/2018) | (0.234 - 0.22)/(25 - 21) | 0.0035 |
| ND<0.1 U (6/12/2019) | 0.22 (3/28/2018) | (0.1 - 0.22)/(26 - 21) | -0.024 |
| ND<0.1 U (8/27/2019) | 0.22 (3/28/2018) | (0.1 - 0.22)/(27 - 21) | -0.02 |
| ND<0.1 U (10/29/2019) | 0.22 (3/28/2018) | (0.1 - 0.22)/(28 - 21) | -0.0171429 |
| 0.24 (3/30/2020) | 0.22 (3/28/2018) | (0.24 - 0.22)/(29 - 21) | 0.0025 |
| ND<0.1 U (6/16/2020) | 0.22 (3/28/2018) | (0.1 - 0.22)/(30 - 21) | -0.0133333 |
| ND<0.1 U (9/21/2020) | 0.22 (3/28/2018) | (0.1 - 0.22)/(31 - 21) | -0.012 |
| ND<0.1 U (9/2/2021) | 0.22 (3/28/2018) | (0.1 - 0.22)/(32 - 21) | -0.0109091 |
| 0.39 (1/11/2022) | 0.22 (3/28/2018) | (0.39 - 0.22)/(33 - 21) | 0.0141667 |
| 0.181 (4/7/2022) | 0.22 (3/28/2018) | (0.181 - 0.22)/(34 - 21) | -0.003 |
| ND<0.1 U (8/2/2022) | 0.22 (3/28/2018) | (0.1 - 0.22)/(35 - 21) | -0.00857143 |
| ND<0.1 U (11/16/2022) | 0.22 (3/28/2018) | (0.1 - 0.22)/(36 - 21) | -0.008 |
| 0.325 (2/14/2023) | 0.22 (3/28/2018) | (0.325 - 0.22)/(37 - 21) | 0.0065625 |
| ND<0.05 U (5/25/2023) | 0.22 (3/28/2018) | (0.05 - 0.22)/(38 - 21) | -0.01 |
| ND<0.1 U (8/7/2023) | 0.22 (3/28/2018) | (0.1 - 0.22)/(39 - 21) | -0.00666667 |
| 0.103 (12/12/2023) | 0.22 (3/28/2018) | (0.103 - 0.22)/(40 - 21) | -0.00615789 |
| 0.348 (1/10/2024) | 0.22 (3/28/2018) | (0.348 - 0.22)/(41 - 21) | 0.0064 |
| ND<0.1 U (5/21/2024) | 0.22 (3/28/2018) | (0.1 - 0.22)/(42 - 21) | -0.00571429 |
| ND<0.05 U (9/16/2024) | 0.22 (3/28/2018) | (0.05 - 0.22)/(43 - 21) | -0.00772727 |

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|---|---|---|---|
| 0.146 (12/11/2024) | 0.22 (3/28/2018) | (0.146 - 0.22)/(44 - 21) | -0.00321739 |
| 0.258 (2/18/2025) | 0.22 (3/28/2018) | (0.258 - 0.22)/(45 - 21) | 0.00158333 |
| | | | |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(24 - 22) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (6/29/2018) | (0.234 - 0.1)/(25 - 22) | 0.0446667 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(28 - 22) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (6/29/2018) | (0.24 - 0.1)/(29 - 22) | 0.02 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (6/29/2018) | (0.39 - 0.1)/(33 - 22) | 0.0263636 |
| 0.181 (4/7/2022) | ND<0.1 U (6/29/2018) | (0.181 - 0.1)/(34 - 22) | 0.00675 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (6/29/2018) | (0.325 - 0.1)/(37 - 22) | 0.015 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(38 - 22) | -0.003125 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (6/29/2018) | (0.103 - 0.1)/(40 - 22) | 0.000166667 |
| 0.348 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.348 - 0.1)/(41 - 22) | 0.0130526 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(42 - 22) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/29/2018) | (0.05 - 0.1)/(43 - 22) | -0.00238095 |
| 0.146 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.146 - 0.1)/(44 - 22) | 0.00209091 |
| 0.258 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.258 - 0.1)/(45 - 22) | 0.00686957 |
| | | | |
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(24 - 23) | 0 |
| 0.234 (4/15/2019) | ND<0.1 U (8/2/2018) | (0.234 - 0.1)/(25 - 23) | 0.067 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(27 - 23) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(28 - 23) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (8/2/2018) | (0.24 - 0.1)/(29 - 23) | 0.0233333 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(32 - 23) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (8/2/2018) | (0.39 - 0.1)/(33 - 23) | 0.029 |
| 0.181 (4/7/2022) | ND<0.1 U (8/2/2018) | (0.181 - 0.1)/(34 - 23) | 0.00736364 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(36 - 23) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (8/2/2018) | (0.325 - 0.1)/(37 - 23) | 0.0160714 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(38 - 23) | -0.00333333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (8/2/2018) | (0.103 - 0.1)/(40 - 23) | 0.000176471 |
| 0.348 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.348 - 0.1)/(41 - 23) | 0.0137778 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(42 - 23) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2018) | (0.05 - 0.1)/(43 - 23) | -0.0025 |
| 0.146 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.146 - 0.1)/(44 - 23) | 0.00219048 |
| 0.258 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.258 - 0.1)/(45 - 23) | 0.00718182 |
| | | | |
| 0.234 (4/15/2019) | ND<0.1 U (12/10/2018) | (0.234 - 0.1)/(25 - 24) | 0.134 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(26 - 24) | 0 |
| ND<0.1 U (8/27/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(27 - 24) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(28 - 24) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (12/10/2018) | (0.24 - 0.1)/(29 - 24) | 0.028 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(30 - 24) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(31 - 24) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (12/10/2018) | (0.39 - 0.1)/(33 - 24) | 0.0322222 |
| 0.181 (4/7/2022) | ND<0.1 U (12/10/2018) | (0.181 - 0.1)/(34 - 24) | 0.0081 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(35 - 24) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(36 - 24) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (12/10/2018) | (0.325 - 0.1)/(37 - 24) | 0.0173077 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (12/10/2018) | (0.05 - 0.1)/(38 - 24) | -0.00357143 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (12/10/2018) | (0.103 - 0.1)/(40 - 24) | 0.0001875 |
| 0.348 (1/10/2024) | ND<0.1 U (12/10/2018) | (0.348 - 0.1)/(41 - 24) | 0.0145882 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(42 - 24) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (12/10/2018) | (0.05 - 0.1)/(43 - 24) | -0.00263158 |
| 0.146 (12/11/2024) | ND<0.1 U (12/10/2018) | (0.146 - 0.1)/(44 - 24) | 0.0023 |
| 0.258 (2/18/2025) | ND<0.1 U (12/10/2018) | (0.258 - 0.1)/(45 - 24) | 0.00752381 |
| | | | |
| ND<0.1 U (6/12/2019) | 0.234 (4/15/2019) | (0.1 - 0.234)/(26 - 25) | -0.134 |
| ND<0.1 U (8/27/2019) | 0.234 (4/15/2019) | (0.1 - 0.234)/(27 - 25) | -0.067 |
| ND<0.1 U (10/29/2019) | 0.234 (4/15/2019) | (0.1 - 0.234)/(28 - 25) | -0.0446667 |
| 0.24 (3/30/2020) | 0.234 (4/15/2019) | (0.24 - 0.234)/(29 - 25) | 0.0015 |
| ND<0.1 U (6/16/2020) | 0.234 (4/15/2019) | (0.1 - 0.234)/(30 - 25) | -0.0268 |
| ND<0.1 U (9/21/2020) | 0.234 (4/15/2019) | (0.1 - 0.234)/(31 - 25) | -0.0223333 |
| ND<0.1 U (9/2/2021) | 0.234 (4/15/2019) | (0.1 - 0.234)/(32 - 25) | -0.0191429 |
| 0.39 (1/11/2022) | 0.234 (4/15/2019) | (0.39 - 0.234)/(33 - 25) | 0.0195 |
| 0.181 (4/7/2022) | 0.234 (4/15/2019) | (0.181 - 0.234)/(34 - 25) | -0.00588889 |
| ND<0.1 U (8/2/2022) | 0.234 (4/15/2019) | (0.1 - 0.234)/(35 - 25) | -0.0134 |
| ND<0.1 U (11/16/2022) | 0.234 (4/15/2019) | (0.1 - 0.234)/(36 - 25) | -0.0121818 |
| 0.325 (2/14/2023) | 0.234 (4/15/2019) | (0.325 - 0.234)/(37 - 25) | 0.00758333 |
| ND<0.05 U (5/25/2023) | 0.234 (4/15/2019) | (0.05 - 0.234)/(38 - 25) | -0.0141538 |
| ND<0.1 U (8/7/2023) | 0.234 (4/15/2019) | (0.1 - 0.234)/(39 - 25) | -0.00957143 |
| 0.103 (12/12/2023) | 0.234 (4/15/2019) | (0.103 - 0.234)/(40 - 25) | -0.00873333 |
| 0.348 (1/10/2024) | 0.234 (4/15/2019) | (0.348 - 0.234)/(41 - 25) | 0.007125 |
| ND<0.1 U (5/21/2024) | 0.234 (4/15/2019) | (0.1 - 0.234)/(42 - 25) | -0.00788235 |
| ND<0.05 U (9/16/2024) | 0.234 (4/15/2019) | (0.05 - 0.234)/(43 - 25) | -0.0102222 |
| 0.146 (12/11/2024) | 0.234 (4/15/2019) | (0.146 - 0.234)/(44 - 25) | -0.00463158 |
| 0.258 (2/18/2025) | 0.234 (4/15/2019) | (0.258 - 0.234)/(45 - 25) | 0.0012 |
| | | | |
| ND<0.1 U (8/27/2019) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(28 - 26) | 0 |
| 0.24 (3/30/2020) | ND<0.1 U (6/12/2019) | (0.24 - 0.1)/(29 - 26) | 0.0466667 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (6/12/2019) | (0.39 - 0.1)/(33 - 26) | 0.0414286 |
| 0.181 (4/7/2022) | ND<0.1 U (6/12/2019) | (0.181 - 0.1)/(34 - 26) | 0.010125 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (6/12/2019) | (0.325 - 0.1)/(37 - 26) | 0.0204545 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(38 - 26) | -0.00416667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (6/12/2019) | (0.103 - 0.1)/(40 - 26) | 0.000214286 |
| 0.348 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.348 - 0.1)/(41 - 26) | 0.0165333 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(42 - 26) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/12/2019) | (0.05 - 0.1)/(43 - 26) | -0.00294118 |
| 0.146 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.146 - 0.1)/(44 - 26) | 0.00255556 |
| 0.258 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.258 - 0.1)/(45 - 26) | 0.00831579 |
| | | | |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(28 - 27) | 0 |

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| 0.24 (3/30/2020) | ND<0.1 U (8/27/2019) | (0.24 - 0.1)/(29 - 27) | 0.07 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(32 - 27) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (8/27/2019) | (0.39 - 0.1)/(33 - 27) | 0.0483333 |
| 0.181 (4/7/2022) | ND<0.1 U (8/27/2019) | (0.181 - 0.1)/(34 - 27) | 0.0115714 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(35 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(36 - 27) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (8/27/2019) | (0.325 - 0.1)/(37 - 27) | 0.0225 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(38 - 27) | -0.00454545 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (8/27/2019) | (0.103 - 0.1)/(40 - 27) | 0.000230769 |
| 0.348 (1/10/2024) | ND<0.1 U (8/27/2019) | (0.348 - 0.1)/(41 - 27) | 0.0177143 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/27/2019) | (0.1 - 0.1)/(42 - 27) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/27/2019) | (0.05 - 0.1)/(43 - 27) | -0.003125 |
| 0.146 (12/11/2024) | ND<0.1 U (8/27/2019) | (0.146 - 0.1)/(44 - 27) | 0.00270588 |
| 0.258 (2/18/2025) | ND<0.1 U (8/27/2019) | (0.258 - 0.1)/(45 - 27) | 0.00877778 |

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|---|---|---|---|
| 0.24 (3/30/2020) | ND<0.1 U (10/29/2019) | (0.24 - 0.1)/(29 - 28) | 0.14 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(31 - 28) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(32 - 28) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (10/29/2019) | (0.39 - 0.1)/(33 - 28) | 0.058 |
| 0.181 (4/7/2022) | ND<0.1 U (10/29/2019) | (0.181 - 0.1)/(34 - 28) | 0.0135 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(35 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(36 - 28) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (10/29/2019) | (0.325 - 0.1)/(37 - 28) | 0.025 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (10/29/2019) | (0.05 - 0.1)/(38 - 28) | -0.005 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(39 - 28) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (10/29/2019) | (0.103 - 0.1)/(40 - 28) | 0.00025 |
| 0.348 (1/10/2024) | ND<0.1 U (10/29/2019) | (0.348 - 0.1)/(41 - 28) | 0.0190769 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(42 - 28) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (10/29/2019) | (0.05 - 0.1)/(43 - 28) | -0.00333333 |
| 0.146 (12/11/2024) | ND<0.1 U (10/29/2019) | (0.146 - 0.1)/(44 - 28) | 0.002875 |
| 0.258 (2/18/2025) | ND<0.1 U (10/29/2019) | (0.258 - 0.1)/(45 - 28) | 0.00929412 |

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|---|---|---|---|
| ND<0.1 U (6/16/2020) | 0.24 (3/30/2020) | (0.1 - 0.24)/(30 - 29) | -0.14 |
| ND<0.1 U (9/21/2020) | 0.24 (3/30/2020) | (0.1 - 0.24)/(31 - 29) | -0.07 |
| ND<0.1 U (9/2/2021) | 0.24 (3/30/2020) | (0.1 - 0.24)/(32 - 29) | -0.0466667 |
| 0.39 (1/11/2022) | 0.24 (3/30/2020) | (0.39 - 0.24)/(33 - 29) | 0.0375 |
| 0.181 (4/7/2022) | 0.24 (3/30/2020) | (0.181 - 0.24)/(34 - 29) | -0.0118 |
| ND<0.1 U (8/2/2022) | 0.24 (3/30/2020) | (0.1 - 0.24)/(35 - 29) | -0.0233333 |
| ND<0.1 U (11/16/2022) | 0.24 (3/30/2020) | (0.1 - 0.24)/(36 - 29) | -0.02 |
| 0.325 (2/14/2023) | 0.24 (3/30/2020) | (0.325 - 0.24)/(37 - 29) | 0.010625 |
| ND<0.05 U (5/25/2023) | 0.24 (3/30/2020) | (0.05 - 0.24)/(38 - 29) | -0.0211111 |
| ND<0.1 U (8/7/2023) | 0.24 (3/30/2020) | (0.1 - 0.24)/(39 - 29) | -0.014 |
| 0.103 (12/12/2023) | 0.24 (3/30/2020) | (0.103 - 0.24)/(40 - 29) | -0.0124545 |
| 0.348 (1/10/2024) | 0.24 (3/30/2020) | (0.348 - 0.24)/(41 - 29) | 0.009 |
| ND<0.1 U (5/21/2024) | 0.24 (3/30/2020) | (0.1 - 0.24)/(42 - 29) | -0.0107692 |
| ND<0.05 U (9/16/2024) | 0.24 (3/30/2020) | (0.05 - 0.24)/(43 - 29) | -0.0135714 |
| 0.146 (12/11/2024) | 0.24 (3/30/2020) | (0.146 - 0.24)/(44 - 29) | -0.00626667 |
| 0.258 (2/18/2025) | 0.24 (3/30/2020) | (0.258 - 0.24)/(45 - 29) | 0.001125 |

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|---|---|---|---|
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(32 - 30) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (6/16/2020) | (0.39 - 0.1)/(33 - 30) | 0.0966667 |
| 0.181 (4/7/2022) | ND<0.1 U (6/16/2020) | (0.181 - 0.1)/(34 - 30) | 0.02025 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (6/16/2020) | (0.325 - 0.1)/(37 - 30) | 0.0321429 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (6/16/2020) | (0.05 - 0.1)/(38 - 30) | -0.00625 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (6/16/2020) | (0.103 - 0.1)/(40 - 30) | 0.0003 |
| 0.348 (1/10/2024) | ND<0.1 U (6/16/2020) | (0.348 - 0.1)/(41 - 30) | 0.0225455 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(42 - 30) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (6/16/2020) | (0.05 - 0.1)/(43 - 30) | -0.00384615 |
| 0.146 (12/11/2024) | ND<0.1 U (6/16/2020) | (0.146 - 0.1)/(44 - 30) | 0.00328571 |
| 0.258 (2/18/2025) | ND<0.1 U (6/16/2020) | (0.258 - 0.1)/(45 - 30) | 0.0105333 |
| | | | |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| 0.39 (1/11/2022) | ND<0.1 U (9/21/2020) | (0.39 - 0.1)/(33 - 31) | 0.145 |
| 0.181 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.181 - 0.1)/(34 - 31) | 0.027 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (9/21/2020) | (0.325 - 0.1)/(37 - 31) | 0.0375 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(38 - 31) | -0.00714286 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.103 - 0.1)/(40 - 31) | 0.000333333 |
| 0.348 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.348 - 0.1)/(41 - 31) | 0.0248 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(42 - 31) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/21/2020) | (0.05 - 0.1)/(43 - 31) | -0.00416667 |
| 0.146 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.146 - 0.1)/(44 - 31) | 0.00353846 |
| 0.258 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.258 - 0.1)/(45 - 31) | 0.0112857 |
| | | | |
| 0.39 (1/11/2022) | ND<0.1 U (9/2/2021) | (0.39 - 0.1)/(33 - 32) | 0.29 |
| 0.181 (4/7/2022) | ND<0.1 U (9/2/2021) | (0.181 - 0.1)/(34 - 32) | 0.0405 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(35 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(36 - 32) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (9/2/2021) | (0.325 - 0.1)/(37 - 32) | 0.045 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (9/2/2021) | (0.05 - 0.1)/(38 - 32) | -0.00833333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 32) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (9/2/2021) | (0.103 - 0.1)/(40 - 32) | 0.000375 |
| 0.348 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.348 - 0.1)/(41 - 32) | 0.0275556 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(42 - 32) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (9/2/2021) | (0.05 - 0.1)/(43 - 32) | -0.00454545 |
| 0.146 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.146 - 0.1)/(44 - 32) | 0.00383333 |
| 0.258 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.258 - 0.1)/(45 - 32) | 0.0121538 |
| | | | |
| 0.181 (4/7/2022) | 0.39 (1/11/2022) | (0.181 - 0.39)/(34 - 33) | -0.209 |
| ND<0.1 U (8/2/2022) | 0.39 (1/11/2022) | (0.1 - 0.39)/(35 - 33) | -0.145 |
| ND<0.1 U (11/16/2022) | 0.39 (1/11/2022) | (0.1 - 0.39)/(36 - 33) | -0.0966667 |
| 0.325 (2/14/2023) | 0.39 (1/11/2022) | (0.325 - 0.39)/(37 - 33) | -0.01625 |
| ND<0.05 U (5/25/2023) | 0.39 (1/11/2022) | (0.05 - 0.39)/(38 - 33) | -0.068 |
| ND<0.1 U (8/7/2023) | 0.39 (1/11/2022) | (0.1 - 0.39)/(39 - 33) | -0.0483333 |
| 0.103 (12/12/2023) | 0.39 (1/11/2022) | (0.103 - 0.39)/(40 - 33) | -0.041 |
| 0.348 (1/10/2024) | 0.39 (1/11/2022) | (0.348 - 0.39)/(41 - 33) | -0.00525 |
| ND<0.1 U (5/21/2024) | 0.39 (1/11/2022) | (0.1 - 0.39)/(42 - 33) | -0.0322222 |
| ND<0.05 U (9/16/2024) | 0.39 (1/11/2022) | (0.05 - 0.39)/(43 - 33) | -0.034 |
| 0.146 (12/11/2024) | 0.39 (1/11/2022) | (0.146 - 0.39)/(44 - 33) | -0.0221818 |
| 0.258 (2/18/2025) | 0.39 (1/11/2022) | (0.258 - 0.39)/(45 - 33) | -0.011 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.181 (4/7/2022) | (0.1 - 0.181)/(35 - 34) | -0.081 |
| ND<0.1 U (11/16/2022) | 0.181 (4/7/2022) | (0.1 - 0.181)/(36 - 34) | -0.0405 |
| 0.325 (2/14/2023) | 0.181 (4/7/2022) | (0.325 - 0.181)/(37 - 34) | 0.048 |

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|---|---|---|---|
| ND<0.05 U (5/25/2023) | 0.181 (4/7/2022) | (0.05 - 0.181)/(38 - 34) | -0.03275 |
| ND<0.1 U (8/7/2023) | 0.181 (4/7/2022) | (0.1 - 0.181)/(39 - 34) | -0.0162 |
| 0.103 (12/12/2023) | 0.181 (4/7/2022) | (0.103 - 0.181)/(40 - 34) | -0.013 |
| 0.348 (1/10/2024) | 0.181 (4/7/2022) | (0.348 - 0.181)/(41 - 34) | 0.0238571 |
| ND<0.1 U (5/21/2024) | 0.181 (4/7/2022) | (0.1 - 0.181)/(42 - 34) | -0.010125 |
| ND<0.05 U (9/16/2024) | 0.181 (4/7/2022) | (0.05 - 0.181)/(43 - 34) | -0.0145556 |
| 0.146 (12/11/2024) | 0.181 (4/7/2022) | (0.146 - 0.181)/(44 - 34) | -0.0035 |
| 0.258 (2/18/2025) | 0.181 (4/7/2022) | (0.258 - 0.181)/(45 - 34) | 0.007 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(36 - 35) | 0 |
| 0.325 (2/14/2023) | ND<0.1 U (8/2/2022) | (0.325 - 0.1)/(37 - 35) | 0.1125 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(38 - 35) | -0.0166667 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(39 - 35) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.103 - 0.1)/(40 - 35) | 0.0006 |
| 0.348 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.348 - 0.1)/(41 - 35) | 0.0413333 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(42 - 35) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(43 - 35) | -0.00625 |
| 0.146 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.146 - 0.1)/(44 - 35) | 0.00511111 |
| 0.258 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.258 - 0.1)/(45 - 35) | 0.0158 |
| | | | |
| 0.325 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.325 - 0.1)/(37 - 36) | 0.225 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(38 - 36) | -0.025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(39 - 36) | 0 |
| 0.103 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.103 - 0.1)/(40 - 36) | 0.00075 |
| 0.348 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.348 - 0.1)/(41 - 36) | 0.0496 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(42 - 36) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(43 - 36) | -0.00714286 |
| 0.146 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.146 - 0.1)/(44 - 36) | 0.00575 |
| 0.258 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.258 - 0.1)/(45 - 36) | 0.0175556 |
| | | | |
| ND<0.05 U (5/25/2023) | 0.325 (2/14/2023) | (0.05 - 0.325)/(38 - 37) | -0.275 |
| ND<0.1 U (8/7/2023) | 0.325 (2/14/2023) | (0.1 - 0.325)/(39 - 37) | -0.1125 |
| 0.103 (12/12/2023) | 0.325 (2/14/2023) | (0.103 - 0.325)/(40 - 37) | -0.074 |
| 0.348 (1/10/2024) | 0.325 (2/14/2023) | (0.348 - 0.325)/(41 - 37) | 0.00575 |
| ND<0.1 U (5/21/2024) | 0.325 (2/14/2023) | (0.1 - 0.325)/(42 - 37) | -0.045 |
| ND<0.05 U (9/16/2024) | 0.325 (2/14/2023) | (0.05 - 0.325)/(43 - 37) | -0.0458333 |
| 0.146 (12/11/2024) | 0.325 (2/14/2023) | (0.146 - 0.325)/(44 - 37) | -0.0255714 |
| 0.258 (2/18/2025) | 0.325 (2/14/2023) | (0.258 - 0.325)/(45 - 37) | -0.008375 |
| | | | |
| ND<0.1 U (8/7/2023) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(39 - 38) | 0.05 |
| 0.103 (12/12/2023) | ND<0.05 U (5/25/2023) | (0.103 - 0.05)/(40 - 38) | 0.0265 |
| 0.348 (1/10/2024) | ND<0.05 U (5/25/2023) | (0.348 - 0.05)/(41 - 38) | 0.0993333 |
| ND<0.1 U (5/21/2024) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(42 - 38) | 0.0125 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(43 - 38) | 0 |
| 0.146 (12/11/2024) | ND<0.05 U (5/25/2023) | (0.146 - 0.05)/(44 - 38) | 0.016 |
| 0.258 (2/18/2025) | ND<0.05 U (5/25/2023) | (0.258 - 0.05)/(45 - 38) | 0.0297143 |
| | | | |
| 0.103 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.103 - 0.1)/(40 - 39) | 0.003 |
| 0.348 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.348 - 0.1)/(41 - 39) | 0.124 |
| ND<0.1 U (5/21/2024) | ND<0.1 U (8/7/2023) | (0.1 - 0.1)/(42 - 39) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(43 - 39) | -0.0125 |
| 0.146 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.146 - 0.1)/(44 - 39) | 0.0092 |
| 0.258 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.258 - 0.1)/(45 - 39) | 0.0263333 |
| | | | |
| 0.348 (1/10/2024) | 0.103 (12/12/2023) | (0.348 - 0.103)/(41 - 40) | 0.245 |
| ND<0.1 U (5/21/2024) | 0.103 (12/12/2023) | (0.1 - 0.103)/(42 - 40) | -0.0015 |
| ND<0.05 U (9/16/2024) | 0.103 (12/12/2023) | (0.05 - 0.103)/(43 - 40) | -0.0176667 |

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|---|---|---|---|
| 0.146 (12/11/2024) | 0.103 (12/12/2023) | (0.146 - 0.103)/(44 - 40) | 0.01075 |
| 0.258 (2/18/2025) | 0.103 (12/12/2023) | (0.258 - 0.103)/(45 - 40) | 0.031 |
| | | | |
| ND<0.1 U (5/21/2024) | 0.348 (1/10/2024) | (0.1 - 0.348)/(42 - 41) | -0.248 |
| ND<0.05 U (9/16/2024) | 0.348 (1/10/2024) | (0.05 - 0.348)/(43 - 41) | -0.149 |
| 0.146 (12/11/2024) | 0.348 (1/10/2024) | (0.146 - 0.348)/(44 - 41) | -0.0673333 |
| 0.258 (2/18/2025) | 0.348 (1/10/2024) | (0.258 - 0.348)/(45 - 41) | -0.0225 |
| | | | |
| ND<0.05 U (9/16/2024) | ND<0.1 U (5/21/2024) | (0.05 - 0.1)/(43 - 42) | -0.05 |
| 0.146 (12/11/2024) | ND<0.1 U (5/21/2024) | (0.146 - 0.1)/(44 - 42) | 0.023 |
| 0.258 (2/18/2025) | ND<0.1 U (5/21/2024) | (0.258 - 0.1)/(45 - 42) | 0.0526667 |
| | | | |
| 0.146 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.146 - 0.05)/(44 - 43) | 0.096 |
| 0.258 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.258 - 0.05)/(45 - 43) | 0.104 |
| | | | |
| 0.258 (2/18/2025) | 0.146 (12/11/2024) | (0.258 - 0.146)/(45 - 44) | 0.112 |

Number of Q values = 990

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.275 |
| 2 | -0.248 |
| 3 | -0.209 |
| 4 | -0.2 |
| 5 | -0.17 |
| 6 | -0.15 |
| 7 | -0.149 |
| 8 | -0.145 |
| 9 | -0.14 |
| 10 | -0.134 |
| 11 | -0.12 |
| 12 | -0.1125 |
| 13 | -0.1 |
| 14 | -0.0966667 |
| 15 | -0.09 |
| 16 | -0.085 |
| 17 | -0.081 |
| 18 | -0.075 |
| 19 | -0.075 |
| 20 | -0.074 |
| 21 | -0.07 |
| 22 | -0.07 |
| 23 | -0.068 |
| 24 | -0.0673333 |
| 25 | -0.067 |
| 26 | -0.0666667 |
| 27 | -0.06 |
| 28 | -0.0566667 |
| 29 | -0.055 |
| 30 | -0.05 |
| 31 | -0.05 |
| 32 | -0.05 |
| 33 | -0.0483333 |
| 34 | -0.0466667 |
| 35 | -0.0458333 |

| | |
|---|---|
| 36 | -0.045 |
| 37 | -0.0446667 |
| 38 | -0.0433333 |
| 39 | -0.041 |
| 40 | -0.0405 |
| 41 | -0.04 |
| 42 | -0.04 |
| 43 | -0.0375 |
| 44 | -0.035 |
| 45 | -0.034 |
| 46 | -0.034 |
| 47 | -0.0333333 |
| 48 | -0.0333333 |
| 49 | -0.03275 |
| 50 | -0.0322222 |
| 51 | -0.03 |
| 52 | -0.0285714 |
| 53 | -0.0283333 |
| 54 | -0.028 |
| 55 | -0.0268 |
| 56 | -0.0255714 |
| 57 | -0.025 |
| 58 | -0.025 |
| 59 | -0.0242857 |
| 60 | -0.024 |
| 61 | -0.0233333 |
| 62 | -0.0233333 |
| 63 | -0.0225 |
| 64 | -0.0223333 |
| 65 | -0.0222222 |
| 66 | -0.0221818 |
| 67 | -0.0214286 |
| 68 | -0.0211111 |
| 69 | -0.02 |
| 70 | -0.02 |
| 71 | -0.02 |
| 72 | -0.02 |
| 73 | -0.02 |
| 74 | -0.02 |
| 75 | -0.02 |
| 76 | -0.02 |
| 77 | -0.0191429 |
| 78 | -0.0188889 |
| 79 | -0.01875 |
| 80 | -0.0181818 |
| 81 | -0.0176667 |
| 82 | -0.0175 |
| 83 | -0.0171429 |
| 84 | -0.017 |
| 85 | -0.0166667 |
| 86 | -0.0166667 |
| 87 | -0.0166667 |
| 88 | -0.01625 |
| 89 | -0.0162 |
| 90 | -0.0155556 |
| 91 | -0.0154545 |
| 92 | -0.0153846 |

| | |
|---|---|
| 93 | -0.015 |
| 94 | -0.015 |
| 95 | -0.0145556 |
| 96 | -0.0142857 |
| 97 | -0.0141538 |
| 98 | -0.014 |
| 99 | -0.014 |
| 100 | -0.014 |
| 101 | -0.0136364 |
| 102 | -0.0136364 |
| 103 | -0.0135714 |
| 104 | -0.0134 |
| 105 | -0.0133333 |
| 106 | -0.0133333 |
| 107 | -0.0130769 |
| 108 | -0.013 |
| 109 | -0.0127273 |
| 110 | -0.0125 |
| 111 | -0.0125 |
| 112 | -0.0125 |
| 113 | -0.0125 |
| 114 | -0.0124545 |
| 115 | -0.0121818 |
| 116 | -0.0121429 |
| 117 | -0.012 |
| 118 | -0.0118 |
| 119 | -0.0117647 |
| 120 | -0.0115385 |
| 121 | -0.0114286 |
| 122 | -0.0113333 |
| 123 | -0.0111111 |
| 124 | -0.011 |
| 125 | -0.0109091 |
| 126 | -0.0107692 |
| 127 | -0.0107692 |
| 128 | -0.0107143 |
| 129 | -0.0107143 |
| 130 | -0.0105263 |
| 131 | -0.0104762 |
| 132 | -0.0102222 |
| 133 | -0.010125 |
| 134 | -0.01 |
| 135 | -0.01 |
| 136 | -0.01 |
| 137 | -0.01 |
| 138 | -0.01 |
| 139 | -0.01 |
| 140 | -0.01 |
| 141 | -0.01 |
| 142 | -0.00957143 |
| 143 | -0.00944444 |
| 144 | -0.009375 |
| 145 | -0.00933333 |
| 146 | -0.00909091 |
| 147 | -0.00894737 |
| 148 | -0.00882353 |
| 149 | -0.00873333 |

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| 150 | -0.00869565 |
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| 152 | -0.00846154 |
| 153 | -0.008375 |
| 154 | -0.00833333 |
| 155 | -0.00833333 |
| 156 | -0.00833333 |
| 157 | -0.00833333 |
| 158 | -0.00833333 |
| 159 | -0.00833333 |
| 160 | -0.00823529 |
| 161 | -0.008 |
| 162 | -0.00789474 |
| 163 | -0.00789474 |
| 164 | -0.00788235 |
| 165 | -0.00777778 |
| 166 | -0.00772727 |
| 167 | -0.00772727 |
| 168 | -0.00769231 |
| 169 | -0.00769231 |
| 170 | -0.00769231 |
| 171 | -0.0075 |
| 172 | -0.0075 |
| 173 | -0.0075 |
| 174 | -0.00736842 |
| 175 | -0.0072963 |
| 176 | -0.00726087 |
| 177 | -0.00714286 |
| 178 | -0.00714286 |
| 179 | -0.00714286 |
| 180 | -0.00714286 |
| 181 | -0.007 |
| 182 | -0.00689655 |
| 183 | -0.00681818 |
| 184 | -0.0068 |
| 185 | -0.00666667 |
| 186 | -0.00666667 |
| 187 | -0.00666667 |
| 188 | -0.00655172 |
| 189 | -0.00652174 |
| 190 | -0.00652174 |
| 191 | -0.00645161 |
| 192 | -0.00636364 |
| 193 | -0.00626667 |
| 194 | -0.00625 |
| 195 | -0.00625 |
| 196 | -0.00625 |
| 197 | -0.00625 |
| 198 | -0.00615789 |
| 199 | -0.00608696 |
| 200 | -0.00606061 |
| 201 | -0.006 |
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| 204 | -0.00588235 |
| 205 | -0.00583333 |
| 206 | -0.00576923 |

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| 207 | -0.00571429 |
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| 218 | -0.00526316 |
| 219 | -0.00526316 |
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| 249 | -0.00416667 |
| 250 | -0.00411765 |
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| 252 | -0.00405405 |
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| 256 | -0.00384615 |
| 257 | -0.00384615 |
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| 294 | -0.0028 |
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| 298 | -0.00269231 |
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| 300 | -0.00266667 |
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| 330 | -0.00208333 |
| 331 | -0.00205882 |
| 332 | -0.002 |
| 333 | -0.002 |
| 334 | -0.002 |
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| 338 | -0.00189189 |
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| 342 | -0.00181818 |
| 343 | -0.00178571 |
| 344 | -0.00176471 |
| 345 | -0.00176316 |
| 346 | -0.00175 |
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| 348 | -0.00172414 |
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| 351 | -0.0016129 |
| 352 | -0.00157895 |
| 353 | -0.00156667 |
| 354 | -0.0015625 |
| 355 | -0.0015625 |
| 356 | -0.0015 |
| 357 | -0.0015 |
| 358 | -0.00147059 |
| 359 | -0.00142857 |
| 360 | -0.00142857 |
| 361 | -0.00142857 |
| 362 | -0.00138889 |
| 363 | -0.00135135 |
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| 366 | -0.00128205 |
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| 392 | -0.000416667 |
| 393 | -0.000375 |
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| 403 | 0 |
| 404 | 0 |
| 405 | 0 |
| 406 | 0 |
| 407 | 0 |
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| 414 | 0 |
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| 416 | 0 |
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| 429 | 0 |
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| 603 | 0 |
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| 646 | 0 |
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| 650 | 0 |
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| 652 | 8.33333e-05 |
| 653 | 8.82353e-05 |
| 654 | 9.09091e-05 |
| 655 | 0.000115385 |
| 656 | 0.00012 |
| 657 | 0.000125 |
| 658 | 0.000136364 |
| 659 | 0.000142857 |
| 660 | 0.00015 |
| 661 | 0.000166667 |
| 662 | 0.000176471 |

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| 663 | 0.0001875 |
| 664 | 0.0002 |
| 665 | 0.000214286 |
| 666 | 0.000230769 |
| 667 | 0.000242424 |
| 668 | 0.00025 |
| 669 | 0.0003 |
| 670 | 0.000333333 |
| 671 | 0.00034375 |
| 672 | 0.000375 |
| 673 | 0.000484848 |
| 674 | 0.0005 |
| 675 | 0.0006 |
| 676 | 0.000722222 |
| 677 | 0.00075 |
| 678 | 0.001 |
| 679 | 0.00104167 |
| 680 | 0.00112195 |
| 681 | 0.001125 |
| 682 | 0.00115 |
| 683 | 0.0012 |
| 684 | 0.00121053 |
| 685 | 0.00124324 |
| 686 | 0.00129167 |
| 687 | 0.00131818 |
| 688 | 0.00141667 |
| 689 | 0.00142857 |
| 690 | 0.0015 |
| 691 | 0.00153333 |
| 692 | 0.00158333 |
| 693 | 0.00158621 |
| 694 | 0.00164286 |
| 695 | 0.00166667 |
| 696 | 0.00171429 |
| 697 | 0.00176923 |
| 698 | 0.00184 |
| 699 | 0.00191667 |
| 700 | 0.00204651 |
| 701 | 0.00209091 |
| 702 | 0.00219048 |
| 703 | 0.00221739 |
| 704 | 0.0023 |
| 705 | 0.00234375 |
| 706 | 0.00234615 |
| 707 | 0.0025 |
| 708 | 0.00255556 |
| 709 | 0.00259259 |
| 710 | 0.0026129 |
| 711 | 0.00263158 |
| 712 | 0.0027 |
| 713 | 0.00270588 |
| 714 | 0.00272222 |
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| 716 | 0.00278261 |
| 717 | 0.002875 |
| 718 | 0.00289286 |
| 719 | 0.003 |

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| 720 | 0.003 |
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| 722 | 0.00303571 |
| 723 | 0.00308571 |
| 724 | 0.00325 |
| 725 | 0.00328571 |
| 726 | 0.00333333 |
| 727 | 0.00333333 |
| 728 | 0.003375 |
| 729 | 0.00337931 |
| 730 | 0.00347222 |
| 731 | 0.0035 |
| 732 | 0.00353846 |
| 733 | 0.0037 |
| 734 | 0.00372973 |
| 735 | 0.00375 |
| 736 | 0.00375 |
| 737 | 0.0037619 |
| 738 | 0.00376471 |
| 739 | 0.00383333 |
| 740 | 0.00385366 |
| 741 | 0.004 |
| 742 | 0.004 |
| 743 | 0.00405 |
| 744 | 0.00405128 |
| 745 | 0.00415789 |
| 746 | 0.00426316 |
| 747 | 0.00428571 |
| 748 | 0.004375 |
| 749 | 0.00442857 |
| 750 | 0.0045 |
| 751 | 0.0045 |
| 752 | 0.00454545 |
| 753 | 0.0045641 |
| 754 | 0.00473684 |
| 755 | 0.005 |
| 756 | 0.005 |
| 757 | 0.005 |
| 758 | 0.0050625 |
| 759 | 0.00509677 |
| 760 | 0.00511111 |
| 761 | 0.00526667 |
| 762 | 0.00538462 |
| 763 | 0.0054 |
| 764 | 0.00544828 |
| 765 | 0.0056 |
| 766 | 0.0056 |
| 767 | 0.00571429 |
| 768 | 0.00575 |
| 769 | 0.00575 |
| 770 | 0.00578571 |
| 771 | 0.00585185 |
| 772 | 0.0059375 |
| 773 | 0.006 |
| 774 | 0.00607692 |
| 775 | 0.00608696 |
| 776 | 0.00609091 |

| | |
|---|---|
| 777 | 0.00611111 |
| 778 | 0.00625 |
| 779 | 0.00625 |
| 780 | 0.00632 |
| 781 | 0.00636364 |
| 782 | 0.00636364 |
| 783 | 0.00638095 |
| 784 | 0.0063871 |
| 785 | 0.0064 |
| 786 | 0.00648148 |
| 787 | 0.00652632 |
| 788 | 0.0065625 |
| 789 | 0.00661765 |
| 790 | 0.00666667 |
| 791 | 0.00666667 |
| 792 | 0.00666667 |
| 793 | 0.0067027 |
| 794 | 0.00670588 |
| 795 | 0.00675 |
| 796 | 0.00681818 |
| 797 | 0.00686957 |
| 798 | 0.00690909 |
| 799 | 0.007 |
| 800 | 0.00705263 |
| 801 | 0.00705882 |
| 802 | 0.00706897 |
| 803 | 0.00708571 |
| 804 | 0.00709677 |
| 805 | 0.007125 |
| 806 | 0.00714286 |
| 807 | 0.00718182 |
| 808 | 0.00725806 |
| 809 | 0.00726667 |
| 810 | 0.00729412 |
| 811 | 0.00736364 |
| 812 | 0.00742857 |
| 813 | 0.00744444 |
| 814 | 0.0075 |
| 815 | 0.0075 |
| 816 | 0.0075 |
| 817 | 0.0075 |
| 818 | 0.00752381 |
| 819 | 0.00758333 |
| 820 | 0.00769231 |
| 821 | 0.008 |
| 822 | 0.008 |
| 823 | 0.0081 |
| 824 | 0.00831579 |
| 825 | 0.00833333 |
| 826 | 0.00833333 |
| 827 | 0.00857143 |
| 828 | 0.00877778 |
| 829 | 0.009 |
| 830 | 0.009 |
| 831 | 0.00918519 |
| 832 | 0.0092 |
| 833 | 0.00929412 |

| | |
|---|---|
| 834 | 0.00933333 |
| 835 | 0.00953846 |
| 836 | 0.00966667 |
| 837 | 0.00978261 |
| 838 | 0.00992 |
| 839 | 0.01 |
| 840 | 0.01 |
| 841 | 0.01 |
| 842 | 0.01 |
| 843 | 0.010125 |
| 844 | 0.0102273 |
| 845 | 0.0104348 |
| 846 | 0.0105333 |
| 847 | 0.010625 |
| 848 | 0.0107143 |
| 849 | 0.0107407 |
| 850 | 0.01075 |
| 851 | 0.0107692 |
| 852 | 0.0107826 |
| 853 | 0.0108 |
| 854 | 0.0111538 |
| 855 | 0.0112727 |
| 856 | 0.0112857 |
| 857 | 0.0115714 |
| 858 | 0.0118095 |
| 859 | 0.0118182 |
| 860 | 0.0118182 |
| 861 | 0.0118421 |
| 862 | 0.0121429 |
| 863 | 0.0121538 |
| 864 | 0.0121818 |
| 865 | 0.0125 |
| 866 | 0.0125 |
| 867 | 0.0125 |
| 868 | 0.0125 |
| 869 | 0.0127273 |
| 870 | 0.0130526 |
| 871 | 0.0130769 |
| 872 | 0.0132353 |
| 873 | 0.0134 |
| 874 | 0.0135 |
| 875 | 0.0137778 |
| 876 | 0.014 |
| 877 | 0.0141667 |
| 878 | 0.0145882 |
| 879 | 0.0148889 |
| 880 | 0.015 |
| 881 | 0.015 |
| 882 | 0.015 |
| 883 | 0.0152632 |
| 884 | 0.0154545 |
| 885 | 0.0155556 |
| 886 | 0.0158 |
| 887 | 0.016 |
| 888 | 0.0160714 |
| 889 | 0.0161111 |
| 890 | 0.0165333 |

| | |
|---|---|
| 891 | 0.0166667 |
| 892 | 0.0166667 |
| 893 | 0.0166667 |
| 894 | 0.017 |
| 895 | 0.0170588 |
| 896 | 0.0171429 |
| 897 | 0.0171429 |
| 898 | 0.0173077 |
| 899 | 0.0175556 |
| 900 | 0.0177143 |
| 901 | 0.01875 |
| 902 | 0.0190769 |
| 903 | 0.0191429 |
| 904 | 0.0193333 |
| 905 | 0.0195 |
| 906 | 0.02 |
| 907 | 0.02 |
| 908 | 0.02 |
| 909 | 0.02 |
| 910 | 0.02025 |
| 911 | 0.0204545 |
| 912 | 0.0207143 |
| 913 | 0.0222222 |
| 914 | 0.0223077 |
| 915 | 0.0223333 |
| 916 | 0.0225 |
| 917 | 0.0225455 |
| 918 | 0.023 |
| 919 | 0.0233333 |
| 920 | 0.0233333 |
| 921 | 0.0233333 |
| 922 | 0.0238571 |
| 923 | 0.024 |
| 924 | 0.0248 |
| 925 | 0.025 |
| 926 | 0.025 |
| 927 | 0.0263333 |
| 928 | 0.0263636 |
| 929 | 0.0265 |
| 930 | 0.0266667 |
| 931 | 0.0268 |
| 932 | 0.027 |
| 933 | 0.0275556 |
| 934 | 0.028 |
| 935 | 0.028 |
| 936 | 0.0285714 |
| 937 | 0.029 |
| 938 | 0.0297143 |
| 939 | 0.03 |
| 940 | 0.031 |
| 941 | 0.0321429 |
| 942 | 0.0322222 |
| 943 | 0.0325 |
| 944 | 0.0333333 |
| 945 | 0.036 |
| 946 | 0.0375 |
| 947 | 0.0375 |

| | |
|---|---|
| 948 | 0.04 |
| 949 | 0.0405 |
| 950 | 0.0413333 |
| 951 | 0.0414286 |
| 952 | 0.0446667 |
| 953 | 0.045 |
| 954 | 0.0466667 |
| 955 | 0.0466667 |
| 956 | 0.048 |
| 957 | 0.0483333 |
| 958 | 0.0496 |
| 959 | 0.05 |
| 960 | 0.05 |
| 961 | 0.05 |
| 962 | 0.05 |
| 963 | 0.0526667 |
| 964 | 0.0566667 |
| 965 | 0.058 |
| 966 | 0.06 |
| 967 | 0.067 |
| 968 | 0.07 |
| 969 | 0.07 |
| 970 | 0.075 |
| 971 | 0.085 |
| 972 | 0.085 |
| 973 | 0.096 |
| 974 | 0.0966667 |
| 975 | 0.0993333 |
| 976 | 0.104 |
| 977 | 0.112 |
| 978 | 0.1125 |
| 979 | 0.12 |
| 980 | 0.12 |
| 981 | 0.12 |
| 982 | 0.124 |
| 983 | 0.134 |
| 984 | 0.14 |
| 985 | 0.145 |
| 986 | 0.15 |
| 987 | 0.17 |
| 988 | 0.225 |
| 989 | 0.245 |
| 990 | 0.29 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 23 |
| 2 | 0.25 | 2 |
| 3 | 0.24 | 2 |
| 4 | 0.05 | 2 |

| Time Period | Observations |
|---|---|
| 3/13/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |

| | |
|---|---|
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 9/2/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 25860
B = 0
C = 10626
D = 0
E = 512
F = 0
a = 188100
b = 766260
c = 3960
Group Variance = 9013.33
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 156.16
M1 = (990 - 156.16)/2.0 = 416.92
M2 = (990 + 156.16)/2.0 + 1 = 574.08
Lower limit is 0 = Q(417)

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 4
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.319 (3/18/2021) | 0.387 (12/17/2020) | (0.319 - 0.387)/(2 - 1) | -0.068 |
| 0.213 (5/5/2021) | 0.387 (12/17/2020) | (0.213 - 0.387)/(3 - 1) | -0.087 |
| 0.164 (11/23/2021) | 0.387 (12/17/2020) | (0.164 - 0.387)/(4 - 1) | -0.0743333 |
| 0.44 (1/11/2022) | 0.387 (12/17/2020) | (0.44 - 0.387)/(5 - 1) | 0.01325 |
| 0.273 (4/7/2022) | 0.387 (12/17/2020) | (0.273 - 0.387)/(6 - 1) | -0.0228 |
| 0.102 (8/2/2022) | 0.387 (12/17/2020) | (0.102 - 0.387)/(7 - 1) | -0.0475 |
| ND<0.1 U (11/16/2022) | 0.387 (12/17/2020) | (0.1 - 0.387)/(8 - 1) | -0.041 |
| 0.416 (2/14/2023) | 0.387 (12/17/2020) | (0.416 - 0.387)/(9 - 1) | 0.003625 |
| ND<0.05 U (5/25/2023) | 0.387 (12/17/2020) | (0.05 - 0.387)/(10 - 1) | -0.0374444 |
| ND<0.1 U (8/7/2023) | 0.387 (12/17/2020) | (0.1 - 0.387)/(11 - 1) | -0.0287 |
| 0.14 (12/12/2023) | 0.387 (12/17/2020) | (0.14 - 0.387)/(12 - 1) | -0.0224545 |
| 0.354 (1/10/2024) | 0.387 (12/17/2020) | (0.354 - 0.387)/(13 - 1) | -0.00275 |
| 0.143 (5/21/2024) | 0.387 (12/17/2020) | (0.143 - 0.387)/(14 - 1) | -0.0187692 |
| ND<0.05 U (9/16/2024) | 0.387 (12/17/2020) | (0.05 - 0.387)/(15 - 1) | -0.0240714 |
| 0.202 (12/11/2024) | 0.387 (12/17/2020) | (0.202 - 0.387)/(16 - 1) | -0.0123333 |
| 0.368 (2/18/2025) | 0.387 (12/17/2020) | (0.368 - 0.387)/(17 - 1) | -0.0011875 |
| | | | |
| 0.213 (5/5/2021) | 0.319 (3/18/2021) | (0.213 - 0.319)/(3 - 2) | -0.106 |
| 0.164 (11/23/2021) | 0.319 (3/18/2021) | (0.164 - 0.319)/(4 - 2) | -0.0775 |
| 0.44 (1/11/2022) | 0.319 (3/18/2021) | (0.44 - 0.319)/(5 - 2) | 0.0403333 |
| 0.273 (4/7/2022) | 0.319 (3/18/2021) | (0.273 - 0.319)/(6 - 2) | -0.0115 |
| 0.102 (8/2/2022) | 0.319 (3/18/2021) | (0.102 - 0.319)/(7 - 2) | -0.0434 |
| ND<0.1 U (11/16/2022) | 0.319 (3/18/2021) | (0.1 - 0.319)/(8 - 2) | -0.0365 |
| 0.416 (2/14/2023) | 0.319 (3/18/2021) | (0.416 - 0.319)/(9 - 2) | 0.0138571 |
| ND<0.05 U (5/25/2023) | 0.319 (3/18/2021) | (0.05 - 0.319)/(10 - 2) | -0.033625 |
| ND<0.1 U (8/7/2023) | 0.319 (3/18/2021) | (0.1 - 0.319)/(11 - 2) | -0.0243333 |
| 0.14 (12/12/2023) | 0.319 (3/18/2021) | (0.14 - 0.319)/(12 - 2) | -0.0179 |
| 0.354 (1/10/2024) | 0.319 (3/18/2021) | (0.354 - 0.319)/(13 - 2) | 0.00318182 |
| 0.143 (5/21/2024) | 0.319 (3/18/2021) | (0.143 - 0.319)/(14 - 2) | -0.0146667 |
| ND<0.05 U (9/16/2024) | 0.319 (3/18/2021) | (0.05 - 0.319)/(15 - 2) | -0.0206923 |
| 0.202 (12/11/2024) | 0.319 (3/18/2021) | (0.202 - 0.319)/(16 - 2) | -0.00835714 |
| 0.368 (2/18/2025) | 0.319 (3/18/2021) | (0.368 - 0.319)/(17 - 2) | 0.00326667 |
| | | | |
| 0.164 (11/23/2021) | 0.213 (5/5/2021) | (0.164 - 0.213)/(4 - 3) | -0.049 |
| 0.44 (1/11/2022) | 0.213 (5/5/2021) | (0.44 - 0.213)/(5 - 3) | 0.1135 |
| 0.273 (4/7/2022) | 0.213 (5/5/2021) | (0.273 - 0.213)/(6 - 3) | 0.02 |
| 0.102 (8/2/2022) | 0.213 (5/5/2021) | (0.102 - 0.213)/(7 - 3) | -0.02775 |
| ND<0.1 U (11/16/2022) | 0.213 (5/5/2021) | (0.1 - 0.213)/(8 - 3) | -0.0226 |
| 0.416 (2/14/2023) | 0.213 (5/5/2021) | (0.416 - 0.213)/(9 - 3) | 0.0338333 |
| ND<0.05 U (5/25/2023) | 0.213 (5/5/2021) | (0.05 - 0.213)/(10 - 3) | -0.0232857 |
| ND<0.1 U (8/7/2023) | 0.213 (5/5/2021) | (0.1 - 0.213)/(11 - 3) | -0.014125 |
| 0.14 (12/12/2023) | 0.213 (5/5/2021) | (0.14 - 0.213)/(12 - 3) | -0.00811111 |
| 0.354 (1/10/2024) | 0.213 (5/5/2021) | (0.354 - 0.213)/(13 - 3) | 0.0141 |
| 0.143 (5/21/2024) | 0.213 (5/5/2021) | (0.143 - 0.213)/(14 - 3) | -0.00636364 |
| ND<0.05 U (9/16/2024) | 0.213 (5/5/2021) | (0.05 - 0.213)/(15 - 3) | -0.0135833 |
| 0.202 (12/11/2024) | 0.213 (5/5/2021) | (0.202 - 0.213)/(16 - 3) | -0.000846154 |
| 0.368 (2/18/2025) | 0.213 (5/5/2021) | (0.368 - 0.213)/(17 - 3) | 0.0110714 |

| | | | |
|---|---|---|---|
| 0.44 (1/11/2022) | 0.164 (11/23/2021) | (0.44 - 0.164)/(5 - 4) | 0.276 |
| 0.273 (4/7/2022) | 0.164 (11/23/2021) | (0.273 - 0.164)/(6 - 4) | 0.0545 |
| 0.102 (8/2/2022) | 0.164 (11/23/2021) | (0.102 - 0.164)/(7 - 4) | -0.0206667 |
| ND<0.1 U (11/16/2022) | 0.164 (11/23/2021) | (0.1 - 0.164)/(8 - 4) | -0.016 |
| 0.416 (2/14/2023) | 0.164 (11/23/2021) | (0.416 - 0.164)/(9 - 4) | 0.0504 |
| ND<0.05 U (5/25/2023) | 0.164 (11/23/2021) | (0.05 - 0.164)/(10 - 4) | -0.019 |
| ND<0.1 U (8/7/2023) | 0.164 (11/23/2021) | (0.1 - 0.164)/(11 - 4) | -0.00914286 |
| 0.14 (12/12/2023) | 0.164 (11/23/2021) | (0.14 - 0.164)/(12 - 4) | -0.003 |
| 0.354 (1/10/2024) | 0.164 (11/23/2021) | (0.354 - 0.164)/(13 - 4) | 0.0211111 |
| 0.143 (5/21/2024) | 0.164 (11/23/2021) | (0.143 - 0.164)/(14 - 4) | -0.0021 |
| ND<0.05 U (9/16/2024) | 0.164 (11/23/2021) | (0.05 - 0.164)/(15 - 4) | -0.0103636 |
| 0.202 (12/11/2024) | 0.164 (11/23/2021) | (0.202 - 0.164)/(16 - 4) | 0.00316667 |
| 0.368 (2/18/2025) | 0.164 (11/23/2021) | (0.368 - 0.164)/(17 - 4) | 0.0156923 |
| | | | |
| 0.273 (4/7/2022) | 0.44 (1/11/2022) | (0.273 - 0.44)/(6 - 5) | -0.167 |
| 0.102 (8/2/2022) | 0.44 (1/11/2022) | (0.102 - 0.44)/(7 - 5) | -0.169 |
| ND<0.1 U (11/16/2022) | 0.44 (1/11/2022) | (0.1 - 0.44)/(8 - 5) | -0.113333 |
| 0.416 (2/14/2023) | 0.44 (1/11/2022) | (0.416 - 0.44)/(9 - 5) | -0.006 |
| ND<0.05 U (5/25/2023) | 0.44 (1/11/2022) | (0.05 - 0.44)/(10 - 5) | -0.078 |
| ND<0.1 U (8/7/2023) | 0.44 (1/11/2022) | (0.1 - 0.44)/(11 - 5) | -0.0566667 |
| 0.14 (12/12/2023) | 0.44 (1/11/2022) | (0.14 - 0.44)/(12 - 5) | -0.0428571 |
| 0.354 (1/10/2024) | 0.44 (1/11/2022) | (0.354 - 0.44)/(13 - 5) | -0.01075 |
| 0.143 (5/21/2024) | 0.44 (1/11/2022) | (0.143 - 0.44)/(14 - 5) | -0.033 |
| ND<0.05 U (9/16/2024) | 0.44 (1/11/2022) | (0.05 - 0.44)/(15 - 5) | -0.039 |
| 0.202 (12/11/2024) | 0.44 (1/11/2022) | (0.202 - 0.44)/(16 - 5) | -0.0216364 |
| 0.368 (2/18/2025) | 0.44 (1/11/2022) | (0.368 - 0.44)/(17 - 5) | -0.006 |
| | | | |
| 0.102 (8/2/2022) | 0.273 (4/7/2022) | (0.102 - 0.273)/(7 - 6) | -0.171 |
| ND<0.1 U (11/16/2022) | 0.273 (4/7/2022) | (0.1 - 0.273)/(8 - 6) | -0.0865 |
| 0.416 (2/14/2023) | 0.273 (4/7/2022) | (0.416 - 0.273)/(9 - 6) | 0.0476667 |
| ND<0.05 U (5/25/2023) | 0.273 (4/7/2022) | (0.05 - 0.273)/(10 - 6) | -0.05575 |
| ND<0.1 U (8/7/2023) | 0.273 (4/7/2022) | (0.1 - 0.273)/(11 - 6) | -0.0346 |
| 0.14 (12/12/2023) | 0.273 (4/7/2022) | (0.14 - 0.273)/(12 - 6) | -0.0221667 |
| 0.354 (1/10/2024) | 0.273 (4/7/2022) | (0.354 - 0.273)/(13 - 6) | 0.0115714 |
| 0.143 (5/21/2024) | 0.273 (4/7/2022) | (0.143 - 0.273)/(14 - 6) | -0.01625 |
| ND<0.05 U (9/16/2024) | 0.273 (4/7/2022) | (0.05 - 0.273)/(15 - 6) | -0.0247778 |
| 0.202 (12/11/2024) | 0.273 (4/7/2022) | (0.202 - 0.273)/(16 - 6) | -0.0071 |
| 0.368 (2/18/2025) | 0.273 (4/7/2022) | (0.368 - 0.273)/(17 - 6) | 0.00863636 |
| | | | |
| ND<0.1 U (11/16/2022) | 0.102 (8/2/2022) | (0.1 - 0.102)/(8 - 7) | -0.002 |
| 0.416 (2/14/2023) | 0.102 (8/2/2022) | (0.416 - 0.102)/(9 - 7) | 0.157 |
| ND<0.05 U (5/25/2023) | 0.102 (8/2/2022) | (0.05 - 0.102)/(10 - 7) | -0.0173333 |
| ND<0.1 U (8/7/2023) | 0.102 (8/2/2022) | (0.1 - 0.102)/(11 - 7) | -0.0005 |
| 0.14 (12/12/2023) | 0.102 (8/2/2022) | (0.14 - 0.102)/(12 - 7) | 0.0076 |
| 0.354 (1/10/2024) | 0.102 (8/2/2022) | (0.354 - 0.102)/(13 - 7) | 0.042 |
| 0.143 (5/21/2024) | 0.102 (8/2/2022) | (0.143 - 0.102)/(14 - 7) | 0.00585714 |
| ND<0.05 U (9/16/2024) | 0.102 (8/2/2022) | (0.05 - 0.102)/(15 - 7) | -0.0065 |
| 0.202 (12/11/2024) | 0.102 (8/2/2022) | (0.202 - 0.102)/(16 - 7) | 0.0111111 |
| 0.368 (2/18/2025) | 0.102 (8/2/2022) | (0.368 - 0.102)/(17 - 7) | 0.0266 |
| | | | |
| 0.416 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.416 - 0.1)/(9 - 8) | 0.316 |
| ND<0.05 U (5/25/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(10 - 8) | -0.025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(11 - 8) | 0 |
| 0.14 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.14 - 0.1)/(12 - 8) | 0.01 |
| 0.354 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.354 - 0.1)/(13 - 8) | 0.0508 |
| 0.143 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.143 - 0.1)/(14 - 8) | 0.00716667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(15 - 8) | -0.00714286 |

| | | | |
|---|---|---|---|
| 0.202 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.202 - 0.1)/(16 - 8) | 0.01275 |
| 0.368 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.368 - 0.1)/(17 - 8) | 0.0297778 |
| | | | |
| ND<0.05 U (5/25/2023) | 0.416 (2/14/2023) | (0.05 - 0.416)/(10 - 9) | -0.366 |
| ND<0.1 U (8/7/2023) | 0.416 (2/14/2023) | (0.1 - 0.416)/(11 - 9) | -0.158 |
| 0.14 (12/12/2023) | 0.416 (2/14/2023) | (0.14 - 0.416)/(12 - 9) | -0.092 |
| 0.354 (1/10/2024) | 0.416 (2/14/2023) | (0.354 - 0.416)/(13 - 9) | -0.0155 |
| 0.143 (5/21/2024) | 0.416 (2/14/2023) | (0.143 - 0.416)/(14 - 9) | -0.0546 |
| ND<0.05 U (9/16/2024) | 0.416 (2/14/2023) | (0.05 - 0.416)/(15 - 9) | -0.061 |
| 0.202 (12/11/2024) | 0.416 (2/14/2023) | (0.202 - 0.416)/(16 - 9) | -0.0305714 |
| 0.368 (2/18/2025) | 0.416 (2/14/2023) | (0.368 - 0.416)/(17 - 9) | -0.006 |
| | | | |
| ND<0.1 U (8/7/2023) | ND<0.05 U (5/25/2023) | (0.1 - 0.05)/(11 - 10) | 0.05 |
| 0.14 (12/12/2023) | ND<0.05 U (5/25/2023) | (0.14 - 0.05)/(12 - 10) | 0.045 |
| 0.354 (1/10/2024) | ND<0.05 U (5/25/2023) | (0.354 - 0.05)/(13 - 10) | 0.101333 |
| 0.143 (5/21/2024) | ND<0.05 U (5/25/2023) | (0.143 - 0.05)/(14 - 10) | 0.02325 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (5/25/2023) | (0.05 - 0.05)/(15 - 10) | 0 |
| 0.202 (12/11/2024) | ND<0.05 U (5/25/2023) | (0.202 - 0.05)/(16 - 10) | 0.0253333 |
| 0.368 (2/18/2025) | ND<0.05 U (5/25/2023) | (0.368 - 0.05)/(17 - 10) | 0.0454286 |
| | | | |
| 0.14 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.14 - 0.1)/(12 - 11) | 0.04 |
| 0.354 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.354 - 0.1)/(13 - 11) | 0.127 |
| 0.143 (5/21/2024) | ND<0.1 U (8/7/2023) | (0.143 - 0.1)/(14 - 11) | 0.0143333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(15 - 11) | -0.0125 |
| 0.202 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.202 - 0.1)/(16 - 11) | 0.0204 |
| 0.368 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.368 - 0.1)/(17 - 11) | 0.0446667 |
| | | | |
| 0.354 (1/10/2024) | 0.14 (12/12/2023) | (0.354 - 0.14)/(13 - 12) | 0.214 |
| 0.143 (5/21/2024) | 0.14 (12/12/2023) | (0.143 - 0.14)/(14 - 12) | 0.0015 |
| ND<0.05 U (9/16/2024) | 0.14 (12/12/2023) | (0.05 - 0.14)/(15 - 12) | -0.03 |
| 0.202 (12/11/2024) | 0.14 (12/12/2023) | (0.202 - 0.14)/(16 - 12) | 0.0155 |
| 0.368 (2/18/2025) | 0.14 (12/12/2023) | (0.368 - 0.14)/(17 - 12) | 0.0456 |
| | | | |
| 0.143 (5/21/2024) | 0.354 (1/10/2024) | (0.143 - 0.354)/(14 - 13) | -0.211 |
| ND<0.05 U (9/16/2024) | 0.354 (1/10/2024) | (0.05 - 0.354)/(15 - 13) | -0.152 |
| 0.202 (12/11/2024) | 0.354 (1/10/2024) | (0.202 - 0.354)/(16 - 13) | -0.0506667 |
| 0.368 (2/18/2025) | 0.354 (1/10/2024) | (0.368 - 0.354)/(17 - 13) | 0.0035 |
| | | | |
| ND<0.05 U (9/16/2024) | 0.143 (5/21/2024) | (0.05 - 0.143)/(15 - 14) | -0.093 |
| 0.202 (12/11/2024) | 0.143 (5/21/2024) | (0.202 - 0.143)/(16 - 14) | 0.0295 |
| 0.368 (2/18/2025) | 0.143 (5/21/2024) | (0.368 - 0.143)/(17 - 14) | 0.075 |
| | | | |
| 0.202 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.202 - 0.05)/(16 - 15) | 0.152 |
| 0.368 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.368 - 0.05)/(17 - 15) | 0.159 |
| | | | |
| 0.368 (2/18/2025) | 0.202 (12/11/2024) | (0.368 - 0.202)/(17 - 16) | 0.166 |

Number of Q values = 136

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.366 |
| 2 | -0.211 |
| 3 | -0.171 |
| 4 | -0.169 |
| 5 | -0.167 |

| | |
|---|---|
| 6 | -0.158 |
| 7 | -0.152 |
| 8 | -0.113333 |
| 9 | -0.106 |
| 10 | -0.093 |
| 11 | -0.092 |
| 12 | -0.087 |
| 13 | -0.0865 |
| 14 | -0.078 |
| 15 | -0.0775 |
| 16 | -0.0743333 |
| 17 | -0.068 |
| 18 | -0.061 |
| 19 | -0.0566667 |
| 20 | -0.05575 |
| 21 | -0.0546 |
| 22 | -0.0506667 |
| 23 | -0.049 |
| 24 | -0.0475 |
| 25 | -0.0434 |
| 26 | -0.0428571 |
| 27 | -0.041 |
| 28 | -0.039 |
| 29 | -0.0374444 |
| 30 | -0.0365 |
| 31 | -0.0346 |
| 32 | -0.033625 |
| 33 | -0.033 |
| 34 | -0.0305714 |
| 35 | -0.03 |
| 36 | -0.0287 |
| 37 | -0.02775 |
| 38 | -0.025 |
| 39 | -0.0247778 |
| 40 | -0.0243333 |
| 41 | -0.0240714 |
| 42 | -0.0232857 |
| 43 | -0.0228 |
| 44 | -0.0226 |
| 45 | -0.0224545 |
| 46 | -0.0221667 |
| 47 | -0.0216364 |
| 48 | -0.0206923 |
| 49 | -0.0206667 |
| 50 | -0.019 |
| 51 | -0.0187692 |
| 52 | -0.0179 |
| 53 | -0.0173333 |
| 54 | -0.01625 |
| 55 | -0.016 |
| 56 | -0.0155 |
| 57 | -0.0146667 |
| 58 | -0.014125 |
| 59 | -0.0135833 |
| 60 | -0.0125 |
| 61 | -0.0123333 |
| 62 | -0.0115 |

| | |
|---|---|
| 63 | -0.01075 |
| 64 | -0.0103636 |
| 65 | -0.00914286 |
| 66 | -0.00835714 |
| 67 | -0.00811111 |
| 68 | -0.00714286 |
| 69 | -0.0071 |
| 70 | -0.0065 |
| 71 | -0.00636364 |
| 72 | -0.006 |
| 73 | -0.006 |
| 74 | -0.006 |
| 75 | -0.003 |
| 76 | -0.00275 |
| 77 | -0.0021 |
| 78 | -0.002 |
| 79 | -0.0011875 |
| 80 | -0.000846154 |
| 81 | -0.0005 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0.0015 |
| 85 | 0.00316667 |
| 86 | 0.00318182 |
| 87 | 0.00326667 |
| 88 | 0.0035 |
| 89 | 0.003625 |
| 90 | 0.00585714 |
| 91 | 0.00716667 |
| 92 | 0.0076 |
| 93 | 0.00863636 |
| 94 | 0.01 |
| 95 | 0.0110714 |
| 96 | 0.0111111 |
| 97 | 0.0115714 |
| 98 | 0.01275 |
| 99 | 0.01325 |
| 100 | 0.0138571 |
| 101 | 0.0141 |
| 102 | 0.0143333 |
| 103 | 0.0155 |
| 104 | 0.0156923 |
| 105 | 0.02 |
| 106 | 0.0204 |
| 107 | 0.0211111 |
| 108 | 0.02325 |
| 109 | 0.0253333 |
| 110 | 0.0266 |
| 111 | 0.0295 |
| 112 | 0.0297778 |
| 113 | 0.0338333 |
| 114 | 0.04 |
| 115 | 0.0403333 |
| 116 | 0.042 |
| 117 | 0.0446667 |
| 118 | 0.045 |
| 119 | 0.0454286 |

| | |
|---|---|
| 120 | 0.0456 |
| 121 | 0.0476667 |
| 122 | 0.05 |
| 123 | 0.0504 |
| 124 | 0.0508 |
| 125 | 0.0545 |
| 126 | 0.075 |
| 127 | 0.101333 |
| 128 | 0.1135 |
| 129 | 0.127 |
| 130 | 0.152 |
| 131 | 0.157 |
| 132 | 0.159 |
| 133 | 0.166 |
| 134 | 0.214 |
| 135 | 0.276 |
| 136 | 0.316 |

Sen's Estimator (Median Q) is -0.00712143

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 2 |
| 2 | 0.05 | 2 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 36
B = 0
C = 0
D = 0
E = 4
F = 0
a = 10608
b = 36720
c = 544
Group Variance = 587.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 39.8629
M1 = (136 - 39.8629)/2.0 = 48.0685
M2 = (136 + 39.8629)/2.0 + 1 = 88.9315

Lower limit is -0.0206923 = Q(48)
Upper limit is 0.003625 = Q(89)
-0.0206923 < 0 < 0.003625 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.316 (3/18/2021) | 0.371 (12/17/2020) | (0.316 - 0.371)/(2 - 1) | -0.055 |
| ND<0.1 U (5/5/2021) | 0.371 (12/17/2020) | (0.1 - 0.371)/(3 - 1) | -0.1355 |
| 0.128 (9/2/2021) | 0.371 (12/17/2020) | (0.128 - 0.371)/(4 - 1) | -0.081 |
| 0.231 (11/23/2021) | 0.371 (12/17/2020) | (0.231 - 0.371)/(5 - 1) | -0.035 |
| 0.45 (1/11/2022) | 0.371 (12/17/2020) | (0.45 - 0.371)/(6 - 1) | 0.0158 |
| 0.29 (4/7/2022) | 0.371 (12/17/2020) | (0.29 - 0.371)/(7 - 1) | -0.0135 |
| 0.102 (8/2/2022) | 0.371 (12/17/2020) | (0.102 - 0.371)/(8 - 1) | -0.0384286 |
| 0.113 (11/16/2022) | 0.371 (12/17/2020) | (0.113 - 0.371)/(9 - 1) | -0.03225 |
| 0.425 (2/14/2023) | 0.371 (12/17/2020) | (0.425 - 0.371)/(10 - 1) | 0.006 |
| 0.155 (5/25/2023) | 0.371 (12/17/2020) | (0.155 - 0.371)/(11 - 1) | -0.0216 |
| 0.0568 (8/7/2023) | 0.371 (12/17/2020) | (0.0568 - 0.371)/(12 - 1) | -0.0285636 |
| 0.127 (12/12/2023) | 0.371 (12/17/2020) | (0.127 - 0.371)/(13 - 1) | -0.0203333 |
| 0.488 (1/10/2024) | 0.371 (12/17/2020) | (0.488 - 0.371)/(14 - 1) | 0.009 |
| 0.179 (5/21/2024) | 0.371 (12/17/2020) | (0.179 - 0.371)/(15 - 1) | -0.0137143 |
| 0.0936 (9/16/2024) | 0.371 (12/17/2020) | (0.0936 - 0.371)/(16 - 1) | -0.0184933 |
| 0.213 (12/11/2024) | 0.371 (12/17/2020) | (0.213 - 0.371)/(17 - 1) | -0.009875 |
| 0.351 (2/18/2025) | 0.371 (12/17/2020) | (0.351 - 0.371)/(18 - 1) | -0.00117647 |
| | | | |
| ND<0.1 U (5/5/2021) | 0.316 (3/18/2021) | (0.1 - 0.316)/(3 - 2) | -0.216 |
| 0.128 (9/2/2021) | 0.316 (3/18/2021) | (0.128 - 0.316)/(4 - 2) | -0.094 |
| 0.231 (11/23/2021) | 0.316 (3/18/2021) | (0.231 - 0.316)/(5 - 2) | -0.0283333 |
| 0.45 (1/11/2022) | 0.316 (3/18/2021) | (0.45 - 0.316)/(6 - 2) | 0.0335 |
| 0.29 (4/7/2022) | 0.316 (3/18/2021) | (0.29 - 0.316)/(7 - 2) | -0.0052 |
| 0.102 (8/2/2022) | 0.316 (3/18/2021) | (0.102 - 0.316)/(8 - 2) | -0.0356667 |
| 0.113 (11/16/2022) | 0.316 (3/18/2021) | (0.113 - 0.316)/(9 - 2) | -0.029 |
| 0.425 (2/14/2023) | 0.316 (3/18/2021) | (0.425 - 0.316)/(10 - 2) | 0.013625 |
| 0.155 (5/25/2023) | 0.316 (3/18/2021) | (0.155 - 0.316)/(11 - 2) | -0.0178889 |
| 0.0568 (8/7/2023) | 0.316 (3/18/2021) | (0.0568 - 0.316)/(12 - 2) | -0.02592 |
| 0.127 (12/12/2023) | 0.316 (3/18/2021) | (0.127 - 0.316)/(13 - 2) | -0.0171818 |
| 0.488 (1/10/2024) | 0.316 (3/18/2021) | (0.488 - 0.316)/(14 - 2) | 0.0143333 |
| 0.179 (5/21/2024) | 0.316 (3/18/2021) | (0.179 - 0.316)/(15 - 2) | -0.0105385 |
| 0.0936 (9/16/2024) | 0.316 (3/18/2021) | (0.0936 - 0.316)/(16 - 2) | -0.0158857 |
| 0.213 (12/11/2024) | 0.316 (3/18/2021) | (0.213 - 0.316)/(17 - 2) | -0.00686667 |
| 0.351 (2/18/2025) | 0.316 (3/18/2021) | (0.351 - 0.316)/(18 - 2) | 0.0021875 |
| | | | |
| 0.128 (9/2/2021) | ND<0.1 U (5/5/2021) | (0.128 - 0.1)/(4 - 3) | 0.028 |
| 0.231 (11/23/2021) | ND<0.1 U (5/5/2021) | (0.231 - 0.1)/(5 - 3) | 0.0655 |
| 0.45 (1/11/2022) | ND<0.1 U (5/5/2021) | (0.45 - 0.1)/(6 - 3) | 0.116667 |
| 0.29 (4/7/2022) | ND<0.1 U (5/5/2021) | (0.29 - 0.1)/(7 - 3) | 0.0475 |
| 0.102 (8/2/2022) | ND<0.1 U (5/5/2021) | (0.102 - 0.1)/(8 - 3) | 0.0004 |
| 0.113 (11/16/2022) | ND<0.1 U (5/5/2021) | (0.113 - 0.1)/(9 - 3) | 0.00216667 |
| 0.425 (2/14/2023) | ND<0.1 U (5/5/2021) | (0.425 - 0.1)/(10 - 3) | 0.0464286 |
| 0.155 (5/25/2023) | ND<0.1 U (5/5/2021) | (0.155 - 0.1)/(11 - 3) | 0.006875 |
| 0.0568 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.0568 - 0.1)/(12 - 3) | -0.0048 |
| 0.127 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.127 - 0.1)/(13 - 3) | 0.0027 |
| 0.488 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.488 - 0.1)/(14 - 3) | 0.0352727 |
| 0.179 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.179 - 0.1)/(15 - 3) | 0.00658333 |
| 0.0936 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0936 - 0.1)/(16 - 3) | -0.000492308 |

| | | | |
|---|---|---|---|
| 0.213 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.213 - 0.1)/(17 - 3) | 0.00807143 |
| 0.351 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.351 - 0.1)/(18 - 3) | 0.0167333 |
| | | | |
| 0.231 (11/23/2021) | 0.128 (9/2/2021) | (0.231 - 0.128)/(5 - 4) | 0.103 |
| 0.45 (1/11/2022) | 0.128 (9/2/2021) | (0.45 - 0.128)/(6 - 4) | 0.161 |
| 0.29 (4/7/2022) | 0.128 (9/2/2021) | (0.29 - 0.128)/(7 - 4) | 0.054 |
| 0.102 (8/2/2022) | 0.128 (9/2/2021) | (0.102 - 0.128)/(8 - 4) | -0.0065 |
| 0.113 (11/16/2022) | 0.128 (9/2/2021) | (0.113 - 0.128)/(9 - 4) | -0.003 |
| 0.425 (2/14/2023) | 0.128 (9/2/2021) | (0.425 - 0.128)/(10 - 4) | 0.0495 |
| 0.155 (5/25/2023) | 0.128 (9/2/2021) | (0.155 - 0.128)/(11 - 4) | 0.00385714 |
| 0.0568 (8/7/2023) | 0.128 (9/2/2021) | (0.0568 - 0.128)/(12 - 4) | -0.0089 |
| 0.127 (12/12/2023) | 0.128 (9/2/2021) | (0.127 - 0.128)/(13 - 4) | -0.000111111 |
| 0.488 (1/10/2024) | 0.128 (9/2/2021) | (0.488 - 0.128)/(14 - 4) | 0.036 |
| 0.179 (5/21/2024) | 0.128 (9/2/2021) | (0.179 - 0.128)/(15 - 4) | 0.00463636 |
| 0.0936 (9/16/2024) | 0.128 (9/2/2021) | (0.0936 - 0.128)/(16 - 4) | -0.00286667 |
| 0.213 (12/11/2024) | 0.128 (9/2/2021) | (0.213 - 0.128)/(17 - 4) | 0.00653846 |
| 0.351 (2/18/2025) | 0.128 (9/2/2021) | (0.351 - 0.128)/(18 - 4) | 0.0159286 |
| | | | |
| 0.45 (1/11/2022) | 0.231 (11/23/2021) | (0.45 - 0.231)/(6 - 5) | 0.219 |
| 0.29 (4/7/2022) | 0.231 (11/23/2021) | (0.29 - 0.231)/(7 - 5) | 0.0295 |
| 0.102 (8/2/2022) | 0.231 (11/23/2021) | (0.102 - 0.231)/(8 - 5) | -0.043 |
| 0.113 (11/16/2022) | 0.231 (11/23/2021) | (0.113 - 0.231)/(9 - 5) | -0.0295 |
| 0.425 (2/14/2023) | 0.231 (11/23/2021) | (0.425 - 0.231)/(10 - 5) | 0.0388 |
| 0.155 (5/25/2023) | 0.231 (11/23/2021) | (0.155 - 0.231)/(11 - 5) | -0.0126667 |
| 0.0568 (8/7/2023) | 0.231 (11/23/2021) | (0.0568 - 0.231)/(12 - 5) | -0.0248857 |
| 0.127 (12/12/2023) | 0.231 (11/23/2021) | (0.127 - 0.231)/(13 - 5) | -0.013 |
| 0.488 (1/10/2024) | 0.231 (11/23/2021) | (0.488 - 0.231)/(14 - 5) | 0.0285556 |
| 0.179 (5/21/2024) | 0.231 (11/23/2021) | (0.179 - 0.231)/(15 - 5) | -0.0052 |
| 0.0936 (9/16/2024) | 0.231 (11/23/2021) | (0.0936 - 0.231)/(16 - 5) | -0.0124909 |
| 0.213 (12/11/2024) | 0.231 (11/23/2021) | (0.213 - 0.231)/(17 - 5) | -0.0015 |
| 0.351 (2/18/2025) | 0.231 (11/23/2021) | (0.351 - 0.231)/(18 - 5) | 0.00923077 |
| | | | |
| 0.29 (4/7/2022) | 0.45 (1/11/2022) | (0.29 - 0.45)/(7 - 6) | -0.16 |
| 0.102 (8/2/2022) | 0.45 (1/11/2022) | (0.102 - 0.45)/(8 - 6) | -0.174 |
| 0.113 (11/16/2022) | 0.45 (1/11/2022) | (0.113 - 0.45)/(9 - 6) | -0.112333 |
| 0.425 (2/14/2023) | 0.45 (1/11/2022) | (0.425 - 0.45)/(10 - 6) | -0.00625 |
| 0.155 (5/25/2023) | 0.45 (1/11/2022) | (0.155 - 0.45)/(11 - 6) | -0.059 |
| 0.0568 (8/7/2023) | 0.45 (1/11/2022) | (0.0568 - 0.45)/(12 - 6) | -0.0655333 |
| 0.127 (12/12/2023) | 0.45 (1/11/2022) | (0.127 - 0.45)/(13 - 6) | -0.0461429 |
| 0.488 (1/10/2024) | 0.45 (1/11/2022) | (0.488 - 0.45)/(14 - 6) | 0.00475 |
| 0.179 (5/21/2024) | 0.45 (1/11/2022) | (0.179 - 0.45)/(15 - 6) | -0.0301111 |
| 0.0936 (9/16/2024) | 0.45 (1/11/2022) | (0.0936 - 0.45)/(16 - 6) | -0.03564 |
| 0.213 (12/11/2024) | 0.45 (1/11/2022) | (0.213 - 0.45)/(17 - 6) | -0.0215455 |
| 0.351 (2/18/2025) | 0.45 (1/11/2022) | (0.351 - 0.45)/(18 - 6) | -0.00825 |
| | | | |
| 0.102 (8/2/2022) | 0.29 (4/7/2022) | (0.102 - 0.29)/(8 - 7) | -0.188 |
| 0.113 (11/16/2022) | 0.29 (4/7/2022) | (0.113 - 0.29)/(9 - 7) | -0.0885 |
| 0.425 (2/14/2023) | 0.29 (4/7/2022) | (0.425 - 0.29)/(10 - 7) | 0.045 |
| 0.155 (5/25/2023) | 0.29 (4/7/2022) | (0.155 - 0.29)/(11 - 7) | -0.03375 |
| 0.0568 (8/7/2023) | 0.29 (4/7/2022) | (0.0568 - 0.29)/(12 - 7) | -0.04664 |
| 0.127 (12/12/2023) | 0.29 (4/7/2022) | (0.127 - 0.29)/(13 - 7) | -0.0271667 |
| 0.488 (1/10/2024) | 0.29 (4/7/2022) | (0.488 - 0.29)/(14 - 7) | 0.0282857 |
| 0.179 (5/21/2024) | 0.29 (4/7/2022) | (0.179 - 0.29)/(15 - 7) | -0.013875 |
| 0.0936 (9/16/2024) | 0.29 (4/7/2022) | (0.0936 - 0.29)/(16 - 7) | -0.0218222 |
| 0.213 (12/11/2024) | 0.29 (4/7/2022) | (0.213 - 0.29)/(17 - 7) | -0.0077 |
| 0.351 (2/18/2025) | 0.29 (4/7/2022) | (0.351 - 0.29)/(18 - 7) | 0.00554545 |

| | | | |
|---|---|---|---|
| 0.113 (11/16/2022) | 0.102 (8/2/2022) | (0.113 - 0.102)/(9 - 8) | 0.011 |
| 0.425 (2/14/2023) | 0.102 (8/2/2022) | (0.425 - 0.102)/(10 - 8) | 0.1615 |
| 0.155 (5/25/2023) | 0.102 (8/2/2022) | (0.155 - 0.102)/(11 - 8) | 0.0176667 |
| 0.0568 (8/7/2023) | 0.102 (8/2/2022) | (0.0568 - 0.102)/(12 - 8) | -0.0113 |
| 0.127 (12/12/2023) | 0.102 (8/2/2022) | (0.127 - 0.102)/(13 - 8) | 0.005 |
| 0.488 (1/10/2024) | 0.102 (8/2/2022) | (0.488 - 0.102)/(14 - 8) | 0.0643333 |
| 0.179 (5/21/2024) | 0.102 (8/2/2022) | (0.179 - 0.102)/(15 - 8) | 0.011 |
| 0.0936 (9/16/2024) | 0.102 (8/2/2022) | (0.0936 - 0.102)/(16 - 8) | -0.00105 |
| 0.213 (12/11/2024) | 0.102 (8/2/2022) | (0.213 - 0.102)/(17 - 8) | 0.0123333 |
| 0.351 (2/18/2025) | 0.102 (8/2/2022) | (0.351 - 0.102)/(18 - 8) | 0.0249 |
| | | | |
| 0.425 (2/14/2023) | 0.113 (11/16/2022) | (0.425 - 0.113)/(10 - 9) | 0.312 |
| 0.155 (5/25/2023) | 0.113 (11/16/2022) | (0.155 - 0.113)/(11 - 9) | 0.021 |
| 0.0568 (8/7/2023) | 0.113 (11/16/2022) | (0.0568 - 0.113)/(12 - 9) | -0.0187333 |
| 0.127 (12/12/2023) | 0.113 (11/16/2022) | (0.127 - 0.113)/(13 - 9) | 0.0035 |
| 0.488 (1/10/2024) | 0.113 (11/16/2022) | (0.488 - 0.113)/(14 - 9) | 0.075 |
| 0.179 (5/21/2024) | 0.113 (11/16/2022) | (0.179 - 0.113)/(15 - 9) | 0.011 |
| 0.0936 (9/16/2024) | 0.113 (11/16/2022) | (0.0936 - 0.113)/(16 - 9) | -0.00277143 |
| 0.213 (12/11/2024) | 0.113 (11/16/2022) | (0.213 - 0.113)/(17 - 9) | 0.0125 |
| 0.351 (2/18/2025) | 0.113 (11/16/2022) | (0.351 - 0.113)/(18 - 9) | 0.0264444 |
| | | | |
| 0.155 (5/25/2023) | 0.425 (2/14/2023) | (0.155 - 0.425)/(11 - 10) | -0.27 |
| 0.0568 (8/7/2023) | 0.425 (2/14/2023) | (0.0568 - 0.425)/(12 - 10) | -0.1841 |
| 0.127 (12/12/2023) | 0.425 (2/14/2023) | (0.127 - 0.425)/(13 - 10) | -0.0993333 |
| 0.488 (1/10/2024) | 0.425 (2/14/2023) | (0.488 - 0.425)/(14 - 10) | 0.01575 |
| 0.179 (5/21/2024) | 0.425 (2/14/2023) | (0.179 - 0.425)/(15 - 10) | -0.0492 |
| 0.0936 (9/16/2024) | 0.425 (2/14/2023) | (0.0936 - 0.425)/(16 - 10) | -0.0552333 |
| 0.213 (12/11/2024) | 0.425 (2/14/2023) | (0.213 - 0.425)/(17 - 10) | -0.0302857 |
| 0.351 (2/18/2025) | 0.425 (2/14/2023) | (0.351 - 0.425)/(18 - 10) | -0.00925 |
| | | | |
| 0.0568 (8/7/2023) | 0.155 (5/25/2023) | (0.0568 - 0.155)/(12 - 11) | -0.0982 |
| 0.127 (12/12/2023) | 0.155 (5/25/2023) | (0.127 - 0.155)/(13 - 11) | -0.014 |
| 0.488 (1/10/2024) | 0.155 (5/25/2023) | (0.488 - 0.155)/(14 - 11) | 0.111 |
| 0.179 (5/21/2024) | 0.155 (5/25/2023) | (0.179 - 0.155)/(15 - 11) | 0.006 |
| 0.0936 (9/16/2024) | 0.155 (5/25/2023) | (0.0936 - 0.155)/(16 - 11) | -0.01228 |
| 0.213 (12/11/2024) | 0.155 (5/25/2023) | (0.213 - 0.155)/(17 - 11) | 0.00966667 |
| 0.351 (2/18/2025) | 0.155 (5/25/2023) | (0.351 - 0.155)/(18 - 11) | 0.028 |
| | | | |
| 0.127 (12/12/2023) | 0.0568 (8/7/2023) | (0.127 - 0.0568)/(13 - 12) | 0.0702 |
| 0.488 (1/10/2024) | 0.0568 (8/7/2023) | (0.488 - 0.0568)/(14 - 12) | 0.2156 |
| 0.179 (5/21/2024) | 0.0568 (8/7/2023) | (0.179 - 0.0568)/(15 - 12) | 0.0407333 |
| 0.0936 (9/16/2024) | 0.0568 (8/7/2023) | (0.0936 - 0.0568)/(16 - 12) | 0.0092 |
| 0.213 (12/11/2024) | 0.0568 (8/7/2023) | (0.213 - 0.0568)/(17 - 12) | 0.03124 |
| 0.351 (2/18/2025) | 0.0568 (8/7/2023) | (0.351 - 0.0568)/(18 - 12) | 0.0490333 |
| | | | |
| 0.488 (1/10/2024) | 0.127 (12/12/2023) | (0.488 - 0.127)/(14 - 13) | 0.361 |
| 0.179 (5/21/2024) | 0.127 (12/12/2023) | (0.179 - 0.127)/(15 - 13) | 0.026 |
| 0.0936 (9/16/2024) | 0.127 (12/12/2023) | (0.0936 - 0.127)/(16 - 13) | -0.0111333 |
| 0.213 (12/11/2024) | 0.127 (12/12/2023) | (0.213 - 0.127)/(17 - 13) | 0.0215 |
| 0.351 (2/18/2025) | 0.127 (12/12/2023) | (0.351 - 0.127)/(18 - 13) | 0.0448 |
| | | | |
| 0.179 (5/21/2024) | 0.488 (1/10/2024) | (0.179 - 0.488)/(15 - 14) | -0.309 |
| 0.0936 (9/16/2024) | 0.488 (1/10/2024) | (0.0936 - 0.488)/(16 - 14) | -0.1972 |
| 0.213 (12/11/2024) | 0.488 (1/10/2024) | (0.213 - 0.488)/(17 - 14) | -0.0916667 |
| 0.351 (2/18/2025) | 0.488 (1/10/2024) | (0.351 - 0.488)/(18 - 14) | -0.03425 |
| | | | |
| 0.0936 (9/16/2024) | 0.179 (5/21/2024) | (0.0936 - 0.179)/(16 - 15) | -0.0854 |

| | | | |
|---|---|---|---|
| 0.213 (12/11/2024) | 0.179 (5/21/2024) | (0.213 - 0.179)/(17 - 15) | 0.017 |
| 0.351 (2/18/2025) | 0.179 (5/21/2024) | (0.351 - 0.179)/(18 - 15) | 0.0573333 |
| 0.213 (12/11/2024) | 0.0936 (9/16/2024) | (0.213 - 0.0936)/(17 - 16) | 0.1194 |
| 0.351 (2/18/2025) | 0.0936 (9/16/2024) | (0.351 - 0.0936)/(18 - 16) | 0.1287 |
| 0.351 (2/18/2025) | 0.213 (12/11/2024) | (0.351 - 0.213)/(18 - 17) | 0.138 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.309 |
| 2 | -0.27 |
| 3 | -0.216 |
| 4 | -0.1972 |
| 5 | -0.188 |
| 6 | -0.1841 |
| 7 | -0.174 |
| 8 | -0.16 |
| 9 | -0.1355 |
| 10 | -0.112333 |
| 11 | -0.0993333 |
| 12 | -0.0982 |
| 13 | -0.094 |
| 14 | -0.0916667 |
| 15 | -0.0885 |
| 16 | -0.0854 |
| 17 | -0.081 |
| 18 | -0.0655333 |
| 19 | -0.059 |
| 20 | -0.0552333 |
| 21 | -0.055 |
| 22 | -0.0492 |
| 23 | -0.04664 |
| 24 | -0.0461429 |
| 25 | -0.043 |
| 26 | -0.0384286 |
| 27 | -0.0356667 |
| 28 | -0.03564 |
| 29 | -0.035 |
| 30 | -0.03425 |
| 31 | -0.03375 |
| 32 | -0.03225 |
| 33 | -0.0302857 |
| 34 | -0.0301111 |
| 35 | -0.0295 |
| 36 | -0.029 |
| 37 | -0.0285636 |
| 38 | -0.0283333 |
| 39 | -0.0271667 |
| 40 | -0.02592 |
| 41 | -0.0248857 |
| 42 | -0.0218222 |
| 43 | -0.0216 |
| 44 | -0.0215455 |

| | |
|---|---|
| 45 | -0.0203333 |
| 46 | -0.0187333 |
| 47 | -0.0184933 |
| 48 | -0.0178889 |
| 49 | -0.0171818 |
| 50 | -0.0158857 |
| 51 | -0.014 |
| 52 | -0.013875 |
| 53 | -0.0137143 |
| 54 | -0.0135 |
| 55 | -0.013 |
| 56 | -0.0126667 |
| 57 | -0.0124909 |
| 58 | -0.01228 |
| 59 | -0.0113 |
| 60 | -0.0111333 |
| 61 | -0.0105385 |
| 62 | -0.009875 |
| 63 | -0.00925 |
| 64 | -0.0089 |
| 65 | -0.00825 |
| 66 | -0.0077 |
| 67 | -0.00686667 |
| 68 | -0.0065 |
| 69 | -0.00625 |
| 70 | -0.0052 |
| 71 | -0.0052 |
| 72 | -0.0048 |
| 73 | -0.003 |
| 74 | -0.00286667 |
| 75 | -0.00277143 |
| 76 | -0.0015 |
| 77 | -0.00117647 |
| 78 | -0.00105 |
| 79 | -0.000492308 |
| 80 | -0.000111111 |
| 81 | 0.0004 |
| 82 | 0.00216667 |
| 83 | 0.0021875 |
| 84 | 0.0027 |
| 85 | 0.0035 |
| 86 | 0.00385714 |
| 87 | 0.00463636 |
| 88 | 0.00475 |
| 89 | 0.005 |
| 90 | 0.00554545 |
| 91 | 0.006 |
| 92 | 0.006 |
| 93 | 0.00653846 |
| 94 | 0.00658333 |
| 95 | 0.006875 |
| 96 | 0.00807143 |
| 97 | 0.009 |
| 98 | 0.0092 |
| 99 | 0.00923077 |
| 100 | 0.00966667 |
| 101 | 0.011 |

| | |
|---|---|
| 102 | 0.011 |
| 103 | 0.011 |
| 104 | 0.0123333 |
| 105 | 0.0125 |
| 106 | 0.013625 |
| 107 | 0.0143333 |
| 108 | 0.01575 |
| 109 | 0.0158 |
| 110 | 0.0159286 |
| 111 | 0.0167333 |
| 112 | 0.017 |
| 113 | 0.0176667 |
| 114 | 0.021 |
| 115 | 0.0215 |
| 116 | 0.0249 |
| 117 | 0.026 |
| 118 | 0.0264444 |
| 119 | 0.028 |
| 120 | 0.028 |
| 121 | 0.0282857 |
| 122 | 0.0285556 |
| 123 | 0.0295 |
| 124 | 0.03124 |
| 125 | 0.0335 |
| 126 | 0.0352727 |
| 127 | 0.036 |
| 128 | 0.0388 |
| 129 | 0.0407333 |
| 130 | 0.0448 |
| 131 | 0.045 |
| 132 | 0.0464286 |
| 133 | 0.0475 |
| 134 | 0.0490333 |
| 135 | 0.0495 |
| 136 | 0.054 |
| 137 | 0.0573333 |
| 138 | 0.0643333 |
| 139 | 0.0655 |
| 140 | 0.0702 |
| 141 | 0.075 |
| 142 | 0.103 |
| 143 | 0.111 |
| 144 | 0.116667 |
| 145 | 0.1194 |
| 146 | 0.1287 |
| 147 | 0.138 |
| 148 | 0.161 |
| 149 | 0.1615 |
| 150 | 0.2156 |
| 151 | 0.219 |
| 152 | 0.312 |
| 153 | 0.361 |

Sen's Estimator (Median Q) is -0.00117647

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |

| | |
|---|---|
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 0
B = 0
C = 0
D = 0
E = 0
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 697
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.4254
M1 = (153 - 43.4254)/2.0 = 54.7873
M2 = (153 + 43.4254)/2.0 + 1 = 99.2127
Lower limit is -0.013 = Q(55)
Upper limit is 0.00923077 = Q(99)
-0.013 < 0 < 0.00923077 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.358 (3/18/2021) | 0.368 (12/17/2020) | (0.358 - 0.368)/(2 - 1) | -0.01 |
| 0.183 (5/5/2021) | 0.368 (12/17/2020) | (0.183 - 0.368)/(3 - 1) | -0.0925 |
| 0.131 (9/2/2021) | 0.368 (12/17/2020) | (0.131 - 0.368)/(4 - 1) | -0.079 |
| 0.231 (11/23/2021) | 0.368 (12/17/2020) | (0.231 - 0.368)/(5 - 1) | -0.03425 |
| 0.45 (1/11/2022) | 0.368 (12/17/2020) | (0.45 - 0.368)/(6 - 1) | 0.0164 |
| 0.27 (4/7/2022) | 0.368 (12/17/2020) | (0.27 - 0.368)/(7 - 1) | -0.0163333 |
| ND<0.1 U (8/2/2022) | 0.368 (12/17/2020) | (0.1 - 0.368)/(8 - 1) | -0.0382857 |
| ND<0.1 U (11/16/2022) | 0.368 (12/17/2020) | (0.1 - 0.368)/(9 - 1) | -0.0335 |
| 0.374 (2/14/2023) | 0.368 (12/17/2020) | (0.374 - 0.368)/(10 - 1) | 0.000666667 |
| 0.0655 (5/25/2023) | 0.368 (12/17/2020) | (0.0655 - 0.368)/(11 - 1) | -0.03025 |
| ND<0.1 U (8/7/2023) | 0.368 (12/17/2020) | (0.1 - 0.368)/(12 - 1) | -0.0243636 |
| 0.11 (12/12/2023) | 0.368 (12/17/2020) | (0.11 - 0.368)/(13 - 1) | -0.0215 |
| 0.344 (1/10/2024) | 0.368 (12/17/2020) | (0.344 - 0.368)/(14 - 1) | -0.00184615 |
| 0.1 (5/21/2024) | 0.368 (12/17/2020) | (0.1 - 0.368)/(15 - 1) | -0.0191429 |
| ND<0.05 U (9/16/2024) | 0.368 (12/17/2020) | (0.05 - 0.368)/(16 - 1) | -0.0212 |
| 0.179 (12/11/2024) | 0.368 (12/17/2020) | (0.179 - 0.368)/(17 - 1) | -0.0118125 |
| 0.366 (2/18/2025) | 0.368 (12/17/2020) | (0.366 - 0.368)/(18 - 1) | -0.000117647 |
| | | | |
| 0.183 (5/5/2021) | 0.358 (3/18/2021) | (0.183 - 0.358)/(3 - 2) | -0.175 |
| 0.131 (9/2/2021) | 0.358 (3/18/2021) | (0.131 - 0.358)/(4 - 2) | -0.1135 |
| 0.231 (11/23/2021) | 0.358 (3/18/2021) | (0.231 - 0.358)/(5 - 2) | -0.0423333 |
| 0.45 (1/11/2022) | 0.358 (3/18/2021) | (0.45 - 0.358)/(6 - 2) | 0.023 |
| 0.27 (4/7/2022) | 0.358 (3/18/2021) | (0.27 - 0.358)/(7 - 2) | -0.0176 |
| ND<0.1 U (8/2/2022) | 0.358 (3/18/2021) | (0.1 - 0.358)/(8 - 2) | -0.043 |
| ND<0.1 U (11/16/2022) | 0.358 (3/18/2021) | (0.1 - 0.358)/(9 - 2) | -0.0368571 |
| 0.374 (2/14/2023) | 0.358 (3/18/2021) | (0.374 - 0.358)/(10 - 2) | 0.002 |
| 0.0655 (5/25/2023) | 0.358 (3/18/2021) | (0.0655 - 0.358)/(11 - 2) | -0.0325 |
| ND<0.1 U (8/7/2023) | 0.358 (3/18/2021) | (0.1 - 0.358)/(12 - 2) | -0.0258 |
| 0.11 (12/12/2023) | 0.358 (3/18/2021) | (0.11 - 0.358)/(13 - 2) | -0.0225455 |
| 0.344 (1/10/2024) | 0.358 (3/18/2021) | (0.344 - 0.358)/(14 - 2) | -0.00116667 |
| 0.1 (5/21/2024) | 0.358 (3/18/2021) | (0.1 - 0.358)/(15 - 2) | -0.0198462 |
| ND<0.05 U (9/16/2024) | 0.358 (3/18/2021) | (0.05 - 0.358)/(16 - 2) | -0.022 |
| 0.179 (12/11/2024) | 0.358 (3/18/2021) | (0.179 - 0.358)/(17 - 2) | -0.0119333 |
| 0.366 (2/18/2025) | 0.358 (3/18/2021) | (0.366 - 0.358)/(18 - 2) | 0.0005 |
| | | | |
| 0.131 (9/2/2021) | 0.183 (5/5/2021) | (0.131 - 0.183)/(4 - 3) | -0.052 |
| 0.231 (11/23/2021) | 0.183 (5/5/2021) | (0.231 - 0.183)/(5 - 3) | 0.024 |
| 0.45 (1/11/2022) | 0.183 (5/5/2021) | (0.45 - 0.183)/(6 - 3) | 0.089 |
| 0.27 (4/7/2022) | 0.183 (5/5/2021) | (0.27 - 0.183)/(7 - 3) | 0.02175 |
| ND<0.1 U (8/2/2022) | 0.183 (5/5/2021) | (0.1 - 0.183)/(8 - 3) | -0.0166 |
| ND<0.1 U (11/16/2022) | 0.183 (5/5/2021) | (0.1 - 0.183)/(9 - 3) | -0.0138333 |
| 0.374 (2/14/2023) | 0.183 (5/5/2021) | (0.374 - 0.183)/(10 - 3) | 0.0272857 |
| 0.0655 (5/25/2023) | 0.183 (5/5/2021) | (0.0655 - 0.183)/(11 - 3) | -0.0146875 |
| ND<0.1 U (8/7/2023) | 0.183 (5/5/2021) | (0.1 - 0.183)/(12 - 3) | -0.00922222 |
| 0.11 (12/12/2023) | 0.183 (5/5/2021) | (0.11 - 0.183)/(13 - 3) | -0.0073 |
| 0.344 (1/10/2024) | 0.183 (5/5/2021) | (0.344 - 0.183)/(14 - 3) | 0.0146364 |
| 0.1 (5/21/2024) | 0.183 (5/5/2021) | (0.1 - 0.183)/(15 - 3) | -0.00691667 |
| ND<0.05 U (9/16/2024) | 0.183 (5/5/2021) | (0.05 - 0.183)/(16 - 3) | -0.0102308 |

| | | | |
|---|---|---|---|
| 0.179 (12/11/2024) | 0.183 (5/5/2021) | (0.179 - 0.183)/(17 - 3) | -0.000285714 |
| 0.366 (2/18/2025) | 0.183 (5/5/2021) | (0.366 - 0.183)/(18 - 3) | 0.0122 |
| | | | |
| 0.231 (11/23/2021) | 0.131 (9/2/2021) | (0.231 - 0.131)/(5 - 4) | 0.1 |
| 0.45 (1/11/2022) | 0.131 (9/2/2021) | (0.45 - 0.131)/(6 - 4) | 0.1595 |
| 0.27 (4/7/2022) | 0.131 (9/2/2021) | (0.27 - 0.131)/(7 - 4) | 0.0463333 |
| ND<0.1 U (8/2/2022) | 0.131 (9/2/2021) | (0.1 - 0.131)/(8 - 4) | -0.00775 |
| ND<0.1 U (11/16/2022) | 0.131 (9/2/2021) | (0.1 - 0.131)/(9 - 4) | -0.0062 |
| 0.374 (2/14/2023) | 0.131 (9/2/2021) | (0.374 - 0.131)/(10 - 4) | 0.0405 |
| 0.0655 (5/25/2023) | 0.131 (9/2/2021) | (0.0655 - 0.131)/(11 - 4) | -0.00935714 |
| ND<0.1 U (8/7/2023) | 0.131 (9/2/2021) | (0.1 - 0.131)/(12 - 4) | -0.003875 |
| 0.11 (12/12/2023) | 0.131 (9/2/2021) | (0.11 - 0.131)/(13 - 4) | -0.00233333 |
| 0.344 (1/10/2024) | 0.131 (9/2/2021) | (0.344 - 0.131)/(14 - 4) | 0.0213 |
| 0.1 (5/21/2024) | 0.131 (9/2/2021) | (0.1 - 0.131)/(15 - 4) | -0.00281818 |
| ND<0.05 U (9/16/2024) | 0.131 (9/2/2021) | (0.05 - 0.131)/(16 - 4) | -0.00675 |
| 0.179 (12/11/2024) | 0.131 (9/2/2021) | (0.179 - 0.131)/(17 - 4) | 0.00369231 |
| 0.366 (2/18/2025) | 0.131 (9/2/2021) | (0.366 - 0.131)/(18 - 4) | 0.0167857 |
| | | | |
| 0.45 (1/11/2022) | 0.231 (11/23/2021) | (0.45 - 0.231)/(6 - 5) | 0.219 |
| 0.27 (4/7/2022) | 0.231 (11/23/2021) | (0.27 - 0.231)/(7 - 5) | 0.0195 |
| ND<0.1 U (8/2/2022) | 0.231 (11/23/2021) | (0.1 - 0.231)/(8 - 5) | -0.0436667 |
| ND<0.1 U (11/16/2022) | 0.231 (11/23/2021) | (0.1 - 0.231)/(9 - 5) | -0.03275 |
| 0.374 (2/14/2023) | 0.231 (11/23/2021) | (0.374 - 0.231)/(10 - 5) | 0.0286 |
| 0.0655 (5/25/2023) | 0.231 (11/23/2021) | (0.0655 - 0.231)/(11 - 5) | -0.0275833 |
| ND<0.1 U (8/7/2023) | 0.231 (11/23/2021) | (0.1 - 0.231)/(12 - 5) | -0.0187143 |
| 0.11 (12/12/2023) | 0.231 (11/23/2021) | (0.11 - 0.231)/(13 - 5) | -0.015125 |
| 0.344 (1/10/2024) | 0.231 (11/23/2021) | (0.344 - 0.231)/(14 - 5) | 0.0125556 |
| 0.1 (5/21/2024) | 0.231 (11/23/2021) | (0.1 - 0.231)/(15 - 5) | -0.0131 |
| ND<0.05 U (9/16/2024) | 0.231 (11/23/2021) | (0.05 - 0.231)/(16 - 5) | -0.0164545 |
| 0.179 (12/11/2024) | 0.231 (11/23/2021) | (0.179 - 0.231)/(17 - 5) | -0.00433333 |
| 0.366 (2/18/2025) | 0.231 (11/23/2021) | (0.366 - 0.231)/(18 - 5) | 0.0103846 |
| | | | |
| 0.27 (4/7/2022) | 0.45 (1/11/2022) | (0.27 - 0.45)/(7 - 6) | -0.18 |
| ND<0.1 U (8/2/2022) | 0.45 (1/11/2022) | (0.1 - 0.45)/(8 - 6) | -0.175 |
| ND<0.1 U (11/16/2022) | 0.45 (1/11/2022) | (0.1 - 0.45)/(9 - 6) | -0.116667 |
| 0.374 (2/14/2023) | 0.45 (1/11/2022) | (0.374 - 0.45)/(10 - 6) | -0.019 |
| 0.0655 (5/25/2023) | 0.45 (1/11/2022) | (0.0655 - 0.45)/(11 - 6) | -0.0769 |
| ND<0.1 U (8/7/2023) | 0.45 (1/11/2022) | (0.1 - 0.45)/(12 - 6) | -0.0583333 |
| 0.11 (12/12/2023) | 0.45 (1/11/2022) | (0.11 - 0.45)/(13 - 6) | -0.0485714 |
| 0.344 (1/10/2024) | 0.45 (1/11/2022) | (0.344 - 0.45)/(14 - 6) | -0.01325 |
| 0.1 (5/21/2024) | 0.45 (1/11/2022) | (0.1 - 0.45)/(15 - 6) | -0.0388889 |
| ND<0.05 U (9/16/2024) | 0.45 (1/11/2022) | (0.05 - 0.45)/(16 - 6) | -0.04 |
| 0.179 (12/11/2024) | 0.45 (1/11/2022) | (0.179 - 0.45)/(17 - 6) | -0.0246364 |
| 0.366 (2/18/2025) | 0.45 (1/11/2022) | (0.366 - 0.45)/(18 - 6) | -0.007 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.27 (4/7/2022) | (0.1 - 0.27)/(8 - 7) | -0.17 |
| ND<0.1 U (11/16/2022) | 0.27 (4/7/2022) | (0.1 - 0.27)/(9 - 7) | -0.085 |
| 0.374 (2/14/2023) | 0.27 (4/7/2022) | (0.374 - 0.27)/(10 - 7) | 0.0346667 |
| 0.0655 (5/25/2023) | 0.27 (4/7/2022) | (0.0655 - 0.27)/(11 - 7) | -0.051125 |
| ND<0.1 U (8/7/2023) | 0.27 (4/7/2022) | (0.1 - 0.27)/(12 - 7) | -0.034 |
| 0.11 (12/12/2023) | 0.27 (4/7/2022) | (0.11 - 0.27)/(13 - 7) | -0.0266667 |
| 0.344 (1/10/2024) | 0.27 (4/7/2022) | (0.344 - 0.27)/(14 - 7) | 0.0105714 |
| 0.1 (5/21/2024) | 0.27 (4/7/2022) | (0.1 - 0.27)/(15 - 7) | -0.02125 |
| ND<0.05 U (9/16/2024) | 0.27 (4/7/2022) | (0.05 - 0.27)/(16 - 7) | -0.0244444 |
| 0.179 (12/11/2024) | 0.27 (4/7/2022) | (0.179 - 0.27)/(17 - 7) | -0.0091 |
| 0.366 (2/18/2025) | 0.27 (4/7/2022) | (0.366 - 0.27)/(18 - 7) | 0.00872727 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(9 - 8) | 0 |
| 0.374 (2/14/2023) | ND<0.1 U (8/2/2022) | (0.374 - 0.1)/(10 - 8) | 0.137 |
| 0.0655 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0655 - 0.1)/(11 - 8) | -0.0115 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(12 - 8) | 0 |
| 0.11 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.11 - 0.1)/(13 - 8) | 0.002 |
| 0.344 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.344 - 0.1)/(14 - 8) | 0.0406667 |
| 0.1 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(15 - 8) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/2/2022) | (0.05 - 0.1)/(16 - 8) | -0.00625 |
| 0.179 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.179 - 0.1)/(17 - 8) | 0.00877778 |
| 0.366 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.366 - 0.1)/(18 - 8) | 0.0266 |
| | | | |
| 0.374 (2/14/2023) | ND<0.1 U (11/16/2022) | (0.374 - 0.1)/(10 - 9) | 0.274 |
| 0.0655 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0655 - 0.1)/(11 - 9) | -0.01725 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(12 - 9) | 0 |
| 0.11 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.11 - 0.1)/(13 - 9) | 0.0025 |
| 0.344 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.344 - 0.1)/(14 - 9) | 0.0488 |
| 0.1 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(15 - 9) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(16 - 9) | -0.00714286 |
| 0.179 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.179 - 0.1)/(17 - 9) | 0.009875 |
| 0.366 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.366 - 0.1)/(18 - 9) | 0.0295556 |
| | | | |
| 0.0655 (5/25/2023) | 0.374 (2/14/2023) | (0.0655 - 0.374)/(11 - 10) | -0.3085 |
| ND<0.1 U (8/7/2023) | 0.374 (2/14/2023) | (0.1 - 0.374)/(12 - 10) | -0.137 |
| 0.11 (12/12/2023) | 0.374 (2/14/2023) | (0.11 - 0.374)/(13 - 10) | -0.088 |
| 0.344 (1/10/2024) | 0.374 (2/14/2023) | (0.344 - 0.374)/(14 - 10) | -0.0075 |
| 0.1 (5/21/2024) | 0.374 (2/14/2023) | (0.1 - 0.374)/(15 - 10) | -0.0548 |
| ND<0.05 U (9/16/2024) | 0.374 (2/14/2023) | (0.05 - 0.374)/(16 - 10) | -0.054 |
| 0.179 (12/11/2024) | 0.374 (2/14/2023) | (0.179 - 0.374)/(17 - 10) | -0.0278571 |
| 0.366 (2/18/2025) | 0.374 (2/14/2023) | (0.366 - 0.374)/(18 - 10) | -0.001 |
| | | | |
| ND<0.1 U (8/7/2023) | 0.0655 (5/25/2023) | (0.1 - 0.0655)/(12 - 11) | 0.0345 |
| 0.11 (12/12/2023) | 0.0655 (5/25/2023) | (0.11 - 0.0655)/(13 - 11) | 0.02225 |
| 0.344 (1/10/2024) | 0.0655 (5/25/2023) | (0.344 - 0.0655)/(14 - 11) | 0.0928333 |
| 0.1 (5/21/2024) | 0.0655 (5/25/2023) | (0.1 - 0.0655)/(15 - 11) | 0.008625 |
| ND<0.05 U (9/16/2024) | 0.0655 (5/25/2023) | (0.05 - 0.0655)/(16 - 11) | -0.0031 |
| 0.179 (12/11/2024) | 0.0655 (5/25/2023) | (0.179 - 0.0655)/(17 - 11) | 0.0189167 |
| 0.366 (2/18/2025) | 0.0655 (5/25/2023) | (0.366 - 0.0655)/(18 - 11) | 0.0429286 |
| | | | |
| 0.11 (12/12/2023) | ND<0.1 U (8/7/2023) | (0.11 - 0.1)/(13 - 12) | 0.01 |
| 0.344 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.344 - 0.1)/(14 - 12) | 0.122 |
| 0.1 (5/21/2024) | ND<0.1 U (8/7/2023) | (0.1 - 0.1)/(15 - 12) | 0 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(16 - 12) | -0.0125 |
| 0.179 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.179 - 0.1)/(17 - 12) | 0.0158 |
| 0.366 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.366 - 0.1)/(18 - 12) | 0.0443333 |
| | | | |
| 0.344 (1/10/2024) | 0.11 (12/12/2023) | (0.344 - 0.11)/(14 - 13) | 0.234 |
| 0.1 (5/21/2024) | 0.11 (12/12/2023) | (0.1 - 0.11)/(15 - 13) | -0.005 |
| ND<0.05 U (9/16/2024) | 0.11 (12/12/2023) | (0.05 - 0.11)/(16 - 13) | -0.02 |
| 0.179 (12/11/2024) | 0.11 (12/12/2023) | (0.179 - 0.11)/(17 - 13) | 0.01725 |
| 0.366 (2/18/2025) | 0.11 (12/12/2023) | (0.366 - 0.11)/(18 - 13) | 0.0512 |
| | | | |
| 0.1 (5/21/2024) | 0.344 (1/10/2024) | (0.1 - 0.344)/(15 - 14) | -0.244 |
| ND<0.05 U (9/16/2024) | 0.344 (1/10/2024) | (0.05 - 0.344)/(16 - 14) | -0.147 |
| 0.179 (12/11/2024) | 0.344 (1/10/2024) | (0.179 - 0.344)/(17 - 14) | -0.055 |
| 0.366 (2/18/2025) | 0.344 (1/10/2024) | (0.366 - 0.344)/(18 - 14) | 0.0055 |
| | | | |
| ND<0.05 U (9/16/2024) | 0.1 (5/21/2024) | (0.05 - 0.1)/(16 - 15) | -0.05 |

| | | | |
|---|---|---|---|
| 0.179 (12/11/2024) | 0.1 (5/21/2024) | (0.179 - 0.1)/(17 - 15) | 0.0395 |
| 0.366 (2/18/2025) | 0.1 (5/21/2024) | (0.366 - 0.1)/(18 - 15) | 0.0886667 |
| 0.179 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.179 - 0.05)/(17 - 16) | 0.129 |
| 0.366 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.366 - 0.05)/(18 - 16) | 0.158 |
| 0.366 (2/18/2025) | 0.179 (12/11/2024) | (0.366 - 0.179)/(18 - 17) | 0.187 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.3085 |
| 2 | -0.244 |
| 3 | -0.18 |
| 4 | -0.175 |
| 5 | -0.175 |
| 6 | -0.17 |
| 7 | -0.147 |
| 8 | -0.137 |
| 9 | -0.116667 |
| 10 | -0.1135 |
| 11 | -0.0925 |
| 12 | -0.088 |
| 13 | -0.085 |
| 14 | -0.079 |
| 15 | -0.0769 |
| 16 | -0.0583333 |
| 17 | -0.055 |
| 18 | -0.0548 |
| 19 | -0.054 |
| 20 | -0.052 |
| 21 | -0.051125 |
| 22 | -0.05 |
| 23 | -0.0485714 |
| 24 | -0.0436667 |
| 25 | -0.043 |
| 26 | -0.0423333 |
| 27 | -0.04 |
| 28 | -0.0388889 |
| 29 | -0.0382857 |
| 30 | -0.0368571 |
| 31 | -0.03425 |
| 32 | -0.034 |
| 33 | -0.0335 |
| 34 | -0.03275 |
| 35 | -0.0325 |
| 36 | -0.03025 |
| 37 | -0.0278571 |
| 38 | -0.0275833 |
| 39 | -0.0266667 |
| 40 | -0.0258 |
| 41 | -0.0246364 |
| 42 | -0.0244444 |
| 43 | -0.0243636 |
| 44 | -0.0225455 |

| | |
|---|---|
| 45 | -0.022 |
| 46 | -0.0215 |
| 47 | -0.02125 |
| 48 | -0.0212 |
| 49 | -0.02 |
| 50 | -0.0198462 |
| 51 | -0.0191429 |
| 52 | -0.019 |
| 53 | -0.0187143 |
| 54 | -0.0176 |
| 55 | -0.01725 |
| 56 | -0.0166 |
| 57 | -0.0164545 |
| 58 | -0.0163333 |
| 59 | -0.015125 |
| 60 | -0.0146875 |
| 61 | -0.0138333 |
| 62 | -0.01325 |
| 63 | -0.0131 |
| 64 | -0.0125 |
| 65 | -0.0119333 |
| 66 | -0.0118125 |
| 67 | -0.0115 |
| 68 | -0.0102308 |
| 69 | -0.01 |
| 70 | -0.00935714 |
| 71 | -0.00922222 |
| 72 | -0.0091 |
| 73 | -0.00775 |
| 74 | -0.0075 |
| 75 | -0.0073 |
| 76 | -0.00714286 |
| 77 | -0.007 |
| 78 | -0.00691667 |
| 79 | -0.00675 |
| 80 | -0.00625 |
| 81 | -0.0062 |
| 82 | -0.005 |
| 83 | -0.00433333 |
| 84 | -0.003875 |
| 85 | -0.0031 |
| 86 | -0.00281818 |
| 87 | -0.00233333 |
| 88 | -0.00184615 |
| 89 | -0.00116667 |
| 90 | -0.001 |
| 91 | -0.000285714 |
| 92 | -0.000117647 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0.0005 |
| 100 | 0.000666667 |
| 101 | 0.002 |

| | |
|---|---|
| 102 | 0.002 |
| 103 | 0.0025 |
| 104 | 0.00369231 |
| 105 | 0.0055 |
| 106 | 0.008625 |
| 107 | 0.00872727 |
| 108 | 0.00877778 |
| 109 | 0.009875 |
| 110 | 0.01 |
| 111 | 0.0103846 |
| 112 | 0.0105714 |
| 113 | 0.0122 |
| 114 | 0.0125556 |
| 115 | 0.0146364 |
| 116 | 0.0158 |
| 117 | 0.0164 |
| 118 | 0.0167857 |
| 119 | 0.01725 |
| 120 | 0.0189167 |
| 121 | 0.0195 |
| 122 | 0.0213 |
| 123 | 0.02175 |
| 124 | 0.02225 |
| 125 | 0.023 |
| 126 | 0.024 |
| 127 | 0.0266 |
| 128 | 0.0272857 |
| 129 | 0.0286 |
| 130 | 0.0295556 |
| 131 | 0.0345 |
| 132 | 0.0346667 |
| 133 | 0.0395 |
| 134 | 0.0405 |
| 135 | 0.0406667 |
| 136 | 0.0429286 |
| 137 | 0.0443333 |
| 138 | 0.0463333 |
| 139 | 0.0488 |
| 140 | 0.0512 |
| 141 | 0.0886667 |
| 142 | 0.089 |
| 143 | 0.0928333 |
| 144 | 0.1 |
| 145 | 0.122 |
| 146 | 0.129 |
| 147 | 0.137 |
| 148 | 0.158 |
| 149 | 0.1595 |
| 150 | 0.187 |
| 151 | 0.219 |
| 152 | 0.234 |
| 153 | 0.274 |

Sen's Estimator (Median Q) is -0.007

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 4 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 156
B = 0
C = 24
D = 0
E = 12
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 688.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.1545
M1 = (153 - 43.1545)/2.0 = 54.9227
M2 = (153 + 43.1545)/2.0 + 1 = 99.0773
Lower limit is -0.01725 = Q(55)
Upper limit is 0.0005 = Q(99)
-0.01725 < 0 < 0.0005 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 7
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.429 (3/18/2021) | 0.884 (12/17/2020) | (0.429 - 0.884)/(2 - 1) | -0.455 |
| 1.09 (5/5/2021) | 0.884 (12/17/2020) | (1.09 - 0.884)/(3 - 1) | 0.103 |
| 0.491 (9/2/2021) | 0.884 (12/17/2020) | (0.491 - 0.884)/(4 - 1) | -0.131 |
| 0.367 (11/23/2021) | 0.884 (12/17/2020) | (0.367 - 0.884)/(5 - 1) | -0.12925 |
| 0.832 (1/10/2022) | 0.884 (12/17/2020) | (0.832 - 0.884)/(6 - 1) | -0.0104 |
| 0.549 (4/7/2022) | 0.884 (12/17/2020) | (0.549 - 0.884)/(7 - 1) | -0.0558333 |
| 0.742 (8/3/2022) | 0.884 (12/17/2020) | (0.742 - 0.884)/(8 - 1) | -0.0202857 |
| 0.424 (11/16/2022) | 0.884 (12/17/2020) | (0.424 - 0.884)/(9 - 1) | -0.0575 |
| 0.737 (2/13/2023) | 0.884 (12/17/2020) | (0.737 - 0.884)/(10 - 1) | -0.0163333 |
| 0.749 (5/24/2023) | 0.884 (12/17/2020) | (0.749 - 0.884)/(11 - 1) | -0.0135 |
| 0.916 (8/7/2023) | 0.884 (12/17/2020) | (0.916 - 0.884)/(12 - 1) | 0.00290909 |
| 0.584 (12/12/2023) | 0.884 (12/17/2020) | (0.584 - 0.884)/(13 - 1) | -0.025 |
| 0.729 (1/10/2024) | 0.884 (12/17/2020) | (0.729 - 0.884)/(14 - 1) | -0.0119231 |
| 0.821 (5/20/2024) | 0.884 (12/17/2020) | (0.821 - 0.884)/(15 - 1) | -0.0045 |
| 1.58 (9/16/2024) | 0.884 (12/17/2020) | (1.58 - 0.884)/(16 - 1) | 0.0464 |
| 1.06 (12/11/2024) | 0.884 (12/17/2020) | (1.06 - 0.884)/(17 - 1) | 0.011 |
| 1.09 (2/18/2025) | 0.884 (12/17/2020) | (1.09 - 0.884)/(18 - 1) | 0.0121176 |
| | | | |
| 1.09 (5/5/2021) | 0.429 (3/18/2021) | (1.09 - 0.429)/(3 - 2) | 0.661 |
| 0.491 (9/2/2021) | 0.429 (3/18/2021) | (0.491 - 0.429)/(4 - 2) | 0.031 |
| 0.367 (11/23/2021) | 0.429 (3/18/2021) | (0.367 - 0.429)/(5 - 2) | -0.0206667 |
| 0.832 (1/10/2022) | 0.429 (3/18/2021) | (0.832 - 0.429)/(6 - 2) | 0.10075 |
| 0.549 (4/7/2022) | 0.429 (3/18/2021) | (0.549 - 0.429)/(7 - 2) | 0.024 |
| 0.742 (8/3/2022) | 0.429 (3/18/2021) | (0.742 - 0.429)/(8 - 2) | 0.0521667 |
| 0.424 (11/16/2022) | 0.429 (3/18/2021) | (0.424 - 0.429)/(9 - 2) | -0.000714286 |
| 0.737 (2/13/2023) | 0.429 (3/18/2021) | (0.737 - 0.429)/(10 - 2) | 0.0385 |
| 0.749 (5/24/2023) | 0.429 (3/18/2021) | (0.749 - 0.429)/(11 - 2) | 0.0355556 |
| 0.916 (8/7/2023) | 0.429 (3/18/2021) | (0.916 - 0.429)/(12 - 2) | 0.0487 |
| 0.584 (12/12/2023) | 0.429 (3/18/2021) | (0.584 - 0.429)/(13 - 2) | 0.0140909 |
| 0.729 (1/10/2024) | 0.429 (3/18/2021) | (0.729 - 0.429)/(14 - 2) | 0.025 |
| 0.821 (5/20/2024) | 0.429 (3/18/2021) | (0.821 - 0.429)/(15 - 2) | 0.0301538 |
| 1.58 (9/16/2024) | 0.429 (3/18/2021) | (1.58 - 0.429)/(16 - 2) | 0.0822143 |
| 1.06 (12/11/2024) | 0.429 (3/18/2021) | (1.06 - 0.429)/(17 - 2) | 0.0420667 |
| 1.09 (2/18/2025) | 0.429 (3/18/2021) | (1.09 - 0.429)/(18 - 2) | 0.0413125 |
| | | | |
| 0.491 (9/2/2021) | 1.09 (5/5/2021) | (0.491 - 1.09)/(4 - 3) | -0.599 |
| 0.367 (11/23/2021) | 1.09 (5/5/2021) | (0.367 - 1.09)/(5 - 3) | -0.3615 |
| 0.832 (1/10/2022) | 1.09 (5/5/2021) | (0.832 - 1.09)/(6 - 3) | -0.086 |
| 0.549 (4/7/2022) | 1.09 (5/5/2021) | (0.549 - 1.09)/(7 - 3) | -0.13525 |
| 0.742 (8/3/2022) | 1.09 (5/5/2021) | (0.742 - 1.09)/(8 - 3) | -0.0696 |
| 0.424 (11/16/2022) | 1.09 (5/5/2021) | (0.424 - 1.09)/(9 - 3) | -0.111 |
| 0.737 (2/13/2023) | 1.09 (5/5/2021) | (0.737 - 1.09)/(10 - 3) | -0.0504286 |
| 0.749 (5/24/2023) | 1.09 (5/5/2021) | (0.749 - 1.09)/(11 - 3) | -0.042625 |
| 0.916 (8/7/2023) | 1.09 (5/5/2021) | (0.916 - 1.09)/(12 - 3) | -0.0193333 |
| 0.584 (12/12/2023) | 1.09 (5/5/2021) | (0.584 - 1.09)/(13 - 3) | -0.0506 |
| 0.729 (1/10/2024) | 1.09 (5/5/2021) | (0.729 - 1.09)/(14 - 3) | -0.0328182 |
| 0.821 (5/20/2024) | 1.09 (5/5/2021) | (0.821 - 1.09)/(15 - 3) | -0.0224167 |
| 1.58 (9/16/2024) | 1.09 (5/5/2021) | (1.58 - 1.09)/(16 - 3) | 0.0376923 |

| | | | |
|---|---|---|---|
| 1.06 (12/11/2024) | 1.09 (5/5/2021) | (1.06 - 1.09)/(17 - 3) | -0.00214286 |
| 1.09 (2/18/2025) | 1.09 (5/5/2021) | (1.09 - 1.09)/(18 - 3) | 0 |
| | | | |
| 0.367 (11/23/2021) | 0.491 (9/2/2021) | (0.367 - 0.491)/(5 - 4) | -0.124 |
| 0.832 (1/10/2022) | 0.491 (9/2/2021) | (0.832 - 0.491)/(6 - 4) | 0.1705 |
| 0.549 (4/7/2022) | 0.491 (9/2/2021) | (0.549 - 0.491)/(7 - 4) | 0.0193333 |
| 0.742 (8/3/2022) | 0.491 (9/2/2021) | (0.742 - 0.491)/(8 - 4) | 0.06275 |
| 0.424 (11/16/2022) | 0.491 (9/2/2021) | (0.424 - 0.491)/(9 - 4) | -0.0134 |
| 0.737 (2/13/2023) | 0.491 (9/2/2021) | (0.737 - 0.491)/(10 - 4) | 0.041 |
| 0.749 (5/24/2023) | 0.491 (9/2/2021) | (0.749 - 0.491)/(11 - 4) | 0.0368571 |
| 0.916 (8/7/2023) | 0.491 (9/2/2021) | (0.916 - 0.491)/(12 - 4) | 0.053125 |
| 0.584 (12/12/2023) | 0.491 (9/2/2021) | (0.584 - 0.491)/(13 - 4) | 0.0103333 |
| 0.729 (1/10/2024) | 0.491 (9/2/2021) | (0.729 - 0.491)/(14 - 4) | 0.0238 |
| 0.821 (5/20/2024) | 0.491 (9/2/2021) | (0.821 - 0.491)/(15 - 4) | 0.03 |
| 1.58 (9/16/2024) | 0.491 (9/2/2021) | (1.58 - 0.491)/(16 - 4) | 0.09075 |
| 1.06 (12/11/2024) | 0.491 (9/2/2021) | (1.06 - 0.491)/(17 - 4) | 0.0437692 |
| 1.09 (2/18/2025) | 0.491 (9/2/2021) | (1.09 - 0.491)/(18 - 4) | 0.0427857 |
| | | | |
| 0.832 (1/10/2022) | 0.367 (11/23/2021) | (0.832 - 0.367)/(6 - 5) | 0.465 |
| 0.549 (4/7/2022) | 0.367 (11/23/2021) | (0.549 - 0.367)/(7 - 5) | 0.091 |
| 0.742 (8/3/2022) | 0.367 (11/23/2021) | (0.742 - 0.367)/(8 - 5) | 0.125 |
| 0.424 (11/16/2022) | 0.367 (11/23/2021) | (0.424 - 0.367)/(9 - 5) | 0.01425 |
| 0.737 (2/13/2023) | 0.367 (11/23/2021) | (0.737 - 0.367)/(10 - 5) | 0.074 |
| 0.749 (5/24/2023) | 0.367 (11/23/2021) | (0.749 - 0.367)/(11 - 5) | 0.0636667 |
| 0.916 (8/7/2023) | 0.367 (11/23/2021) | (0.916 - 0.367)/(12 - 5) | 0.0784286 |
| 0.584 (12/12/2023) | 0.367 (11/23/2021) | (0.584 - 0.367)/(13 - 5) | 0.027125 |
| 0.729 (1/10/2024) | 0.367 (11/23/2021) | (0.729 - 0.367)/(14 - 5) | 0.0402222 |
| 0.821 (5/20/2024) | 0.367 (11/23/2021) | (0.821 - 0.367)/(15 - 5) | 0.0454 |
| 1.58 (9/16/2024) | 0.367 (11/23/2021) | (1.58 - 0.367)/(16 - 5) | 0.110273 |
| 1.06 (12/11/2024) | 0.367 (11/23/2021) | (1.06 - 0.367)/(17 - 5) | 0.05775 |
| 1.09 (2/18/2025) | 0.367 (11/23/2021) | (1.09 - 0.367)/(18 - 5) | 0.0556154 |
| | | | |
| 0.549 (4/7/2022) | 0.832 (1/10/2022) | (0.549 - 0.832)/(7 - 6) | -0.283 |
| 0.742 (8/3/2022) | 0.832 (1/10/2022) | (0.742 - 0.832)/(8 - 6) | -0.045 |
| 0.424 (11/16/2022) | 0.832 (1/10/2022) | (0.424 - 0.832)/(9 - 6) | -0.136 |
| 0.737 (2/13/2023) | 0.832 (1/10/2022) | (0.737 - 0.832)/(10 - 6) | -0.02375 |
| 0.749 (5/24/2023) | 0.832 (1/10/2022) | (0.749 - 0.832)/(11 - 6) | -0.0166 |
| 0.916 (8/7/2023) | 0.832 (1/10/2022) | (0.916 - 0.832)/(12 - 6) | 0.014 |
| 0.584 (12/12/2023) | 0.832 (1/10/2022) | (0.584 - 0.832)/(13 - 6) | -0.0354286 |
| 0.729 (1/10/2024) | 0.832 (1/10/2022) | (0.729 - 0.832)/(14 - 6) | -0.012875 |
| 0.821 (5/20/2024) | 0.832 (1/10/2022) | (0.821 - 0.832)/(15 - 6) | -0.00122222 |
| 1.58 (9/16/2024) | 0.832 (1/10/2022) | (1.58 - 0.832)/(16 - 6) | 0.0748 |
| 1.06 (12/11/2024) | 0.832 (1/10/2022) | (1.06 - 0.832)/(17 - 6) | 0.0207273 |
| 1.09 (2/18/2025) | 0.832 (1/10/2022) | (1.09 - 0.832)/(18 - 6) | 0.0215 |
| | | | |
| 0.742 (8/3/2022) | 0.549 (4/7/2022) | (0.742 - 0.549)/(8 - 7) | 0.193 |
| 0.424 (11/16/2022) | 0.549 (4/7/2022) | (0.424 - 0.549)/(9 - 7) | -0.0625 |
| 0.737 (2/13/2023) | 0.549 (4/7/2022) | (0.737 - 0.549)/(10 - 7) | 0.0626667 |
| 0.749 (5/24/2023) | 0.549 (4/7/2022) | (0.749 - 0.549)/(11 - 7) | 0.05 |
| 0.916 (8/7/2023) | 0.549 (4/7/2022) | (0.916 - 0.549)/(12 - 7) | 0.0734 |
| 0.584 (12/12/2023) | 0.549 (4/7/2022) | (0.584 - 0.549)/(13 - 7) | 0.00583333 |
| 0.729 (1/10/2024) | 0.549 (4/7/2022) | (0.729 - 0.549)/(14 - 7) | 0.0257143 |
| 0.821 (5/20/2024) | 0.549 (4/7/2022) | (0.821 - 0.549)/(15 - 7) | 0.034 |
| 1.58 (9/16/2024) | 0.549 (4/7/2022) | (1.58 - 0.549)/(16 - 7) | 0.114556 |
| 1.06 (12/11/2024) | 0.549 (4/7/2022) | (1.06 - 0.549)/(17 - 7) | 0.0511 |
| 1.09 (2/18/2025) | 0.549 (4/7/2022) | (1.09 - 0.549)/(18 - 7) | 0.0491818 |

| | | | |
|---|---|---|---|
| 0.424 (11/16/2022) | 0.742 (8/3/2022) | (0.424 - 0.742)/(9 - 8) | -0.318 |
| 0.737 (2/13/2023) | 0.742 (8/3/2022) | (0.737 - 0.742)/(10 - 8) | -0.0025 |
| 0.749 (5/24/2023) | 0.742 (8/3/2022) | (0.749 - 0.742)/(11 - 8) | 0.00233333 |
| 0.916 (8/7/2023) | 0.742 (8/3/2022) | (0.916 - 0.742)/(12 - 8) | 0.0435 |
| 0.584 (12/12/2023) | 0.742 (8/3/2022) | (0.584 - 0.742)/(13 - 8) | -0.0316 |
| 0.729 (1/10/2024) | 0.742 (8/3/2022) | (0.729 - 0.742)/(14 - 8) | -0.00216667 |
| 0.821 (5/20/2024) | 0.742 (8/3/2022) | (0.821 - 0.742)/(15 - 8) | 0.0112857 |
| 1.58 (9/16/2024) | 0.742 (8/3/2022) | (1.58 - 0.742)/(16 - 8) | 0.10475 |
| 1.06 (12/11/2024) | 0.742 (8/3/2022) | (1.06 - 0.742)/(17 - 8) | 0.0353333 |
| 1.09 (2/18/2025) | 0.742 (8/3/2022) | (1.09 - 0.742)/(18 - 8) | 0.0348 |
| | | | |
| 0.737 (2/13/2023) | 0.424 (11/16/2022) | (0.737 - 0.424)/(10 - 9) | 0.313 |
| 0.749 (5/24/2023) | 0.424 (11/16/2022) | (0.749 - 0.424)/(11 - 9) | 0.1625 |
| 0.916 (8/7/2023) | 0.424 (11/16/2022) | (0.916 - 0.424)/(12 - 9) | 0.164 |
| 0.584 (12/12/2023) | 0.424 (11/16/2022) | (0.584 - 0.424)/(13 - 9) | 0.04 |
| 0.729 (1/10/2024) | 0.424 (11/16/2022) | (0.729 - 0.424)/(14 - 9) | 0.061 |
| 0.821 (5/20/2024) | 0.424 (11/16/2022) | (0.821 - 0.424)/(15 - 9) | 0.0661667 |
| 1.58 (9/16/2024) | 0.424 (11/16/2022) | (1.58 - 0.424)/(16 - 9) | 0.165143 |
| 1.06 (12/11/2024) | 0.424 (11/16/2022) | (1.06 - 0.424)/(17 - 9) | 0.0795 |
| 1.09 (2/18/2025) | 0.424 (11/16/2022) | (1.09 - 0.424)/(18 - 9) | 0.074 |
| | | | |
| 0.749 (5/24/2023) | 0.737 (2/13/2023) | (0.749 - 0.737)/(11 - 10) | 0.012 |
| 0.916 (8/7/2023) | 0.737 (2/13/2023) | (0.916 - 0.737)/(12 - 10) | 0.0895 |
| 0.584 (12/12/2023) | 0.737 (2/13/2023) | (0.584 - 0.737)/(13 - 10) | -0.051 |
| 0.729 (1/10/2024) | 0.737 (2/13/2023) | (0.729 - 0.737)/(14 - 10) | -0.002 |
| 0.821 (5/20/2024) | 0.737 (2/13/2023) | (0.821 - 0.737)/(15 - 10) | 0.0168 |
| 1.58 (9/16/2024) | 0.737 (2/13/2023) | (1.58 - 0.737)/(16 - 10) | 0.1405 |
| 1.06 (12/11/2024) | 0.737 (2/13/2023) | (1.06 - 0.737)/(17 - 10) | 0.0461429 |
| 1.09 (2/18/2025) | 0.737 (2/13/2023) | (1.09 - 0.737)/(18 - 10) | 0.044125 |
| | | | |
| 0.916 (8/7/2023) | 0.749 (5/24/2023) | (0.916 - 0.749)/(12 - 11) | 0.167 |
| 0.584 (12/12/2023) | 0.749 (5/24/2023) | (0.584 - 0.749)/(13 - 11) | -0.0825 |
| 0.729 (1/10/2024) | 0.749 (5/24/2023) | (0.729 - 0.749)/(14 - 11) | -0.00666667 |
| 0.821 (5/20/2024) | 0.749 (5/24/2023) | (0.821 - 0.749)/(15 - 11) | 0.018 |
| 1.58 (9/16/2024) | 0.749 (5/24/2023) | (1.58 - 0.749)/(16 - 11) | 0.1662 |
| 1.06 (12/11/2024) | 0.749 (5/24/2023) | (1.06 - 0.749)/(17 - 11) | 0.0518333 |
| 1.09 (2/18/2025) | 0.749 (5/24/2023) | (1.09 - 0.749)/(18 - 11) | 0.0487143 |
| | | | |
| 0.584 (12/12/2023) | 0.916 (8/7/2023) | (0.584 - 0.916)/(13 - 12) | -0.332 |
| 0.729 (1/10/2024) | 0.916 (8/7/2023) | (0.729 - 0.916)/(14 - 12) | -0.0935 |
| 0.821 (5/20/2024) | 0.916 (8/7/2023) | (0.821 - 0.916)/(15 - 12) | -0.0316667 |
| 1.58 (9/16/2024) | 0.916 (8/7/2023) | (1.58 - 0.916)/(16 - 12) | 0.166 |
| 1.06 (12/11/2024) | 0.916 (8/7/2023) | (1.06 - 0.916)/(17 - 12) | 0.0288 |
| 1.09 (2/18/2025) | 0.916 (8/7/2023) | (1.09 - 0.916)/(18 - 12) | 0.029 |
| | | | |
| 0.729 (1/10/2024) | 0.584 (12/12/2023) | (0.729 - 0.584)/(14 - 13) | 0.145 |
| 0.821 (5/20/2024) | 0.584 (12/12/2023) | (0.821 - 0.584)/(15 - 13) | 0.1185 |
| 1.58 (9/16/2024) | 0.584 (12/12/2023) | (1.58 - 0.584)/(16 - 13) | 0.332 |
| 1.06 (12/11/2024) | 0.584 (12/12/2023) | (1.06 - 0.584)/(17 - 13) | 0.119 |
| 1.09 (2/18/2025) | 0.584 (12/12/2023) | (1.09 - 0.584)/(18 - 13) | 0.1012 |
| | | | |
| 0.821 (5/20/2024) | 0.729 (1/10/2024) | (0.821 - 0.729)/(15 - 14) | 0.092 |
| 1.58 (9/16/2024) | 0.729 (1/10/2024) | (1.58 - 0.729)/(16 - 14) | 0.4255 |
| 1.06 (12/11/2024) | 0.729 (1/10/2024) | (1.06 - 0.729)/(17 - 14) | 0.110333 |
| 1.09 (2/18/2025) | 0.729 (1/10/2024) | (1.09 - 0.729)/(18 - 14) | 0.09025 |
| | | | |
| 1.58 (9/16/2024) | 0.821 (5/20/2024) | (1.58 - 0.821)/(16 - 15) | 0.759 |

| | | | |
|---|---|---|---|
| 1.06 (12/11/2024) | 0.821 (5/20/2024) | (1.06 - 0.821)/(17 - 15) | 0.1195 |
| 1.09 (2/18/2025) | 0.821 (5/20/2024) | (1.09 - 0.821)/(18 - 15) | 0.0896667 |
| | | | |
| 1.06 (12/11/2024) | 1.58 (9/16/2024) | (1.06 - 1.58)/(17 - 16) | -0.52 |
| 1.09 (2/18/2025) | 1.58 (9/16/2024) | (1.09 - 1.58)/(18 - 16) | -0.245 |
| | | | |
| 1.09 (2/18/2025) | 1.06 (12/11/2024) | (1.09 - 1.06)/(18 - 17) | 0.03 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.599 |
| 2 | -0.52 |
| 3 | -0.455 |
| 4 | -0.3615 |
| 5 | -0.332 |
| 6 | -0.318 |
| 7 | -0.283 |
| 8 | -0.245 |
| 9 | -0.136 |
| 10 | -0.13525 |
| 11 | -0.131 |
| 12 | -0.12925 |
| 13 | -0.124 |
| 14 | -0.111 |
| 15 | -0.0935 |
| 16 | -0.086 |
| 17 | -0.0825 |
| 18 | -0.0696 |
| 19 | -0.0625 |
| 20 | -0.0575 |
| 21 | -0.0558333 |
| 22 | -0.051 |
| 23 | -0.0506 |
| 24 | -0.0504286 |
| 25 | -0.045 |
| 26 | -0.042625 |
| 27 | -0.0354286 |
| 28 | -0.0328182 |
| 29 | -0.0316667 |
| 30 | -0.0316 |
| 31 | -0.025 |
| 32 | -0.02375 |
| 33 | -0.0224167 |
| 34 | -0.0206667 |
| 35 | -0.0202857 |
| 36 | -0.0193333 |
| 37 | -0.0166 |
| 38 | -0.0163333 |
| 39 | -0.0135 |
| 40 | -0.0134 |
| 41 | -0.012875 |
| 42 | -0.0119231 |
| 43 | -0.0104 |
| 44 | -0.00666667 |

| | |
|---|---|
| 45 | -0.0045 |
| 46 | -0.0025 |
| 47 | -0.00216667 |
| 48 | -0.00214286 |
| 49 | -0.002 |
| 50 | -0.00122222 |
| 51 | -0.000714286 |
| 52 | 0 |
| 53 | 0.00233333 |
| 54 | 0.00290909 |
| 55 | 0.00583333 |
| 56 | 0.0103333 |
| 57 | 0.011 |
| 58 | 0.0112857 |
| 59 | 0.012 |
| 60 | 0.0121176 |
| 61 | 0.014 |
| 62 | 0.0140909 |
| 63 | 0.01425 |
| 64 | 0.0168 |
| 65 | 0.018 |
| 66 | 0.0193333 |
| 67 | 0.0207273 |
| 68 | 0.0215 |
| 69 | 0.0238 |
| 70 | 0.024 |
| 71 | 0.025 |
| 72 | 0.0257143 |
| 73 | 0.027125 |
| 74 | 0.0288 |
| 75 | 0.029 |
| 76 | 0.03 |
| 77 | 0.03 |
| 78 | 0.0301538 |
| 79 | 0.031 |
| 80 | 0.034 |
| 81 | 0.0348 |
| 82 | 0.0353333 |
| 83 | 0.0355556 |
| 84 | 0.0368571 |
| 85 | 0.0376923 |
| 86 | 0.0385 |
| 87 | 0.04 |
| 88 | 0.0402222 |
| 89 | 0.041 |
| 90 | 0.0413125 |
| 91 | 0.0420667 |
| 92 | 0.0427857 |
| 93 | 0.0435 |
| 94 | 0.0437692 |
| 95 | 0.044125 |
| 96 | 0.0454 |
| 97 | 0.0461429 |
| 98 | 0.0464 |
| 99 | 0.0487 |
| 100 | 0.0487143 |
| 101 | 0.0491818 |

| | |
|---|---|
| 102 | 0.05 |
| 103 | 0.0511 |
| 104 | 0.0518333 |
| 105 | 0.0521667 |
| 106 | 0.053125 |
| 107 | 0.0556154 |
| 108 | 0.05775 |
| 109 | 0.061 |
| 110 | 0.0626667 |
| 111 | 0.06275 |
| 112 | 0.0636667 |
| 113 | 0.0661667 |
| 114 | 0.0734 |
| 115 | 0.074 |
| 116 | 0.074 |
| 117 | 0.0748 |
| 118 | 0.0784286 |
| 119 | 0.0795 |
| 120 | 0.0822143 |
| 121 | 0.0895 |
| 122 | 0.0896667 |
| 123 | 0.09025 |
| 124 | 0.09075 |
| 125 | 0.091 |
| 126 | 0.092 |
| 127 | 0.10075 |
| 128 | 0.1012 |
| 129 | 0.103 |
| 130 | 0.10475 |
| 131 | 0.110273 |
| 132 | 0.110333 |
| 133 | 0.114556 |
| 134 | 0.1185 |
| 135 | 0.119 |
| 136 | 0.1195 |
| 137 | 0.125 |
| 138 | 0.1405 |
| 139 | 0.145 |
| 140 | 0.1625 |
| 141 | 0.164 |
| 142 | 0.165143 |
| 143 | 0.166 |
| 144 | 0.1662 |
| 145 | 0.167 |
| 146 | 0.1705 |
| 147 | 0.193 |
| 148 | 0.313 |
| 149 | 0.332 |
| 150 | 0.4255 |
| 151 | 0.465 |
| 152 | 0.661 |
| 153 | 0.759 |

Sen's Estimator (Median Q) is 0.03

| Tied Group | Value | Members |
|---|---|---|
| 1 | 1.09 | 2 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 696
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.3942
M1 = (153 - 43.3942)/2.0 = 54.8029
M2 = (153 + 43.3942)/2.0 + 1 = 99.1971
Lower limit is 0.00583333 = Q(55)
Upper limit is 0.0487 = Q(99)
**0.00583333 > 0 indicating an upward trend in data.**

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 10
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.185 (2/13/2023) | ND<0.1 U (4/7/2022) | (0.185 - 0.1)/(4 - 1) | 0.0283333 |
| 0.143 (5/24/2023) | ND<0.1 U (4/7/2022) | (0.143 - 0.1)/(5 - 1) | 0.01075 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(7 - 1) | -0.00833333 |
| 0.433 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.433 - 0.1)/(8 - 1) | 0.0475714 |
| 0.132 (5/20/2024) | ND<0.1 U (4/7/2022) | (0.132 - 0.1)/(9 - 1) | 0.004 |
| 0.212 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.212 - 0.1)/(10 - 1) | 0.0124444 |
| 0.163 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.163 - 0.1)/(11 - 1) | 0.0063 |
| 0.327 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.327 - 0.1)/(12 - 1) | 0.0206364 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.185 (2/13/2023) | ND<0.1 U (8/3/2022) | (0.185 - 0.1)/(4 - 2) | 0.0425 |
| 0.143 (5/24/2023) | ND<0.1 U (8/3/2022) | (0.143 - 0.1)/(5 - 2) | 0.0143333 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/3/2022) | (0.05 - 0.1)/(7 - 2) | -0.01 |
| 0.433 (1/10/2024) | ND<0.1 U (8/3/2022) | (0.433 - 0.1)/(8 - 2) | 0.0555 |
| 0.132 (5/20/2024) | ND<0.1 U (8/3/2022) | (0.132 - 0.1)/(9 - 2) | 0.00457143 |
| 0.212 (9/16/2024) | ND<0.1 U (8/3/2022) | (0.212 - 0.1)/(10 - 2) | 0.014 |
| 0.163 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.163 - 0.1)/(11 - 2) | 0.007 |
| 0.327 (2/18/2025) | ND<0.1 U (8/3/2022) | (0.327 - 0.1)/(12 - 2) | 0.0227 |
| | | | |
| 0.185 (2/13/2023) | ND<0.1 U (11/16/2022) | (0.185 - 0.1)/(4 - 3) | 0.085 |
| 0.143 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.143 - 0.1)/(5 - 3) | 0.0215 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(7 - 3) | -0.0125 |
| 0.433 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.433 - 0.1)/(8 - 3) | 0.0666 |
| 0.132 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.132 - 0.1)/(9 - 3) | 0.00533333 |
| 0.212 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.212 - 0.1)/(10 - 3) | 0.016 |
| 0.163 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.163 - 0.1)/(11 - 3) | 0.007875 |
| 0.327 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.327 - 0.1)/(12 - 3) | 0.0252222 |
| | | | |
| 0.143 (5/24/2023) | 0.185 (2/13/2023) | (0.143 - 0.185)/(5 - 4) | -0.042 |
| ND<0.1 U (8/7/2023) | 0.185 (2/13/2023) | (0.1 - 0.185)/(6 - 4) | -0.0425 |
| ND<0.05 U (12/12/2023) | 0.185 (2/13/2023) | (0.05 - 0.185)/(7 - 4) | -0.045 |
| 0.433 (1/10/2024) | 0.185 (2/13/2023) | (0.433 - 0.185)/(8 - 4) | 0.062 |
| 0.132 (5/20/2024) | 0.185 (2/13/2023) | (0.132 - 0.185)/(9 - 4) | -0.0106 |
| 0.212 (9/16/2024) | 0.185 (2/13/2023) | (0.212 - 0.185)/(10 - 4) | 0.0045 |
| 0.163 (12/11/2024) | 0.185 (2/13/2023) | (0.163 - 0.185)/(11 - 4) | -0.00314286 |
| 0.327 (2/18/2025) | 0.185 (2/13/2023) | (0.327 - 0.185)/(12 - 4) | 0.01775 |
| | | | |
| ND<0.1 U (8/7/2023) | 0.143 (5/24/2023) | (0.1 - 0.143)/(6 - 5) | -0.043 |
| ND<0.05 U (12/12/2023) | 0.143 (5/24/2023) | (0.05 - 0.143)/(7 - 5) | -0.0465 |
| 0.433 (1/10/2024) | 0.143 (5/24/2023) | (0.433 - 0.143)/(8 - 5) | 0.0966667 |
| 0.132 (5/20/2024) | 0.143 (5/24/2023) | (0.132 - 0.143)/(9 - 5) | -0.00275 |
| 0.212 (9/16/2024) | 0.143 (5/24/2023) | (0.212 - 0.143)/(10 - 5) | 0.0138 |
| 0.163 (12/11/2024) | 0.143 (5/24/2023) | (0.163 - 0.143)/(11 - 5) | 0.00333333 |

| | | | |
|---|---|---|---|
| 0.327 (2/18/2025) | 0.143 (5/24/2023) | (0.327 - 0.143)/(12 - 5) | 0.0262857 |
| | | | |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(7 - 6) | -0.05 |
| 0.433 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.433 - 0.1)/(8 - 6) | 0.1665 |
| 0.132 (5/20/2024) | ND<0.1 U (8/7/2023) | (0.132 - 0.1)/(9 - 6) | 0.0106667 |
| 0.212 (9/16/2024) | ND<0.1 U (8/7/2023) | (0.212 - 0.1)/(10 - 6) | 0.028 |
| 0.163 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.163 - 0.1)/(11 - 6) | 0.0126 |
| 0.327 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.327 - 0.1)/(12 - 6) | 0.0378333 |
| | | | |
| 0.433 (1/10/2024) | ND<0.05 U (12/12/2023) | (0.433 - 0.05)/(8 - 7) | 0.383 |
| 0.132 (5/20/2024) | ND<0.05 U (12/12/2023) | (0.132 - 0.05)/(9 - 7) | 0.041 |
| 0.212 (9/16/2024) | ND<0.05 U (12/12/2023) | (0.212 - 0.05)/(10 - 7) | 0.054 |
| 0.163 (12/11/2024) | ND<0.05 U (12/12/2023) | (0.163 - 0.05)/(11 - 7) | 0.02825 |
| 0.327 (2/18/2025) | ND<0.05 U (12/12/2023) | (0.327 - 0.05)/(12 - 7) | 0.0554 |
| | | | |
| 0.132 (5/20/2024) | 0.433 (1/10/2024) | (0.132 - 0.433)/(9 - 8) | -0.301 |
| 0.212 (9/16/2024) | 0.433 (1/10/2024) | (0.212 - 0.433)/(10 - 8) | -0.1105 |
| 0.163 (12/11/2024) | 0.433 (1/10/2024) | (0.163 - 0.433)/(11 - 8) | -0.09 |
| 0.327 (2/18/2025) | 0.433 (1/10/2024) | (0.327 - 0.433)/(12 - 8) | -0.0265 |
| | | | |
| 0.212 (9/16/2024) | 0.132 (5/20/2024) | (0.212 - 0.132)/(10 - 9) | 0.08 |
| 0.163 (12/11/2024) | 0.132 (5/20/2024) | (0.163 - 0.132)/(11 - 9) | 0.0155 |
| 0.327 (2/18/2025) | 0.132 (5/20/2024) | (0.327 - 0.132)/(12 - 9) | 0.065 |
| | | | |
| 0.163 (12/11/2024) | 0.212 (9/16/2024) | (0.163 - 0.212)/(11 - 10) | -0.049 |
| 0.327 (2/18/2025) | 0.212 (9/16/2024) | (0.327 - 0.212)/(12 - 10) | 0.0575 |
| | | | |
| 0.327 (2/18/2025) | 0.163 (12/11/2024) | (0.327 - 0.163)/(12 - 11) | 0.164 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.301 |
| 2 | -0.1105 |
| 3 | -0.09 |
| 4 | -0.05 |
| 5 | -0.049 |
| 6 | -0.0465 |
| 7 | -0.045 |
| 8 | -0.043 |
| 9 | -0.0425 |
| 10 | -0.042 |
| 11 | -0.0265 |
| 12 | -0.0125 |
| 13 | -0.0106 |
| 14 | -0.01 |
| 15 | -0.00833333 |
| 16 | -0.00314286 |
| 17 | -0.00275 |
| 18 | 0 |
| 19 | 0 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |

| | |
|---|---|
| 24 | 0.00333333 |
| 25 | 0.004 |
| 26 | 0.0045 |
| 27 | 0.00457143 |
| 28 | 0.00533333 |
| 29 | 0.0063 |
| 30 | 0.007 |
| 31 | 0.007875 |
| 32 | 0.0106667 |
| 33 | 0.01075 |
| 34 | 0.0124444 |
| 35 | 0.0126 |
| 36 | 0.0138 |
| 37 | 0.014 |
| 38 | 0.0143333 |
| 39 | 0.0155 |
| 40 | 0.016 |
| 41 | 0.01775 |
| 42 | 0.0206364 |
| 43 | 0.0215 |
| 44 | 0.0227 |
| 45 | 0.0252222 |
| 46 | 0.0262857 |
| 47 | 0.028 |
| 48 | 0.02825 |
| 49 | 0.0283333 |
| 50 | 0.0378333 |
| 51 | 0.041 |
| 52 | 0.0425 |
| 53 | 0.0475714 |
| 54 | 0.054 |
| 55 | 0.0554 |
| 56 | 0.0555 |
| 57 | 0.0575 |
| 58 | 0.062 |
| 59 | 0.065 |
| 60 | 0.0666 |
| 61 | 0.08 |
| 62 | 0.085 |
| 63 | 0.0966667 |
| 64 | 0.164 |
| 65 | 0.1665 |
| 66 | 0.383 |

Sen's Estimator (Median Q) is 0.0115972

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 4 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |

| | |
|---|---|
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 156
B = 0
C = 24
D = 0
E = 12
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 204
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.4932
M1 = (66 - 23.4932)/2.0 = 21.2534
M2 = (66 + 23.4932)/2.0 + 1 = 45.7466
Lower limit is 0 = Q(21)
Upper limit is 0.0262857 = Q(46)
0 < 0 < 0.0262857 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Nitrate-nitrite
### Location: SME 9
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.1 U (8/3/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(4 - 1) | 0 |
| ND<0.05 U (5/24/2023) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(5 - 1) | -0.0125 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(7 - 1) | -0.00833333 |
| 0.152 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.152 - 0.1)/(8 - 1) | 0.00742857 |
| 0.09 (5/20/2024) | ND<0.1 U (4/7/2022) | (0.09 - 0.1)/(9 - 1) | -0.00125 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (4/7/2022) | (0.05 - 0.1)/(10 - 1) | -0.00555556 |
| 0.123 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.123 - 0.1)/(11 - 1) | 0.0023 |
| 0.106 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.106 - 0.1)/(12 - 1) | 0.000545455 |
| | | | |
| ND<0.1 U (11/16/2022) | 0.1 U (8/3/2022) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (2/13/2023) | 0.1 U (8/3/2022) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.05 U (5/24/2023) | 0.1 U (8/3/2022) | (0.05 - 0.1)/(5 - 2) | -0.0166667 |
| ND<0.1 U (8/7/2023) | 0.1 U (8/3/2022) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.05 U (12/12/2023) | 0.1 U (8/3/2022) | (0.05 - 0.1)/(7 - 2) | -0.01 |
| 0.152 (1/10/2024) | 0.1 U (8/3/2022) | (0.152 - 0.1)/(8 - 2) | 0.00866667 |
| 0.09 (5/20/2024) | 0.1 U (8/3/2022) | (0.09 - 0.1)/(9 - 2) | -0.00142857 |
| ND<0.05 U (9/16/2024) | 0.1 U (8/3/2022) | (0.05 - 0.1)/(10 - 2) | -0.00625 |
| 0.123 (12/11/2024) | 0.1 U (8/3/2022) | (0.123 - 0.1)/(11 - 2) | 0.00255556 |
| 0.106 (2/18/2025) | 0.1 U (8/3/2022) | (0.106 - 0.1)/(12 - 2) | 0.0006 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.05 U (5/24/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(5 - 3) | -0.025 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(7 - 3) | -0.0125 |
| 0.152 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.152 - 0.1)/(8 - 3) | 0.0104 |
| 0.09 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.09 - 0.1)/(9 - 3) | -0.00166667 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (11/16/2022) | (0.05 - 0.1)/(10 - 3) | -0.00714286 |
| 0.123 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.123 - 0.1)/(11 - 3) | 0.002875 |
| 0.106 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.106 - 0.1)/(12 - 3) | 0.000666667 |
| | | | |
| ND<0.05 U (5/24/2023) | ND<0.1 U (2/13/2023) | (0.05 - 0.1)/(5 - 4) | -0.05 |
| ND<0.1 U (8/7/2023) | ND<0.1 U (2/13/2023) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (2/13/2023) | (0.05 - 0.1)/(7 - 4) | -0.0166667 |
| 0.152 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.152 - 0.1)/(8 - 4) | 0.013 |
| 0.09 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.09 - 0.1)/(9 - 4) | -0.002 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (2/13/2023) | (0.05 - 0.1)/(10 - 4) | -0.00833333 |
| 0.123 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.123 - 0.1)/(11 - 4) | 0.00328571 |
| 0.106 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.106 - 0.1)/(12 - 4) | 0.00075 |
| | | | |
| ND<0.1 U (8/7/2023) | ND<0.05 U (5/24/2023) | (0.1 - 0.05)/(6 - 5) | 0.05 |
| ND<0.05 U (12/12/2023) | ND<0.05 U (5/24/2023) | (0.05 - 0.05)/(7 - 5) | 0 |
| 0.152 (1/10/2024) | ND<0.05 U (5/24/2023) | (0.152 - 0.05)/(8 - 5) | 0.034 |
| 0.09 (5/20/2024) | ND<0.05 U (5/24/2023) | (0.09 - 0.05)/(9 - 5) | 0.01 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (5/24/2023) | (0.05 - 0.05)/(10 - 5) | 0 |
| 0.123 (12/11/2024) | ND<0.05 U (5/24/2023) | (0.123 - 0.05)/(11 - 5) | 0.0121667 |

| | | | |
|---|---|---|---|
| 0.106 (2/18/2025) | ND<0.05 U (5/24/2023) | (0.106 - 0.05)/(12 - 5) | 0.008 |
| ND<0.05 U (12/12/2023) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(7 - 6) | -0.05 |
| 0.152 (1/10/2024) | ND<0.1 U (8/7/2023) | (0.152 - 0.1)/(8 - 6) | 0.026 |
| 0.09 (5/20/2024) | ND<0.1 U (8/7/2023) | (0.09 - 0.1)/(9 - 6) | -0.00333333 |
| ND<0.05 U (9/16/2024) | ND<0.1 U (8/7/2023) | (0.05 - 0.1)/(10 - 6) | -0.0125 |
| 0.123 (12/11/2024) | ND<0.1 U (8/7/2023) | (0.123 - 0.1)/(11 - 6) | 0.0046 |
| 0.106 (2/18/2025) | ND<0.1 U (8/7/2023) | (0.106 - 0.1)/(12 - 6) | 0.001 |
| 0.152 (1/10/2024) | ND<0.05 U (12/12/2023) | (0.152 - 0.05)/(8 - 7) | 0.102 |
| 0.09 (5/20/2024) | ND<0.05 U (12/12/2023) | (0.09 - 0.05)/(9 - 7) | 0.02 |
| ND<0.05 U (9/16/2024) | ND<0.05 U (12/12/2023) | (0.05 - 0.05)/(10 - 7) | 0 |
| 0.123 (12/11/2024) | ND<0.05 U (12/12/2023) | (0.123 - 0.05)/(11 - 7) | 0.01825 |
| 0.106 (2/18/2025) | ND<0.05 U (12/12/2023) | (0.106 - 0.05)/(12 - 7) | 0.0112 |
| 0.09 (5/20/2024) | 0.152 (1/10/2024) | (0.09 - 0.152)/(9 - 8) | -0.062 |
| ND<0.05 U (9/16/2024) | 0.152 (1/10/2024) | (0.05 - 0.152)/(10 - 8) | -0.051 |
| 0.123 (12/11/2024) | 0.152 (1/10/2024) | (0.123 - 0.152)/(11 - 8) | -0.00966667 |
| 0.106 (2/18/2025) | 0.152 (1/10/2024) | (0.106 - 0.152)/(12 - 8) | -0.0115 |
| ND<0.05 U (9/16/2024) | 0.09 (5/20/2024) | (0.05 - 0.09)/(10 - 9) | -0.04 |
| 0.123 (12/11/2024) | 0.09 (5/20/2024) | (0.123 - 0.09)/(11 - 9) | 0.0165 |
| 0.106 (2/18/2025) | 0.09 (5/20/2024) | (0.106 - 0.09)/(12 - 9) | 0.00533333 |
| 0.123 (12/11/2024) | ND<0.05 U (9/16/2024) | (0.123 - 0.05)/(11 - 10) | 0.073 |
| 0.106 (2/18/2025) | ND<0.05 U (9/16/2024) | (0.106 - 0.05)/(12 - 10) | 0.028 |
| 0.106 (2/18/2025) | 0.123 (12/11/2024) | (0.106 - 0.123)/(12 - 11) | -0.017 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.062 |
| 2 | -0.051 |
| 3 | -0.05 |
| 4 | -0.05 |
| 5 | -0.04 |
| 6 | -0.025 |
| 7 | -0.017 |
| 8 | -0.0166667 |
| 9 | -0.0166667 |
| 10 | -0.0125 |
| 11 | -0.0125 |
| 12 | -0.0125 |
| 13 | -0.0115 |
| 14 | -0.01 |
| 15 | -0.00966667 |
| 16 | -0.00833333 |
| 17 | -0.00833333 |
| 18 | -0.00714286 |
| 19 | -0.00625 |
| 20 | -0.00555556 |
| 21 | -0.00333333 |
| 22 | -0.002 |
| 23 | -0.00166667 |

| | |
|---|---|
| 24 | -0.00142857 |
| 25 | -0.00125 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0 |
| 31 | 0 |
| 32 | 0 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0.000545455 |
| 40 | 0.0006 |
| 41 | 0.000666667 |
| 42 | 0.00075 |
| 43 | 0.001 |
| 44 | 0.0023 |
| 45 | 0.00255556 |
| 46 | 0.002875 |
| 47 | 0.00328571 |
| 48 | 0.0046 |
| 49 | 0.00533333 |
| 50 | 0.00742857 |
| 51 | 0.008 |
| 52 | 0.00866667 |
| 53 | 0.01 |
| 54 | 0.0104 |
| 55 | 0.0112 |
| 56 | 0.0121667 |
| 57 | 0.013 |
| 58 | 0.0165 |
| 59 | 0.01825 |
| 60 | 0.02 |
| 61 | 0.026 |
| 62 | 0.028 |
| 63 | 0.034 |
| 64 | 0.05 |
| 65 | 0.073 |
| 66 | 0.102 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 5 |
| 2 | 0.05 | 3 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |

| | |
|---|---|
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 366
B = 0
C = 66
D = 0
E = 26
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 192.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 22.8115
M1 = (66 - 22.8115)/2.0 = 21.5942
M2 = (66 + 22.8115)/2.0 + 1 = 45.4058
Lower limit is -0.002 = Q(22)
Upper limit is 0.00255556 = Q(45)
-0.002 < 0 < 0.00255556 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: AT 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.11 (5/8/2013) | 0.14 (3/12/2013) | (0.11 - 0.14)/(2 - 1) | -0.03 |
| 0.35 (9/23/2013) | 0.14 (3/12/2013) | (0.35 - 0.14)/(3 - 1) | 0.105 |
| 0.34 (12/10/2013) | 0.14 (3/12/2013) | (0.34 - 0.14)/(4 - 1) | 0.0666667 |
| 0.13 (2/6/2014) | 0.14 (3/12/2013) | (0.13 - 0.14)/(5 - 1) | -0.0025 |
| 0.28 (6/26/2014) | 0.14 (3/12/2013) | (0.28 - 0.14)/(6 - 1) | 0.028 |
| 0.54 (9/30/2014) | 0.14 (3/12/2013) | (0.54 - 0.14)/(7 - 1) | 0.0666667 |
| 0.39 (11/19/2014) | 0.14 (3/12/2013) | (0.39 - 0.14)/(8 - 1) | 0.0357143 |
| 0.14 (3/23/2015) | 0.14 (3/12/2013) | (0.14 - 0.14)/(9 - 1) | 0 |
| 0.13 (4/22/2015) | 0.14 (3/12/2013) | (0.13 - 0.14)/(10 - 1) | -0.00111111 |
| 0.86 (9/30/2015) | 0.14 (3/12/2013) | (0.86 - 0.14)/(11 - 1) | 0.072 |
| 0.31 (11/19/2015) | 0.14 (3/12/2013) | (0.31 - 0.14)/(12 - 1) | 0.0154545 |
| ND<0.1 U (3/15/2016) | 0.14 (3/12/2013) | (0.1 - 0.14)/(13 - 1) | -0.00333333 |
| 0.71 (6/29/2016) | 0.14 (3/12/2013) | (0.71 - 0.14)/(14 - 1) | 0.0438462 |
| 0.5 (8/9/2016) | 0.14 (3/12/2013) | (0.5 - 0.14)/(15 - 1) | 0.0257143 |
| 0.47 (12/7/2016) | 0.14 (3/12/2013) | (0.47 - 0.14)/(16 - 1) | 0.022 |
| 0.37 (3/2/2017) | 0.14 (3/12/2013) | (0.37 - 0.14)/(17 - 1) | 0.014375 |
| 0.37 (6/21/2017) | 0.14 (3/12/2013) | (0.37 - 0.14)/(18 - 1) | 0.0135294 |
| 0.28 (8/17/2017) | 0.14 (3/12/2013) | (0.28 - 0.14)/(19 - 1) | 0.00777778 |
| 0.25 (10/26/2017) | 0.14 (3/12/2013) | (0.25 - 0.14)/(20 - 1) | 0.00578947 |
| 0.148 (3/27/2018) | 0.14 (3/12/2013) | (0.148 - 0.14)/(21 - 1) | 0.0004 |
| 0.246 (6/26/2018) | 0.14 (3/12/2013) | (0.246 - 0.14)/(22 - 1) | 0.00504762 |
| 0.401 (8/1/2018) | 0.14 (3/12/2013) | (0.401 - 0.14)/(23 - 1) | 0.0118636 |
| 0.204 (12/11/2018) | 0.14 (3/12/2013) | (0.204 - 0.14)/(24 - 1) | 0.00278261 |
| ND<0.1 U (4/17/2019) | 0.14 (3/12/2013) | (0.1 - 0.14)/(25 - 1) | -0.00166667 |
| 0.29 (6/11/2019) | 0.14 (3/12/2013) | (0.29 - 0.14)/(26 - 1) | 0.006 |
| 0.485 (8/28/2019) | 0.14 (3/12/2013) | (0.485 - 0.14)/(27 - 1) | 0.0132692 |
| 0.499 (10/28/2019) | 0.14 (3/12/2013) | (0.499 - 0.14)/(28 - 1) | 0.0132963 |
| 0.102 (3/31/2020) | 0.14 (3/12/2013) | (0.102 - 0.14)/(29 - 1) | -0.00135714 |
| 0.243 (6/10/2020) | 0.14 (3/12/2013) | (0.243 - 0.14)/(30 - 1) | 0.00355172 |
| 0.243 (6/10/2020) | 0.14 (3/12/2013) | (0.243 - 0.14)/(30 - 1) | 0.00355172 |
| 0.399 (9/21/2020) | 0.14 (3/12/2013) | (0.399 - 0.14)/(31 - 1) | 0.00863333 |
| ND<0.1 U (12/17/2020) | 0.14 (3/12/2013) | (0.1 - 0.14)/(32 - 1) | -0.00129032 |
| ND<0.1 U (3/18/2021) | 0.14 (3/12/2013) | (0.1 - 0.14)/(33 - 1) | -0.00125 |
| 0.157 (5/5/2021) | 0.14 (3/12/2013) | (0.157 - 0.14)/(34 - 1) | 0.000515152 |
| 0.262 (9/2/2021) | 0.14 (3/12/2013) | (0.262 - 0.14)/(35 - 1) | 0.00358824 |
| 0.253 (11/23/2021) | 0.14 (3/12/2013) | (0.253 - 0.14)/(36 - 1) | 0.00322857 |
| 0.184 (1/10/2022) | 0.14 (3/12/2013) | (0.184 - 0.14)/(37 - 1) | 0.00122222 |
| 0.121 (4/7/2022) | 0.14 (3/12/2013) | (0.121 - 0.14)/(38 - 1) | -0.000513514 |
| 0.323 (8/3/2022) | 0.14 (3/12/2013) | (0.323 - 0.14)/(39 - 1) | 0.00481579 |
| 0.42 (11/16/2022) | 0.14 (3/12/2013) | (0.42 - 0.14)/(40 - 1) | 0.00717949 |
| ND<0.1 U (2/13/2023) | 0.14 (3/12/2013) | (0.1 - 0.14)/(41 - 1) | -0.001 |
| 0.182 (5/24/2023) | 0.14 (3/12/2013) | (0.182 - 0.14)/(42 - 1) | 0.00102439 |
| 0.43 (8/7/2023) | 0.14 (3/12/2013) | (0.43 - 0.14)/(43 - 1) | 0.00690476 |
| 0.782 (12/12/2023) | 0.14 (3/12/2013) | (0.782 - 0.14)/(44 - 1) | 0.0149302 |
| 0.498 (1/10/2024) | 0.14 (3/12/2013) | (0.498 - 0.14)/(45 - 1) | 0.00813636 |
| 0.192 (5/20/2024) | 0.14 (3/12/2013) | (0.192 - 0.14)/(46 - 1) | 0.00115556 |
| 0.74 (9/16/2024) | 0.14 (3/12/2013) | (0.74 - 0.14)/(47 - 1) | 0.0130435 |
| 0.549 (12/11/2024) | 0.14 (3/12/2013) | (0.549 - 0.14)/(48 - 1) | 0.00870213 |

| | | | |
|---|---|---|---|
| 0.233 (2/18/2025) | 0.14 (3/12/2013) | (0.233 - 0.14)/(49 - 1) | 0.0019375 |
| | | | |
| 0.35 (9/23/2013) | 0.11 (5/8/2013) | (0.35 - 0.11)/(3 - 2) | 0.24 |
| 0.34 (12/10/2013) | 0.11 (5/8/2013) | (0.34 - 0.11)/(4 - 2) | 0.115 |
| 0.13 (2/6/2014) | 0.11 (5/8/2013) | (0.13 - 0.11)/(5 - 2) | 0.00666667 |
| 0.28 (6/26/2014) | 0.11 (5/8/2013) | (0.28 - 0.11)/(6 - 2) | 0.0425 |
| 0.54 (9/30/2014) | 0.11 (5/8/2013) | (0.54 - 0.11)/(7 - 2) | 0.086 |
| 0.39 (11/19/2014) | 0.11 (5/8/2013) | (0.39 - 0.11)/(8 - 2) | 0.0466667 |
| 0.14 (3/23/2015) | 0.11 (5/8/2013) | (0.14 - 0.11)/(9 - 2) | 0.00428571 |
| 0.13 (4/22/2015) | 0.11 (5/8/2013) | (0.13 - 0.11)/(10 - 2) | 0.0025 |
| 0.86 (9/30/2015) | 0.11 (5/8/2013) | (0.86 - 0.11)/(11 - 2) | 0.0833333 |
| 0.31 (11/19/2015) | 0.11 (5/8/2013) | (0.31 - 0.11)/(12 - 2) | 0.02 |
| ND<0.1 U (3/15/2016) | 0.11 (5/8/2013) | (0.1 - 0.11)/(13 - 2) | -0.000909091 |
| 0.71 (6/29/2016) | 0.11 (5/8/2013) | (0.71 - 0.11)/(14 - 2) | 0.05 |
| 0.5 (8/9/2016) | 0.11 (5/8/2013) | (0.5 - 0.11)/(15 - 2) | 0.03 |
| 0.47 (12/7/2016) | 0.11 (5/8/2013) | (0.47 - 0.11)/(16 - 2) | 0.0257143 |
| 0.37 (3/2/2017) | 0.11 (5/8/2013) | (0.37 - 0.11)/(17 - 2) | 0.0173333 |
| 0.37 (6/21/2017) | 0.11 (5/8/2013) | (0.37 - 0.11)/(18 - 2) | 0.01625 |
| 0.28 (8/17/2017) | 0.11 (5/8/2013) | (0.28 - 0.11)/(19 - 2) | 0.01 |
| 0.25 (10/26/2017) | 0.11 (5/8/2013) | (0.25 - 0.11)/(20 - 2) | 0.00777778 |
| 0.148 (3/27/2018) | 0.11 (5/8/2013) | (0.148 - 0.11)/(21 - 2) | 0.002 |
| 0.246 (6/26/2018) | 0.11 (5/8/2013) | (0.246 - 0.11)/(22 - 2) | 0.0068 |
| 0.401 (8/1/2018) | 0.11 (5/8/2013) | (0.401 - 0.11)/(23 - 2) | 0.0138571 |
| 0.204 (12/11/2018) | 0.11 (5/8/2013) | (0.204 - 0.11)/(24 - 2) | 0.00427273 |
| ND<0.1 U (4/17/2019) | 0.11 (5/8/2013) | (0.1 - 0.11)/(25 - 2) | -0.000434783 |
| 0.29 (6/11/2019) | 0.11 (5/8/2013) | (0.29 - 0.11)/(26 - 2) | 0.0075 |
| 0.485 (8/28/2019) | 0.11 (5/8/2013) | (0.485 - 0.11)/(27 - 2) | 0.015 |
| 0.499 (10/28/2019) | 0.11 (5/8/2013) | (0.499 - 0.11)/(28 - 2) | 0.0149615 |
| 0.102 (3/31/2020) | 0.11 (5/8/2013) | (0.102 - 0.11)/(29 - 2) | -0.000296296 |
| 0.243 (6/10/2020) | 0.11 (5/8/2013) | (0.243 - 0.11)/(30 - 2) | 0.00475 |
| 0.243 (6/10/2020) | 0.11 (5/8/2013) | (0.243 - 0.11)/(30 - 2) | 0.00475 |
| 0.399 (9/21/2020) | 0.11 (5/8/2013) | (0.399 - 0.11)/(31 - 2) | 0.00996552 |
| ND<0.1 U (12/17/2020) | 0.11 (5/8/2013) | (0.1 - 0.11)/(32 - 2) | -0.000333333 |
| ND<0.1 U (3/18/2021) | 0.11 (5/8/2013) | (0.1 - 0.11)/(33 - 2) | -0.000322581 |
| 0.157 (5/5/2021) | 0.11 (5/8/2013) | (0.157 - 0.11)/(34 - 2) | 0.00146875 |
| 0.262 (9/2/2021) | 0.11 (5/8/2013) | (0.262 - 0.11)/(35 - 2) | 0.00460606 |
| 0.253 (11/23/2021) | 0.11 (5/8/2013) | (0.253 - 0.11)/(36 - 2) | 0.00420588 |
| 0.184 (1/10/2022) | 0.11 (5/8/2013) | (0.184 - 0.11)/(37 - 2) | 0.00211429 |
| 0.121 (4/7/2022) | 0.11 (5/8/2013) | (0.121 - 0.11)/(38 - 2) | 0.000305556 |
| 0.323 (8/3/2022) | 0.11 (5/8/2013) | (0.323 - 0.11)/(39 - 2) | 0.00575676 |
| 0.42 (11/16/2022) | 0.11 (5/8/2013) | (0.42 - 0.11)/(40 - 2) | 0.00815789 |
| ND<0.1 U (2/13/2023) | 0.11 (5/8/2013) | (0.1 - 0.11)/(41 - 2) | -0.00025641 |
| 0.182 (5/24/2023) | 0.11 (5/8/2013) | (0.182 - 0.11)/(42 - 2) | 0.0018 |
| 0.43 (8/7/2023) | 0.11 (5/8/2013) | (0.43 - 0.11)/(43 - 2) | 0.00780488 |
| 0.782 (12/12/2023) | 0.11 (5/8/2013) | (0.782 - 0.11)/(44 - 2) | 0.016 |
| 0.498 (1/10/2024) | 0.11 (5/8/2013) | (0.498 - 0.11)/(45 - 2) | 0.00902326 |
| 0.192 (5/20/2024) | 0.11 (5/8/2013) | (0.192 - 0.11)/(46 - 2) | 0.00186364 |
| 0.74 (9/16/2024) | 0.11 (5/8/2013) | (0.74 - 0.11)/(47 - 2) | 0.014 |
| 0.549 (12/11/2024) | 0.11 (5/8/2013) | (0.549 - 0.11)/(48 - 2) | 0.00954348 |
| 0.233 (2/18/2025) | 0.11 (5/8/2013) | (0.233 - 0.11)/(49 - 2) | 0.00261702 |
| | | | |
| 0.34 (12/10/2013) | 0.35 (9/23/2013) | (0.34 - 0.35)/(4 - 3) | -0.01 |
| 0.13 (2/6/2014) | 0.35 (9/23/2013) | (0.13 - 0.35)/(5 - 3) | -0.11 |
| 0.28 (6/26/2014) | 0.35 (9/23/2013) | (0.28 - 0.35)/(6 - 3) | -0.0233333 |
| 0.54 (9/30/2014) | 0.35 (9/23/2013) | (0.54 - 0.35)/(7 - 3) | 0.0475 |
| 0.39 (11/19/2014) | 0.35 (9/23/2013) | (0.39 - 0.35)/(8 - 3) | 0.008 |
| 0.14 (3/23/2015) | 0.35 (9/23/2013) | (0.14 - 0.35)/(9 - 3) | -0.035 |

| | | | |
|---|---|---|---|
| 0.13 (4/22/2015) | 0.35 (9/23/2013) | (0.13 - 0.35)/(10 - 3) | -0.0314286 |
| 0.86 (9/30/2015) | 0.35 (9/23/2013) | (0.86 - 0.35)/(11 - 3) | 0.06375 |
| 0.31 (11/19/2015) | 0.35 (9/23/2013) | (0.31 - 0.35)/(12 - 3) | -0.00444444 |
| ND<0.1 U (3/15/2016) | 0.35 (9/23/2013) | (0.1 - 0.35)/(13 - 3) | -0.025 |
| 0.71 (6/29/2016) | 0.35 (9/23/2013) | (0.71 - 0.35)/(14 - 3) | 0.0327273 |
| 0.5 (8/9/2016) | 0.35 (9/23/2013) | (0.5 - 0.35)/(15 - 3) | 0.0125 |
| 0.47 (12/7/2016) | 0.35 (9/23/2013) | (0.47 - 0.35)/(16 - 3) | 0.00923077 |
| 0.37 (3/2/2017) | 0.35 (9/23/2013) | (0.37 - 0.35)/(17 - 3) | 0.00142857 |
| 0.37 (6/21/2017) | 0.35 (9/23/2013) | (0.37 - 0.35)/(18 - 3) | 0.00133333 |
| 0.28 (8/17/2017) | 0.35 (9/23/2013) | (0.28 - 0.35)/(19 - 3) | -0.004375 |
| 0.25 (10/26/2017) | 0.35 (9/23/2013) | (0.25 - 0.35)/(20 - 3) | -0.00588235 |
| 0.148 (3/27/2018) | 0.35 (9/23/2013) | (0.148 - 0.35)/(21 - 3) | -0.0112222 |
| 0.246 (6/26/2018) | 0.35 (9/23/2013) | (0.246 - 0.35)/(22 - 3) | -0.00547368 |
| 0.401 (8/1/2018) | 0.35 (9/23/2013) | (0.401 - 0.35)/(23 - 3) | 0.00255 |
| 0.204 (12/11/2018) | 0.35 (9/23/2013) | (0.204 - 0.35)/(24 - 3) | -0.00695238 |
| ND<0.1 U (4/17/2019) | 0.35 (9/23/2013) | (0.1 - 0.35)/(25 - 3) | -0.0113636 |
| 0.29 (6/11/2019) | 0.35 (9/23/2013) | (0.29 - 0.35)/(26 - 3) | -0.0026087 |
| 0.485 (8/28/2019) | 0.35 (9/23/2013) | (0.485 - 0.35)/(27 - 3) | 0.005625 |
| 0.499 (10/28/2019) | 0.35 (9/23/2013) | (0.499 - 0.35)/(28 - 3) | 0.00596 |
| 0.102 (3/31/2020) | 0.35 (9/23/2013) | (0.102 - 0.35)/(29 - 3) | -0.00953846 |
| 0.243 (6/10/2020) | 0.35 (9/23/2013) | (0.243 - 0.35)/(30 - 3) | -0.00396296 |
| 0.243 (6/10/2020) | 0.35 (9/23/2013) | (0.243 - 0.35)/(30 - 3) | -0.00396296 |
| 0.399 (9/21/2020) | 0.35 (9/23/2013) | (0.399 - 0.35)/(31 - 3) | 0.00175 |
| ND<0.1 U (12/17/2020) | 0.35 (9/23/2013) | (0.1 - 0.35)/(32 - 3) | -0.00862069 |
| ND<0.1 U (3/18/2021) | 0.35 (9/23/2013) | (0.1 - 0.35)/(33 - 3) | -0.00833333 |
| 0.157 (5/5/2021) | 0.35 (9/23/2013) | (0.157 - 0.35)/(34 - 3) | -0.00622581 |
| 0.262 (9/2/2021) | 0.35 (9/23/2013) | (0.262 - 0.35)/(35 - 3) | -0.00275 |
| 0.253 (11/23/2021) | 0.35 (9/23/2013) | (0.253 - 0.35)/(36 - 3) | -0.00293939 |
| 0.184 (1/10/2022) | 0.35 (9/23/2013) | (0.184 - 0.35)/(37 - 3) | -0.00488235 |
| 0.121 (4/7/2022) | 0.35 (9/23/2013) | (0.121 - 0.35)/(38 - 3) | -0.00654286 |
| 0.323 (8/3/2022) | 0.35 (9/23/2013) | (0.323 - 0.35)/(39 - 3) | -0.00075 |
| 0.42 (11/16/2022) | 0.35 (9/23/2013) | (0.42 - 0.35)/(40 - 3) | 0.00189189 |
| ND<0.1 U (2/13/2023) | 0.35 (9/23/2013) | (0.1 - 0.35)/(41 - 3) | -0.00657895 |
| 0.182 (5/24/2023) | 0.35 (9/23/2013) | (0.182 - 0.35)/(42 - 3) | -0.00430769 |
| 0.43 (8/7/2023) | 0.35 (9/23/2013) | (0.43 - 0.35)/(43 - 3) | 0.002 |
| 0.782 (12/12/2023) | 0.35 (9/23/2013) | (0.782 - 0.35)/(44 - 3) | 0.0105366 |
| 0.498 (1/10/2024) | 0.35 (9/23/2013) | (0.498 - 0.35)/(45 - 3) | 0.00352381 |
| 0.192 (5/20/2024) | 0.35 (9/23/2013) | (0.192 - 0.35)/(46 - 3) | -0.00367442 |
| 0.74 (9/16/2024) | 0.35 (9/23/2013) | (0.74 - 0.35)/(47 - 3) | 0.00886364 |
| 0.549 (12/11/2024) | 0.35 (9/23/2013) | (0.549 - 0.35)/(48 - 3) | 0.00442222 |
| 0.233 (2/18/2025) | 0.35 (9/23/2013) | (0.233 - 0.35)/(49 - 3) | -0.00254348 |
| | | | |
| 0.13 (2/6/2014) | 0.34 (12/10/2013) | (0.13 - 0.34)/(5 - 4) | -0.21 |
| 0.28 (6/26/2014) | 0.34 (12/10/2013) | (0.28 - 0.34)/(6 - 4) | -0.03 |
| 0.54 (9/30/2014) | 0.34 (12/10/2013) | (0.54 - 0.34)/(7 - 4) | 0.0666667 |
| 0.39 (11/19/2014) | 0.34 (12/10/2013) | (0.39 - 0.34)/(8 - 4) | 0.0125 |
| 0.14 (3/23/2015) | 0.34 (12/10/2013) | (0.14 - 0.34)/(9 - 4) | -0.04 |
| 0.13 (4/22/2015) | 0.34 (12/10/2013) | (0.13 - 0.34)/(10 - 4) | -0.035 |
| 0.86 (9/30/2015) | 0.34 (12/10/2013) | (0.86 - 0.34)/(11 - 4) | 0.0742857 |
| 0.31 (11/19/2015) | 0.34 (12/10/2013) | (0.31 - 0.34)/(12 - 4) | -0.00375 |
| ND<0.1 U (3/15/2016) | 0.34 (12/10/2013) | (0.1 - 0.34)/(13 - 4) | -0.0266667 |
| 0.71 (6/29/2016) | 0.34 (12/10/2013) | (0.71 - 0.34)/(14 - 4) | 0.037 |
| 0.5 (8/9/2016) | 0.34 (12/10/2013) | (0.5 - 0.34)/(15 - 4) | 0.0145455 |
| 0.47 (12/7/2016) | 0.34 (12/10/2013) | (0.47 - 0.34)/(16 - 4) | 0.0108333 |
| 0.37 (3/2/2017) | 0.34 (12/10/2013) | (0.37 - 0.34)/(17 - 4) | 0.00230769 |
| 0.37 (6/21/2017) | 0.34 (12/10/2013) | (0.37 - 0.34)/(18 - 4) | 0.00214286 |
| 0.28 (8/17/2017) | 0.34 (12/10/2013) | (0.28 - 0.34)/(19 - 4) | -0.004 |

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|---|---|---|---|
| 0.25 (10/26/2017) | 0.34 (12/10/2013) | (0.25 - 0.34)/(20 - 4) | -0.005625 |
| 0.148 (3/27/2018) | 0.34 (12/10/2013) | (0.148 - 0.34)/(21 - 4) | -0.0112941 |
| 0.246 (6/26/2018) | 0.34 (12/10/2013) | (0.246 - 0.34)/(22 - 4) | -0.00522222 |
| 0.401 (8/1/2018) | 0.34 (12/10/2013) | (0.401 - 0.34)/(23 - 4) | 0.00321053 |
| 0.204 (12/11/2018) | 0.34 (12/10/2013) | (0.204 - 0.34)/(24 - 4) | -0.0068 |
| ND<0.1 U (4/17/2019) | 0.34 (12/10/2013) | (0.1 - 0.34)/(25 - 4) | -0.0114286 |
| 0.29 (6/11/2019) | 0.34 (12/10/2013) | (0.29 - 0.34)/(26 - 4) | -0.00227273 |
| 0.485 (8/28/2019) | 0.34 (12/10/2013) | (0.485 - 0.34)/(27 - 4) | 0.00630435 |
| 0.499 (10/28/2019) | 0.34 (12/10/2013) | (0.499 - 0.34)/(28 - 4) | 0.006625 |
| 0.102 (3/31/2020) | 0.34 (12/10/2013) | (0.102 - 0.34)/(29 - 4) | -0.00952 |
| 0.243 (6/10/2020) | 0.34 (12/10/2013) | (0.243 - 0.34)/(30 - 4) | -0.00373077 |
| 0.243 (6/10/2020) | 0.34 (12/10/2013) | (0.243 - 0.34)/(30 - 4) | -0.00373077 |
| 0.399 (9/21/2020) | 0.34 (12/10/2013) | (0.399 - 0.34)/(31 - 4) | 0.00218519 |
| ND<0.1 U (12/17/2020) | 0.34 (12/10/2013) | (0.1 - 0.34)/(32 - 4) | -0.00857143 |
| ND<0.1 U (3/18/2021) | 0.34 (12/10/2013) | (0.1 - 0.34)/(33 - 4) | -0.00827586 |
| 0.157 (5/5/2021) | 0.34 (12/10/2013) | (0.157 - 0.34)/(34 - 4) | -0.0061 |
| 0.262 (9/2/2021) | 0.34 (12/10/2013) | (0.262 - 0.34)/(35 - 4) | -0.00251613 |
| 0.253 (11/23/2021) | 0.34 (12/10/2013) | (0.253 - 0.34)/(36 - 4) | -0.00271875 |
| 0.184 (1/10/2022) | 0.34 (12/10/2013) | (0.184 - 0.34)/(37 - 4) | -0.00472727 |
| 0.121 (4/7/2022) | 0.34 (12/10/2013) | (0.121 - 0.34)/(38 - 4) | -0.00644118 |
| 0.323 (8/3/2022) | 0.34 (12/10/2013) | (0.323 - 0.34)/(39 - 4) | -0.000485714 |
| 0.42 (11/16/2022) | 0.34 (12/10/2013) | (0.42 - 0.34)/(40 - 4) | 0.00222222 |
| ND<0.1 U (2/13/2023) | 0.34 (12/10/2013) | (0.1 - 0.34)/(41 - 4) | -0.00648649 |
| 0.182 (5/24/2023) | 0.34 (12/10/2013) | (0.182 - 0.34)/(42 - 4) | -0.00415789 |
| 0.43 (8/7/2023) | 0.34 (12/10/2013) | (0.43 - 0.34)/(43 - 4) | 0.00230769 |
| 0.782 (12/12/2023) | 0.34 (12/10/2013) | (0.782 - 0.34)/(44 - 4) | 0.01105 |
| 0.498 (1/10/2024) | 0.34 (12/10/2013) | (0.498 - 0.34)/(45 - 4) | 0.00385366 |
| 0.192 (5/20/2024) | 0.34 (12/10/2013) | (0.192 - 0.34)/(46 - 4) | -0.00352381 |
| 0.74 (9/16/2024) | 0.34 (12/10/2013) | (0.74 - 0.34)/(47 - 4) | 0.00930233 |
| 0.549 (12/11/2024) | 0.34 (12/10/2013) | (0.549 - 0.34)/(48 - 4) | 0.00475 |
| 0.233 (2/18/2025) | 0.34 (12/10/2013) | (0.233 - 0.34)/(49 - 4) | -0.00237778 |

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|---|---|---|---|
| 0.28 (6/26/2014) | 0.13 (2/6/2014) | (0.28 - 0.13)/(6 - 5) | 0.15 |
| 0.54 (9/30/2014) | 0.13 (2/6/2014) | (0.54 - 0.13)/(7 - 5) | 0.205 |
| 0.39 (11/19/2014) | 0.13 (2/6/2014) | (0.39 - 0.13)/(8 - 5) | 0.0866667 |
| 0.14 (3/23/2015) | 0.13 (2/6/2014) | (0.14 - 0.13)/(9 - 5) | 0.0025 |
| 0.13 (4/22/2015) | 0.13 (2/6/2014) | (0.13 - 0.13)/(10 - 5) | 0 |
| 0.86 (9/30/2015) | 0.13 (2/6/2014) | (0.86 - 0.13)/(11 - 5) | 0.121667 |
| 0.31 (11/19/2015) | 0.13 (2/6/2014) | (0.31 - 0.13)/(12 - 5) | 0.0257143 |
| ND<0.1 U (3/15/2016) | 0.13 (2/6/2014) | (0.1 - 0.13)/(13 - 5) | -0.00375 |
| 0.71 (6/29/2016) | 0.13 (2/6/2014) | (0.71 - 0.13)/(14 - 5) | 0.0644444 |
| 0.5 (8/9/2016) | 0.13 (2/6/2014) | (0.5 - 0.13)/(15 - 5) | 0.037 |
| 0.47 (12/7/2016) | 0.13 (2/6/2014) | (0.47 - 0.13)/(16 - 5) | 0.0309091 |
| 0.37 (3/2/2017) | 0.13 (2/6/2014) | (0.37 - 0.13)/(17 - 5) | 0.02 |
| 0.37 (6/21/2017) | 0.13 (2/6/2014) | (0.37 - 0.13)/(18 - 5) | 0.0184615 |
| 0.28 (8/17/2017) | 0.13 (2/6/2014) | (0.28 - 0.13)/(19 - 5) | 0.0107143 |
| 0.25 (10/26/2017) | 0.13 (2/6/2014) | (0.25 - 0.13)/(20 - 5) | 0.008 |
| 0.148 (3/27/2018) | 0.13 (2/6/2014) | (0.148 - 0.13)/(21 - 5) | 0.001125 |
| 0.246 (6/26/2018) | 0.13 (2/6/2014) | (0.246 - 0.13)/(22 - 5) | 0.00682353 |
| 0.401 (8/1/2018) | 0.13 (2/6/2014) | (0.401 - 0.13)/(23 - 5) | 0.0150556 |
| 0.204 (12/11/2018) | 0.13 (2/6/2014) | (0.204 - 0.13)/(24 - 5) | 0.00389474 |
| ND<0.1 U (4/17/2019) | 0.13 (2/6/2014) | (0.1 - 0.13)/(25 - 5) | -0.0015 |
| 0.29 (6/11/2019) | 0.13 (2/6/2014) | (0.29 - 0.13)/(26 - 5) | 0.00761905 |
| 0.485 (8/28/2019) | 0.13 (2/6/2014) | (0.485 - 0.13)/(27 - 5) | 0.0161364 |
| 0.499 (10/28/2019) | 0.13 (2/6/2014) | (0.499 - 0.13)/(28 - 5) | 0.0160435 |
| 0.102 (3/31/2020) | 0.13 (2/6/2014) | (0.102 - 0.13)/(29 - 5) | -0.00116667 |
| 0.243 (6/10/2020) | 0.13 (2/6/2014) | (0.243 - 0.13)/(30 - 5) | 0.00452 |

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|---|---|---|---|
| 0.243 (6/10/2020) | 0.13 (2/6/2014) | (0.243 - 0.13)/(30 - 5) | 0.00452 |
| 0.399 (9/21/2020) | 0.13 (2/6/2014) | (0.399 - 0.13)/(31 - 5) | 0.0103462 |
| ND<0.1 U (12/17/2020) | 0.13 (2/6/2014) | (0.1 - 0.13)/(32 - 5) | -0.00111111 |
| ND<0.1 U (3/18/2021) | 0.13 (2/6/2014) | (0.1 - 0.13)/(33 - 5) | -0.00107143 |
| 0.157 (5/5/2021) | 0.13 (2/6/2014) | (0.157 - 0.13)/(34 - 5) | 0.000931034 |
| 0.262 (9/2/2021) | 0.13 (2/6/2014) | (0.262 - 0.13)/(35 - 5) | 0.0044 |
| 0.253 (11/23/2021) | 0.13 (2/6/2014) | (0.253 - 0.13)/(36 - 5) | 0.00396774 |
| 0.184 (1/10/2022) | 0.13 (2/6/2014) | (0.184 - 0.13)/(37 - 5) | 0.0016875 |
| 0.121 (4/7/2022) | 0.13 (2/6/2014) | (0.121 - 0.13)/(38 - 5) | -0.000272727 |
| 0.323 (8/3/2022) | 0.13 (2/6/2014) | (0.323 - 0.13)/(39 - 5) | 0.00567647 |
| 0.42 (11/16/2022) | 0.13 (2/6/2014) | (0.42 - 0.13)/(40 - 5) | 0.00828571 |
| ND<0.1 U (2/13/2023) | 0.13 (2/6/2014) | (0.1 - 0.13)/(41 - 5) | -0.000833333 |
| 0.182 (5/24/2023) | 0.13 (2/6/2014) | (0.182 - 0.13)/(42 - 5) | 0.00140541 |
| 0.43 (8/7/2023) | 0.13 (2/6/2014) | (0.43 - 0.13)/(43 - 5) | 0.00789474 |
| 0.782 (12/12/2023) | 0.13 (2/6/2014) | (0.782 - 0.13)/(44 - 5) | 0.0167179 |
| 0.498 (1/10/2024) | 0.13 (2/6/2014) | (0.498 - 0.13)/(45 - 5) | 0.0092 |
| 0.192 (5/20/2024) | 0.13 (2/6/2014) | (0.192 - 0.13)/(46 - 5) | 0.0015122 |
| 0.74 (9/16/2024) | 0.13 (2/6/2014) | (0.74 - 0.13)/(47 - 5) | 0.0145238 |
| 0.549 (12/11/2024) | 0.13 (2/6/2014) | (0.549 - 0.13)/(48 - 5) | 0.00974419 |
| 0.233 (2/18/2025) | 0.13 (2/6/2014) | (0.233 - 0.13)/(49 - 5) | 0.00234091 |
| | | | |
| 0.54 (9/30/2014) | 0.28 (6/26/2014) | (0.54 - 0.28)/(7 - 6) | 0.26 |
| 0.39 (11/19/2014) | 0.28 (6/26/2014) | (0.39 - 0.28)/(8 - 6) | 0.055 |
| 0.14 (3/23/2015) | 0.28 (6/26/2014) | (0.14 - 0.28)/(9 - 6) | -0.0466667 |
| 0.13 (4/22/2015) | 0.28 (6/26/2014) | (0.13 - 0.28)/(10 - 6) | -0.0375 |
| 0.86 (9/30/2015) | 0.28 (6/26/2014) | (0.86 - 0.28)/(11 - 6) | 0.116 |
| 0.31 (11/19/2015) | 0.28 (6/26/2014) | (0.31 - 0.28)/(12 - 6) | 0.005 |
| ND<0.1 U (3/15/2016) | 0.28 (6/26/2014) | (0.1 - 0.28)/(13 - 6) | -0.0257143 |
| 0.71 (6/29/2016) | 0.28 (6/26/2014) | (0.71 - 0.28)/(14 - 6) | 0.05375 |
| 0.5 (8/9/2016) | 0.28 (6/26/2014) | (0.5 - 0.28)/(15 - 6) | 0.0244444 |
| 0.47 (12/7/2016) | 0.28 (6/26/2014) | (0.47 - 0.28)/(16 - 6) | 0.019 |
| 0.37 (3/2/2017) | 0.28 (6/26/2014) | (0.37 - 0.28)/(17 - 6) | 0.00818182 |
| 0.37 (6/21/2017) | 0.28 (6/26/2014) | (0.37 - 0.28)/(18 - 6) | 0.0075 |
| 0.28 (8/17/2017) | 0.28 (6/26/2014) | (0.28 - 0.28)/(19 - 6) | 0 |
| 0.25 (10/26/2017) | 0.28 (6/26/2014) | (0.25 - 0.28)/(20 - 6) | -0.00214286 |
| 0.148 (3/27/2018) | 0.28 (6/26/2014) | (0.148 - 0.28)/(21 - 6) | -0.0088 |
| 0.246 (6/26/2018) | 0.28 (6/26/2014) | (0.246 - 0.28)/(22 - 6) | -0.002125 |
| 0.401 (8/1/2018) | 0.28 (6/26/2014) | (0.401 - 0.28)/(23 - 6) | 0.00711765 |
| 0.204 (12/11/2018) | 0.28 (6/26/2014) | (0.204 - 0.28)/(24 - 6) | -0.00422222 |
| ND<0.1 U (4/17/2019) | 0.28 (6/26/2014) | (0.1 - 0.28)/(25 - 6) | -0.00947368 |
| 0.29 (6/11/2019) | 0.28 (6/26/2014) | (0.29 - 0.28)/(26 - 6) | 0.0005 |
| 0.485 (8/28/2019) | 0.28 (6/26/2014) | (0.485 - 0.28)/(27 - 6) | 0.0097619 |
| 0.499 (10/28/2019) | 0.28 (6/26/2014) | (0.499 - 0.28)/(28 - 6) | 0.00995455 |
| 0.102 (3/31/2020) | 0.28 (6/26/2014) | (0.102 - 0.28)/(29 - 6) | -0.00773913 |
| 0.243 (6/10/2020) | 0.28 (6/26/2014) | (0.243 - 0.28)/(30 - 6) | -0.00154167 |
| 0.243 (6/10/2020) | 0.28 (6/26/2014) | (0.243 - 0.28)/(30 - 6) | -0.00154167 |
| 0.399 (9/21/2020) | 0.28 (6/26/2014) | (0.399 - 0.28)/(31 - 6) | 0.00476 |
| ND<0.1 U (12/17/2020) | 0.28 (6/26/2014) | (0.1 - 0.28)/(32 - 6) | -0.00692308 |
| ND<0.1 U (3/18/2021) | 0.28 (6/26/2014) | (0.1 - 0.28)/(33 - 6) | -0.00666667 |
| 0.157 (5/5/2021) | 0.28 (6/26/2014) | (0.157 - 0.28)/(34 - 6) | -0.00439286 |
| 0.262 (9/2/2021) | 0.28 (6/26/2014) | (0.262 - 0.28)/(35 - 6) | -0.00062069 |
| 0.253 (11/23/2021) | 0.28 (6/26/2014) | (0.253 - 0.28)/(36 - 6) | -0.0009 |
| 0.184 (1/10/2022) | 0.28 (6/26/2014) | (0.184 - 0.28)/(37 - 6) | -0.00309677 |
| 0.121 (4/7/2022) | 0.28 (6/26/2014) | (0.121 - 0.28)/(38 - 6) | -0.00496875 |
| 0.323 (8/3/2022) | 0.28 (6/26/2014) | (0.323 - 0.28)/(39 - 6) | 0.00130303 |
| 0.42 (11/16/2022) | 0.28 (6/26/2014) | (0.42 - 0.28)/(40 - 6) | 0.00411765 |
| ND<0.1 U (2/13/2023) | 0.28 (6/26/2014) | (0.1 - 0.28)/(41 - 6) | -0.00514286 |

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|---|---|---|---|
| 0.182 (5/24/2023) | 0.28 (6/26/2014) | (0.182 - 0.28)/(42 - 6) | -0.00272222 |
| 0.43 (8/7/2023) | 0.28 (6/26/2014) | (0.43 - 0.28)/(43 - 6) | 0.00405405 |
| 0.782 (12/12/2023) | 0.28 (6/26/2014) | (0.782 - 0.28)/(44 - 6) | 0.0132105 |
| 0.498 (1/10/2024) | 0.28 (6/26/2014) | (0.498 - 0.28)/(45 - 6) | 0.00558974 |
| 0.192 (5/20/2024) | 0.28 (6/26/2014) | (0.192 - 0.28)/(46 - 6) | -0.0022 |
| 0.74 (9/16/2024) | 0.28 (6/26/2014) | (0.74 - 0.28)/(47 - 6) | 0.0112195 |
| 0.549 (12/11/2024) | 0.28 (6/26/2014) | (0.549 - 0.28)/(48 - 6) | 0.00640476 |
| 0.233 (2/18/2025) | 0.28 (6/26/2014) | (0.233 - 0.28)/(49 - 6) | -0.00109302 |
| | | | |
| 0.39 (11/19/2014) | 0.54 (9/30/2014) | (0.39 - 0.54)/(8 - 7) | -0.15 |
| 0.14 (3/23/2015) | 0.54 (9/30/2014) | (0.14 - 0.54)/(9 - 7) | -0.2 |
| 0.13 (4/22/2015) | 0.54 (9/30/2014) | (0.13 - 0.54)/(10 - 7) | -0.136667 |
| 0.86 (9/30/2015) | 0.54 (9/30/2014) | (0.86 - 0.54)/(11 - 7) | 0.08 |
| 0.31 (11/19/2015) | 0.54 (9/30/2014) | (0.31 - 0.54)/(12 - 7) | -0.046 |
| ND<0.1 U (3/15/2016) | 0.54 (9/30/2014) | (0.1 - 0.54)/(13 - 7) | -0.0733333 |
| 0.71 (6/29/2016) | 0.54 (9/30/2014) | (0.71 - 0.54)/(14 - 7) | 0.0242857 |
| 0.5 (8/9/2016) | 0.54 (9/30/2014) | (0.5 - 0.54)/(15 - 7) | -0.005 |
| 0.47 (12/7/2016) | 0.54 (9/30/2014) | (0.47 - 0.54)/(16 - 7) | -0.00777778 |
| 0.37 (3/2/2017) | 0.54 (9/30/2014) | (0.37 - 0.54)/(17 - 7) | -0.017 |
| 0.37 (6/21/2017) | 0.54 (9/30/2014) | (0.37 - 0.54)/(18 - 7) | -0.0154545 |
| 0.28 (8/17/2017) | 0.54 (9/30/2014) | (0.28 - 0.54)/(19 - 7) | -0.0216667 |
| 0.25 (10/26/2017) | 0.54 (9/30/2014) | (0.25 - 0.54)/(20 - 7) | -0.0223077 |
| 0.148 (3/27/2018) | 0.54 (9/30/2014) | (0.148 - 0.54)/(21 - 7) | -0.028 |
| 0.246 (6/26/2018) | 0.54 (9/30/2014) | (0.246 - 0.54)/(22 - 7) | -0.0196 |
| 0.401 (8/1/2018) | 0.54 (9/30/2014) | (0.401 - 0.54)/(23 - 7) | -0.0086875 |
| 0.204 (12/11/2018) | 0.54 (9/30/2014) | (0.204 - 0.54)/(24 - 7) | -0.0197647 |
| ND<0.1 U (4/17/2019) | 0.54 (9/30/2014) | (0.1 - 0.54)/(25 - 7) | -0.0244444 |
| 0.29 (6/11/2019) | 0.54 (9/30/2014) | (0.29 - 0.54)/(26 - 7) | -0.0131579 |
| 0.485 (8/28/2019) | 0.54 (9/30/2014) | (0.485 - 0.54)/(27 - 7) | -0.00275 |
| 0.499 (10/28/2019) | 0.54 (9/30/2014) | (0.499 - 0.54)/(28 - 7) | -0.00195238 |
| 0.102 (3/31/2020) | 0.54 (9/30/2014) | (0.102 - 0.54)/(29 - 7) | -0.0199091 |
| 0.243 (6/10/2020) | 0.54 (9/30/2014) | (0.243 - 0.54)/(30 - 7) | -0.012913 |
| 0.243 (6/10/2020) | 0.54 (9/30/2014) | (0.243 - 0.54)/(30 - 7) | -0.012913 |
| 0.399 (9/21/2020) | 0.54 (9/30/2014) | (0.399 - 0.54)/(31 - 7) | -0.005875 |
| ND<0.1 U (12/17/2020) | 0.54 (9/30/2014) | (0.1 - 0.54)/(32 - 7) | -0.0176 |
| ND<0.1 U (3/18/2021) | 0.54 (9/30/2014) | (0.1 - 0.54)/(33 - 7) | -0.0169231 |
| 0.157 (5/5/2021) | 0.54 (9/30/2014) | (0.157 - 0.54)/(34 - 7) | -0.0141852 |
| 0.262 (9/2/2021) | 0.54 (9/30/2014) | (0.262 - 0.54)/(35 - 7) | -0.00992857 |
| 0.253 (11/23/2021) | 0.54 (9/30/2014) | (0.253 - 0.54)/(36 - 7) | -0.00989655 |
| 0.184 (1/10/2022) | 0.54 (9/30/2014) | (0.184 - 0.54)/(37 - 7) | -0.0118667 |
| 0.121 (4/7/2022) | 0.54 (9/30/2014) | (0.121 - 0.54)/(38 - 7) | -0.0135161 |
| 0.323 (8/3/2022) | 0.54 (9/30/2014) | (0.323 - 0.54)/(39 - 7) | -0.00678125 |
| 0.42 (11/16/2022) | 0.54 (9/30/2014) | (0.42 - 0.54)/(40 - 7) | -0.00363636 |
| ND<0.1 U (2/13/2023) | 0.54 (9/30/2014) | (0.1 - 0.54)/(41 - 7) | -0.0129412 |
| 0.182 (5/24/2023) | 0.54 (9/30/2014) | (0.182 - 0.54)/(42 - 7) | -0.0102286 |
| 0.43 (8/7/2023) | 0.54 (9/30/2014) | (0.43 - 0.54)/(43 - 7) | -0.00305556 |
| 0.782 (12/12/2023) | 0.54 (9/30/2014) | (0.782 - 0.54)/(44 - 7) | 0.00654054 |
| 0.498 (1/10/2024) | 0.54 (9/30/2014) | (0.498 - 0.54)/(45 - 7) | -0.00110526 |
| 0.192 (5/20/2024) | 0.54 (9/30/2014) | (0.192 - 0.54)/(46 - 7) | -0.00892308 |
| 0.74 (9/16/2024) | 0.54 (9/30/2014) | (0.74 - 0.54)/(47 - 7) | 0.005 |
| 0.549 (12/11/2024) | 0.54 (9/30/2014) | (0.549 - 0.54)/(48 - 7) | 0.000219512 |
| 0.233 (2/18/2025) | 0.54 (9/30/2014) | (0.233 - 0.54)/(49 - 7) | -0.00730952 |
| | | | |
| 0.14 (3/23/2015) | 0.39 (11/19/2014) | (0.14 - 0.39)/(9 - 8) | -0.25 |
| 0.13 (4/22/2015) | 0.39 (11/19/2014) | (0.13 - 0.39)/(10 - 8) | -0.13 |
| 0.86 (9/30/2015) | 0.39 (11/19/2014) | (0.86 - 0.39)/(11 - 8) | 0.156667 |
| 0.31 (11/19/2015) | 0.39 (11/19/2014) | (0.31 - 0.39)/(12 - 8) | -0.02 |

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|---|---|---|---|
| ND<0.1 U (3/15/2016) | 0.39 (11/19/2014) | (0.1 - 0.39)/(13 - 8) | -0.058 |
| 0.71 (6/29/2016) | 0.39 (11/19/2014) | (0.71 - 0.39)/(14 - 8) | 0.0533333 |
| 0.5 (8/9/2016) | 0.39 (11/19/2014) | (0.5 - 0.39)/(15 - 8) | 0.0157143 |
| 0.47 (12/7/2016) | 0.39 (11/19/2014) | (0.47 - 0.39)/(16 - 8) | 0.01 |
| 0.37 (3/2/2017) | 0.39 (11/19/2014) | (0.37 - 0.39)/(17 - 8) | -0.00222222 |
| 0.37 (6/21/2017) | 0.39 (11/19/2014) | (0.37 - 0.39)/(18 - 8) | -0.002 |
| 0.28 (8/17/2017) | 0.39 (11/19/2014) | (0.28 - 0.39)/(19 - 8) | -0.01 |
| 0.25 (10/26/2017) | 0.39 (11/19/2014) | (0.25 - 0.39)/(20 - 8) | -0.0116667 |
| 0.148 (3/27/2018) | 0.39 (11/19/2014) | (0.148 - 0.39)/(21 - 8) | -0.0186154 |
| 0.246 (6/26/2018) | 0.39 (11/19/2014) | (0.246 - 0.39)/(22 - 8) | -0.0102857 |
| 0.401 (8/1/2018) | 0.39 (11/19/2014) | (0.401 - 0.39)/(23 - 8) | 0.000733333 |
| 0.204 (12/11/2018) | 0.39 (11/19/2014) | (0.204 - 0.39)/(24 - 8) | -0.011625 |
| ND<0.1 U (4/17/2019) | 0.39 (11/19/2014) | (0.1 - 0.39)/(25 - 8) | -0.0170588 |
| 0.29 (6/11/2019) | 0.39 (11/19/2014) | (0.29 - 0.39)/(26 - 8) | -0.00555556 |
| 0.485 (8/28/2019) | 0.39 (11/19/2014) | (0.485 - 0.39)/(27 - 8) | 0.005 |
| 0.499 (10/28/2019) | 0.39 (11/19/2014) | (0.499 - 0.39)/(28 - 8) | 0.00545 |
| 0.102 (3/31/2020) | 0.39 (11/19/2014) | (0.102 - 0.39)/(29 - 8) | -0.0137143 |
| 0.243 (6/10/2020) | 0.39 (11/19/2014) | (0.243 - 0.39)/(30 - 8) | -0.00668182 |
| 0.243 (6/10/2020) | 0.39 (11/19/2014) | (0.243 - 0.39)/(30 - 8) | -0.00668182 |
| 0.399 (9/21/2020) | 0.39 (11/19/2014) | (0.399 - 0.39)/(31 - 8) | 0.000391304 |
| ND<0.1 U (12/17/2020) | 0.39 (11/19/2014) | (0.1 - 0.39)/(32 - 8) | -0.0120833 |
| ND<0.1 U (3/18/2021) | 0.39 (11/19/2014) | (0.1 - 0.39)/(33 - 8) | -0.0116 |
| 0.157 (5/5/2021) | 0.39 (11/19/2014) | (0.157 - 0.39)/(34 - 8) | -0.00896154 |
| 0.262 (9/2/2021) | 0.39 (11/19/2014) | (0.262 - 0.39)/(35 - 8) | -0.00474074 |
| 0.253 (11/23/2021) | 0.39 (11/19/2014) | (0.253 - 0.39)/(36 - 8) | -0.00489286 |
| 0.184 (1/10/2022) | 0.39 (11/19/2014) | (0.184 - 0.39)/(37 - 8) | -0.00710345 |
| 0.121 (4/7/2022) | 0.39 (11/19/2014) | (0.121 - 0.39)/(38 - 8) | -0.00896667 |
| 0.323 (8/3/2022) | 0.39 (11/19/2014) | (0.323 - 0.39)/(39 - 8) | -0.00216129 |
| 0.42 (11/16/2022) | 0.39 (11/19/2014) | (0.42 - 0.39)/(40 - 8) | 0.0009375 |
| ND<0.1 U (2/13/2023) | 0.39 (11/19/2014) | (0.1 - 0.39)/(41 - 8) | -0.00878788 |
| 0.182 (5/24/2023) | 0.39 (11/19/2014) | (0.182 - 0.39)/(42 - 8) | -0.00611765 |
| 0.43 (8/7/2023) | 0.39 (11/19/2014) | (0.43 - 0.39)/(43 - 8) | 0.00114286 |
| 0.782 (12/12/2023) | 0.39 (11/19/2014) | (0.782 - 0.39)/(44 - 8) | 0.0108889 |
| 0.498 (1/10/2024) | 0.39 (11/19/2014) | (0.498 - 0.39)/(45 - 8) | 0.00291892 |
| 0.192 (5/20/2024) | 0.39 (11/19/2014) | (0.192 - 0.39)/(46 - 8) | -0.00521053 |
| 0.74 (9/16/2024) | 0.39 (11/19/2014) | (0.74 - 0.39)/(47 - 8) | 0.00897436 |
| 0.549 (12/11/2024) | 0.39 (11/19/2014) | (0.549 - 0.39)/(48 - 8) | 0.003975 |
| 0.233 (2/18/2025) | 0.39 (11/19/2014) | (0.233 - 0.39)/(49 - 8) | -0.00382927 |
| | | | |
| 0.13 (4/22/2015) | 0.14 (3/23/2015) | (0.13 - 0.14)/(10 - 9) | -0.01 |
| 0.86 (9/30/2015) | 0.14 (3/23/2015) | (0.86 - 0.14)/(11 - 9) | 0.36 |
| 0.31 (11/19/2015) | 0.14 (3/23/2015) | (0.31 - 0.14)/(12 - 9) | 0.0566667 |
| ND<0.1 U (3/15/2016) | 0.14 (3/23/2015) | (0.1 - 0.14)/(13 - 9) | -0.01 |
| 0.71 (6/29/2016) | 0.14 (3/23/2015) | (0.71 - 0.14)/(14 - 9) | 0.114 |
| 0.5 (8/9/2016) | 0.14 (3/23/2015) | (0.5 - 0.14)/(15 - 9) | 0.06 |
| 0.47 (12/7/2016) | 0.14 (3/23/2015) | (0.47 - 0.14)/(16 - 9) | 0.0471429 |
| 0.37 (3/2/2017) | 0.14 (3/23/2015) | (0.37 - 0.14)/(17 - 9) | 0.02875 |
| 0.37 (6/21/2017) | 0.14 (3/23/2015) | (0.37 - 0.14)/(18 - 9) | 0.0255556 |
| 0.28 (8/17/2017) | 0.14 (3/23/2015) | (0.28 - 0.14)/(19 - 9) | 0.014 |
| 0.25 (10/26/2017) | 0.14 (3/23/2015) | (0.25 - 0.14)/(20 - 9) | 0.01 |
| 0.148 (3/27/2018) | 0.14 (3/23/2015) | (0.148 - 0.14)/(21 - 9) | 0.000666667 |
| 0.246 (6/26/2018) | 0.14 (3/23/2015) | (0.246 - 0.14)/(22 - 9) | 0.00815385 |
| 0.401 (8/1/2018) | 0.14 (3/23/2015) | (0.401 - 0.14)/(23 - 9) | 0.0186429 |
| 0.204 (12/11/2018) | 0.14 (3/23/2015) | (0.204 - 0.14)/(24 - 9) | 0.00426667 |
| ND<0.1 U (4/17/2019) | 0.14 (3/23/2015) | (0.1 - 0.14)/(25 - 9) | -0.0025 |
| 0.29 (6/11/2019) | 0.14 (3/23/2015) | (0.29 - 0.14)/(26 - 9) | 0.00882353 |
| 0.485 (8/28/2019) | 0.14 (3/23/2015) | (0.485 - 0.14)/(27 - 9) | 0.0191667 |

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|---|---|---|---|
| 0.499 (10/28/2019) | 0.14 (3/23/2015) | (0.499 - 0.14)/(28 - 9) | 0.0188947 |
| 0.102 (3/31/2020) | 0.14 (3/23/2015) | (0.102 - 0.14)/(29 - 9) | -0.0019 |
| 0.243 (6/10/2020) | 0.14 (3/23/2015) | (0.243 - 0.14)/(30 - 9) | 0.00490476 |
| 0.243 (6/10/2020) | 0.14 (3/23/2015) | (0.243 - 0.14)/(30 - 9) | 0.00490476 |
| 0.399 (9/21/2020) | 0.14 (3/23/2015) | (0.399 - 0.14)/(31 - 9) | 0.0117727 |
| ND<0.1 U (12/17/2020) | 0.14 (3/23/2015) | (0.1 - 0.14)/(32 - 9) | -0.00173913 |
| ND<0.1 U (3/18/2021) | 0.14 (3/23/2015) | (0.1 - 0.14)/(33 - 9) | -0.00166667 |
| 0.157 (5/5/2021) | 0.14 (3/23/2015) | (0.157 - 0.14)/(34 - 9) | 0.00068 |
| 0.262 (9/2/2021) | 0.14 (3/23/2015) | (0.262 - 0.14)/(35 - 9) | 0.00469231 |
| 0.253 (11/23/2021) | 0.14 (3/23/2015) | (0.253 - 0.14)/(36 - 9) | 0.00418519 |
| 0.184 (1/10/2022) | 0.14 (3/23/2015) | (0.184 - 0.14)/(37 - 9) | 0.00157143 |
| 0.121 (4/7/2022) | 0.14 (3/23/2015) | (0.121 - 0.14)/(38 - 9) | -0.000655172 |
| 0.323 (8/3/2022) | 0.14 (3/23/2015) | (0.323 - 0.14)/(39 - 9) | 0.0061 |
| 0.42 (11/16/2022) | 0.14 (3/23/2015) | (0.42 - 0.14)/(40 - 9) | 0.00903226 |
| ND<0.1 U (2/13/2023) | 0.14 (3/23/2015) | (0.1 - 0.14)/(41 - 9) | -0.00125 |
| 0.182 (5/24/2023) | 0.14 (3/23/2015) | (0.182 - 0.14)/(42 - 9) | 0.00127273 |
| 0.43 (8/7/2023) | 0.14 (3/23/2015) | (0.43 - 0.14)/(43 - 9) | 0.00852941 |
| 0.782 (12/12/2023) | 0.14 (3/23/2015) | (0.782 - 0.14)/(44 - 9) | 0.0183429 |
| 0.498 (1/10/2024) | 0.14 (3/23/2015) | (0.498 - 0.14)/(45 - 9) | 0.00994444 |
| 0.192 (5/20/2024) | 0.14 (3/23/2015) | (0.192 - 0.14)/(46 - 9) | 0.00140541 |
| 0.74 (9/16/2024) | 0.14 (3/23/2015) | (0.74 - 0.14)/(47 - 9) | 0.0157895 |
| 0.549 (12/11/2024) | 0.14 (3/23/2015) | (0.549 - 0.14)/(48 - 9) | 0.0104872 |
| 0.233 (2/18/2025) | 0.14 (3/23/2015) | (0.233 - 0.14)/(49 - 9) | 0.002325 |
| | | | |
| 0.86 (9/30/2015) | 0.13 (4/22/2015) | (0.86 - 0.13)/(11 - 10) | 0.73 |
| 0.31 (11/19/2015) | 0.13 (4/22/2015) | (0.31 - 0.13)/(12 - 10) | 0.09 |
| ND<0.1 U (3/15/2016) | 0.13 (4/22/2015) | (0.1 - 0.13)/(13 - 10) | -0.01 |
| 0.71 (6/29/2016) | 0.13 (4/22/2015) | (0.71 - 0.13)/(14 - 10) | 0.145 |
| 0.5 (8/9/2016) | 0.13 (4/22/2015) | (0.5 - 0.13)/(15 - 10) | 0.074 |
| 0.47 (12/7/2016) | 0.13 (4/22/2015) | (0.47 - 0.13)/(16 - 10) | 0.0566667 |
| 0.37 (3/2/2017) | 0.13 (4/22/2015) | (0.37 - 0.13)/(17 - 10) | 0.0342857 |
| 0.37 (6/21/2017) | 0.13 (4/22/2015) | (0.37 - 0.13)/(18 - 10) | 0.03 |
| 0.28 (8/17/2017) | 0.13 (4/22/2015) | (0.28 - 0.13)/(19 - 10) | 0.0166667 |
| 0.25 (10/26/2017) | 0.13 (4/22/2015) | (0.25 - 0.13)/(20 - 10) | 0.012 |
| 0.148 (3/27/2018) | 0.13 (4/22/2015) | (0.148 - 0.13)/(21 - 10) | 0.00163636 |
| 0.246 (6/26/2018) | 0.13 (4/22/2015) | (0.246 - 0.13)/(22 - 10) | 0.00966667 |
| 0.401 (8/1/2018) | 0.13 (4/22/2015) | (0.401 - 0.13)/(23 - 10) | 0.0208462 |
| 0.204 (12/11/2018) | 0.13 (4/22/2015) | (0.204 - 0.13)/(24 - 10) | 0.00528571 |
| ND<0.1 U (4/17/2019) | 0.13 (4/22/2015) | (0.1 - 0.13)/(25 - 10) | -0.002 |
| 0.29 (6/11/2019) | 0.13 (4/22/2015) | (0.29 - 0.13)/(26 - 10) | 0.01 |
| 0.485 (8/28/2019) | 0.13 (4/22/2015) | (0.485 - 0.13)/(27 - 10) | 0.0208824 |
| 0.499 (10/28/2019) | 0.13 (4/22/2015) | (0.499 - 0.13)/(28 - 10) | 0.0205 |
| 0.102 (3/31/2020) | 0.13 (4/22/2015) | (0.102 - 0.13)/(29 - 10) | -0.00147368 |
| 0.243 (6/10/2020) | 0.13 (4/22/2015) | (0.243 - 0.13)/(30 - 10) | 0.00565 |
| 0.243 (6/10/2020) | 0.13 (4/22/2015) | (0.243 - 0.13)/(30 - 10) | 0.00565 |
| 0.399 (9/21/2020) | 0.13 (4/22/2015) | (0.399 - 0.13)/(31 - 10) | 0.0128095 |
| ND<0.1 U (12/17/2020) | 0.13 (4/22/2015) | (0.1 - 0.13)/(32 - 10) | -0.00136364 |
| ND<0.1 U (3/18/2021) | 0.13 (4/22/2015) | (0.1 - 0.13)/(33 - 10) | -0.00130435 |
| 0.157 (5/5/2021) | 0.13 (4/22/2015) | (0.157 - 0.13)/(34 - 10) | 0.001125 |
| 0.262 (9/2/2021) | 0.13 (4/22/2015) | (0.262 - 0.13)/(35 - 10) | 0.00528 |
| 0.253 (11/23/2021) | 0.13 (4/22/2015) | (0.253 - 0.13)/(36 - 10) | 0.00473077 |
| 0.184 (1/10/2022) | 0.13 (4/22/2015) | (0.184 - 0.13)/(37 - 10) | 0.002 |
| 0.121 (4/7/2022) | 0.13 (4/22/2015) | (0.121 - 0.13)/(38 - 10) | -0.000321429 |
| 0.323 (8/3/2022) | 0.13 (4/22/2015) | (0.323 - 0.13)/(39 - 10) | 0.00665517 |
| 0.42 (11/16/2022) | 0.13 (4/22/2015) | (0.42 - 0.13)/(40 - 10) | 0.00966667 |
| ND<0.1 U (2/13/2023) | 0.13 (4/22/2015) | (0.1 - 0.13)/(41 - 10) | -0.000967742 |
| 0.182 (5/24/2023) | 0.13 (4/22/2015) | (0.182 - 0.13)/(42 - 10) | 0.001625 |

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|---|---|---|---|
| 0.43 (8/7/2023) | 0.13 (4/22/2015) | (0.43 - 0.13)/(43 - 10) | 0.00909091 |
| 0.782 (12/12/2023) | 0.13 (4/22/2015) | (0.782 - 0.13)/(44 - 10) | 0.0191765 |
| 0.498 (1/10/2024) | 0.13 (4/22/2015) | (0.498 - 0.13)/(45 - 10) | 0.0105143 |
| 0.192 (5/20/2024) | 0.13 (4/22/2015) | (0.192 - 0.13)/(46 - 10) | 0.00172222 |
| 0.74 (9/16/2024) | 0.13 (4/22/2015) | (0.74 - 0.13)/(47 - 10) | 0.0164865 |
| 0.549 (12/11/2024) | 0.13 (4/22/2015) | (0.549 - 0.13)/(48 - 10) | 0.0110263 |
| 0.233 (2/18/2025) | 0.13 (4/22/2015) | (0.233 - 0.13)/(49 - 10) | 0.00264103 |
| | | | |
| 0.31 (11/19/2015) | 0.86 (9/30/2015) | (0.31 - 0.86)/(12 - 11) | -0.55 |
| ND<0.1 U (3/15/2016) | 0.86 (9/30/2015) | (0.1 - 0.86)/(13 - 11) | -0.38 |
| 0.71 (6/29/2016) | 0.86 (9/30/2015) | (0.71 - 0.86)/(14 - 11) | -0.05 |
| 0.5 (8/9/2016) | 0.86 (9/30/2015) | (0.5 - 0.86)/(15 - 11) | -0.09 |
| 0.47 (12/7/2016) | 0.86 (9/30/2015) | (0.47 - 0.86)/(16 - 11) | -0.078 |
| 0.37 (3/2/2017) | 0.86 (9/30/2015) | (0.37 - 0.86)/(17 - 11) | -0.0816667 |
| 0.37 (6/21/2017) | 0.86 (9/30/2015) | (0.37 - 0.86)/(18 - 11) | -0.07 |
| 0.28 (8/17/2017) | 0.86 (9/30/2015) | (0.28 - 0.86)/(19 - 11) | -0.0725 |
| 0.25 (10/26/2017) | 0.86 (9/30/2015) | (0.25 - 0.86)/(20 - 11) | -0.0677778 |
| 0.148 (3/27/2018) | 0.86 (9/30/2015) | (0.148 - 0.86)/(21 - 11) | -0.0712 |
| 0.246 (6/26/2018) | 0.86 (9/30/2015) | (0.246 - 0.86)/(22 - 11) | -0.0558182 |
| 0.401 (8/1/2018) | 0.86 (9/30/2015) | (0.401 - 0.86)/(23 - 11) | -0.03825 |
| 0.204 (12/11/2018) | 0.86 (9/30/2015) | (0.204 - 0.86)/(24 - 11) | -0.0504615 |
| ND<0.1 U (4/17/2019) | 0.86 (9/30/2015) | (0.1 - 0.86)/(25 - 11) | -0.0542857 |
| 0.29 (6/11/2019) | 0.86 (9/30/2015) | (0.29 - 0.86)/(26 - 11) | -0.038 |
| 0.485 (8/28/2019) | 0.86 (9/30/2015) | (0.485 - 0.86)/(27 - 11) | -0.0234375 |
| 0.499 (10/28/2019) | 0.86 (9/30/2015) | (0.499 - 0.86)/(28 - 11) | -0.0212353 |
| 0.102 (3/31/2020) | 0.86 (9/30/2015) | (0.102 - 0.86)/(29 - 11) | -0.0421111 |
| 0.243 (6/10/2020) | 0.86 (9/30/2015) | (0.243 - 0.86)/(30 - 11) | -0.0324737 |
| 0.243 (6/10/2020) | 0.86 (9/30/2015) | (0.243 - 0.86)/(30 - 11) | -0.0324737 |
| 0.399 (9/21/2020) | 0.86 (9/30/2015) | (0.399 - 0.86)/(31 - 11) | -0.02305 |
| ND<0.1 U (12/17/2020) | 0.86 (9/30/2015) | (0.1 - 0.86)/(32 - 11) | -0.0361905 |
| ND<0.1 U (3/18/2021) | 0.86 (9/30/2015) | (0.1 - 0.86)/(33 - 11) | -0.0345455 |
| 0.157 (5/5/2021) | 0.86 (9/30/2015) | (0.157 - 0.86)/(34 - 11) | -0.0305652 |
| 0.262 (9/2/2021) | 0.86 (9/30/2015) | (0.262 - 0.86)/(35 - 11) | -0.0249167 |
| 0.253 (11/23/2021) | 0.86 (9/30/2015) | (0.253 - 0.86)/(36 - 11) | -0.02428 |
| 0.184 (1/10/2022) | 0.86 (9/30/2015) | (0.184 - 0.86)/(37 - 11) | -0.026 |
| 0.121 (4/7/2022) | 0.86 (9/30/2015) | (0.121 - 0.86)/(38 - 11) | -0.0273704 |
| 0.323 (8/3/2022) | 0.86 (9/30/2015) | (0.323 - 0.86)/(39 - 11) | -0.0191786 |
| 0.42 (11/16/2022) | 0.86 (9/30/2015) | (0.42 - 0.86)/(40 - 11) | -0.0151724 |
| ND<0.1 U (2/13/2023) | 0.86 (9/30/2015) | (0.1 - 0.86)/(41 - 11) | -0.0253333 |
| 0.182 (5/24/2023) | 0.86 (9/30/2015) | (0.182 - 0.86)/(42 - 11) | -0.021871 |
| 0.43 (8/7/2023) | 0.86 (9/30/2015) | (0.43 - 0.86)/(43 - 11) | -0.0134375 |
| 0.782 (12/12/2023) | 0.86 (9/30/2015) | (0.782 - 0.86)/(44 - 11) | -0.00236364 |
| 0.498 (1/10/2024) | 0.86 (9/30/2015) | (0.498 - 0.86)/(45 - 11) | -0.0106471 |
| 0.192 (5/20/2024) | 0.86 (9/30/2015) | (0.192 - 0.86)/(46 - 11) | -0.0190857 |
| 0.74 (9/16/2024) | 0.86 (9/30/2015) | (0.74 - 0.86)/(47 - 11) | -0.00333333 |
| 0.549 (12/11/2024) | 0.86 (9/30/2015) | (0.549 - 0.86)/(48 - 11) | -0.00840541 |
| 0.233 (2/18/2025) | 0.86 (9/30/2015) | (0.233 - 0.86)/(49 - 11) | -0.0165 |
| | | | |
| ND<0.1 U (3/15/2016) | 0.31 (11/19/2015) | (0.1 - 0.31)/(13 - 12) | -0.21 |
| 0.71 (6/29/2016) | 0.31 (11/19/2015) | (0.71 - 0.31)/(14 - 12) | 0.2 |
| 0.5 (8/9/2016) | 0.31 (11/19/2015) | (0.5 - 0.31)/(15 - 12) | 0.0633333 |
| 0.47 (12/7/2016) | 0.31 (11/19/2015) | (0.47 - 0.31)/(16 - 12) | 0.04 |
| 0.37 (3/2/2017) | 0.31 (11/19/2015) | (0.37 - 0.31)/(17 - 12) | 0.012 |
| 0.37 (6/21/2017) | 0.31 (11/19/2015) | (0.37 - 0.31)/(18 - 12) | 0.01 |
| 0.28 (8/17/2017) | 0.31 (11/19/2015) | (0.28 - 0.31)/(19 - 12) | -0.00428571 |
| 0.25 (10/26/2017) | 0.31 (11/19/2015) | (0.25 - 0.31)/(20 - 12) | -0.0075 |
| 0.148 (3/27/2018) | 0.31 (11/19/2015) | (0.148 - 0.31)/(21 - 12) | -0.018 |

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|---|---|---|---|
| 0.246 (6/26/2018) | 0.31 (11/19/2015) | (0.246 - 0.31)/(22 - 12) | -0.0064 |
| 0.401 (8/1/2018) | 0.31 (11/19/2015) | (0.401 - 0.31)/(23 - 12) | 0.00827273 |
| 0.204 (12/11/2018) | 0.31 (11/19/2015) | (0.204 - 0.31)/(24 - 12) | -0.00883333 |
| ND<0.1 U (4/17/2019) | 0.31 (11/19/2015) | (0.1 - 0.31)/(25 - 12) | -0.0161538 |
| 0.29 (6/11/2019) | 0.31 (11/19/2015) | (0.29 - 0.31)/(26 - 12) | -0.00142857 |
| 0.485 (8/28/2019) | 0.31 (11/19/2015) | (0.485 - 0.31)/(27 - 12) | 0.0116667 |
| 0.499 (10/28/2019) | 0.31 (11/19/2015) | (0.499 - 0.31)/(28 - 12) | 0.0118125 |
| 0.102 (3/31/2020) | 0.31 (11/19/2015) | (0.102 - 0.31)/(29 - 12) | -0.0122353 |
| 0.243 (6/10/2020) | 0.31 (11/19/2015) | (0.243 - 0.31)/(30 - 12) | -0.00372222 |
| 0.243 (6/10/2020) | 0.31 (11/19/2015) | (0.243 - 0.31)/(30 - 12) | -0.00372222 |
| 0.399 (9/21/2020) | 0.31 (11/19/2015) | (0.399 - 0.31)/(31 - 12) | 0.00468421 |
| ND<0.1 U (12/17/2020) | 0.31 (11/19/2015) | (0.1 - 0.31)/(32 - 12) | -0.0105 |
| ND<0.1 U (3/18/2021) | 0.31 (11/19/2015) | (0.1 - 0.31)/(33 - 12) | -0.01 |
| 0.157 (5/5/2021) | 0.31 (11/19/2015) | (0.157 - 0.31)/(34 - 12) | -0.00695455 |
| 0.262 (9/2/2021) | 0.31 (11/19/2015) | (0.262 - 0.31)/(35 - 12) | -0.00208696 |
| 0.253 (11/23/2021) | 0.31 (11/19/2015) | (0.253 - 0.31)/(36 - 12) | -0.002375 |
| 0.184 (1/10/2022) | 0.31 (11/19/2015) | (0.184 - 0.31)/(37 - 12) | -0.00504 |
| 0.121 (4/7/2022) | 0.31 (11/19/2015) | (0.121 - 0.31)/(38 - 12) | -0.00726923 |
| 0.323 (8/3/2022) | 0.31 (11/19/2015) | (0.323 - 0.31)/(39 - 12) | 0.000481481 |
| 0.42 (11/16/2022) | 0.31 (11/19/2015) | (0.42 - 0.31)/(40 - 12) | 0.00392857 |
| ND<0.1 U (2/13/2023) | 0.31 (11/19/2015) | (0.1 - 0.31)/(41 - 12) | -0.00724138 |
| 0.182 (5/24/2023) | 0.31 (11/19/2015) | (0.182 - 0.31)/(42 - 12) | -0.00426667 |
| 0.43 (8/7/2023) | 0.31 (11/19/2015) | (0.43 - 0.31)/(43 - 12) | 0.00387097 |
| 0.782 (12/12/2023) | 0.31 (11/19/2015) | (0.782 - 0.31)/(44 - 12) | 0.01475 |
| 0.498 (1/10/2024) | 0.31 (11/19/2015) | (0.498 - 0.31)/(45 - 12) | 0.00569697 |
| 0.192 (5/20/2024) | 0.31 (11/19/2015) | (0.192 - 0.31)/(46 - 12) | -0.00347059 |
| 0.74 (9/16/2024) | 0.31 (11/19/2015) | (0.74 - 0.31)/(47 - 12) | 0.0122857 |
| 0.549 (12/11/2024) | 0.31 (11/19/2015) | (0.549 - 0.31)/(48 - 12) | 0.00663889 |
| 0.233 (2/18/2025) | 0.31 (11/19/2015) | (0.233 - 0.31)/(49 - 12) | -0.00208108 |

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|---|---|---|---|
| 0.71 (6/29/2016) | ND<0.1 U (3/15/2016) | (0.71 - 0.1)/(14 - 13) | 0.61 |
| 0.5 (8/9/2016) | ND<0.1 U (3/15/2016) | (0.5 - 0.1)/(15 - 13) | 0.2 |
| 0.47 (12/7/2016) | ND<0.1 U (3/15/2016) | (0.47 - 0.1)/(16 - 13) | 0.123333 |
| 0.37 (3/2/2017) | ND<0.1 U (3/15/2016) | (0.37 - 0.1)/(17 - 13) | 0.0675 |
| 0.37 (6/21/2017) | ND<0.1 U (3/15/2016) | (0.37 - 0.1)/(18 - 13) | 0.054 |
| 0.28 (8/17/2017) | ND<0.1 U (3/15/2016) | (0.28 - 0.1)/(19 - 13) | 0.03 |
| 0.25 (10/26/2017) | ND<0.1 U (3/15/2016) | (0.25 - 0.1)/(20 - 13) | 0.0214286 |
| 0.148 (3/27/2018) | ND<0.1 U (3/15/2016) | (0.148 - 0.1)/(21 - 13) | 0.006 |
| 0.246 (6/26/2018) | ND<0.1 U (3/15/2016) | (0.246 - 0.1)/(22 - 13) | 0.0162222 |
| 0.401 (8/1/2018) | ND<0.1 U (3/15/2016) | (0.401 - 0.1)/(23 - 13) | 0.0301 |
| 0.204 (12/11/2018) | ND<0.1 U (3/15/2016) | (0.204 - 0.1)/(24 - 13) | 0.00945455 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| 0.29 (6/11/2019) | ND<0.1 U (3/15/2016) | (0.29 - 0.1)/(26 - 13) | 0.0146154 |
| 0.485 (8/28/2019) | ND<0.1 U (3/15/2016) | (0.485 - 0.1)/(27 - 13) | 0.0275 |
| 0.499 (10/28/2019) | ND<0.1 U (3/15/2016) | (0.499 - 0.1)/(28 - 13) | 0.0266 |
| 0.102 (3/31/2020) | ND<0.1 U (3/15/2016) | (0.102 - 0.1)/(29 - 13) | 0.000125 |
| 0.243 (6/10/2020) | ND<0.1 U (3/15/2016) | (0.243 - 0.1)/(30 - 13) | 0.00841176 |
| 0.243 (6/10/2020) | ND<0.1 U (3/15/2016) | (0.243 - 0.1)/(30 - 13) | 0.00841176 |
| 0.399 (9/21/2020) | ND<0.1 U (3/15/2016) | (0.399 - 0.1)/(31 - 13) | 0.0166111 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| 0.157 (5/5/2021) | ND<0.1 U (3/15/2016) | (0.157 - 0.1)/(34 - 13) | 0.00271429 |
| 0.262 (9/2/2021) | ND<0.1 U (3/15/2016) | (0.262 - 0.1)/(35 - 13) | 0.00736364 |
| 0.253 (11/23/2021) | ND<0.1 U (3/15/2016) | (0.253 - 0.1)/(36 - 13) | 0.00665217 |
| 0.184 (1/10/2022) | ND<0.1 U (3/15/2016) | (0.184 - 0.1)/(37 - 13) | 0.0035 |
| 0.121 (4/7/2022) | ND<0.1 U (3/15/2016) | (0.121 - 0.1)/(38 - 13) | 0.00084 |
| 0.323 (8/3/2022) | ND<0.1 U (3/15/2016) | (0.323 - 0.1)/(39 - 13) | 0.00857692 |

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|---|---|---|---|
| 0.42 (11/16/2022) | ND<0.1 U (3/15/2016) | (0.42 - 0.1)/(40 - 13) | 0.0118519 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.182 (5/24/2023) | ND<0.1 U (3/15/2016) | (0.182 - 0.1)/(42 - 13) | 0.00282759 |
| 0.43 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.43 - 0.1)/(43 - 13) | 0.011 |
| 0.782 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.782 - 0.1)/(44 - 13) | 0.022 |
| 0.498 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.498 - 0.1)/(45 - 13) | 0.0124375 |
| 0.192 (5/20/2024) | ND<0.1 U (3/15/2016) | (0.192 - 0.1)/(46 - 13) | 0.00278788 |
| 0.74 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.74 - 0.1)/(47 - 13) | 0.0188235 |
| 0.549 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.549 - 0.1)/(48 - 13) | 0.0128286 |
| 0.233 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.233 - 0.1)/(49 - 13) | 0.00369444 |

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|---|---|---|---|
| 0.5 (8/9/2016) | 0.71 (6/29/2016) | (0.5 - 0.71)/(15 - 14) | -0.21 |
| 0.47 (12/7/2016) | 0.71 (6/29/2016) | (0.47 - 0.71)/(16 - 14) | -0.12 |
| 0.37 (3/2/2017) | 0.71 (6/29/2016) | (0.37 - 0.71)/(17 - 14) | -0.113333 |
| 0.37 (6/21/2017) | 0.71 (6/29/2016) | (0.37 - 0.71)/(18 - 14) | -0.085 |
| 0.28 (8/17/2017) | 0.71 (6/29/2016) | (0.28 - 0.71)/(19 - 14) | -0.086 |
| 0.25 (10/26/2017) | 0.71 (6/29/2016) | (0.25 - 0.71)/(20 - 14) | -0.0766667 |
| 0.148 (3/27/2018) | 0.71 (6/29/2016) | (0.148 - 0.71)/(21 - 14) | -0.0802857 |
| 0.246 (6/26/2018) | 0.71 (6/29/2016) | (0.246 - 0.71)/(22 - 14) | -0.058 |
| 0.401 (8/1/2018) | 0.71 (6/29/2016) | (0.401 - 0.71)/(23 - 14) | -0.0343333 |
| 0.204 (12/11/2018) | 0.71 (6/29/2016) | (0.204 - 0.71)/(24 - 14) | -0.0506 |
| ND<0.1 U (4/17/2019) | 0.71 (6/29/2016) | (0.1 - 0.71)/(25 - 14) | -0.0554545 |
| 0.29 (6/11/2019) | 0.71 (6/29/2016) | (0.29 - 0.71)/(26 - 14) | -0.035 |
| 0.485 (8/28/2019) | 0.71 (6/29/2016) | (0.485 - 0.71)/(27 - 14) | -0.0173077 |
| 0.499 (10/28/2019) | 0.71 (6/29/2016) | (0.499 - 0.71)/(28 - 14) | -0.0150714 |
| 0.102 (3/31/2020) | 0.71 (6/29/2016) | (0.102 - 0.71)/(29 - 14) | -0.0405333 |
| 0.243 (6/10/2020) | 0.71 (6/29/2016) | (0.243 - 0.71)/(30 - 14) | -0.0291875 |
| 0.243 (6/10/2020) | 0.71 (6/29/2016) | (0.243 - 0.71)/(30 - 14) | -0.0291875 |
| 0.399 (9/21/2020) | 0.71 (6/29/2016) | (0.399 - 0.71)/(31 - 14) | -0.0182941 |
| ND<0.1 U (12/17/2020) | 0.71 (6/29/2016) | (0.1 - 0.71)/(32 - 14) | -0.0338889 |
| ND<0.1 U (3/18/2021) | 0.71 (6/29/2016) | (0.1 - 0.71)/(33 - 14) | -0.0321053 |
| 0.157 (5/5/2021) | 0.71 (6/29/2016) | (0.157 - 0.71)/(34 - 14) | -0.02765 |
| 0.262 (9/2/2021) | 0.71 (6/29/2016) | (0.262 - 0.71)/(35 - 14) | -0.0213333 |
| 0.253 (11/23/2021) | 0.71 (6/29/2016) | (0.253 - 0.71)/(36 - 14) | -0.0207727 |
| 0.184 (1/10/2022) | 0.71 (6/29/2016) | (0.184 - 0.71)/(37 - 14) | -0.0228696 |
| 0.121 (4/7/2022) | 0.71 (6/29/2016) | (0.121 - 0.71)/(38 - 14) | -0.0245417 |
| 0.323 (8/3/2022) | 0.71 (6/29/2016) | (0.323 - 0.71)/(39 - 14) | -0.01548 |
| 0.42 (11/16/2022) | 0.71 (6/29/2016) | (0.42 - 0.71)/(40 - 14) | -0.0111538 |
| ND<0.1 U (2/13/2023) | 0.71 (6/29/2016) | (0.1 - 0.71)/(41 - 14) | -0.0225926 |
| 0.182 (5/24/2023) | 0.71 (6/29/2016) | (0.182 - 0.71)/(42 - 14) | -0.0188571 |
| 0.43 (8/7/2023) | 0.71 (6/29/2016) | (0.43 - 0.71)/(43 - 14) | -0.00965517 |
| 0.782 (12/12/2023) | 0.71 (6/29/2016) | (0.782 - 0.71)/(44 - 14) | 0.0024 |
| 0.498 (1/10/2024) | 0.71 (6/29/2016) | (0.498 - 0.71)/(45 - 14) | -0.00683871 |
| 0.192 (5/20/2024) | 0.71 (6/29/2016) | (0.192 - 0.71)/(46 - 14) | -0.0161875 |
| 0.74 (9/16/2024) | 0.71 (6/29/2016) | (0.74 - 0.71)/(47 - 14) | 0.000909091 |
| 0.549 (12/11/2024) | 0.71 (6/29/2016) | (0.549 - 0.71)/(48 - 14) | -0.00473529 |
| 0.233 (2/18/2025) | 0.71 (6/29/2016) | (0.233 - 0.71)/(49 - 14) | -0.0136286 |

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|---|---|---|---|
| 0.47 (12/7/2016) | 0.5 (8/9/2016) | (0.47 - 0.5)/(16 - 15) | -0.03 |
| 0.37 (3/2/2017) | 0.5 (8/9/2016) | (0.37 - 0.5)/(17 - 15) | -0.065 |
| 0.37 (6/21/2017) | 0.5 (8/9/2016) | (0.37 - 0.5)/(18 - 15) | -0.0433333 |
| 0.28 (8/17/2017) | 0.5 (8/9/2016) | (0.28 - 0.5)/(19 - 15) | -0.055 |
| 0.25 (10/26/2017) | 0.5 (8/9/2016) | (0.25 - 0.5)/(20 - 15) | -0.05 |
| 0.148 (3/27/2018) | 0.5 (8/9/2016) | (0.148 - 0.5)/(21 - 15) | -0.0586667 |
| 0.246 (6/26/2018) | 0.5 (8/9/2016) | (0.246 - 0.5)/(22 - 15) | -0.0362857 |
| 0.401 (8/1/2018) | 0.5 (8/9/2016) | (0.401 - 0.5)/(23 - 15) | -0.012375 |
| 0.204 (12/11/2018) | 0.5 (8/9/2016) | (0.204 - 0.5)/(24 - 15) | -0.0328889 |

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|---|---|---|---|
| ND<0.1 U (4/17/2019) | 0.5 (8/9/2016) | (0.1 - 0.5)/(25 - 15) | -0.04 |
| 0.29 (6/11/2019) | 0.5 (8/9/2016) | (0.29 - 0.5)/(26 - 15) | -0.0190909 |
| 0.485 (8/28/2019) | 0.5 (8/9/2016) | (0.485 - 0.5)/(27 - 15) | -0.00125 |
| 0.499 (10/28/2019) | 0.5 (8/9/2016) | (0.499 - 0.5)/(28 - 15) | -7.69231e-05 |
| 0.102 (3/31/2020) | 0.5 (8/9/2016) | (0.102 - 0.5)/(29 - 15) | -0.0284286 |
| 0.243 (6/10/2020) | 0.5 (8/9/2016) | (0.243 - 0.5)/(30 - 15) | -0.0171333 |
| 0.243 (6/10/2020) | 0.5 (8/9/2016) | (0.243 - 0.5)/(30 - 15) | -0.0171333 |
| 0.399 (9/21/2020) | 0.5 (8/9/2016) | (0.399 - 0.5)/(31 - 15) | -0.0063125 |
| ND<0.1 U (12/17/2020) | 0.5 (8/9/2016) | (0.1 - 0.5)/(32 - 15) | -0.0235294 |
| ND<0.1 U (3/18/2021) | 0.5 (8/9/2016) | (0.1 - 0.5)/(33 - 15) | -0.0222222 |
| 0.157 (5/5/2021) | 0.5 (8/9/2016) | (0.157 - 0.5)/(34 - 15) | -0.0180526 |
| 0.262 (9/2/2021) | 0.5 (8/9/2016) | (0.262 - 0.5)/(35 - 15) | -0.0119 |
| 0.253 (11/23/2021) | 0.5 (8/9/2016) | (0.253 - 0.5)/(36 - 15) | -0.0117619 |
| 0.184 (1/10/2022) | 0.5 (8/9/2016) | (0.184 - 0.5)/(37 - 15) | -0.0143636 |
| 0.121 (4/7/2022) | 0.5 (8/9/2016) | (0.121 - 0.5)/(38 - 15) | -0.0164783 |
| 0.323 (8/3/2022) | 0.5 (8/9/2016) | (0.323 - 0.5)/(39 - 15) | -0.007375 |
| 0.42 (11/16/2022) | 0.5 (8/9/2016) | (0.42 - 0.5)/(40 - 15) | -0.0032 |
| ND<0.1 U (2/13/2023) | 0.5 (8/9/2016) | (0.1 - 0.5)/(41 - 15) | -0.0153846 |
| 0.182 (5/24/2023) | 0.5 (8/9/2016) | (0.182 - 0.5)/(42 - 15) | -0.0117778 |
| 0.43 (8/7/2023) | 0.5 (8/9/2016) | (0.43 - 0.5)/(43 - 15) | -0.0025 |
| 0.782 (12/12/2023) | 0.5 (8/9/2016) | (0.782 - 0.5)/(44 - 15) | 0.00972414 |
| 0.498 (1/10/2024) | 0.5 (8/9/2016) | (0.498 - 0.5)/(45 - 15) | -6.66667e-05 |
| 0.192 (5/20/2024) | 0.5 (8/9/2016) | (0.192 - 0.5)/(46 - 15) | -0.00993548 |
| 0.74 (9/16/2024) | 0.5 (8/9/2016) | (0.74 - 0.5)/(47 - 15) | 0.0075 |
| 0.549 (12/11/2024) | 0.5 (8/9/2016) | (0.549 - 0.5)/(48 - 15) | 0.00148485 |
| 0.233 (2/18/2025) | 0.5 (8/9/2016) | (0.233 - 0.5)/(49 - 15) | -0.00785294 |
| | | | |
| 0.37 (3/2/2017) | 0.47 (12/7/2016) | (0.37 - 0.47)/(17 - 16) | -0.1 |
| 0.37 (6/21/2017) | 0.47 (12/7/2016) | (0.37 - 0.47)/(18 - 16) | -0.05 |
| 0.28 (8/17/2017) | 0.47 (12/7/2016) | (0.28 - 0.47)/(19 - 16) | -0.0633333 |
| 0.25 (10/26/2017) | 0.47 (12/7/2016) | (0.25 - 0.47)/(20 - 16) | -0.055 |
| 0.148 (3/27/2018) | 0.47 (12/7/2016) | (0.148 - 0.47)/(21 - 16) | -0.0644 |
| 0.246 (6/26/2018) | 0.47 (12/7/2016) | (0.246 - 0.47)/(22 - 16) | -0.0373333 |
| 0.401 (8/1/2018) | 0.47 (12/7/2016) | (0.401 - 0.47)/(23 - 16) | -0.00985714 |
| 0.204 (12/11/2018) | 0.47 (12/7/2016) | (0.204 - 0.47)/(24 - 16) | -0.03325 |
| ND<0.1 U (4/17/2019) | 0.47 (12/7/2016) | (0.1 - 0.47)/(25 - 16) | -0.0411111 |
| 0.29 (6/11/2019) | 0.47 (12/7/2016) | (0.29 - 0.47)/(26 - 16) | -0.018 |
| 0.485 (8/28/2019) | 0.47 (12/7/2016) | (0.485 - 0.47)/(27 - 16) | 0.00136364 |
| 0.499 (10/28/2019) | 0.47 (12/7/2016) | (0.499 - 0.47)/(28 - 16) | 0.00241667 |
| 0.102 (3/31/2020) | 0.47 (12/7/2016) | (0.102 - 0.47)/(29 - 16) | -0.0283077 |
| 0.243 (6/10/2020) | 0.47 (12/7/2016) | (0.243 - 0.47)/(30 - 16) | -0.0162143 |
| 0.243 (6/10/2020) | 0.47 (12/7/2016) | (0.243 - 0.47)/(30 - 16) | -0.0162143 |
| 0.399 (9/21/2020) | 0.47 (12/7/2016) | (0.399 - 0.47)/(31 - 16) | -0.00473333 |
| ND<0.1 U (12/17/2020) | 0.47 (12/7/2016) | (0.1 - 0.47)/(32 - 16) | -0.023125 |
| ND<0.1 U (3/18/2021) | 0.47 (12/7/2016) | (0.1 - 0.47)/(33 - 16) | -0.0217647 |
| 0.157 (5/5/2021) | 0.47 (12/7/2016) | (0.157 - 0.47)/(34 - 16) | -0.0173889 |
| 0.262 (9/2/2021) | 0.47 (12/7/2016) | (0.262 - 0.47)/(35 - 16) | -0.0109474 |
| 0.253 (11/23/2021) | 0.47 (12/7/2016) | (0.253 - 0.47)/(36 - 16) | -0.01085 |
| 0.184 (1/10/2022) | 0.47 (12/7/2016) | (0.184 - 0.47)/(37 - 16) | -0.013619 |
| 0.121 (4/7/2022) | 0.47 (12/7/2016) | (0.121 - 0.47)/(38 - 16) | -0.0158636 |
| 0.323 (8/3/2022) | 0.47 (12/7/2016) | (0.323 - 0.47)/(39 - 16) | -0.0063913 |
| 0.42 (11/16/2022) | 0.47 (12/7/2016) | (0.42 - 0.47)/(40 - 16) | -0.00208333 |
| ND<0.1 U (2/13/2023) | 0.47 (12/7/2016) | (0.1 - 0.47)/(41 - 16) | -0.0148 |
| 0.182 (5/24/2023) | 0.47 (12/7/2016) | (0.182 - 0.47)/(42 - 16) | -0.0110769 |
| 0.43 (8/7/2023) | 0.47 (12/7/2016) | (0.43 - 0.47)/(43 - 16) | -0.00148148 |
| 0.782 (12/12/2023) | 0.47 (12/7/2016) | (0.782 - 0.47)/(44 - 16) | 0.0111429 |
| 0.498 (1/10/2024) | 0.47 (12/7/2016) | (0.498 - 0.47)/(45 - 16) | 0.000965517 |

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|---|---|---|---|
| 0.192 (5/20/2024) | 0.47 (12/7/2016) | (0.192 - 0.47)/(46 - 16) | -0.00926667 |
| 0.74 (9/16/2024) | 0.47 (12/7/2016) | (0.74 - 0.47)/(47 - 16) | 0.00870968 |
| 0.549 (12/11/2024) | 0.47 (12/7/2016) | (0.549 - 0.47)/(48 - 16) | 0.00246875 |
| 0.233 (2/18/2025) | 0.47 (12/7/2016) | (0.233 - 0.47)/(49 - 16) | -0.00718182 |
| | | | |
| 0.37 (6/21/2017) | 0.37 (3/2/2017) | (0.37 - 0.37)/(18 - 17) | 0 |
| 0.28 (8/17/2017) | 0.37 (3/2/2017) | (0.28 - 0.37)/(19 - 17) | -0.045 |
| 0.25 (10/26/2017) | 0.37 (3/2/2017) | (0.25 - 0.37)/(20 - 17) | -0.04 |
| 0.148 (3/27/2018) | 0.37 (3/2/2017) | (0.148 - 0.37)/(21 - 17) | -0.0555 |
| 0.246 (6/26/2018) | 0.37 (3/2/2017) | (0.246 - 0.37)/(22 - 17) | -0.0248 |
| 0.401 (8/1/2018) | 0.37 (3/2/2017) | (0.401 - 0.37)/(23 - 17) | 0.00516667 |
| 0.204 (12/11/2018) | 0.37 (3/2/2017) | (0.204 - 0.37)/(24 - 17) | -0.0237143 |
| ND<0.1 U (4/17/2019) | 0.37 (3/2/2017) | (0.1 - 0.37)/(25 - 17) | -0.03375 |
| 0.29 (6/11/2019) | 0.37 (3/2/2017) | (0.29 - 0.37)/(26 - 17) | -0.00888889 |
| 0.485 (8/28/2019) | 0.37 (3/2/2017) | (0.485 - 0.37)/(27 - 17) | 0.0115 |
| 0.499 (10/28/2019) | 0.37 (3/2/2017) | (0.499 - 0.37)/(28 - 17) | 0.0117273 |
| 0.102 (3/31/2020) | 0.37 (3/2/2017) | (0.102 - 0.37)/(29 - 17) | -0.0223333 |
| 0.243 (6/10/2020) | 0.37 (3/2/2017) | (0.243 - 0.37)/(30 - 17) | -0.00976923 |
| 0.243 (6/10/2020) | 0.37 (3/2/2017) | (0.243 - 0.37)/(30 - 17) | -0.00976923 |
| 0.399 (9/21/2020) | 0.37 (3/2/2017) | (0.399 - 0.37)/(31 - 17) | 0.00207143 |
| ND<0.1 U (12/17/2020) | 0.37 (3/2/2017) | (0.1 - 0.37)/(32 - 17) | -0.018 |
| ND<0.1 U (3/18/2021) | 0.37 (3/2/2017) | (0.1 - 0.37)/(33 - 17) | -0.016875 |
| 0.157 (5/5/2021) | 0.37 (3/2/2017) | (0.157 - 0.37)/(34 - 17) | -0.0125294 |
| 0.262 (9/2/2021) | 0.37 (3/2/2017) | (0.262 - 0.37)/(35 - 17) | -0.006 |
| 0.253 (11/23/2021) | 0.37 (3/2/2017) | (0.253 - 0.37)/(36 - 17) | -0.00615789 |
| 0.184 (1/10/2022) | 0.37 (3/2/2017) | (0.184 - 0.37)/(37 - 17) | -0.0093 |
| 0.121 (4/7/2022) | 0.37 (3/2/2017) | (0.121 - 0.37)/(38 - 17) | -0.0118571 |
| 0.323 (8/3/2022) | 0.37 (3/2/2017) | (0.323 - 0.37)/(39 - 17) | -0.00213636 |
| 0.42 (11/16/2022) | 0.37 (3/2/2017) | (0.42 - 0.37)/(40 - 17) | 0.00217391 |
| ND<0.1 U (2/13/2023) | 0.37 (3/2/2017) | (0.1 - 0.37)/(41 - 17) | -0.01125 |
| 0.182 (5/24/2023) | 0.37 (3/2/2017) | (0.182 - 0.37)/(42 - 17) | -0.00752 |
| 0.43 (8/7/2023) | 0.37 (3/2/2017) | (0.43 - 0.37)/(43 - 17) | 0.00230769 |
| 0.782 (12/12/2023) | 0.37 (3/2/2017) | (0.782 - 0.37)/(44 - 17) | 0.0152593 |
| 0.498 (1/10/2024) | 0.37 (3/2/2017) | (0.498 - 0.37)/(45 - 17) | 0.00457143 |
| 0.192 (5/20/2024) | 0.37 (3/2/2017) | (0.192 - 0.37)/(46 - 17) | -0.00613793 |
| 0.74 (9/16/2024) | 0.37 (3/2/2017) | (0.74 - 0.37)/(47 - 17) | 0.0123333 |
| 0.549 (12/11/2024) | 0.37 (3/2/2017) | (0.549 - 0.37)/(48 - 17) | 0.00577419 |
| 0.233 (2/18/2025) | 0.37 (3/2/2017) | (0.233 - 0.37)/(49 - 17) | -0.00428125 |
| | | | |
| 0.28 (8/17/2017) | 0.37 (6/21/2017) | (0.28 - 0.37)/(19 - 18) | -0.09 |
| 0.25 (10/26/2017) | 0.37 (6/21/2017) | (0.25 - 0.37)/(20 - 18) | -0.06 |
| 0.148 (3/27/2018) | 0.37 (6/21/2017) | (0.148 - 0.37)/(21 - 18) | -0.074 |
| 0.246 (6/26/2018) | 0.37 (6/21/2017) | (0.246 - 0.37)/(22 - 18) | -0.031 |
| 0.401 (8/1/2018) | 0.37 (6/21/2017) | (0.401 - 0.37)/(23 - 18) | 0.0062 |
| 0.204 (12/11/2018) | 0.37 (6/21/2017) | (0.204 - 0.37)/(24 - 18) | -0.0276667 |
| ND<0.1 U (4/17/2019) | 0.37 (6/21/2017) | (0.1 - 0.37)/(25 - 18) | -0.0385714 |
| 0.29 (6/11/2019) | 0.37 (6/21/2017) | (0.29 - 0.37)/(26 - 18) | -0.01 |
| 0.485 (8/28/2019) | 0.37 (6/21/2017) | (0.485 - 0.37)/(27 - 18) | 0.0127778 |
| 0.499 (10/28/2019) | 0.37 (6/21/2017) | (0.499 - 0.37)/(28 - 18) | 0.0129 |
| 0.102 (3/31/2020) | 0.37 (6/21/2017) | (0.102 - 0.37)/(29 - 18) | -0.0243636 |
| 0.243 (6/10/2020) | 0.37 (6/21/2017) | (0.243 - 0.37)/(30 - 18) | -0.0105833 |
| 0.243 (6/10/2020) | 0.37 (6/21/2017) | (0.243 - 0.37)/(30 - 18) | -0.0105833 |
| 0.399 (9/21/2020) | 0.37 (6/21/2017) | (0.399 - 0.37)/(31 - 18) | 0.00223077 |
| ND<0.1 U (12/17/2020) | 0.37 (6/21/2017) | (0.1 - 0.37)/(32 - 18) | -0.0192857 |
| ND<0.1 U (3/18/2021) | 0.37 (6/21/2017) | (0.1 - 0.37)/(33 - 18) | -0.018 |
| 0.157 (5/5/2021) | 0.37 (6/21/2017) | (0.157 - 0.37)/(34 - 18) | -0.0133125 |
| 0.262 (9/2/2021) | 0.37 (6/21/2017) | (0.262 - 0.37)/(35 - 18) | -0.00635294 |

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|---|---|---|---|
| 0.253 (11/23/2021) | 0.37 (6/21/2017) | (0.253 - 0.37)/(36 - 18) | -0.0065 |
| 0.184 (1/10/2022) | 0.37 (6/21/2017) | (0.184 - 0.37)/(37 - 18) | -0.00978947 |
| 0.121 (4/7/2022) | 0.37 (6/21/2017) | (0.121 - 0.37)/(38 - 18) | -0.01245 |
| 0.323 (8/3/2022) | 0.37 (6/21/2017) | (0.323 - 0.37)/(39 - 18) | -0.0022381 |
| 0.42 (11/16/2022) | 0.37 (6/21/2017) | (0.42 - 0.37)/(40 - 18) | 0.00227273 |
| ND<0.1 U (2/13/2023) | 0.37 (6/21/2017) | (0.1 - 0.37)/(41 - 18) | -0.0117391 |
| 0.182 (5/24/2023) | 0.37 (6/21/2017) | (0.182 - 0.37)/(42 - 18) | -0.00783333 |
| 0.43 (8/7/2023) | 0.37 (6/21/2017) | (0.43 - 0.37)/(43 - 18) | 0.0024 |
| 0.782 (12/12/2023) | 0.37 (6/21/2017) | (0.782 - 0.37)/(44 - 18) | 0.0158462 |
| 0.498 (1/10/2024) | 0.37 (6/21/2017) | (0.498 - 0.37)/(45 - 18) | 0.00474074 |
| 0.192 (5/20/2024) | 0.37 (6/21/2017) | (0.192 - 0.37)/(46 - 18) | -0.00635714 |
| 0.74 (9/16/2024) | 0.37 (6/21/2017) | (0.74 - 0.37)/(47 - 18) | 0.0127586 |
| 0.549 (12/11/2024) | 0.37 (6/21/2017) | (0.549 - 0.37)/(48 - 18) | 0.00596667 |
| 0.233 (2/18/2025) | 0.37 (6/21/2017) | (0.233 - 0.37)/(49 - 18) | -0.00441935 |
| | | | |
| 0.25 (10/26/2017) | 0.28 (8/17/2017) | (0.25 - 0.28)/(20 - 19) | -0.03 |
| 0.148 (3/27/2018) | 0.28 (8/17/2017) | (0.148 - 0.28)/(21 - 19) | -0.066 |
| 0.246 (6/26/2018) | 0.28 (8/17/2017) | (0.246 - 0.28)/(22 - 19) | -0.0113333 |
| 0.401 (8/1/2018) | 0.28 (8/17/2017) | (0.401 - 0.28)/(23 - 19) | 0.03025 |
| 0.204 (12/11/2018) | 0.28 (8/17/2017) | (0.204 - 0.28)/(24 - 19) | -0.0152 |
| ND<0.1 U (4/17/2019) | 0.28 (8/17/2017) | (0.1 - 0.28)/(25 - 19) | -0.03 |
| 0.29 (6/11/2019) | 0.28 (8/17/2017) | (0.29 - 0.28)/(26 - 19) | 0.00142857 |
| 0.485 (8/28/2019) | 0.28 (8/17/2017) | (0.485 - 0.28)/(27 - 19) | 0.025625 |
| 0.499 (10/28/2019) | 0.28 (8/17/2017) | (0.499 - 0.28)/(28 - 19) | 0.0243333 |
| 0.102 (3/31/2020) | 0.28 (8/17/2017) | (0.102 - 0.28)/(29 - 19) | -0.0178 |
| 0.243 (6/10/2020) | 0.28 (8/17/2017) | (0.243 - 0.28)/(30 - 19) | -0.00336364 |
| 0.243 (6/10/2020) | 0.28 (8/17/2017) | (0.243 - 0.28)/(30 - 19) | -0.00336364 |
| 0.399 (9/21/2020) | 0.28 (8/17/2017) | (0.399 - 0.28)/(31 - 19) | 0.00991667 |
| ND<0.1 U (12/17/2020) | 0.28 (8/17/2017) | (0.1 - 0.28)/(32 - 19) | -0.0138462 |
| ND<0.1 U (3/18/2021) | 0.28 (8/17/2017) | (0.1 - 0.28)/(33 - 19) | -0.0128571 |
| 0.157 (5/5/2021) | 0.28 (8/17/2017) | (0.157 - 0.28)/(34 - 19) | -0.0082 |
| 0.262 (9/2/2021) | 0.28 (8/17/2017) | (0.262 - 0.28)/(35 - 19) | -0.001125 |
| 0.253 (11/23/2021) | 0.28 (8/17/2017) | (0.253 - 0.28)/(36 - 19) | -0.00158824 |
| 0.184 (1/10/2022) | 0.28 (8/17/2017) | (0.184 - 0.28)/(37 - 19) | -0.00533333 |
| 0.121 (4/7/2022) | 0.28 (8/17/2017) | (0.121 - 0.28)/(38 - 19) | -0.00836842 |
| 0.323 (8/3/2022) | 0.28 (8/17/2017) | (0.323 - 0.28)/(39 - 19) | 0.00215 |
| 0.42 (11/16/2022) | 0.28 (8/17/2017) | (0.42 - 0.28)/(40 - 19) | 0.00666667 |
| ND<0.1 U (2/13/2023) | 0.28 (8/17/2017) | (0.1 - 0.28)/(41 - 19) | -0.00818182 |
| 0.182 (5/24/2023) | 0.28 (8/17/2017) | (0.182 - 0.28)/(42 - 19) | -0.00426087 |
| 0.43 (8/7/2023) | 0.28 (8/17/2017) | (0.43 - 0.28)/(43 - 19) | 0.00625 |
| 0.782 (12/12/2023) | 0.28 (8/17/2017) | (0.782 - 0.28)/(44 - 19) | 0.02008 |
| 0.498 (1/10/2024) | 0.28 (8/17/2017) | (0.498 - 0.28)/(45 - 19) | 0.00838462 |
| 0.192 (5/20/2024) | 0.28 (8/17/2017) | (0.192 - 0.28)/(46 - 19) | -0.00325926 |
| 0.74 (9/16/2024) | 0.28 (8/17/2017) | (0.74 - 0.28)/(47 - 19) | 0.0164286 |
| 0.549 (12/11/2024) | 0.28 (8/17/2017) | (0.549 - 0.28)/(48 - 19) | 0.00927586 |
| 0.233 (2/18/2025) | 0.28 (8/17/2017) | (0.233 - 0.28)/(49 - 19) | -0.00156667 |
| | | | |
| 0.148 (3/27/2018) | 0.25 (10/26/2017) | (0.148 - 0.25)/(21 - 20) | -0.102 |
| 0.246 (6/26/2018) | 0.25 (10/26/2017) | (0.246 - 0.25)/(22 - 20) | -0.002 |
| 0.401 (8/1/2018) | 0.25 (10/26/2017) | (0.401 - 0.25)/(23 - 20) | 0.0503333 |
| 0.204 (12/11/2018) | 0.25 (10/26/2017) | (0.204 - 0.25)/(24 - 20) | -0.0115 |
| ND<0.1 U (4/17/2019) | 0.25 (10/26/2017) | (0.1 - 0.25)/(25 - 20) | -0.03 |
| 0.29 (6/11/2019) | 0.25 (10/26/2017) | (0.29 - 0.25)/(26 - 20) | 0.00666667 |
| 0.485 (8/28/2019) | 0.25 (10/26/2017) | (0.485 - 0.25)/(27 - 20) | 0.0335714 |
| 0.499 (10/28/2019) | 0.25 (10/26/2017) | (0.499 - 0.25)/(28 - 20) | 0.031125 |
| 0.102 (3/31/2020) | 0.25 (10/26/2017) | (0.102 - 0.25)/(29 - 20) | -0.0164444 |
| 0.243 (6/10/2020) | 0.25 (10/26/2017) | (0.243 - 0.25)/(30 - 20) | -0.0007 |

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|---|---|---|---|
| 0.243 (6/10/2020) | 0.25 (10/26/2017) | (0.243 - 0.25)/(30 - 20) | -0.0007 |
| 0.399 (9/21/2020) | 0.25 (10/26/2017) | (0.399 - 0.25)/(31 - 20) | 0.0135455 |
| ND<0.1 U (12/17/2020) | 0.25 (10/26/2017) | (0.1 - 0.25)/(32 - 20) | -0.0125 |
| ND<0.1 U (3/18/2021) | 0.25 (10/26/2017) | (0.1 - 0.25)/(33 - 20) | -0.0115385 |
| 0.157 (5/5/2021) | 0.25 (10/26/2017) | (0.157 - 0.25)/(34 - 20) | -0.00664286 |
| 0.262 (9/2/2021) | 0.25 (10/26/2017) | (0.262 - 0.25)/(35 - 20) | 0.0008 |
| 0.253 (11/23/2021) | 0.25 (10/26/2017) | (0.253 - 0.25)/(36 - 20) | 0.0001875 |
| 0.184 (1/10/2022) | 0.25 (10/26/2017) | (0.184 - 0.25)/(37 - 20) | -0.00388235 |
| 0.121 (4/7/2022) | 0.25 (10/26/2017) | (0.121 - 0.25)/(38 - 20) | -0.00716667 |
| 0.323 (8/3/2022) | 0.25 (10/26/2017) | (0.323 - 0.25)/(39 - 20) | 0.00384211 |
| 0.42 (11/16/2022) | 0.25 (10/26/2017) | (0.42 - 0.25)/(40 - 20) | 0.0085 |
| ND<0.1 U (2/13/2023) | 0.25 (10/26/2017) | (0.1 - 0.25)/(41 - 20) | -0.00714286 |
| 0.182 (5/24/2023) | 0.25 (10/26/2017) | (0.182 - 0.25)/(42 - 20) | -0.00309091 |
| 0.43 (8/7/2023) | 0.25 (10/26/2017) | (0.43 - 0.25)/(43 - 20) | 0.00782609 |
| 0.782 (12/12/2023) | 0.25 (10/26/2017) | (0.782 - 0.25)/(44 - 20) | 0.0221667 |
| 0.498 (1/10/2024) | 0.25 (10/26/2017) | (0.498 - 0.25)/(45 - 20) | 0.00992 |
| 0.192 (5/20/2024) | 0.25 (10/26/2017) | (0.192 - 0.25)/(46 - 20) | -0.00223077 |
| 0.74 (9/16/2024) | 0.25 (10/26/2017) | (0.74 - 0.25)/(47 - 20) | 0.0181481 |
| 0.549 (12/11/2024) | 0.25 (10/26/2017) | (0.549 - 0.25)/(48 - 20) | 0.0106786 |
| 0.233 (2/18/2025) | 0.25 (10/26/2017) | (0.233 - 0.25)/(49 - 20) | -0.000586207 |
| | | | |
| 0.246 (6/26/2018) | 0.148 (3/27/2018) | (0.246 - 0.148)/(22 - 21) | 0.098 |
| 0.401 (8/1/2018) | 0.148 (3/27/2018) | (0.401 - 0.148)/(23 - 21) | 0.1265 |
| 0.204 (12/11/2018) | 0.148 (3/27/2018) | (0.204 - 0.148)/(24 - 21) | 0.0186667 |
| ND<0.1 U (4/17/2019) | 0.148 (3/27/2018) | (0.1 - 0.148)/(25 - 21) | -0.012 |
| 0.29 (6/11/2019) | 0.148 (3/27/2018) | (0.29 - 0.148)/(26 - 21) | 0.0284 |
| 0.485 (8/28/2019) | 0.148 (3/27/2018) | (0.485 - 0.148)/(27 - 21) | 0.0561667 |
| 0.499 (10/28/2019) | 0.148 (3/27/2018) | (0.499 - 0.148)/(28 - 21) | 0.0501429 |
| 0.102 (3/31/2020) | 0.148 (3/27/2018) | (0.102 - 0.148)/(29 - 21) | -0.00575 |
| 0.243 (6/10/2020) | 0.148 (3/27/2018) | (0.243 - 0.148)/(30 - 21) | 0.0105556 |
| 0.243 (6/10/2020) | 0.148 (3/27/2018) | (0.243 - 0.148)/(30 - 21) | 0.0105556 |
| 0.399 (9/21/2020) | 0.148 (3/27/2018) | (0.399 - 0.148)/(31 - 21) | 0.0251 |
| ND<0.1 U (12/17/2020) | 0.148 (3/27/2018) | (0.1 - 0.148)/(32 - 21) | -0.00436364 |
| ND<0.1 U (3/18/2021) | 0.148 (3/27/2018) | (0.1 - 0.148)/(33 - 21) | -0.004 |
| 0.157 (5/5/2021) | 0.148 (3/27/2018) | (0.157 - 0.148)/(34 - 21) | 0.000692308 |
| 0.262 (9/2/2021) | 0.148 (3/27/2018) | (0.262 - 0.148)/(35 - 21) | 0.00814286 |
| 0.253 (11/23/2021) | 0.148 (3/27/2018) | (0.253 - 0.148)/(36 - 21) | 0.007 |
| 0.184 (1/10/2022) | 0.148 (3/27/2018) | (0.184 - 0.148)/(37 - 21) | 0.00225 |
| 0.121 (4/7/2022) | 0.148 (3/27/2018) | (0.121 - 0.148)/(38 - 21) | -0.00158824 |
| 0.323 (8/3/2022) | 0.148 (3/27/2018) | (0.323 - 0.148)/(39 - 21) | 0.00972222 |
| 0.42 (11/16/2022) | 0.148 (3/27/2018) | (0.42 - 0.148)/(40 - 21) | 0.0143158 |
| ND<0.1 U (2/13/2023) | 0.148 (3/27/2018) | (0.1 - 0.148)/(41 - 21) | -0.0024 |
| 0.182 (5/24/2023) | 0.148 (3/27/2018) | (0.182 - 0.148)/(42 - 21) | 0.00161905 |
| 0.43 (8/7/2023) | 0.148 (3/27/2018) | (0.43 - 0.148)/(43 - 21) | 0.0128182 |
| 0.782 (12/12/2023) | 0.148 (3/27/2018) | (0.782 - 0.148)/(44 - 21) | 0.0275652 |
| 0.498 (1/10/2024) | 0.148 (3/27/2018) | (0.498 - 0.148)/(45 - 21) | 0.0145833 |
| 0.192 (5/20/2024) | 0.148 (3/27/2018) | (0.192 - 0.148)/(46 - 21) | 0.00176 |
| 0.74 (9/16/2024) | 0.148 (3/27/2018) | (0.74 - 0.148)/(47 - 21) | 0.0227692 |
| 0.549 (12/11/2024) | 0.148 (3/27/2018) | (0.549 - 0.148)/(48 - 21) | 0.0148519 |
| 0.233 (2/18/2025) | 0.148 (3/27/2018) | (0.233 - 0.148)/(49 - 21) | 0.00303571 |
| | | | |
| 0.401 (8/1/2018) | 0.246 (6/26/2018) | (0.401 - 0.246)/(23 - 22) | 0.155 |
| 0.204 (12/11/2018) | 0.246 (6/26/2018) | (0.204 - 0.246)/(24 - 22) | -0.021 |
| ND<0.1 U (4/17/2019) | 0.246 (6/26/2018) | (0.1 - 0.246)/(25 - 22) | -0.0486667 |
| 0.29 (6/11/2019) | 0.246 (6/26/2018) | (0.29 - 0.246)/(26 - 22) | 0.011 |
| 0.485 (8/28/2019) | 0.246 (6/26/2018) | (0.485 - 0.246)/(27 - 22) | 0.0478 |
| 0.499 (10/28/2019) | 0.246 (6/26/2018) | (0.499 - 0.246)/(28 - 22) | 0.0421667 |

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|---|---|---|---|
| 0.102 (3/31/2020) | 0.246 (6/26/2018) | (0.102 - 0.246)/(29 - 22) | -0.0205714 |
| 0.243 (6/10/2020) | 0.246 (6/26/2018) | (0.243 - 0.246)/(30 - 22) | -0.000375 |
| 0.243 (6/10/2020) | 0.246 (6/26/2018) | (0.243 - 0.246)/(30 - 22) | -0.000375 |
| 0.399 (9/21/2020) | 0.246 (6/26/2018) | (0.399 - 0.246)/(31 - 22) | 0.017 |
| ND<0.1 U (12/17/2020) | 0.246 (6/26/2018) | (0.1 - 0.246)/(32 - 22) | -0.0146 |
| ND<0.1 U (3/18/2021) | 0.246 (6/26/2018) | (0.1 - 0.246)/(33 - 22) | -0.0132727 |
| 0.157 (5/5/2021) | 0.246 (6/26/2018) | (0.157 - 0.246)/(34 - 22) | -0.00741667 |
| 0.262 (9/2/2021) | 0.246 (6/26/2018) | (0.262 - 0.246)/(35 - 22) | 0.00123077 |
| 0.253 (11/23/2021) | 0.246 (6/26/2018) | (0.253 - 0.246)/(36 - 22) | 0.0005 |
| 0.184 (1/10/2022) | 0.246 (6/26/2018) | (0.184 - 0.246)/(37 - 22) | -0.00413333 |
| 0.121 (4/7/2022) | 0.246 (6/26/2018) | (0.121 - 0.246)/(38 - 22) | -0.0078125 |
| 0.323 (8/3/2022) | 0.246 (6/26/2018) | (0.323 - 0.246)/(39 - 22) | 0.00452941 |
| 0.42 (11/16/2022) | 0.246 (6/26/2018) | (0.42 - 0.246)/(40 - 22) | 0.00966667 |
| ND<0.1 U (2/13/2023) | 0.246 (6/26/2018) | (0.1 - 0.246)/(41 - 22) | -0.00768421 |
| 0.182 (5/24/2023) | 0.246 (6/26/2018) | (0.182 - 0.246)/(42 - 22) | -0.0032 |
| 0.43 (8/7/2023) | 0.246 (6/26/2018) | (0.43 - 0.246)/(43 - 22) | 0.0087619 |
| 0.782 (12/12/2023) | 0.246 (6/26/2018) | (0.782 - 0.246)/(44 - 22) | 0.0243636 |
| 0.498 (1/10/2024) | 0.246 (6/26/2018) | (0.498 - 0.246)/(45 - 22) | 0.0109565 |
| 0.192 (5/20/2024) | 0.246 (6/26/2018) | (0.192 - 0.246)/(46 - 22) | -0.00225 |
| 0.74 (9/16/2024) | 0.246 (6/26/2018) | (0.74 - 0.246)/(47 - 22) | 0.01976 |
| 0.549 (12/11/2024) | 0.246 (6/26/2018) | (0.549 - 0.246)/(48 - 22) | 0.0116538 |
| 0.233 (2/18/2025) | 0.246 (6/26/2018) | (0.233 - 0.246)/(49 - 22) | -0.000481481 |
| | | | |
| 0.204 (12/11/2018) | 0.401 (8/1/2018) | (0.204 - 0.401)/(24 - 23) | -0.197 |
| ND<0.1 U (4/17/2019) | 0.401 (8/1/2018) | (0.1 - 0.401)/(25 - 23) | -0.1505 |
| 0.29 (6/11/2019) | 0.401 (8/1/2018) | (0.29 - 0.401)/(26 - 23) | -0.037 |
| 0.485 (8/28/2019) | 0.401 (8/1/2018) | (0.485 - 0.401)/(27 - 23) | 0.021 |
| 0.499 (10/28/2019) | 0.401 (8/1/2018) | (0.499 - 0.401)/(28 - 23) | 0.0196 |
| 0.102 (3/31/2020) | 0.401 (8/1/2018) | (0.102 - 0.401)/(29 - 23) | -0.0498333 |
| 0.243 (6/10/2020) | 0.401 (8/1/2018) | (0.243 - 0.401)/(30 - 23) | -0.0225714 |
| 0.243 (6/10/2020) | 0.401 (8/1/2018) | (0.243 - 0.401)/(30 - 23) | -0.0225714 |
| 0.399 (9/21/2020) | 0.401 (8/1/2018) | (0.399 - 0.401)/(31 - 23) | -0.00025 |
| ND<0.1 U (12/17/2020) | 0.401 (8/1/2018) | (0.1 - 0.401)/(32 - 23) | -0.0334444 |
| ND<0.1 U (3/18/2021) | 0.401 (8/1/2018) | (0.1 - 0.401)/(33 - 23) | -0.0301 |
| 0.157 (5/5/2021) | 0.401 (8/1/2018) | (0.157 - 0.401)/(34 - 23) | -0.0221818 |
| 0.262 (9/2/2021) | 0.401 (8/1/2018) | (0.262 - 0.401)/(35 - 23) | -0.0115833 |
| 0.253 (11/23/2021) | 0.401 (8/1/2018) | (0.253 - 0.401)/(36 - 23) | -0.0113846 |
| 0.184 (1/10/2022) | 0.401 (8/1/2018) | (0.184 - 0.401)/(37 - 23) | -0.0155 |
| 0.121 (4/7/2022) | 0.401 (8/1/2018) | (0.121 - 0.401)/(38 - 23) | -0.0186667 |
| 0.323 (8/3/2022) | 0.401 (8/1/2018) | (0.323 - 0.401)/(39 - 23) | -0.004875 |
| 0.42 (11/16/2022) | 0.401 (8/1/2018) | (0.42 - 0.401)/(40 - 23) | 0.00111765 |
| ND<0.1 U (2/13/2023) | 0.401 (8/1/2018) | (0.1 - 0.401)/(41 - 23) | -0.0167222 |
| 0.182 (5/24/2023) | 0.401 (8/1/2018) | (0.182 - 0.401)/(42 - 23) | -0.0115263 |
| 0.43 (8/7/2023) | 0.401 (8/1/2018) | (0.43 - 0.401)/(43 - 23) | 0.00145 |
| 0.782 (12/12/2023) | 0.401 (8/1/2018) | (0.782 - 0.401)/(44 - 23) | 0.0181429 |
| 0.498 (1/10/2024) | 0.401 (8/1/2018) | (0.498 - 0.401)/(45 - 23) | 0.00440909 |
| 0.192 (5/20/2024) | 0.401 (8/1/2018) | (0.192 - 0.401)/(46 - 23) | -0.00908696 |
| 0.74 (9/16/2024) | 0.401 (8/1/2018) | (0.74 - 0.401)/(47 - 23) | 0.014125 |
| 0.549 (12/11/2024) | 0.401 (8/1/2018) | (0.549 - 0.401)/(48 - 23) | 0.00592 |
| 0.233 (2/18/2025) | 0.401 (8/1/2018) | (0.233 - 0.401)/(49 - 23) | -0.00646154 |
| | | | |
| ND<0.1 U (4/17/2019) | 0.204 (12/11/2018) | (0.1 - 0.204)/(25 - 24) | -0.104 |
| 0.29 (6/11/2019) | 0.204 (12/11/2018) | (0.29 - 0.204)/(26 - 24) | 0.043 |
| 0.485 (8/28/2019) | 0.204 (12/11/2018) | (0.485 - 0.204)/(27 - 24) | 0.0936667 |
| 0.499 (10/28/2019) | 0.204 (12/11/2018) | (0.499 - 0.204)/(28 - 24) | 0.07375 |
| 0.102 (3/31/2020) | 0.204 (12/11/2018) | (0.102 - 0.204)/(29 - 24) | -0.0204 |
| 0.243 (6/10/2020) | 0.204 (12/11/2018) | (0.243 - 0.204)/(30 - 24) | 0.0065 |

| | | | |
|---|---|---|---|
| 0.243 (6/10/2020) | 0.204 (12/11/2018) | (0.243 - 0.204)/(30 - 24) | 0.0065 |
| 0.399 (9/21/2020) | 0.204 (12/11/2018) | (0.399 - 0.204)/(31 - 24) | 0.0278571 |
| ND<0.1 U (12/17/2020) | 0.204 (12/11/2018) | (0.1 - 0.204)/(32 - 24) | -0.013 |
| ND<0.1 U (3/18/2021) | 0.204 (12/11/2018) | (0.1 - 0.204)/(33 - 24) | -0.0115556 |
| 0.157 (5/5/2021) | 0.204 (12/11/2018) | (0.157 - 0.204)/(34 - 24) | -0.0047 |
| 0.262 (9/2/2021) | 0.204 (12/11/2018) | (0.262 - 0.204)/(35 - 24) | 0.00527273 |
| 0.253 (11/23/2021) | 0.204 (12/11/2018) | (0.253 - 0.204)/(36 - 24) | 0.00408333 |
| 0.184 (1/10/2022) | 0.204 (12/11/2018) | (0.184 - 0.204)/(37 - 24) | -0.00153846 |
| 0.121 (4/7/2022) | 0.204 (12/11/2018) | (0.121 - 0.204)/(38 - 24) | -0.00592857 |
| 0.323 (8/3/2022) | 0.204 (12/11/2018) | (0.323 - 0.204)/(39 - 24) | 0.00793333 |
| 0.42 (11/16/2022) | 0.204 (12/11/2018) | (0.42 - 0.204)/(40 - 24) | 0.0135 |
| ND<0.1 U (2/13/2023) | 0.204 (12/11/2018) | (0.1 - 0.204)/(41 - 24) | -0.00611765 |
| 0.182 (5/24/2023) | 0.204 (12/11/2018) | (0.182 - 0.204)/(42 - 24) | -0.00122222 |
| 0.43 (8/7/2023) | 0.204 (12/11/2018) | (0.43 - 0.204)/(43 - 24) | 0.0118947 |
| 0.782 (12/12/2023) | 0.204 (12/11/2018) | (0.782 - 0.204)/(44 - 24) | 0.0289 |
| 0.498 (1/10/2024) | 0.204 (12/11/2018) | (0.498 - 0.204)/(45 - 24) | 0.014 |
| 0.192 (5/20/2024) | 0.204 (12/11/2018) | (0.192 - 0.204)/(46 - 24) | -0.000545455 |
| 0.74 (9/16/2024) | 0.204 (12/11/2018) | (0.74 - 0.204)/(47 - 24) | 0.0233043 |
| 0.549 (12/11/2024) | 0.204 (12/11/2018) | (0.549 - 0.204)/(48 - 24) | 0.014375 |
| 0.233 (2/18/2025) | 0.204 (12/11/2018) | (0.233 - 0.204)/(49 - 24) | 0.00116 |
| | | | |
| 0.29 (6/11/2019) | ND<0.1 U (4/17/2019) | (0.29 - 0.1)/(26 - 25) | 0.19 |
| 0.485 (8/28/2019) | ND<0.1 U (4/17/2019) | (0.485 - 0.1)/(27 - 25) | 0.1925 |
| 0.499 (10/28/2019) | ND<0.1 U (4/17/2019) | (0.499 - 0.1)/(28 - 25) | 0.133 |
| 0.102 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.102 - 0.1)/(29 - 25) | 0.0005 |
| 0.243 (6/10/2020) | ND<0.1 U (4/17/2019) | (0.243 - 0.1)/(30 - 25) | 0.0286 |
| 0.243 (6/10/2020) | ND<0.1 U (4/17/2019) | (0.243 - 0.1)/(30 - 25) | 0.0286 |
| 0.399 (9/21/2020) | ND<0.1 U (4/17/2019) | (0.399 - 0.1)/(31 - 25) | 0.0498333 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| 0.157 (5/5/2021) | ND<0.1 U (4/17/2019) | (0.157 - 0.1)/(34 - 25) | 0.00633333 |
| 0.262 (9/2/2021) | ND<0.1 U (4/17/2019) | (0.262 - 0.1)/(35 - 25) | 0.0162 |
| 0.253 (11/23/2021) | ND<0.1 U (4/17/2019) | (0.253 - 0.1)/(36 - 25) | 0.0139091 |
| 0.184 (1/10/2022) | ND<0.1 U (4/17/2019) | (0.184 - 0.1)/(37 - 25) | 0.007 |
| 0.121 (4/7/2022) | ND<0.1 U (4/17/2019) | (0.121 - 0.1)/(38 - 25) | 0.00161538 |
| 0.323 (8/3/2022) | ND<0.1 U (4/17/2019) | (0.323 - 0.1)/(39 - 25) | 0.0159286 |
| 0.42 (11/16/2022) | ND<0.1 U (4/17/2019) | (0.42 - 0.1)/(40 - 25) | 0.0213333 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.182 (5/24/2023) | ND<0.1 U (4/17/2019) | (0.182 - 0.1)/(42 - 25) | 0.00482353 |
| 0.43 (8/7/2023) | ND<0.1 U (4/17/2019) | (0.43 - 0.1)/(43 - 25) | 0.0183333 |
| 0.782 (12/12/2023) | ND<0.1 U (4/17/2019) | (0.782 - 0.1)/(44 - 25) | 0.0358947 |
| 0.498 (1/10/2024) | ND<0.1 U (4/17/2019) | (0.498 - 0.1)/(45 - 25) | 0.0199 |
| 0.192 (5/20/2024) | ND<0.1 U (4/17/2019) | (0.192 - 0.1)/(46 - 25) | 0.00438095 |
| 0.74 (9/16/2024) | ND<0.1 U (4/17/2019) | (0.74 - 0.1)/(47 - 25) | 0.0290909 |
| 0.549 (12/11/2024) | ND<0.1 U (4/17/2019) | (0.549 - 0.1)/(48 - 25) | 0.0195217 |
| 0.233 (2/18/2025) | ND<0.1 U (4/17/2019) | (0.233 - 0.1)/(49 - 25) | 0.00554167 |
| | | | |
| 0.485 (8/28/2019) | 0.29 (6/11/2019) | (0.485 - 0.29)/(27 - 26) | 0.195 |
| 0.499 (10/28/2019) | 0.29 (6/11/2019) | (0.499 - 0.29)/(28 - 26) | 0.1045 |
| 0.102 (3/31/2020) | 0.29 (6/11/2019) | (0.102 - 0.29)/(29 - 26) | -0.0626667 |
| 0.243 (6/10/2020) | 0.29 (6/11/2019) | (0.243 - 0.29)/(30 - 26) | -0.01175 |
| 0.243 (6/10/2020) | 0.29 (6/11/2019) | (0.243 - 0.29)/(30 - 26) | -0.01175 |
| 0.399 (9/21/2020) | 0.29 (6/11/2019) | (0.399 - 0.29)/(31 - 26) | 0.0218 |
| ND<0.1 U (12/17/2020) | 0.29 (6/11/2019) | (0.1 - 0.29)/(32 - 26) | -0.0316667 |
| ND<0.1 U (3/18/2021) | 0.29 (6/11/2019) | (0.1 - 0.29)/(33 - 26) | -0.0271429 |
| 0.157 (5/5/2021) | 0.29 (6/11/2019) | (0.157 - 0.29)/(34 - 26) | -0.016625 |
| 0.262 (9/2/2021) | 0.29 (6/11/2019) | (0.262 - 0.29)/(35 - 26) | -0.00311111 |

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|---|---|---|---|
| 0.253 (11/23/2021) | 0.29 (6/11/2019) | (0.253 - 0.29)/(36 - 26) | -0.0037 |
| 0.184 (1/10/2022) | 0.29 (6/11/2019) | (0.184 - 0.29)/(37 - 26) | -0.00963636 |
| 0.121 (4/7/2022) | 0.29 (6/11/2019) | (0.121 - 0.29)/(38 - 26) | -0.0140833 |
| 0.323 (8/3/2022) | 0.29 (6/11/2019) | (0.323 - 0.29)/(39 - 26) | 0.00253846 |
| 0.42 (11/16/2022) | 0.29 (6/11/2019) | (0.42 - 0.29)/(40 - 26) | 0.00928571 |
| ND<0.1 U (2/13/2023) | 0.29 (6/11/2019) | (0.1 - 0.29)/(41 - 26) | -0.0126667 |
| 0.182 (5/24/2023) | 0.29 (6/11/2019) | (0.182 - 0.29)/(42 - 26) | -0.00675 |
| 0.43 (8/7/2023) | 0.29 (6/11/2019) | (0.43 - 0.29)/(43 - 26) | 0.00823529 |
| 0.782 (12/12/2023) | 0.29 (6/11/2019) | (0.782 - 0.29)/(44 - 26) | 0.0273333 |
| 0.498 (1/10/2024) | 0.29 (6/11/2019) | (0.498 - 0.29)/(45 - 26) | 0.0109474 |
| 0.192 (5/20/2024) | 0.29 (6/11/2019) | (0.192 - 0.29)/(46 - 26) | -0.0049 |
| 0.74 (9/16/2024) | 0.29 (6/11/2019) | (0.74 - 0.29)/(47 - 26) | 0.0214286 |
| 0.549 (12/11/2024) | 0.29 (6/11/2019) | (0.549 - 0.29)/(48 - 26) | 0.0117727 |
| 0.233 (2/18/2025) | 0.29 (6/11/2019) | (0.233 - 0.29)/(49 - 26) | -0.00247826 |
| | | | |
| 0.499 (10/28/2019) | 0.485 (8/28/2019) | (0.499 - 0.485)/(28 - 27) | 0.014 |
| 0.102 (3/31/2020) | 0.485 (8/28/2019) | (0.102 - 0.485)/(29 - 27) | -0.1915 |
| 0.243 (6/10/2020) | 0.485 (8/28/2019) | (0.243 - 0.485)/(30 - 27) | -0.0806667 |
| 0.243 (6/10/2020) | 0.485 (8/28/2019) | (0.243 - 0.485)/(30 - 27) | -0.0806667 |
| 0.399 (9/21/2020) | 0.485 (8/28/2019) | (0.399 - 0.485)/(31 - 27) | -0.0215 |
| ND<0.1 U (12/17/2020) | 0.485 (8/28/2019) | (0.1 - 0.485)/(32 - 27) | -0.077 |
| ND<0.1 U (3/18/2021) | 0.485 (8/28/2019) | (0.1 - 0.485)/(33 - 27) | -0.0641667 |
| 0.157 (5/5/2021) | 0.485 (8/28/2019) | (0.157 - 0.485)/(34 - 27) | -0.0468571 |
| 0.262 (9/2/2021) | 0.485 (8/28/2019) | (0.262 - 0.485)/(35 - 27) | -0.027875 |
| 0.253 (11/23/2021) | 0.485 (8/28/2019) | (0.253 - 0.485)/(36 - 27) | -0.0257778 |
| 0.184 (1/10/2022) | 0.485 (8/28/2019) | (0.184 - 0.485)/(37 - 27) | -0.0301 |
| 0.121 (4/7/2022) | 0.485 (8/28/2019) | (0.121 - 0.485)/(38 - 27) | -0.0330909 |
| 0.323 (8/3/2022) | 0.485 (8/28/2019) | (0.323 - 0.485)/(39 - 27) | -0.0135 |
| 0.42 (11/16/2022) | 0.485 (8/28/2019) | (0.42 - 0.485)/(40 - 27) | -0.005 |
| ND<0.1 U (2/13/2023) | 0.485 (8/28/2019) | (0.1 - 0.485)/(41 - 27) | -0.0275 |
| 0.182 (5/24/2023) | 0.485 (8/28/2019) | (0.182 - 0.485)/(42 - 27) | -0.0202 |
| 0.43 (8/7/2023) | 0.485 (8/28/2019) | (0.43 - 0.485)/(43 - 27) | -0.0034375 |
| 0.782 (12/12/2023) | 0.485 (8/28/2019) | (0.782 - 0.485)/(44 - 27) | 0.0174706 |
| 0.498 (1/10/2024) | 0.485 (8/28/2019) | (0.498 - 0.485)/(45 - 27) | 0.000722222 |
| 0.192 (5/20/2024) | 0.485 (8/28/2019) | (0.192 - 0.485)/(46 - 27) | -0.0154211 |
| 0.74 (9/16/2024) | 0.485 (8/28/2019) | (0.74 - 0.485)/(47 - 27) | 0.01275 |
| 0.549 (12/11/2024) | 0.485 (8/28/2019) | (0.549 - 0.485)/(48 - 27) | 0.00304762 |
| 0.233 (2/18/2025) | 0.485 (8/28/2019) | (0.233 - 0.485)/(49 - 27) | -0.0114545 |
| | | | |
| 0.102 (3/31/2020) | 0.499 (10/28/2019) | (0.102 - 0.499)/(29 - 28) | -0.397 |
| 0.243 (6/10/2020) | 0.499 (10/28/2019) | (0.243 - 0.499)/(30 - 28) | -0.128 |
| 0.243 (6/10/2020) | 0.499 (10/28/2019) | (0.243 - 0.499)/(30 - 28) | -0.128 |
| 0.399 (9/21/2020) | 0.499 (10/28/2019) | (0.399 - 0.499)/(31 - 28) | -0.0333333 |
| ND<0.1 U (12/17/2020) | 0.499 (10/28/2019) | (0.1 - 0.499)/(32 - 28) | -0.09975 |
| ND<0.1 U (3/18/2021) | 0.499 (10/28/2019) | (0.1 - 0.499)/(33 - 28) | -0.0798 |
| 0.157 (5/5/2021) | 0.499 (10/28/2019) | (0.157 - 0.499)/(34 - 28) | -0.057 |
| 0.262 (9/2/2021) | 0.499 (10/28/2019) | (0.262 - 0.499)/(35 - 28) | -0.0338571 |
| 0.253 (11/23/2021) | 0.499 (10/28/2019) | (0.253 - 0.499)/(36 - 28) | -0.03075 |
| 0.184 (1/10/2022) | 0.499 (10/28/2019) | (0.184 - 0.499)/(37 - 28) | -0.035 |
| 0.121 (4/7/2022) | 0.499 (10/28/2019) | (0.121 - 0.499)/(38 - 28) | -0.0378 |
| 0.323 (8/3/2022) | 0.499 (10/28/2019) | (0.323 - 0.499)/(39 - 28) | -0.016 |
| 0.42 (11/16/2022) | 0.499 (10/28/2019) | (0.42 - 0.499)/(40 - 28) | -0.00658333 |
| ND<0.1 U (2/13/2023) | 0.499 (10/28/2019) | (0.1 - 0.499)/(41 - 28) | -0.0306923 |
| 0.182 (5/24/2023) | 0.499 (10/28/2019) | (0.182 - 0.499)/(42 - 28) | -0.0226429 |
| 0.43 (8/7/2023) | 0.499 (10/28/2019) | (0.43 - 0.499)/(43 - 28) | -0.0046 |
| 0.782 (12/12/2023) | 0.499 (10/28/2019) | (0.782 - 0.499)/(44 - 28) | 0.0176875 |
| 0.498 (1/10/2024) | 0.499 (10/28/2019) | (0.498 - 0.499)/(45 - 28) | -5.88235e-05 |

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|---|---|---|---|
| 0.192 (5/20/2024) | 0.499 (10/28/2019) | (0.192 - 0.499)/(46 - 28) | -0.0170556 |
| 0.74 (9/16/2024) | 0.499 (10/28/2019) | (0.74 - 0.499)/(47 - 28) | 0.0126842 |
| 0.549 (12/11/2024) | 0.499 (10/28/2019) | (0.549 - 0.499)/(48 - 28) | 0.0025 |
| 0.233 (2/18/2025) | 0.499 (10/28/2019) | (0.233 - 0.499)/(49 - 28) | -0.0126667 |
| | | | |
| 0.243 (6/10/2020) | 0.102 (3/31/2020) | (0.243 - 0.102)/(30 - 29) | 0.141 |
| 0.243 (6/10/2020) | 0.102 (3/31/2020) | (0.243 - 0.102)/(30 - 29) | 0.141 |
| 0.399 (9/21/2020) | 0.102 (3/31/2020) | (0.399 - 0.102)/(31 - 29) | 0.1485 |
| ND<0.1 U (12/17/2020) | 0.102 (3/31/2020) | (0.1 - 0.102)/(32 - 29) | -0.000666667 |
| ND<0.1 U (3/18/2021) | 0.102 (3/31/2020) | (0.1 - 0.102)/(33 - 29) | -0.0005 |
| 0.157 (5/5/2021) | 0.102 (3/31/2020) | (0.157 - 0.102)/(34 - 29) | 0.011 |
| 0.262 (9/2/2021) | 0.102 (3/31/2020) | (0.262 - 0.102)/(35 - 29) | 0.0266667 |
| 0.253 (11/23/2021) | 0.102 (3/31/2020) | (0.253 - 0.102)/(36 - 29) | 0.0215714 |
| 0.184 (1/10/2022) | 0.102 (3/31/2020) | (0.184 - 0.102)/(37 - 29) | 0.01025 |
| 0.121 (4/7/2022) | 0.102 (3/31/2020) | (0.121 - 0.102)/(38 - 29) | 0.00211111 |
| 0.323 (8/3/2022) | 0.102 (3/31/2020) | (0.323 - 0.102)/(39 - 29) | 0.0221 |
| 0.42 (11/16/2022) | 0.102 (3/31/2020) | (0.42 - 0.102)/(40 - 29) | 0.0289091 |
| ND<0.1 U (2/13/2023) | 0.102 (3/31/2020) | (0.1 - 0.102)/(41 - 29) | -0.000166667 |
| 0.182 (5/24/2023) | 0.102 (3/31/2020) | (0.182 - 0.102)/(42 - 29) | 0.00615385 |
| 0.43 (8/7/2023) | 0.102 (3/31/2020) | (0.43 - 0.102)/(43 - 29) | 0.0234286 |
| 0.782 (12/12/2023) | 0.102 (3/31/2020) | (0.782 - 0.102)/(44 - 29) | 0.0453333 |
| 0.498 (1/10/2024) | 0.102 (3/31/2020) | (0.498 - 0.102)/(45 - 29) | 0.02475 |
| 0.192 (5/20/2024) | 0.102 (3/31/2020) | (0.192 - 0.102)/(46 - 29) | 0.00529412 |
| 0.74 (9/16/2024) | 0.102 (3/31/2020) | (0.74 - 0.102)/(47 - 29) | 0.0354444 |
| 0.549 (12/11/2024) | 0.102 (3/31/2020) | (0.549 - 0.102)/(48 - 29) | 0.0235263 |
| 0.233 (2/18/2025) | 0.102 (3/31/2020) | (0.233 - 0.102)/(49 - 29) | 0.00655 |
| | | | |
| 0.243 (6/10/2020) | 0.243 (6/10/2020) | (0.243 - 0.243)/(30 - 30) | Same Date |
| 0.399 (9/21/2020) | 0.243 (6/10/2020) | (0.399 - 0.243)/(31 - 30) | 0.156 |
| ND<0.1 U (12/17/2020) | 0.243 (6/10/2020) | (0.1 - 0.243)/(32 - 30) | -0.0715 |
| ND<0.1 U (3/18/2021) | 0.243 (6/10/2020) | (0.1 - 0.243)/(33 - 30) | -0.0476667 |
| 0.157 (5/5/2021) | 0.243 (6/10/2020) | (0.157 - 0.243)/(34 - 30) | -0.0215 |
| 0.262 (9/2/2021) | 0.243 (6/10/2020) | (0.262 - 0.243)/(35 - 30) | 0.0038 |
| 0.253 (11/23/2021) | 0.243 (6/10/2020) | (0.253 - 0.243)/(36 - 30) | 0.00166667 |
| 0.184 (1/10/2022) | 0.243 (6/10/2020) | (0.184 - 0.243)/(37 - 30) | -0.00842857 |
| 0.121 (4/7/2022) | 0.243 (6/10/2020) | (0.121 - 0.243)/(38 - 30) | -0.01525 |
| 0.323 (8/3/2022) | 0.243 (6/10/2020) | (0.323 - 0.243)/(39 - 30) | 0.00888889 |
| 0.42 (11/16/2022) | 0.243 (6/10/2020) | (0.42 - 0.243)/(40 - 30) | 0.0177 |
| ND<0.1 U (2/13/2023) | 0.243 (6/10/2020) | (0.1 - 0.243)/(41 - 30) | -0.013 |
| 0.182 (5/24/2023) | 0.243 (6/10/2020) | (0.182 - 0.243)/(42 - 30) | -0.00508333 |
| 0.43 (8/7/2023) | 0.243 (6/10/2020) | (0.43 - 0.243)/(43 - 30) | 0.0143846 |
| 0.782 (12/12/2023) | 0.243 (6/10/2020) | (0.782 - 0.243)/(44 - 30) | 0.0385 |
| 0.498 (1/10/2024) | 0.243 (6/10/2020) | (0.498 - 0.243)/(45 - 30) | 0.017 |
| 0.192 (5/20/2024) | 0.243 (6/10/2020) | (0.192 - 0.243)/(46 - 30) | -0.0031875 |
| 0.74 (9/16/2024) | 0.243 (6/10/2020) | (0.74 - 0.243)/(47 - 30) | 0.0292353 |
| 0.549 (12/11/2024) | 0.243 (6/10/2020) | (0.549 - 0.243)/(48 - 30) | 0.017 |
| 0.233 (2/18/2025) | 0.243 (6/10/2020) | (0.233 - 0.243)/(49 - 30) | -0.000526316 |
| | | | |
| 0.399 (9/21/2020) | 0.243 (6/10/2020) | (0.399 - 0.243)/(31 - 30) | 0.156 |
| ND<0.1 U (12/17/2020) | 0.243 (6/10/2020) | (0.1 - 0.243)/(32 - 30) | -0.0715 |
| ND<0.1 U (3/18/2021) | 0.243 (6/10/2020) | (0.1 - 0.243)/(33 - 30) | -0.0476667 |
| 0.157 (5/5/2021) | 0.243 (6/10/2020) | (0.157 - 0.243)/(34 - 30) | -0.0215 |
| 0.262 (9/2/2021) | 0.243 (6/10/2020) | (0.262 - 0.243)/(35 - 30) | 0.0038 |
| 0.253 (11/23/2021) | 0.243 (6/10/2020) | (0.253 - 0.243)/(36 - 30) | 0.00166667 |
| 0.184 (1/10/2022) | 0.243 (6/10/2020) | (0.184 - 0.243)/(37 - 30) | -0.00842857 |
| 0.121 (4/7/2022) | 0.243 (6/10/2020) | (0.121 - 0.243)/(38 - 30) | -0.01525 |
| 0.323 (8/3/2022) | 0.243 (6/10/2020) | (0.323 - 0.243)/(39 - 30) | 0.00888889 |

| | | | |
|---|---|---|---|
| 0.42 (11/16/2022) | 0.243 (6/10/2020) | (0.42 - 0.243)/(40 - 30) | 0.0177 |
| ND<0.1 U (2/13/2023) | 0.243 (6/10/2020) | (0.1 - 0.243)/(41 - 30) | -0.013 |
| 0.182 (5/24/2023) | 0.243 (6/10/2020) | (0.182 - 0.243)/(42 - 30) | -0.00508333 |
| 0.43 (8/7/2023) | 0.243 (6/10/2020) | (0.43 - 0.243)/(43 - 30) | 0.0143846 |
| 0.782 (12/12/2023) | 0.243 (6/10/2020) | (0.782 - 0.243)/(44 - 30) | 0.0385 |
| 0.498 (1/10/2024) | 0.243 (6/10/2020) | (0.498 - 0.243)/(45 - 30) | 0.017 |
| 0.192 (5/20/2024) | 0.243 (6/10/2020) | (0.192 - 0.243)/(46 - 30) | -0.0031875 |
| 0.74 (9/16/2024) | 0.243 (6/10/2020) | (0.74 - 0.243)/(47 - 30) | 0.0292353 |
| 0.549 (12/11/2024) | 0.243 (6/10/2020) | (0.549 - 0.243)/(48 - 30) | 0.017 |
| 0.233 (2/18/2025) | 0.243 (6/10/2020) | (0.233 - 0.243)/(49 - 30) | -0.000526316 |
| | | | |
| ND<0.1 U (12/17/2020) | 0.399 (9/21/2020) | (0.1 - 0.399)/(32 - 31) | -0.299 |
| ND<0.1 U (3/18/2021) | 0.399 (9/21/2020) | (0.1 - 0.399)/(33 - 31) | -0.1495 |
| 0.157 (5/5/2021) | 0.399 (9/21/2020) | (0.157 - 0.399)/(34 - 31) | -0.0806667 |
| 0.262 (9/2/2021) | 0.399 (9/21/2020) | (0.262 - 0.399)/(35 - 31) | -0.03425 |
| 0.253 (11/23/2021) | 0.399 (9/21/2020) | (0.253 - 0.399)/(36 - 31) | -0.0292 |
| 0.184 (1/10/2022) | 0.399 (9/21/2020) | (0.184 - 0.399)/(37 - 31) | -0.0358333 |
| 0.121 (4/7/2022) | 0.399 (9/21/2020) | (0.121 - 0.399)/(38 - 31) | -0.0397143 |
| 0.323 (8/3/2022) | 0.399 (9/21/2020) | (0.323 - 0.399)/(39 - 31) | -0.0095 |
| 0.42 (11/16/2022) | 0.399 (9/21/2020) | (0.42 - 0.399)/(40 - 31) | 0.00233333 |
| ND<0.1 U (2/13/2023) | 0.399 (9/21/2020) | (0.1 - 0.399)/(41 - 31) | -0.0299 |
| 0.182 (5/24/2023) | 0.399 (9/21/2020) | (0.182 - 0.399)/(42 - 31) | -0.0197273 |
| 0.43 (8/7/2023) | 0.399 (9/21/2020) | (0.43 - 0.399)/(43 - 31) | 0.00258333 |
| 0.782 (12/12/2023) | 0.399 (9/21/2020) | (0.782 - 0.399)/(44 - 31) | 0.0294615 |
| 0.498 (1/10/2024) | 0.399 (9/21/2020) | (0.498 - 0.399)/(45 - 31) | 0.00707143 |
| 0.192 (5/20/2024) | 0.399 (9/21/2020) | (0.192 - 0.399)/(46 - 31) | -0.0138 |
| 0.74 (9/16/2024) | 0.399 (9/21/2020) | (0.74 - 0.399)/(47 - 31) | 0.0213125 |
| 0.549 (12/11/2024) | 0.399 (9/21/2020) | (0.549 - 0.399)/(48 - 31) | 0.00882353 |
| 0.233 (2/18/2025) | 0.399 (9/21/2020) | (0.233 - 0.399)/(49 - 31) | -0.00922222 |
| | | | |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| 0.157 (5/5/2021) | ND<0.1 U (12/17/2020) | (0.157 - 0.1)/(34 - 32) | 0.0285 |
| 0.262 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.262 - 0.1)/(35 - 32) | 0.054 |
| 0.253 (11/23/2021) | ND<0.1 U (12/17/2020) | (0.253 - 0.1)/(36 - 32) | 0.03825 |
| 0.184 (1/10/2022) | ND<0.1 U (12/17/2020) | (0.184 - 0.1)/(37 - 32) | 0.0168 |
| 0.121 (4/7/2022) | ND<0.1 U (12/17/2020) | (0.121 - 0.1)/(38 - 32) | 0.0035 |
| 0.323 (8/3/2022) | ND<0.1 U (12/17/2020) | (0.323 - 0.1)/(39 - 32) | 0.0318571 |
| 0.42 (11/16/2022) | ND<0.1 U (12/17/2020) | (0.42 - 0.1)/(40 - 32) | 0.04 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.182 (5/24/2023) | ND<0.1 U (12/17/2020) | (0.182 - 0.1)/(42 - 32) | 0.0082 |
| 0.43 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.43 - 0.1)/(43 - 32) | 0.03 |
| 0.782 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.782 - 0.1)/(44 - 32) | 0.0568333 |
| 0.498 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.498 - 0.1)/(45 - 32) | 0.0306154 |
| 0.192 (5/20/2024) | ND<0.1 U (12/17/2020) | (0.192 - 0.1)/(46 - 32) | 0.00657143 |
| 0.74 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.74 - 0.1)/(47 - 32) | 0.0426667 |
| 0.549 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.549 - 0.1)/(48 - 32) | 0.0280625 |
| 0.233 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.233 - 0.1)/(49 - 32) | 0.00782353 |
| | | | |
| 0.157 (5/5/2021) | ND<0.1 U (3/18/2021) | (0.157 - 0.1)/(34 - 33) | 0.057 |
| 0.262 (9/2/2021) | ND<0.1 U (3/18/2021) | (0.262 - 0.1)/(35 - 33) | 0.081 |
| 0.253 (11/23/2021) | ND<0.1 U (3/18/2021) | (0.253 - 0.1)/(36 - 33) | 0.051 |
| 0.184 (1/10/2022) | ND<0.1 U (3/18/2021) | (0.184 - 0.1)/(37 - 33) | 0.021 |
| 0.121 (4/7/2022) | ND<0.1 U (3/18/2021) | (0.121 - 0.1)/(38 - 33) | 0.0042 |
| 0.323 (8/3/2022) | ND<0.1 U (3/18/2021) | (0.323 - 0.1)/(39 - 33) | 0.0371667 |
| 0.42 (11/16/2022) | ND<0.1 U (3/18/2021) | (0.42 - 0.1)/(40 - 33) | 0.0457143 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.182 (5/24/2023) | ND<0.1 U (3/18/2021) | (0.182 - 0.1)/(42 - 33) | 0.00911111 |

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|---|---|---|---|
| 0.43 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.43 - 0.1)/(43 - 33) | 0.033 |
| 0.782 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.782 - 0.1)/(44 - 33) | 0.062 |
| 0.498 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.498 - 0.1)/(45 - 33) | 0.0331667 |
| 0.192 (5/20/2024) | ND<0.1 U (3/18/2021) | (0.192 - 0.1)/(46 - 33) | 0.00707692 |
| 0.74 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.74 - 0.1)/(47 - 33) | 0.0457143 |
| 0.549 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.549 - 0.1)/(48 - 33) | 0.0299333 |
| 0.233 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.233 - 0.1)/(49 - 33) | 0.0083125 |
| | | | |
| 0.262 (9/2/2021) | 0.157 (5/5/2021) | (0.262 - 0.157)/(35 - 34) | 0.105 |
| 0.253 (11/23/2021) | 0.157 (5/5/2021) | (0.253 - 0.157)/(36 - 34) | 0.048 |
| 0.184 (1/10/2022) | 0.157 (5/5/2021) | (0.184 - 0.157)/(37 - 34) | 0.009 |
| 0.121 (4/7/2022) | 0.157 (5/5/2021) | (0.121 - 0.157)/(38 - 34) | -0.009 |
| 0.323 (8/3/2022) | 0.157 (5/5/2021) | (0.323 - 0.157)/(39 - 34) | 0.0332 |
| 0.42 (11/16/2022) | 0.157 (5/5/2021) | (0.42 - 0.157)/(40 - 34) | 0.0438333 |
| ND<0.1 U (2/13/2023) | 0.157 (5/5/2021) | (0.1 - 0.157)/(41 - 34) | -0.00814286 |
| 0.182 (5/24/2023) | 0.157 (5/5/2021) | (0.182 - 0.157)/(42 - 34) | 0.003125 |
| 0.43 (8/7/2023) | 0.157 (5/5/2021) | (0.43 - 0.157)/(43 - 34) | 0.0303333 |
| 0.782 (12/12/2023) | 0.157 (5/5/2021) | (0.782 - 0.157)/(44 - 34) | 0.0625 |
| 0.498 (1/10/2024) | 0.157 (5/5/2021) | (0.498 - 0.157)/(45 - 34) | 0.031 |
| 0.192 (5/20/2024) | 0.157 (5/5/2021) | (0.192 - 0.157)/(46 - 34) | 0.00291667 |
| 0.74 (9/16/2024) | 0.157 (5/5/2021) | (0.74 - 0.157)/(47 - 34) | 0.0448462 |
| 0.549 (12/11/2024) | 0.157 (5/5/2021) | (0.549 - 0.157)/(48 - 34) | 0.028 |
| 0.233 (2/18/2025) | 0.157 (5/5/2021) | (0.233 - 0.157)/(49 - 34) | 0.00506667 |
| | | | |
| 0.253 (11/23/2021) | 0.262 (9/2/2021) | (0.253 - 0.262)/(36 - 35) | -0.009 |
| 0.184 (1/10/2022) | 0.262 (9/2/2021) | (0.184 - 0.262)/(37 - 35) | -0.039 |
| 0.121 (4/7/2022) | 0.262 (9/2/2021) | (0.121 - 0.262)/(38 - 35) | -0.047 |
| 0.323 (8/3/2022) | 0.262 (9/2/2021) | (0.323 - 0.262)/(39 - 35) | 0.01525 |
| 0.42 (11/16/2022) | 0.262 (9/2/2021) | (0.42 - 0.262)/(40 - 35) | 0.0316 |
| ND<0.1 U (2/13/2023) | 0.262 (9/2/2021) | (0.1 - 0.262)/(41 - 35) | -0.027 |
| 0.182 (5/24/2023) | 0.262 (9/2/2021) | (0.182 - 0.262)/(42 - 35) | -0.0114286 |
| 0.43 (8/7/2023) | 0.262 (9/2/2021) | (0.43 - 0.262)/(43 - 35) | 0.021 |
| 0.782 (12/12/2023) | 0.262 (9/2/2021) | (0.782 - 0.262)/(44 - 35) | 0.0577778 |
| 0.498 (1/10/2024) | 0.262 (9/2/2021) | (0.498 - 0.262)/(45 - 35) | 0.0236 |
| 0.192 (5/20/2024) | 0.262 (9/2/2021) | (0.192 - 0.262)/(46 - 35) | -0.00636364 |
| 0.74 (9/16/2024) | 0.262 (9/2/2021) | (0.74 - 0.262)/(47 - 35) | 0.0398333 |
| 0.549 (12/11/2024) | 0.262 (9/2/2021) | (0.549 - 0.262)/(48 - 35) | 0.0220769 |
| 0.233 (2/18/2025) | 0.262 (9/2/2021) | (0.233 - 0.262)/(49 - 35) | -0.00207143 |
| | | | |
| 0.184 (1/10/2022) | 0.253 (11/23/2021) | (0.184 - 0.253)/(37 - 36) | -0.069 |
| 0.121 (4/7/2022) | 0.253 (11/23/2021) | (0.121 - 0.253)/(38 - 36) | -0.066 |
| 0.323 (8/3/2022) | 0.253 (11/23/2021) | (0.323 - 0.253)/(39 - 36) | 0.0233333 |
| 0.42 (11/16/2022) | 0.253 (11/23/2021) | (0.42 - 0.253)/(40 - 36) | 0.04175 |
| ND<0.1 U (2/13/2023) | 0.253 (11/23/2021) | (0.1 - 0.253)/(41 - 36) | -0.0306 |
| 0.182 (5/24/2023) | 0.253 (11/23/2021) | (0.182 - 0.253)/(42 - 36) | -0.0118333 |
| 0.43 (8/7/2023) | 0.253 (11/23/2021) | (0.43 - 0.253)/(43 - 36) | 0.0252857 |
| 0.782 (12/12/2023) | 0.253 (11/23/2021) | (0.782 - 0.253)/(44 - 36) | 0.066125 |
| 0.498 (1/10/2024) | 0.253 (11/23/2021) | (0.498 - 0.253)/(45 - 36) | 0.0272222 |
| 0.192 (5/20/2024) | 0.253 (11/23/2021) | (0.192 - 0.253)/(46 - 36) | -0.0061 |
| 0.74 (9/16/2024) | 0.253 (11/23/2021) | (0.74 - 0.253)/(47 - 36) | 0.0442727 |
| 0.549 (12/11/2024) | 0.253 (11/23/2021) | (0.549 - 0.253)/(48 - 36) | 0.0246667 |
| 0.233 (2/18/2025) | 0.253 (11/23/2021) | (0.233 - 0.253)/(49 - 36) | -0.00153846 |
| | | | |
| 0.121 (4/7/2022) | 0.184 (1/10/2022) | (0.121 - 0.184)/(38 - 37) | -0.063 |
| 0.323 (8/3/2022) | 0.184 (1/10/2022) | (0.323 - 0.184)/(39 - 37) | 0.0695 |
| 0.42 (11/16/2022) | 0.184 (1/10/2022) | (0.42 - 0.184)/(40 - 37) | 0.0786667 |
| ND<0.1 U (2/13/2023) | 0.184 (1/10/2022) | (0.1 - 0.184)/(41 - 37) | -0.021 |

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|---|---|---|---|
| 0.182 (5/24/2023) | 0.184 (1/10/2022) | (0.182 - 0.184)/(42 - 37) | -0.0004 |
| 0.43 (8/7/2023) | 0.184 (1/10/2022) | (0.43 - 0.184)/(43 - 37) | 0.041 |
| 0.782 (12/12/2023) | 0.184 (1/10/2022) | (0.782 - 0.184)/(44 - 37) | 0.0854286 |
| 0.498 (1/10/2024) | 0.184 (1/10/2022) | (0.498 - 0.184)/(45 - 37) | 0.03925 |
| 0.192 (5/20/2024) | 0.184 (1/10/2022) | (0.192 - 0.184)/(46 - 37) | 0.000888889 |
| 0.74 (9/16/2024) | 0.184 (1/10/2022) | (0.74 - 0.184)/(47 - 37) | 0.0556 |
| 0.549 (12/11/2024) | 0.184 (1/10/2022) | (0.549 - 0.184)/(48 - 37) | 0.0331818 |
| 0.233 (2/18/2025) | 0.184 (1/10/2022) | (0.233 - 0.184)/(49 - 37) | 0.00408333 |
| | | | |
| 0.323 (8/3/2022) | 0.121 (4/7/2022) | (0.323 - 0.121)/(39 - 38) | 0.202 |
| 0.42 (11/16/2022) | 0.121 (4/7/2022) | (0.42 - 0.121)/(40 - 38) | 0.1495 |
| ND<0.1 U (2/13/2023) | 0.121 (4/7/2022) | (0.1 - 0.121)/(41 - 38) | -0.007 |
| 0.182 (5/24/2023) | 0.121 (4/7/2022) | (0.182 - 0.121)/(42 - 38) | 0.01525 |
| 0.43 (8/7/2023) | 0.121 (4/7/2022) | (0.43 - 0.121)/(43 - 38) | 0.0618 |
| 0.782 (12/12/2023) | 0.121 (4/7/2022) | (0.782 - 0.121)/(44 - 38) | 0.110167 |
| 0.498 (1/10/2024) | 0.121 (4/7/2022) | (0.498 - 0.121)/(45 - 38) | 0.0538571 |
| 0.192 (5/20/2024) | 0.121 (4/7/2022) | (0.192 - 0.121)/(46 - 38) | 0.008875 |
| 0.74 (9/16/2024) | 0.121 (4/7/2022) | (0.74 - 0.121)/(47 - 38) | 0.0687778 |
| 0.549 (12/11/2024) | 0.121 (4/7/2022) | (0.549 - 0.121)/(48 - 38) | 0.0428 |
| 0.233 (2/18/2025) | 0.121 (4/7/2022) | (0.233 - 0.121)/(49 - 38) | 0.0101818 |
| | | | |
| 0.42 (11/16/2022) | 0.323 (8/3/2022) | (0.42 - 0.323)/(40 - 39) | 0.097 |
| ND<0.1 U (2/13/2023) | 0.323 (8/3/2022) | (0.1 - 0.323)/(41 - 39) | -0.1115 |
| 0.182 (5/24/2023) | 0.323 (8/3/2022) | (0.182 - 0.323)/(42 - 39) | -0.047 |
| 0.43 (8/7/2023) | 0.323 (8/3/2022) | (0.43 - 0.323)/(43 - 39) | 0.02675 |
| 0.782 (12/12/2023) | 0.323 (8/3/2022) | (0.782 - 0.323)/(44 - 39) | 0.0918 |
| 0.498 (1/10/2024) | 0.323 (8/3/2022) | (0.498 - 0.323)/(45 - 39) | 0.0291667 |
| 0.192 (5/20/2024) | 0.323 (8/3/2022) | (0.192 - 0.323)/(46 - 39) | -0.0187143 |
| 0.74 (9/16/2024) | 0.323 (8/3/2022) | (0.74 - 0.323)/(47 - 39) | 0.052125 |
| 0.549 (12/11/2024) | 0.323 (8/3/2022) | (0.549 - 0.323)/(48 - 39) | 0.0251111 |
| 0.233 (2/18/2025) | 0.323 (8/3/2022) | (0.233 - 0.323)/(49 - 39) | -0.009 |
| | | | |
| ND<0.1 U (2/13/2023) | 0.42 (11/16/2022) | (0.1 - 0.42)/(41 - 40) | -0.32 |
| 0.182 (5/24/2023) | 0.42 (11/16/2022) | (0.182 - 0.42)/(42 - 40) | -0.119 |
| 0.43 (8/7/2023) | 0.42 (11/16/2022) | (0.43 - 0.42)/(43 - 40) | 0.00333333 |
| 0.782 (12/12/2023) | 0.42 (11/16/2022) | (0.782 - 0.42)/(44 - 40) | 0.0905 |
| 0.498 (1/10/2024) | 0.42 (11/16/2022) | (0.498 - 0.42)/(45 - 40) | 0.0156 |
| 0.192 (5/20/2024) | 0.42 (11/16/2022) | (0.192 - 0.42)/(46 - 40) | -0.038 |
| 0.74 (9/16/2024) | 0.42 (11/16/2022) | (0.74 - 0.42)/(47 - 40) | 0.0457143 |
| 0.549 (12/11/2024) | 0.42 (11/16/2022) | (0.549 - 0.42)/(48 - 40) | 0.016125 |
| 0.233 (2/18/2025) | 0.42 (11/16/2022) | (0.233 - 0.42)/(49 - 40) | -0.0207778 |
| | | | |
| 0.182 (5/24/2023) | ND<0.1 U (2/13/2023) | (0.182 - 0.1)/(42 - 41) | 0.082 |
| 0.43 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.43 - 0.1)/(43 - 41) | 0.165 |
| 0.782 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.782 - 0.1)/(44 - 41) | 0.227333 |
| 0.498 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.498 - 0.1)/(45 - 41) | 0.0995 |
| 0.192 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.192 - 0.1)/(46 - 41) | 0.0184 |
| 0.74 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.74 - 0.1)/(47 - 41) | 0.106667 |
| 0.549 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.549 - 0.1)/(48 - 41) | 0.0641429 |
| 0.233 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.233 - 0.1)/(49 - 41) | 0.016625 |
| | | | |
| 0.43 (8/7/2023) | 0.182 (5/24/2023) | (0.43 - 0.182)/(43 - 42) | 0.248 |
| 0.782 (12/12/2023) | 0.182 (5/24/2023) | (0.782 - 0.182)/(44 - 42) | 0.3 |
| 0.498 (1/10/2024) | 0.182 (5/24/2023) | (0.498 - 0.182)/(45 - 42) | 0.105333 |
| 0.192 (5/20/2024) | 0.182 (5/24/2023) | (0.192 - 0.182)/(46 - 42) | 0.0025 |
| 0.74 (9/16/2024) | 0.182 (5/24/2023) | (0.74 - 0.182)/(47 - 42) | 0.1116 |
| 0.549 (12/11/2024) | 0.182 (5/24/2023) | (0.549 - 0.182)/(48 - 42) | 0.0611667 |

| | | | |
|---|---|---|---|
| 0.233 (2/18/2025) | 0.182 (5/24/2023) | (0.233 - 0.182)/(49 - 42) | 0.00728571 |
| 0.782 (12/12/2023) | 0.43 (8/7/2023) | (0.782 - 0.43)/(44 - 43) | 0.352 |
| 0.498 (1/10/2024) | 0.43 (8/7/2023) | (0.498 - 0.43)/(45 - 43) | 0.034 |
| 0.192 (5/20/2024) | 0.43 (8/7/2023) | (0.192 - 0.43)/(46 - 43) | -0.0793333 |
| 0.74 (9/16/2024) | 0.43 (8/7/2023) | (0.74 - 0.43)/(47 - 43) | 0.0775 |
| 0.549 (12/11/2024) | 0.43 (8/7/2023) | (0.549 - 0.43)/(48 - 43) | 0.0238 |
| 0.233 (2/18/2025) | 0.43 (8/7/2023) | (0.233 - 0.43)/(49 - 43) | -0.0328333 |
| 0.498 (1/10/2024) | 0.782 (12/12/2023) | (0.498 - 0.782)/(45 - 44) | -0.284 |
| 0.192 (5/20/2024) | 0.782 (12/12/2023) | (0.192 - 0.782)/(46 - 44) | -0.295 |
| 0.74 (9/16/2024) | 0.782 (12/12/2023) | (0.74 - 0.782)/(47 - 44) | -0.014 |
| 0.549 (12/11/2024) | 0.782 (12/12/2023) | (0.549 - 0.782)/(48 - 44) | -0.05825 |
| 0.233 (2/18/2025) | 0.782 (12/12/2023) | (0.233 - 0.782)/(49 - 44) | -0.1098 |
| 0.192 (5/20/2024) | 0.498 (1/10/2024) | (0.192 - 0.498)/(46 - 45) | -0.306 |
| 0.74 (9/16/2024) | 0.498 (1/10/2024) | (0.74 - 0.498)/(47 - 45) | 0.121 |
| 0.549 (12/11/2024) | 0.498 (1/10/2024) | (0.549 - 0.498)/(48 - 45) | 0.017 |
| 0.233 (2/18/2025) | 0.498 (1/10/2024) | (0.233 - 0.498)/(49 - 45) | -0.06625 |
| 0.74 (9/16/2024) | 0.192 (5/20/2024) | (0.74 - 0.192)/(47 - 46) | 0.548 |
| 0.549 (12/11/2024) | 0.192 (5/20/2024) | (0.549 - 0.192)/(48 - 46) | 0.1785 |
| 0.233 (2/18/2025) | 0.192 (5/20/2024) | (0.233 - 0.192)/(49 - 46) | 0.0136667 |
| 0.549 (12/11/2024) | 0.74 (9/16/2024) | (0.549 - 0.74)/(48 - 47) | -0.191 |
| 0.233 (2/18/2025) | 0.74 (9/16/2024) | (0.233 - 0.74)/(49 - 47) | -0.2535 |
| 0.233 (2/18/2025) | 0.549 (12/11/2024) | (0.233 - 0.549)/(49 - 48) | -0.316 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.55 |
| 2 | -0.397 |
| 3 | -0.38 |
| 4 | -0.32 |
| 5 | -0.316 |
| 6 | -0.306 |
| 7 | -0.299 |
| 8 | -0.295 |
| 9 | -0.284 |
| 10 | -0.2535 |
| 11 | -0.25 |
| 12 | -0.21 |
| 13 | -0.21 |
| 14 | -0.21 |
| 15 | -0.2 |
| 16 | -0.197 |
| 17 | -0.1915 |
| 18 | -0.191 |
| 19 | -0.1505 |
| 20 | -0.15 |
| 21 | -0.1495 |
| 22 | -0.136667 |
| 23 | -0.13 |

| | |
|---|---|
| 24 | -0.128 |
| 25 | -0.128 |
| 26 | -0.12 |
| 27 | -0.119 |
| 28 | -0.113333 |
| 29 | -0.1115 |
| 30 | -0.11 |
| 31 | -0.1098 |
| 32 | -0.104 |
| 33 | -0.102 |
| 34 | -0.1 |
| 35 | -0.09975 |
| 36 | -0.09 |
| 37 | -0.09 |
| 38 | -0.086 |
| 39 | -0.085 |
| 40 | -0.0816667 |
| 41 | -0.0806667 |
| 42 | -0.0806667 |
| 43 | -0.0806667 |
| 44 | -0.0802857 |
| 45 | -0.0798 |
| 46 | -0.0793333 |
| 47 | -0.078 |
| 48 | -0.077 |
| 49 | -0.0766667 |
| 50 | -0.074 |
| 51 | -0.0733333 |
| 52 | -0.0725 |
| 53 | -0.0715 |
| 54 | -0.0715 |
| 55 | -0.0712 |
| 56 | -0.07 |
| 57 | -0.069 |
| 58 | -0.0677778 |
| 59 | -0.06625 |
| 60 | -0.066 |
| 61 | -0.066 |
| 62 | -0.065 |
| 63 | -0.0644 |
| 64 | -0.0641667 |
| 65 | -0.0633333 |
| 66 | -0.063 |
| 67 | -0.0626667 |
| 68 | -0.06 |
| 69 | -0.0586667 |
| 70 | -0.05825 |
| 71 | -0.058 |
| 72 | -0.058 |
| 73 | -0.057 |
| 74 | -0.0558182 |
| 75 | -0.0555 |
| 76 | -0.0554545 |
| 77 | -0.055 |
| 78 | -0.055 |
| 79 | -0.0542857 |
| 80 | -0.0506 |

| | |
|---|---|
| 81 | -0.0504615 |
| 82 | -0.05 |
| 83 | -0.05 |
| 84 | -0.05 |
| 85 | -0.0498333 |
| 86 | -0.0486667 |
| 87 | -0.0476667 |
| 88 | -0.0476667 |
| 89 | -0.047 |
| 90 | -0.047 |
| 91 | -0.0468571 |
| 92 | -0.0466667 |
| 93 | -0.046 |
| 94 | -0.045 |
| 95 | -0.0433333 |
| 96 | -0.0421111 |
| 97 | -0.0411111 |
| 98 | -0.0405333 |
| 99 | -0.04 |
| 100 | -0.04 |
| 101 | -0.04 |
| 102 | -0.0397143 |
| 103 | -0.039 |
| 104 | -0.0385714 |
| 105 | -0.03825 |
| 106 | -0.038 |
| 107 | -0.038 |
| 108 | -0.0378 |
| 109 | -0.0375 |
| 110 | -0.0373333 |
| 111 | -0.037 |
| 112 | -0.0362857 |
| 113 | -0.0361905 |
| 114 | -0.0358333 |
| 115 | -0.035 |
| 116 | -0.035 |
| 117 | -0.035 |
| 118 | -0.035 |
| 119 | -0.0345455 |
| 120 | -0.0343333 |
| 121 | -0.03425 |
| 122 | -0.0338889 |
| 123 | -0.0338571 |
| 124 | -0.03375 |
| 125 | -0.0334444 |
| 126 | -0.0333333 |
| 127 | -0.03325 |
| 128 | -0.0330909 |
| 129 | -0.0328889 |
| 130 | -0.0328333 |
| 131 | -0.0324737 |
| 132 | -0.0324737 |
| 133 | -0.0321053 |
| 134 | -0.0316667 |
| 135 | -0.0314286 |
| 136 | -0.031 |
| 137 | -0.03075 |

| | |
|---|---|
| 138 | -0.0306923 |
| 139 | -0.0306 |
| 140 | -0.0305652 |
| 141 | -0.0301 |
| 142 | -0.0301 |
| 143 | -0.03 |
| 144 | -0.03 |
| 145 | -0.03 |
| 146 | -0.03 |
| 147 | -0.03 |
| 148 | -0.03 |
| 149 | -0.0299 |
| 150 | -0.0292 |
| 151 | -0.0291875 |
| 152 | -0.0291875 |
| 153 | -0.0284286 |
| 154 | -0.0283077 |
| 155 | -0.028 |
| 156 | -0.027875 |
| 157 | -0.0276667 |
| 158 | -0.02765 |
| 159 | -0.0275 |
| 160 | -0.0273704 |
| 161 | -0.0271429 |
| 162 | -0.027 |
| 163 | -0.0266667 |
| 164 | -0.026 |
| 165 | -0.0257778 |
| 166 | -0.0257143 |
| 167 | -0.0253333 |
| 168 | -0.025 |
| 169 | -0.0249167 |
| 170 | -0.0248 |
| 171 | -0.0245417 |
| 172 | -0.0244444 |
| 173 | -0.0243636 |
| 174 | -0.02428 |
| 175 | -0.0237143 |
| 176 | -0.0235294 |
| 177 | -0.0234375 |
| 178 | -0.0233333 |
| 179 | -0.023125 |
| 180 | -0.02305 |
| 181 | -0.0228696 |
| 182 | -0.0226429 |
| 183 | -0.0225926 |
| 184 | -0.0225714 |
| 185 | -0.0225714 |
| 186 | -0.0223333 |
| 187 | -0.0223077 |
| 188 | -0.0222222 |
| 189 | -0.0221818 |
| 190 | -0.021871 |
| 191 | -0.0217647 |
| 192 | -0.0216667 |
| 193 | -0.0215 |
| 194 | -0.0215 |

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| 195 | -0.0215 |
| 196 | -0.0213333 |
| 197 | -0.0212353 |
| 198 | -0.021 |
| 199 | -0.021 |
| 200 | -0.0207778 |
| 201 | -0.0207727 |
| 202 | -0.0205714 |
| 203 | -0.0204 |
| 204 | -0.0202 |
| 205 | -0.02 |
| 206 | -0.0199091 |
| 207 | -0.0197647 |
| 208 | -0.0197273 |
| 209 | -0.0196 |
| 210 | -0.0192857 |
| 211 | -0.0191786 |
| 212 | -0.0190909 |
| 213 | -0.0190857 |
| 214 | -0.0188571 |
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| 220 | -0.018 |
| 221 | -0.018 |
| 222 | -0.018 |
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| 225 | -0.0176 |
| 226 | -0.0173889 |
| 227 | -0.0173077 |
| 228 | -0.0171333 |
| 229 | -0.0171333 |
| 230 | -0.0170588 |
| 231 | -0.0170556 |
| 232 | -0.017 |
| 233 | -0.0169231 |
| 234 | -0.016875 |
| 235 | -0.0167222 |
| 236 | -0.016625 |
| 237 | -0.0165 |
| 238 | -0.0164783 |
| 239 | -0.0164444 |
| 240 | -0.0162143 |
| 241 | -0.0162143 |
| 242 | -0.0161875 |
| 243 | -0.0161538 |
| 244 | -0.016 |
| 245 | -0.0158636 |
| 246 | -0.0155 |
| 247 | -0.01548 |
| 248 | -0.0154545 |
| 249 | -0.0154211 |
| 250 | -0.0153846 |
| 251 | -0.01525 |

| | |
|---|---|
| 252 | -0.01525 |
| 253 | -0.0152 |
| 254 | -0.0151724 |
| 255 | -0.0150714 |
| 256 | -0.0148 |
| 257 | -0.0146 |
| 258 | -0.0143636 |
| 259 | -0.0141852 |
| 260 | -0.0140833 |
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| 262 | -0.0138462 |
| 263 | -0.0138 |
| 264 | -0.0137143 |
| 265 | -0.0136286 |
| 266 | -0.013619 |
| 267 | -0.0135161 |
| 268 | -0.0135 |
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| 270 | -0.0133125 |
| 271 | -0.0132727 |
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| 273 | -0.013 |
| 274 | -0.013 |
| 275 | -0.013 |
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| 277 | -0.012913 |
| 278 | -0.012913 |
| 279 | -0.0128571 |
| 280 | -0.0126667 |
| 281 | -0.0126667 |
| 282 | -0.0125294 |
| 283 | -0.0125 |
| 284 | -0.01245 |
| 285 | -0.012375 |
| 286 | -0.0122353 |
| 287 | -0.0120833 |
| 288 | -0.012 |
| 289 | -0.0119 |
| 290 | -0.0118667 |
| 291 | -0.0118571 |
| 292 | -0.0118333 |
| 293 | -0.0117778 |
| 294 | -0.0117619 |
| 295 | -0.01175 |
| 296 | -0.01175 |
| 297 | -0.0117391 |
| 298 | -0.0116667 |
| 299 | -0.011625 |
| 300 | -0.0116 |
| 301 | -0.0115833 |
| 302 | -0.0115556 |
| 303 | -0.0115385 |
| 304 | -0.0115263 |
| 305 | -0.0115 |
| 306 | -0.0114545 |
| 307 | -0.0114286 |
| 308 | -0.0114286 |

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| 309 | -0.0113846 |
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| 312 | -0.0112941 |
| 313 | -0.01125 |
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| 316 | -0.0110769 |
| 317 | -0.0109474 |
| 318 | -0.01085 |
| 319 | -0.0106471 |
| 320 | -0.0105833 |
| 321 | -0.0105833 |
| 322 | -0.0105 |
| 323 | -0.0102857 |
| 324 | -0.0102286 |
| 325 | -0.01 |
| 326 | -0.01 |
| 327 | -0.01 |
| 328 | -0.01 |
| 329 | -0.01 |
| 330 | -0.01 |
| 331 | -0.01 |
| 332 | -0.00993548 |
| 333 | -0.00992857 |
| 334 | -0.00989655 |
| 335 | -0.00985714 |
| 336 | -0.00978947 |
| 337 | -0.00976923 |
| 338 | -0.00976923 |
| 339 | -0.00965517 |
| 340 | -0.00963636 |
| 341 | -0.00953846 |
| 342 | -0.00952 |
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| 346 | -0.00926667 |
| 347 | -0.00922222 |
| 348 | -0.00908696 |
| 349 | -0.009 |
| 350 | -0.009 |
| 351 | -0.009 |
| 352 | -0.00896667 |
| 353 | -0.00896154 |
| 354 | -0.00892308 |
| 355 | -0.00888889 |
| 356 | -0.00883333 |
| 357 | -0.0088 |
| 358 | -0.00878788 |
| 359 | -0.0086875 |
| 360 | -0.00862069 |
| 361 | -0.00857143 |
| 362 | -0.00842857 |
| 363 | -0.00842857 |
| 364 | -0.00840541 |
| 365 | -0.00836842 |

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| 366 | -0.00833333 |
| 367 | -0.00827586 |
| 368 | -0.0082 |
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| 370 | -0.00814286 |
| 371 | -0.00785294 |
| 372 | -0.00783333 |
| 373 | -0.0078125 |
| 374 | -0.00777778 |
| 375 | -0.00773913 |
| 376 | -0.00768421 |
| 377 | -0.00752 |
| 378 | -0.0075 |
| 379 | -0.00741667 |
| 380 | -0.007375 |
| 381 | -0.00730952 |
| 382 | -0.00726923 |
| 383 | -0.00724138 |
| 384 | -0.00718182 |
| 385 | -0.00716667 |
| 386 | -0.00714286 |
| 387 | -0.00710345 |
| 388 | -0.007 |
| 389 | -0.00695455 |
| 390 | -0.00695238 |
| 391 | -0.00692308 |
| 392 | -0.00683871 |
| 393 | -0.0068 |
| 394 | -0.00678125 |
| 395 | -0.00675 |
| 396 | -0.00668182 |
| 397 | -0.00668182 |
| 398 | -0.00666667 |
| 399 | -0.00664286 |
| 400 | -0.00658333 |
| 401 | -0.00657895 |
| 402 | -0.00654286 |
| 403 | -0.0065 |
| 404 | -0.00648649 |
| 405 | -0.00646154 |
| 406 | -0.00644118 |
| 407 | -0.0064 |
| 408 | -0.0063913 |
| 409 | -0.00636364 |
| 410 | -0.00635714 |
| 411 | -0.00635294 |
| 412 | -0.0063125 |
| 413 | -0.00622581 |
| 414 | -0.00615789 |
| 415 | -0.00613793 |
| 416 | -0.00611765 |
| 417 | -0.00611765 |
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| 419 | -0.0061 |
| 420 | -0.006 |
| 421 | -0.00592857 |
| 422 | -0.00588235 |

| | |
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| 423 | -0.005875 |
| 424 | -0.00575 |
| 425 | -0.005625 |
| 426 | -0.00555556 |
| 427 | -0.00547368 |
| 428 | -0.00533333 |
| 429 | -0.00522222 |
| 430 | -0.00521053 |
| 431 | -0.00514286 |
| 432 | -0.00508333 |
| 433 | -0.00508333 |
| 434 | -0.00504 |
| 435 | -0.005 |
| 436 | -0.005 |
| 437 | -0.00496875 |
| 438 | -0.0049 |
| 439 | -0.00489286 |
| 440 | -0.00488235 |
| 441 | -0.004875 |
| 442 | -0.00474074 |
| 443 | -0.00473529 |
| 444 | -0.00473333 |
| 445 | -0.00472727 |
| 446 | -0.0047 |
| 447 | -0.0046 |
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| 449 | -0.00441935 |
| 450 | -0.00439286 |
| 451 | -0.004375 |
| 452 | -0.00436364 |
| 453 | -0.00430769 |
| 454 | -0.00428571 |
| 455 | -0.00428125 |
| 456 | -0.00426667 |
| 457 | -0.00426087 |
| 458 | -0.00422222 |
| 459 | -0.00415789 |
| 460 | -0.00413333 |
| 461 | -0.004 |
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| 463 | -0.00396296 |
| 464 | -0.00396296 |
| 465 | -0.00388235 |
| 466 | -0.00382927 |
| 467 | -0.00375 |
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| 470 | -0.00373077 |
| 471 | -0.00372222 |
| 472 | -0.00372222 |
| 473 | -0.0037 |
| 474 | -0.00367442 |
| 475 | -0.00363636 |
| 476 | -0.00352381 |
| 477 | -0.00347059 |
| 478 | -0.0034375 |
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| 482 | -0.00333333 |
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| 484 | -0.0032 |
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| 487 | -0.0031875 |
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| 492 | -0.00293939 |
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| 496 | -0.00271875 |
| 497 | -0.0026087 |
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| 500 | -0.0025 |
| 501 | -0.0025 |
| 502 | -0.0025 |
| 503 | -0.00247826 |
| 504 | -0.0024 |
| 505 | -0.00237778 |
| 506 | -0.002375 |
| 507 | -0.00236364 |
| 508 | -0.00227273 |
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| 516 | -0.00213636 |
| 517 | -0.002125 |
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| 519 | -0.00208333 |
| 520 | -0.00208108 |
| 521 | -0.00207143 |
| 522 | -0.002 |
| 523 | -0.002 |
| 524 | -0.002 |
| 525 | -0.00195238 |
| 526 | -0.0019 |
| 527 | -0.00173913 |
| 528 | -0.00166667 |
| 529 | -0.00166667 |
| 530 | -0.00158824 |
| 531 | -0.00158824 |
| 532 | -0.00156667 |
| 533 | -0.00154167 |
| 534 | -0.00154167 |
| 535 | -0.00153846 |
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| | |
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| 537 | -0.0015 |
| 538 | -0.00148148 |
| 539 | -0.00147368 |
| 540 | -0.00142857 |
| 541 | -0.00136364 |
| 542 | -0.00135714 |
| 543 | -0.00130435 |
| 544 | -0.00129032 |
| 545 | -0.00125 |
| 546 | -0.00125 |
| 547 | -0.00125 |
| 548 | -0.00122222 |
| 549 | -0.00116667 |
| 550 | -0.001125 |
| 551 | -0.00111111 |
| 552 | -0.00111111 |
| 553 | -0.00110526 |
| 554 | -0.00109302 |
| 555 | -0.00107143 |
| 556 | -0.001 |
| 557 | -0.000967742 |
| 558 | -0.000909091 |
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| 560 | -0.000833333 |
| 561 | -0.00075 |
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| 563 | -0.0007 |
| 564 | -0.000666667 |
| 565 | -0.000655172 |
| 566 | -0.00062069 |
| 567 | -0.000586207 |
| 568 | -0.000545455 |
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| 570 | -0.000526316 |
| 571 | -0.000513514 |
| 572 | -0.0005 |
| 573 | -0.000485714 |
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| 575 | -0.000434783 |
| 576 | -0.0004 |
| 577 | -0.000375 |
| 578 | -0.000375 |
| 579 | -0.000333333 |
| 580 | -0.000322581 |
| 581 | -0.000321429 |
| 582 | -0.000296296 |
| 583 | -0.000272727 |
| 584 | -0.00025641 |
| 585 | -0.00025 |
| 586 | -0.000166667 |
| 587 | -7.69231e-05 |
| 588 | -6.66667e-05 |
| 589 | -5.88235e-05 |
| 590 | 0 |
| 591 | 0 |
| 592 | 0 |
| 593 | 0 |

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| 594 | 0 |
| 595 | 0 |
| 596 | 0 |
| 597 | 0 |
| 598 | 0 |
| 599 | 0 |
| 600 | 0 |
| 601 | 0 |
| 602 | 0 |
| 603 | 0 |
| 604 | 0.000125 |
| 605 | 0.0001875 |
| 606 | 0.000219512 |
| 607 | 0.000305556 |
| 608 | 0.000391304 |
| 609 | 0.0004 |
| 610 | 0.000481481 |
| 611 | 0.0005 |
| 612 | 0.0005 |
| 613 | 0.0005 |
| 614 | 0.000515152 |
| 615 | 0.000666667 |
| 616 | 0.00068 |
| 617 | 0.000692308 |
| 618 | 0.000722222 |
| 619 | 0.000733333 |
| 620 | 0.0008 |
| 621 | 0.00084 |
| 622 | 0.000888889 |
| 623 | 0.000909091 |
| 624 | 0.000931034 |
| 625 | 0.0009375 |
| 626 | 0.000965517 |
| 627 | 0.00102439 |
| 628 | 0.00111765 |
| 629 | 0.001125 |
| 630 | 0.001125 |
| 631 | 0.00114286 |
| 632 | 0.00115556 |
| 633 | 0.00116 |
| 634 | 0.00122222 |
| 635 | 0.00123077 |
| 636 | 0.00127273 |
| 637 | 0.00130303 |
| 638 | 0.00133333 |
| 639 | 0.00136364 |
| 640 | 0.00140541 |
| 641 | 0.00140541 |
| 642 | 0.00142857 |
| 643 | 0.00142857 |
| 644 | 0.00145 |
| 645 | 0.00146875 |
| 646 | 0.00148485 |
| 647 | 0.0015122 |
| 648 | 0.00157143 |
| 649 | 0.00161538 |
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| 651 | 0.001625 |
| 652 | 0.00163636 |
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| 654 | 0.00166667 |
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| 656 | 0.00172222 |
| 657 | 0.00175 |
| 658 | 0.00176 |
| 659 | 0.0018 |
| 660 | 0.00186364 |
| 661 | 0.00189189 |
| 662 | 0.0019375 |
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| 664 | 0.002 |
| 665 | 0.002 |
| 666 | 0.00207143 |
| 667 | 0.00211111 |
| 668 | 0.00211429 |
| 669 | 0.00214286 |
| 670 | 0.00215 |
| 671 | 0.00217391 |
| 672 | 0.00218519 |
| 673 | 0.00222222 |
| 674 | 0.00223077 |
| 675 | 0.00225 |
| 676 | 0.00227273 |
| 677 | 0.00230769 |
| 678 | 0.00230769 |
| 679 | 0.00230769 |
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| 682 | 0.00234091 |
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| 686 | 0.00246875 |
| 687 | 0.0025 |
| 688 | 0.0025 |
| 689 | 0.0025 |
| 690 | 0.0025 |
| 691 | 0.00253846 |
| 692 | 0.00255 |
| 693 | 0.00258333 |
| 694 | 0.00261702 |
| 695 | 0.00264103 |
| 696 | 0.00271429 |
| 697 | 0.00278261 |
| 698 | 0.00278788 |
| 699 | 0.00282759 |
| 700 | 0.00291667 |
| 701 | 0.00291892 |
| 702 | 0.00303571 |
| 703 | 0.00304762 |
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| 705 | 0.00321053 |
| 706 | 0.00322857 |
| 707 | 0.00333333 |

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| 708 | 0.0035 |
| 709 | 0.0035 |
| 710 | 0.00352381 |
| 711 | 0.00355172 |
| 712 | 0.00355172 |
| 713 | 0.00358824 |
| 714 | 0.00369444 |
| 715 | 0.0038 |
| 716 | 0.0038 |
| 717 | 0.00384211 |
| 718 | 0.00385366 |
| 719 | 0.00387097 |
| 720 | 0.00389474 |
| 721 | 0.00392857 |
| 722 | 0.00396774 |
| 723 | 0.003975 |
| 724 | 0.00405405 |
| 725 | 0.00408333 |
| 726 | 0.00408333 |
| 727 | 0.00411765 |
| 728 | 0.00418519 |
| 729 | 0.0042 |
| 730 | 0.00420588 |
| 731 | 0.00426667 |
| 732 | 0.00427273 |
| 733 | 0.00428571 |
| 734 | 0.00438095 |
| 735 | 0.0044 |
| 736 | 0.00440909 |
| 737 | 0.00442222 |
| 738 | 0.00452 |
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| 740 | 0.00452941 |
| 741 | 0.00457143 |
| 742 | 0.00460606 |
| 743 | 0.00468421 |
| 744 | 0.00469231 |
| 745 | 0.00473077 |
| 746 | 0.00474074 |
| 747 | 0.00475 |
| 748 | 0.00475 |
| 749 | 0.00475 |
| 750 | 0.00476 |
| 751 | 0.00481579 |
| 752 | 0.00482353 |
| 753 | 0.00490476 |
| 754 | 0.00490476 |
| 755 | 0.005 |
| 756 | 0.005 |
| 757 | 0.005 |
| 758 | 0.00504762 |
| 759 | 0.00506667 |
| 760 | 0.00516667 |
| 761 | 0.00527273 |
| 762 | 0.00528 |
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| 765 | 0.00545 |
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| 773 | 0.00575676 |
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| 775 | 0.00578947 |
| 776 | 0.00592 |
| 777 | 0.00596 |
| 778 | 0.00596667 |
| 779 | 0.006 |
| 780 | 0.006 |
| 781 | 0.0061 |
| 782 | 0.00615385 |
| 783 | 0.0062 |
| 784 | 0.00625 |
| 785 | 0.00630435 |
| 786 | 0.00633333 |
| 787 | 0.00640476 |
| 788 | 0.0065 |
| 789 | 0.0065 |
| 790 | 0.00654054 |
| 791 | 0.00655 |
| 792 | 0.00657143 |
| 793 | 0.006625 |
| 794 | 0.00663889 |
| 795 | 0.00665217 |
| 796 | 0.00665517 |
| 797 | 0.00666667 |
| 798 | 0.00666667 |
| 799 | 0.00666667 |
| 800 | 0.0068 |
| 801 | 0.00682353 |
| 802 | 0.00690476 |
| 803 | 0.007 |
| 804 | 0.007 |
| 805 | 0.00707143 |
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| 807 | 0.00711765 |
| 808 | 0.00717949 |
| 809 | 0.00728571 |
| 810 | 0.00736364 |
| 811 | 0.0075 |
| 812 | 0.0075 |
| 813 | 0.0075 |
| 814 | 0.00761905 |
| 815 | 0.00777778 |
| 816 | 0.00777778 |
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| 826 | 0.00815385 |
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| 828 | 0.00818182 |
| 829 | 0.0082 |
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| 831 | 0.00827273 |
| 832 | 0.00828571 |
| 833 | 0.0083125 |
| 834 | 0.00838462 |
| 835 | 0.00841176 |
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| 850 | 0.00897436 |
| 851 | 0.009 |
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| 865 | 0.00966667 |
| 866 | 0.00972222 |
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| 868 | 0.00974419 |
| 869 | 0.0097619 |
| 870 | 0.00991667 |
| 871 | 0.00992 |
| 872 | 0.00994444 |
| 873 | 0.00995455 |
| 874 | 0.00996552 |
| 875 | 0.01 |
| 876 | 0.01 |
| 877 | 0.01 |
| 878 | 0.01 |

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|---|---|
| 879 | 0.01 |
| 880 | 0.0101818 |
| 881 | 0.01025 |
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| 883 | 0.0104872 |
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| 888 | 0.0106786 |
| 889 | 0.0107143 |
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| 891 | 0.0108889 |
| 892 | 0.0109474 |
| 893 | 0.0109565 |
| 894 | 0.011 |
| 895 | 0.011 |
| 896 | 0.011 |
| 897 | 0.0110263 |
| 898 | 0.01105 |
| 899 | 0.0111429 |
| 900 | 0.0112195 |
| 901 | 0.0115 |
| 902 | 0.0116538 |
| 903 | 0.0116667 |
| 904 | 0.0117273 |
| 905 | 0.0117727 |
| 906 | 0.0117727 |
| 907 | 0.0118125 |
| 908 | 0.0118519 |
| 909 | 0.0118636 |
| 910 | 0.0118947 |
| 911 | 0.012 |
| 912 | 0.012 |
| 913 | 0.0122857 |
| 914 | 0.0123333 |
| 915 | 0.0124375 |
| 916 | 0.0125 |
| 917 | 0.0125 |
| 918 | 0.0126842 |
| 919 | 0.01275 |
| 920 | 0.0127586 |
| 921 | 0.0127778 |
| 922 | 0.0128095 |
| 923 | 0.0128182 |
| 924 | 0.0128286 |
| 925 | 0.0129 |
| 926 | 0.0130435 |
| 927 | 0.0132105 |
| 928 | 0.0132692 |
| 929 | 0.0132963 |
| 930 | 0.0135 |
| 931 | 0.0135294 |
| 932 | 0.0135455 |
| 933 | 0.0136667 |
| 934 | 0.0138571 |
| 935 | 0.0139091 |

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|---|---|
| 936 | 0.014 |
| 937 | 0.014 |
| 938 | 0.014 |
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| 940 | 0.014125 |
| 941 | 0.0143158 |
| 942 | 0.014375 |
| 943 | 0.014375 |
| 944 | 0.0143846 |
| 945 | 0.0143846 |
| 946 | 0.0145238 |
| 947 | 0.0145455 |
| 948 | 0.0145833 |
| 949 | 0.0146154 |
| 950 | 0.01475 |
| 951 | 0.0148519 |
| 952 | 0.0149302 |
| 953 | 0.0149615 |
| 954 | 0.015 |
| 955 | 0.0150556 |
| 956 | 0.01525 |
| 957 | 0.01525 |
| 958 | 0.0152593 |
| 959 | 0.0154545 |
| 960 | 0.0156 |
| 961 | 0.0157143 |
| 962 | 0.0157895 |
| 963 | 0.0158462 |
| 964 | 0.0159286 |
| 965 | 0.016 |
| 966 | 0.0160435 |
| 967 | 0.016125 |
| 968 | 0.0161364 |
| 969 | 0.0162 |
| 970 | 0.0162222 |
| 971 | 0.01625 |
| 972 | 0.0164286 |
| 973 | 0.0164865 |
| 974 | 0.0166111 |
| 975 | 0.016625 |
| 976 | 0.0166667 |
| 977 | 0.0167179 |
| 978 | 0.0168 |
| 979 | 0.017 |
| 980 | 0.017 |
| 981 | 0.017 |
| 982 | 0.017 |
| 983 | 0.017 |
| 984 | 0.017 |
| 985 | 0.0173333 |
| 986 | 0.0174706 |
| 987 | 0.0176875 |
| 988 | 0.0177 |
| 989 | 0.0177 |
| 990 | 0.0181429 |
| 991 | 0.0181481 |
| 992 | 0.0183333 |

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| 993 | 0.0183429 |
| 994 | 0.0184 |
| 995 | 0.0184615 |
| 996 | 0.0186429 |
| 997 | 0.0186667 |
| 998 | 0.0188235 |
| 999 | 0.0188947 |
| 1000 | 0.019 |
| 1001 | 0.0191667 |
| 1002 | 0.0191765 |
| 1003 | 0.0195217 |
| 1004 | 0.0196 |
| 1005 | 0.01976 |
| 1006 | 0.0199 |
| 1007 | 0.02 |
| 1008 | 0.02 |
| 1009 | 0.02008 |
| 1010 | 0.0205 |
| 1011 | 0.0208462 |
| 1012 | 0.0208824 |
| 1013 | 0.021 |
| 1014 | 0.021 |
| 1015 | 0.021 |
| 1016 | 0.0213125 |
| 1017 | 0.0213333 |
| 1018 | 0.0214286 |
| 1019 | 0.0214286 |
| 1020 | 0.0215714 |
| 1021 | 0.0218 |
| 1022 | 0.022 |
| 1023 | 0.022 |
| 1024 | 0.0220769 |
| 1025 | 0.0221 |
| 1026 | 0.0221667 |
| 1027 | 0.0227692 |
| 1028 | 0.0233043 |
| 1029 | 0.0233333 |
| 1030 | 0.0234286 |
| 1031 | 0.0235263 |
| 1032 | 0.0236 |
| 1033 | 0.0238 |
| 1034 | 0.0242857 |
| 1035 | 0.0243333 |
| 1036 | 0.0243636 |
| 1037 | 0.0244444 |
| 1038 | 0.0246667 |
| 1039 | 0.02475 |
| 1040 | 0.0251 |
| 1041 | 0.0251111 |
| 1042 | 0.0252857 |
| 1043 | 0.0255556 |
| 1044 | 0.025625 |
| 1045 | 0.0257143 |
| 1046 | 0.0257143 |
| 1047 | 0.0257143 |
| 1048 | 0.0266 |
| 1049 | 0.0266667 |

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| 1050 | 0.02675 |
| 1051 | 0.0272222 |
| 1052 | 0.0273333 |
| 1053 | 0.0275 |
| 1054 | 0.0275652 |
| 1055 | 0.0278571 |
| 1056 | 0.028 |
| 1057 | 0.028 |
| 1058 | 0.0280625 |
| 1059 | 0.0284 |
| 1060 | 0.0285 |
| 1061 | 0.0286 |
| 1062 | 0.0286 |
| 1063 | 0.02875 |
| 1064 | 0.0289 |
| 1065 | 0.0289091 |
| 1066 | 0.0290909 |
| 1067 | 0.0291667 |
| 1068 | 0.0292353 |
| 1069 | 0.0292353 |
| 1070 | 0.0294615 |
| 1071 | 0.0299333 |
| 1072 | 0.03 |
| 1073 | 0.03 |
| 1074 | 0.03 |
| 1075 | 0.03 |
| 1076 | 0.0301 |
| 1077 | 0.03025 |
| 1078 | 0.0303333 |
| 1079 | 0.0306154 |
| 1080 | 0.0309091 |
| 1081 | 0.031 |
| 1082 | 0.031125 |
| 1083 | 0.0316 |
| 1084 | 0.0318571 |
| 1085 | 0.0327273 |
| 1086 | 0.033 |
| 1087 | 0.0331667 |
| 1088 | 0.0331818 |
| 1089 | 0.0332 |
| 1090 | 0.0335714 |
| 1091 | 0.034 |
| 1092 | 0.0342857 |
| 1093 | 0.0354444 |
| 1094 | 0.0357143 |
| 1095 | 0.0358947 |
| 1096 | 0.037 |
| 1097 | 0.037 |
| 1098 | 0.0371667 |
| 1099 | 0.03825 |
| 1100 | 0.0385 |
| 1101 | 0.0385 |
| 1102 | 0.03925 |
| 1103 | 0.0398333 |
| 1104 | 0.04 |
| 1105 | 0.04 |
| 1106 | 0.041 |

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| 1107 | 0.04175 |
| 1108 | 0.0421667 |
| 1109 | 0.0425 |
| 1110 | 0.0426667 |
| 1111 | 0.0428 |
| 1112 | 0.043 |
| 1113 | 0.0438333 |
| 1114 | 0.0438462 |
| 1115 | 0.0442727 |
| 1116 | 0.0448462 |
| 1117 | 0.0453333 |
| 1118 | 0.0457143 |
| 1119 | 0.0457143 |
| 1120 | 0.0457143 |
| 1121 | 0.0466667 |
| 1122 | 0.0471429 |
| 1123 | 0.0475 |
| 1124 | 0.0478 |
| 1125 | 0.048 |
| 1126 | 0.0498333 |
| 1127 | 0.05 |
| 1128 | 0.0501429 |
| 1129 | 0.0503333 |
| 1130 | 0.051 |
| 1131 | 0.052125 |
| 1132 | 0.0533333 |
| 1133 | 0.05375 |
| 1134 | 0.0538571 |
| 1135 | 0.054 |
| 1136 | 0.054 |
| 1137 | 0.055 |
| 1138 | 0.0556 |
| 1139 | 0.0561667 |
| 1140 | 0.0566667 |
| 1141 | 0.0566667 |
| 1142 | 0.0568333 |
| 1143 | 0.057 |
| 1144 | 0.0577778 |
| 1145 | 0.06 |
| 1146 | 0.0611667 |
| 1147 | 0.0618 |
| 1148 | 0.062 |
| 1149 | 0.0625 |
| 1150 | 0.0633333 |
| 1151 | 0.06375 |
| 1152 | 0.0641429 |
| 1153 | 0.0644444 |
| 1154 | 0.066125 |
| 1155 | 0.0666667 |
| 1156 | 0.0666667 |
| 1157 | 0.0666667 |
| 1158 | 0.0675 |
| 1159 | 0.0687778 |
| 1160 | 0.0695 |
| 1161 | 0.072 |
| 1162 | 0.07375 |
| 1163 | 0.074 |

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| 1164 | 0.0742857 |
| 1165 | 0.0775 |
| 1166 | 0.0786667 |
| 1167 | 0.08 |
| 1168 | 0.081 |
| 1169 | 0.082 |
| 1170 | 0.0833333 |
| 1171 | 0.0854286 |
| 1172 | 0.086 |
| 1173 | 0.0866667 |
| 1174 | 0.09 |
| 1175 | 0.0905 |
| 1176 | 0.0918 |
| 1177 | 0.0936667 |
| 1178 | 0.097 |
| 1179 | 0.098 |
| 1180 | 0.0995 |
| 1181 | 0.1045 |
| 1182 | 0.105 |
| 1183 | 0.105 |
| 1184 | 0.105333 |
| 1185 | 0.106667 |
| 1186 | 0.110167 |
| 1187 | 0.1116 |
| 1188 | 0.114 |
| 1189 | 0.115 |
| 1190 | 0.116 |
| 1191 | 0.121 |
| 1192 | 0.121667 |
| 1193 | 0.123333 |
| 1194 | 0.1265 |
| 1195 | 0.133 |
| 1196 | 0.141 |
| 1197 | 0.141 |
| 1198 | 0.145 |
| 1199 | 0.1485 |
| 1200 | 0.1495 |
| 1201 | 0.15 |
| 1202 | 0.155 |
| 1203 | 0.156 |
| 1204 | 0.156 |
| 1205 | 0.156667 |
| 1206 | 0.165 |
| 1207 | 0.1785 |
| 1208 | 0.19 |
| 1209 | 0.1925 |
| 1210 | 0.195 |
| 1211 | 0.2 |
| 1212 | 0.2 |
| 1213 | 0.202 |
| 1214 | 0.205 |
| 1215 | 0.227333 |
| 1216 | 0.24 |
| 1217 | 0.248 |
| 1218 | 0.26 |
| 1219 | 0.3 |
| 1220 | 0.352 |

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|---|---|
| 1221 | 0.36 |
| 1222 | 0.548 |
| 1223 | 0.61 |
| 1224 | 0.73 |

Sen's Estimator (Median Q) is 0.0005

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.14 | 2 |
| 2 | 0.13 | 2 |
| 3 | 0.28 | 2 |
| 4 | 0.1 | 5 |
| 5 | 0.37 | 2 |
| 6 | 0.243 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |

| | |
|---|---|
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 1 time periods with multiple data

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A = 390
B = 18
C = 60
D = 0
E = 30
F = 2
a = 257250
b = 1.0584e+06
c = 4900
Group Variance = 14269
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 196.483
M1 = (1224 - 196.483)/2.0 = 513.759
M2 = (1224 + 196.483)/2.0 + 1 = 711.241
Lower limit is -0.00216129 = Q(514)
Upper limit is 0.00355172 = Q(711)
-0.00216129 < 0 < 0.00355172 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: GD 12
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.11 (12/10/2013) | ND<0.1 U (3/12/2013) | (0.11 - 0.1)/(4 - 1) | 0.00333333 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| 0.12 (6/26/2014) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(6 - 1) | 0.004 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| 0.13 (11/19/2014) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(8 - 1) | 0.00428571 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (3/12/2013) | (0.15 - 0.1)/(12 - 1) | 0.00454545 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(16 - 1) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(17 - 1) | 0.00125 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(20 - 1) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (3/12/2013) | (0.286 - 0.1)/(23 - 1) | 0.00845455 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(24 - 1) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (3/12/2013) | (0.121 - 0.1)/(26 - 1) | 0.00084 |
| 0.103 (8/28/2019) | ND<0.1 U (3/12/2013) | (0.103 - 0.1)/(27 - 1) | 0.000115385 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(28 - 1) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (3/12/2013) | (0.167 - 0.1)/(29 - 1) | 0.00239286 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(35 - 1) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(38 - 1) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (3/12/2013) | (0.142 - 0.1)/(39 - 1) | 0.00110526 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (3/12/2013) | (0.372 - 0.1)/(42 - 1) | 0.00663415 |
| 0.0945 (8/7/2023) | ND<0.1 U (3/12/2013) | (0.0945 - 0.1)/(43 - 1) | -0.000130952 |
| 0.0233 (12/12/2023) | ND<0.1 U (3/12/2013) | (0.0233 - 0.1)/(44 - 1) | -0.00178372 |
| 0.0611 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.0611 - 0.1)/(45 - 1) | -0.000884091 |
| 0.0698 (5/20/2024) | ND<0.1 U (3/12/2013) | (0.0698 - 0.1)/(46 - 1) | -0.000671111 |
| 0.126 (9/16/2024) | ND<0.1 U (3/12/2013) | (0.126 - 0.1)/(47 - 1) | 0.000565217 |
| 0.088 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.088 - 0.1)/(48 - 1) | -0.000255319 |

| | | | |
|---|---|---|---|
| 0.116 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.116 - 0.1)/(49 - 1) | 0.000333333 |
| | | | |
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.11 (12/10/2013) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(4 - 2) | 0.005 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| 0.12 (6/26/2014) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(6 - 2) | 0.005 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| 0.13 (11/19/2014) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(8 - 2) | 0.005 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(12 - 2) | 0.005 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(16 - 2) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(17 - 2) | 0.00133333 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (5/8/2013) | (0.286 - 0.1)/(23 - 2) | 0.00885714 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(24 - 2) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (5/8/2013) | (0.121 - 0.1)/(26 - 2) | 0.000875 |
| 0.103 (8/28/2019) | ND<0.1 U (5/8/2013) | (0.103 - 0.1)/(27 - 2) | 0.00012 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(28 - 2) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (5/8/2013) | (0.167 - 0.1)/(29 - 2) | 0.00248148 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(35 - 2) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(36 - 2) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(38 - 2) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (5/8/2013) | (0.142 - 0.1)/(39 - 2) | 0.00113514 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (5/8/2013) | (0.372 - 0.1)/(42 - 2) | 0.0068 |
| 0.0945 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.0945 - 0.1)/(43 - 2) | -0.000134146 |
| 0.0233 (12/12/2023) | ND<0.1 U (5/8/2013) | (0.0233 - 0.1)/(44 - 2) | -0.00182619 |
| 0.0611 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.0611 - 0.1)/(45 - 2) | -0.000904651 |
| 0.0698 (5/20/2024) | ND<0.1 U (5/8/2013) | (0.0698 - 0.1)/(46 - 2) | -0.000686364 |
| 0.126 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.126 - 0.1)/(47 - 2) | 0.000577778 |
| 0.088 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.088 - 0.1)/(48 - 2) | -0.00026087 |
| 0.116 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.116 - 0.1)/(49 - 2) | 0.000340426 |
| | | | |
| 0.11 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(4 - 3) | 0.01 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| 0.12 (6/26/2014) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(6 - 3) | 0.00666667 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.13 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(8 - 3) | 0.006 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(12 - 3) | 0.00555556 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(17 - 3) | 0.00142857 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.286 - 0.1)/(23 - 3) | 0.0093 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (9/23/2013) | (0.121 - 0.1)/(26 - 3) | 0.000913043 |
| 0.103 (8/28/2019) | ND<0.1 U (9/23/2013) | (0.103 - 0.1)/(27 - 3) | 0.000125 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.167 - 0.1)/(29 - 3) | 0.00257692 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (9/23/2013) | (0.142 - 0.1)/(39 - 3) | 0.00116667 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.372 - 0.1)/(42 - 3) | 0.00697436 |
| 0.0945 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.0945 - 0.1)/(43 - 3) | -0.0001375 |
| 0.0233 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.0233 - 0.1)/(44 - 3) | -0.00187073 |
| 0.0611 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.0611 - 0.1)/(45 - 3) | -0.00092619 |
| 0.0698 (5/20/2024) | ND<0.1 U (9/23/2013) | (0.0698 - 0.1)/(46 - 3) | -0.000702326 |
| 0.126 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.126 - 0.1)/(47 - 3) | 0.000590909 |
| 0.088 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.088 - 0.1)/(48 - 3) | -0.000266667 |
| 0.116 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.116 - 0.1)/(49 - 3) | 0.000347826 |

| | | | |
|---|---|---|---|
| ND<0.1 U (2/6/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(5 - 4) | -0.01 |
| 0.12 (6/26/2014) | 0.11 (12/10/2013) | (0.12 - 0.11)/(6 - 4) | 0.005 |
| ND<0.1 U (9/30/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(7 - 4) | -0.00333333 |
| 0.13 (11/19/2014) | 0.11 (12/10/2013) | (0.13 - 0.11)/(8 - 4) | 0.005 |
| ND<0.1 U (3/23/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(9 - 4) | -0.002 |
| ND<0.1 U (4/22/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(10 - 4) | -0.00166667 |
| ND<0.1 U (9/30/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(11 - 4) | -0.00142857 |
| 0.15 (11/19/2015) | 0.11 (12/10/2013) | (0.15 - 0.11)/(12 - 4) | 0.005 |
| ND<0.1 U (3/15/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(13 - 4) | -0.00111111 |
| ND<0.1 U (6/29/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(14 - 4) | -0.001 |
| ND<0.1 U (8/9/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(15 - 4) | -0.000909091 |
| ND<0.1 U (12/7/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(16 - 4) | -0.000833333 |
| 0.12 (3/2/2017) | 0.11 (12/10/2013) | (0.12 - 0.11)/(17 - 4) | 0.000769231 |
| ND<0.1 U (6/21/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(18 - 4) | -0.000714286 |
| ND<0.1 U (8/17/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(19 - 4) | -0.000666667 |

| | | | |
|---|---|---|---|
| ND<0.1 U (10/26/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(20 - 4) | -0.000625 |
| ND<0.1 U (3/27/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(21 - 4) | -0.000588235 |
| ND<0.1 U (6/26/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(22 - 4) | -0.000555556 |
| 0.286 (8/1/2018) | 0.11 (12/10/2013) | (0.286 - 0.11)/(23 - 4) | 0.00926316 |
| ND<0.1 U (12/11/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(24 - 4) | -0.0005 |
| ND<0.1 U (4/17/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(25 - 4) | -0.00047619 |
| 0.121 (6/11/2019) | 0.11 (12/10/2013) | (0.121 - 0.11)/(26 - 4) | 0.0005 |
| 0.103 (8/28/2019) | 0.11 (12/10/2013) | (0.103 - 0.11)/(27 - 4) | -0.000304348 |
| ND<0.1 U (10/28/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(28 - 4) | -0.000416667 |
| 0.167 (3/31/2020) | 0.11 (12/10/2013) | (0.167 - 0.11)/(29 - 4) | 0.00228 |
| ND<0.1 U (6/10/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(30 - 4) | -0.000384615 |
| ND<0.1 U (6/10/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(30 - 4) | -0.000384615 |
| ND<0.1 U (9/21/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(31 - 4) | -0.00037037 |
| ND<0.1 U (12/17/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(32 - 4) | -0.000357143 |
| ND<0.1 U (3/18/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(33 - 4) | -0.000344828 |
| ND<0.1 U (5/5/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(34 - 4) | -0.000333333 |
| ND<0.1 U (9/2/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(35 - 4) | -0.000322581 |
| ND<0.1 U (11/23/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(36 - 4) | -0.0003125 |
| ND<0.1 U (1/10/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(37 - 4) | -0.00030303 |
| ND<0.1 U (4/7/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(38 - 4) | -0.000294118 |
| 0.142 (8/3/2022) | 0.11 (12/10/2013) | (0.142 - 0.11)/(39 - 4) | 0.000914286 |
| ND<0.1 U (11/16/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(40 - 4) | -0.000277778 |
| ND<0.1 U (2/13/2023) | 0.11 (12/10/2013) | (0.1 - 0.11)/(41 - 4) | -0.00027027 |
| 0.372 (5/24/2023) | 0.11 (12/10/2013) | (0.372 - 0.11)/(42 - 4) | 0.00689474 |
| 0.0945 (8/7/2023) | 0.11 (12/10/2013) | (0.0945 - 0.11)/(43 - 4) | -0.000397436 |
| 0.0233 (12/12/2023) | 0.11 (12/10/2013) | (0.0233 - 0.11)/(44 - 4) | -0.0021675 |
| 0.0611 (1/10/2024) | 0.11 (12/10/2013) | (0.0611 - 0.11)/(45 - 4) | -0.00119268 |
| 0.0698 (5/20/2024) | 0.11 (12/10/2013) | (0.0698 - 0.11)/(46 - 4) | -0.000957143 |
| 0.126 (9/16/2024) | 0.11 (12/10/2013) | (0.126 - 0.11)/(47 - 4) | 0.000372093 |
| 0.088 (12/11/2024) | 0.11 (12/10/2013) | (0.088 - 0.11)/(48 - 4) | -0.0005 |
| 0.116 (2/18/2025) | 0.11 (12/10/2013) | (0.116 - 0.11)/(49 - 4) | 0.000133333 |

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|---|---|---|---|
| 0.12 (6/26/2014) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(6 - 5) | 0.02 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| 0.13 (11/19/2014) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(8 - 5) | 0.01 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(11 - 5) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (2/6/2014) | (0.15 - 0.1)/(12 - 5) | 0.00714286 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(16 - 5) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(17 - 5) | 0.00166667 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(18 - 5) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(21 - 5) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(22 - 5) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (2/6/2014) | (0.286 - 0.1)/(23 - 5) | 0.0103333 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(24 - 5) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (2/6/2014) | (0.121 - 0.1)/(26 - 5) | 0.001 |
| 0.103 (8/28/2019) | ND<0.1 U (2/6/2014) | (0.103 - 0.1)/(27 - 5) | 0.000136364 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(28 - 5) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (2/6/2014) | (0.167 - 0.1)/(29 - 5) | 0.00279167 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |

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|---|---|---|---|
| ND<0.1 U (6/10/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(34 - 5) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(35 - 5) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(36 - 5) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(37 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(38 - 5) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (2/6/2014) | (0.142 - 0.1)/(39 - 5) | 0.00123529 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (2/6/2014) | (0.372 - 0.1)/(42 - 5) | 0.00735135 |
| 0.0945 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.0945 - 0.1)/(43 - 5) | -0.000144737 |
| 0.0233 (12/12/2023) | ND<0.1 U (2/6/2014) | (0.0233 - 0.1)/(44 - 5) | -0.00196667 |
| 0.0611 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.0611 - 0.1)/(45 - 5) | -0.0009725 |
| 0.0698 (5/20/2024) | ND<0.1 U (2/6/2014) | (0.0698 - 0.1)/(46 - 5) | -0.000736585 |
| 0.126 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.126 - 0.1)/(47 - 5) | 0.000619048 |
| 0.088 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.088 - 0.1)/(48 - 5) | -0.00027907 |
| 0.116 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.116 - 0.1)/(49 - 5) | 0.000363636 |

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|---|---|---|---|
| ND<0.1 U (9/30/2014) | 0.12 (6/26/2014) | (0.1 - 0.12)/(7 - 6) | -0.02 |
| 0.13 (11/19/2014) | 0.12 (6/26/2014) | (0.13 - 0.12)/(8 - 6) | 0.005 |
| ND<0.1 U (3/23/2015) | 0.12 (6/26/2014) | (0.1 - 0.12)/(9 - 6) | -0.00666667 |
| ND<0.1 U (4/22/2015) | 0.12 (6/26/2014) | (0.1 - 0.12)/(10 - 6) | -0.005 |
| ND<0.1 U (9/30/2015) | 0.12 (6/26/2014) | (0.1 - 0.12)/(11 - 6) | -0.004 |
| 0.15 (11/19/2015) | 0.12 (6/26/2014) | (0.15 - 0.12)/(12 - 6) | 0.005 |
| ND<0.1 U (3/15/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(13 - 6) | -0.00285714 |
| ND<0.1 U (6/29/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(14 - 6) | -0.0025 |
| ND<0.1 U (8/9/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(15 - 6) | -0.00222222 |
| ND<0.1 U (12/7/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(16 - 6) | -0.002 |
| 0.12 (3/2/2017) | 0.12 (6/26/2014) | (0.12 - 0.12)/(17 - 6) | 0 |
| ND<0.1 U (6/21/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(18 - 6) | -0.00166667 |
| ND<0.1 U (8/17/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(19 - 6) | -0.00153846 |
| ND<0.1 U (10/26/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(20 - 6) | -0.00142857 |
| ND<0.1 U (3/27/2018) | 0.12 (6/26/2014) | (0.1 - 0.12)/(21 - 6) | -0.00133333 |
| ND<0.1 U (6/26/2018) | 0.12 (6/26/2014) | (0.1 - 0.12)/(22 - 6) | -0.00125 |
| 0.286 (8/1/2018) | 0.12 (6/26/2014) | (0.286 - 0.12)/(23 - 6) | 0.00976471 |
| ND<0.1 U (12/11/2018) | 0.12 (6/26/2014) | (0.1 - 0.12)/(24 - 6) | -0.00111111 |
| ND<0.1 U (4/17/2019) | 0.12 (6/26/2014) | (0.1 - 0.12)/(25 - 6) | -0.00105263 |
| 0.121 (6/11/2019) | 0.12 (6/26/2014) | (0.121 - 0.12)/(26 - 6) | 5e-05 |
| 0.103 (8/28/2019) | 0.12 (6/26/2014) | (0.103 - 0.12)/(27 - 6) | -0.000809524 |
| ND<0.1 U (10/28/2019) | 0.12 (6/26/2014) | (0.1 - 0.12)/(28 - 6) | -0.000909091 |
| 0.167 (3/31/2020) | 0.12 (6/26/2014) | (0.167 - 0.12)/(29 - 6) | 0.00204348 |
| ND<0.1 U (6/10/2020) | 0.12 (6/26/2014) | (0.1 - 0.12)/(30 - 6) | -0.000833333 |
| ND<0.1 U (6/10/2020) | 0.12 (6/26/2014) | (0.1 - 0.12)/(30 - 6) | -0.000833333 |
| ND<0.1 U (9/21/2020) | 0.12 (6/26/2014) | (0.1 - 0.12)/(31 - 6) | -0.0008 |
| ND<0.1 U (12/17/2020) | 0.12 (6/26/2014) | (0.1 - 0.12)/(32 - 6) | -0.000769231 |
| ND<0.1 U (3/18/2021) | 0.12 (6/26/2014) | (0.1 - 0.12)/(33 - 6) | -0.000740741 |
| ND<0.1 U (5/5/2021) | 0.12 (6/26/2014) | (0.1 - 0.12)/(34 - 6) | -0.000714286 |
| ND<0.1 U (9/2/2021) | 0.12 (6/26/2014) | (0.1 - 0.12)/(35 - 6) | -0.000689655 |
| ND<0.1 U (11/23/2021) | 0.12 (6/26/2014) | (0.1 - 0.12)/(36 - 6) | -0.000666667 |
| ND<0.1 U (1/10/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(37 - 6) | -0.000645161 |
| ND<0.1 U (4/7/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(38 - 6) | -0.000625 |
| 0.142 (8/3/2022) | 0.12 (6/26/2014) | (0.142 - 0.12)/(39 - 6) | 0.000666667 |
| ND<0.1 U (11/16/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(40 - 6) | -0.000588235 |
| ND<0.1 U (2/13/2023) | 0.12 (6/26/2014) | (0.1 - 0.12)/(41 - 6) | -0.000571429 |

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|---|---|---|---|
| 0.372 (5/24/2023) | 0.12 (6/26/2014) | (0.372 - 0.12)/(42 - 6) | 0.007 |
| 0.0945 (8/7/2023) | 0.12 (6/26/2014) | (0.0945 - 0.12)/(43 - 6) | -0.000689189 |
| 0.0233 (12/12/2023) | 0.12 (6/26/2014) | (0.0233 - 0.12)/(44 - 6) | -0.00254474 |
| 0.0611 (1/10/2024) | 0.12 (6/26/2014) | (0.0611 - 0.12)/(45 - 6) | -0.00151026 |
| 0.0698 (5/20/2024) | 0.12 (6/26/2014) | (0.0698 - 0.12)/(46 - 6) | -0.001255 |
| 0.126 (9/16/2024) | 0.12 (6/26/2014) | (0.126 - 0.12)/(47 - 6) | 0.000146341 |
| 0.088 (12/11/2024) | 0.12 (6/26/2014) | (0.088 - 0.12)/(48 - 6) | -0.000761905 |
| 0.116 (2/18/2025) | 0.12 (6/26/2014) | (0.116 - 0.12)/(49 - 6) | -9.30233e-05 |
| | | | |
| 0.13 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(8 - 7) | 0.03 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(12 - 7) | 0.01 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(17 - 7) | 0.002 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 7) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.286 - 0.1)/(23 - 7) | 0.011625 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (9/30/2014) | (0.121 - 0.1)/(26 - 7) | 0.00110526 |
| 0.103 (8/28/2019) | ND<0.1 U (9/30/2014) | (0.103 - 0.1)/(27 - 7) | 0.00015 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 7) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.167 - 0.1)/(29 - 7) | 0.00304545 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 7) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (9/30/2014) | (0.142 - 0.1)/(39 - 7) | 0.0013125 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.372 - 0.1)/(42 - 7) | 0.00777143 |
| 0.0945 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.0945 - 0.1)/(43 - 7) | -0.000152778 |
| 0.0233 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.0233 - 0.1)/(44 - 7) | -0.00207297 |
| 0.0611 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.0611 - 0.1)/(45 - 7) | -0.00102368 |
| 0.0698 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.0698 - 0.1)/(46 - 7) | -0.000774359 |
| 0.126 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.126 - 0.1)/(47 - 7) | 0.00065 |
| 0.088 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.088 - 0.1)/(48 - 7) | -0.000292683 |
| 0.116 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.116 - 0.1)/(49 - 7) | 0.000380952 |
| | | | |
| ND<0.1 U (3/23/2015) | 0.13 (11/19/2014) | (0.1 - 0.13)/(9 - 8) | -0.03 |
| ND<0.1 U (4/22/2015) | 0.13 (11/19/2014) | (0.1 - 0.13)/(10 - 8) | -0.015 |
| ND<0.1 U (9/30/2015) | 0.13 (11/19/2014) | (0.1 - 0.13)/(11 - 8) | -0.01 |
| 0.15 (11/19/2015) | 0.13 (11/19/2014) | (0.15 - 0.13)/(12 - 8) | 0.005 |

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|---|---|---|---|
| ND<0.1 U (3/15/2016) | 0.13 (11/19/2014) | (0.1 - 0.13)/(13 - 8) | -0.006 |
| ND<0.1 U (6/29/2016) | 0.13 (11/19/2014) | (0.1 - 0.13)/(14 - 8) | -0.005 |
| ND<0.1 U (8/9/2016) | 0.13 (11/19/2014) | (0.1 - 0.13)/(15 - 8) | -0.00428571 |
| ND<0.1 U (12/7/2016) | 0.13 (11/19/2014) | (0.1 - 0.13)/(16 - 8) | -0.00375 |
| 0.12 (3/2/2017) | 0.13 (11/19/2014) | (0.12 - 0.13)/(17 - 8) | -0.00111111 |
| ND<0.1 U (6/21/2017) | 0.13 (11/19/2014) | (0.1 - 0.13)/(18 - 8) | -0.003 |
| ND<0.1 U (8/17/2017) | 0.13 (11/19/2014) | (0.1 - 0.13)/(19 - 8) | -0.00272727 |
| ND<0.1 U (10/26/2017) | 0.13 (11/19/2014) | (0.1 - 0.13)/(20 - 8) | -0.0025 |
| ND<0.1 U (3/27/2018) | 0.13 (11/19/2014) | (0.1 - 0.13)/(21 - 8) | -0.00230769 |
| ND<0.1 U (6/26/2018) | 0.13 (11/19/2014) | (0.1 - 0.13)/(22 - 8) | -0.00214286 |
| 0.286 (8/1/2018) | 0.13 (11/19/2014) | (0.286 - 0.13)/(23 - 8) | 0.0104 |
| ND<0.1 U (12/11/2018) | 0.13 (11/19/2014) | (0.1 - 0.13)/(24 - 8) | -0.001875 |
| ND<0.1 U (4/17/2019) | 0.13 (11/19/2014) | (0.1 - 0.13)/(25 - 8) | -0.00176471 |
| 0.121 (6/11/2019) | 0.13 (11/19/2014) | (0.121 - 0.13)/(26 - 8) | -0.0005 |
| 0.103 (8/28/2019) | 0.13 (11/19/2014) | (0.103 - 0.13)/(27 - 8) | -0.00142105 |
| ND<0.1 U (10/28/2019) | 0.13 (11/19/2014) | (0.1 - 0.13)/(28 - 8) | -0.0015 |
| 0.167 (3/31/2020) | 0.13 (11/19/2014) | (0.167 - 0.13)/(29 - 8) | 0.0017619 |
| ND<0.1 U (6/10/2020) | 0.13 (11/19/2014) | (0.1 - 0.13)/(30 - 8) | -0.00136364 |
| ND<0.1 U (6/10/2020) | 0.13 (11/19/2014) | (0.1 - 0.13)/(30 - 8) | -0.00136364 |
| ND<0.1 U (9/21/2020) | 0.13 (11/19/2014) | (0.1 - 0.13)/(31 - 8) | -0.00130435 |
| ND<0.1 U (12/17/2020) | 0.13 (11/19/2014) | (0.1 - 0.13)/(32 - 8) | -0.00125 |
| ND<0.1 U (3/18/2021) | 0.13 (11/19/2014) | (0.1 - 0.13)/(33 - 8) | -0.0012 |
| ND<0.1 U (5/5/2021) | 0.13 (11/19/2014) | (0.1 - 0.13)/(34 - 8) | -0.00115385 |
| ND<0.1 U (9/2/2021) | 0.13 (11/19/2014) | (0.1 - 0.13)/(35 - 8) | -0.00111111 |
| ND<0.1 U (11/23/2021) | 0.13 (11/19/2014) | (0.1 - 0.13)/(36 - 8) | -0.00107143 |
| ND<0.1 U (1/10/2022) | 0.13 (11/19/2014) | (0.1 - 0.13)/(37 - 8) | -0.00103448 |
| ND<0.1 U (4/7/2022) | 0.13 (11/19/2014) | (0.1 - 0.13)/(38 - 8) | -0.001 |
| 0.142 (8/3/2022) | 0.13 (11/19/2014) | (0.142 - 0.13)/(39 - 8) | 0.000387097 |
| ND<0.1 U (11/16/2022) | 0.13 (11/19/2014) | (0.1 - 0.13)/(40 - 8) | -0.0009375 |
| ND<0.1 U (2/13/2023) | 0.13 (11/19/2014) | (0.1 - 0.13)/(41 - 8) | -0.000909091 |
| 0.372 (5/24/2023) | 0.13 (11/19/2014) | (0.372 - 0.13)/(42 - 8) | 0.00711765 |
| 0.0945 (8/7/2023) | 0.13 (11/19/2014) | (0.0945 - 0.13)/(43 - 8) | -0.00101429 |
| 0.0233 (12/12/2023) | 0.13 (11/19/2014) | (0.0233 - 0.13)/(44 - 8) | -0.00296389 |
| 0.0611 (1/10/2024) | 0.13 (11/19/2014) | (0.0611 - 0.13)/(45 - 8) | -0.00186216 |
| 0.0698 (5/20/2024) | 0.13 (11/19/2014) | (0.0698 - 0.13)/(46 - 8) | -0.00158421 |
| 0.126 (9/16/2024) | 0.13 (11/19/2014) | (0.126 - 0.13)/(47 - 8) | -0.000102564 |
| 0.088 (12/11/2024) | 0.13 (11/19/2014) | (0.088 - 0.13)/(48 - 8) | -0.00105 |
| 0.116 (2/18/2025) | 0.13 (11/19/2014) | (0.116 - 0.13)/(49 - 8) | -0.000341463 |

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|---|---|---|---|
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (3/23/2015) | (0.15 - 0.1)/(12 - 9) | 0.0166667 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(16 - 9) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (3/23/2015) | (0.12 - 0.1)/(17 - 9) | 0.0025 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(20 - 9) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (3/23/2015) | (0.286 - 0.1)/(23 - 9) | 0.0132857 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(24 - 9) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (3/23/2015) | (0.121 - 0.1)/(26 - 9) | 0.00123529 |
| 0.103 (8/28/2019) | ND<0.1 U (3/23/2015) | (0.103 - 0.1)/(27 - 9) | 0.000166667 |

| | | | |
|---|---|---|---|
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(28 - 9) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (3/23/2015) | (0.167 - 0.1)/(29 - 9) | 0.00335 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(35 - 9) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(36 - 9) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(38 - 9) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (3/23/2015) | (0.142 - 0.1)/(39 - 9) | 0.0014 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (3/23/2015) | (0.372 - 0.1)/(42 - 9) | 0.00824242 |
| 0.0945 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.0945 - 0.1)/(43 - 9) | -0.000161765 |
| 0.0233 (12/12/2023) | ND<0.1 U (3/23/2015) | (0.0233 - 0.1)/(44 - 9) | -0.00219143 |
| 0.0611 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.0611 - 0.1)/(45 - 9) | -0.00108056 |
| 0.0698 (5/20/2024) | ND<0.1 U (3/23/2015) | (0.0698 - 0.1)/(46 - 9) | -0.000816216 |
| 0.126 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.126 - 0.1)/(47 - 9) | 0.000684211 |
| 0.088 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.088 - 0.1)/(48 - 9) | -0.000307692 |
| 0.116 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.116 - 0.1)/(49 - 9) | 0.0004 |
| | | | |
| ND<0.1 U (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| 0.15 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(12 - 10) | 0.025 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(16 - 10) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (4/22/2015) | (0.12 - 0.1)/(17 - 10) | 0.00285714 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (4/22/2015) | (0.286 - 0.1)/(23 - 10) | 0.0143077 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(24 - 10) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (4/22/2015) | (0.121 - 0.1)/(26 - 10) | 0.0013125 |
| 0.103 (8/28/2019) | ND<0.1 U (4/22/2015) | (0.103 - 0.1)/(27 - 10) | 0.000176471 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(28 - 10) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (4/22/2015) | (0.167 - 0.1)/(29 - 10) | 0.00352632 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(35 - 10) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(36 - 10) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(38 - 10) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (4/22/2015) | (0.142 - 0.1)/(39 - 10) | 0.00144828 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (4/22/2015) | (0.372 - 0.1)/(42 - 10) | 0.0085 |

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|---|---|---|---|
| 0.0945 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.0945 - 0.1)/(43 - 10) | -0.000166667 |
| 0.0233 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.0233 - 0.1)/(44 - 10) | -0.00225588 |
| 0.0611 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.0611 - 0.1)/(45 - 10) | -0.00111143 |
| 0.0698 (5/20/2024) | ND<0.1 U (4/22/2015) | (0.0698 - 0.1)/(46 - 10) | -0.000838889 |
| 0.126 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.126 - 0.1)/(47 - 10) | 0.000702703 |
| 0.088 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.088 - 0.1)/(48 - 10) | -0.000315789 |
| 0.116 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.116 - 0.1)/(49 - 10) | 0.000410256 |
| | | | |
| 0.15 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.15 - 0.1)/(12 - 11) | 0.05 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(13 - 11) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(17 - 11) | 0.00333333 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(21 - 11) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (9/30/2015) | (0.286 - 0.1)/(23 - 11) | 0.0155 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(24 - 11) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (9/30/2015) | (0.121 - 0.1)/(26 - 11) | 0.0014 |
| 0.103 (8/28/2019) | ND<0.1 U (9/30/2015) | (0.103 - 0.1)/(27 - 11) | 0.0001875 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(28 - 11) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.167 - 0.1)/(29 - 11) | 0.00372222 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(34 - 11) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(37 - 11) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(38 - 11) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (9/30/2015) | (0.142 - 0.1)/(39 - 11) | 0.0015 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.372 - 0.1)/(42 - 11) | 0.00877419 |
| 0.0945 (8/7/2023) | ND<0.1 U (9/30/2015) | (0.0945 - 0.1)/(43 - 11) | -0.000171875 |
| 0.0233 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.0233 - 0.1)/(44 - 11) | -0.00232424 |
| 0.0611 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.0611 - 0.1)/(45 - 11) | -0.00114412 |
| 0.0698 (5/20/2024) | ND<0.1 U (9/30/2015) | (0.0698 - 0.1)/(46 - 11) | -0.000862857 |
| 0.126 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.126 - 0.1)/(47 - 11) | 0.000722222 |
| 0.088 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.088 - 0.1)/(48 - 11) | -0.000324324 |
| 0.116 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.116 - 0.1)/(49 - 11) | 0.000421053 |
| | | | |
| ND<0.1 U (3/15/2016) | 0.15 (11/19/2015) | (0.1 - 0.15)/(13 - 12) | -0.05 |
| ND<0.1 U (6/29/2016) | 0.15 (11/19/2015) | (0.1 - 0.15)/(14 - 12) | -0.025 |
| ND<0.1 U (8/9/2016) | 0.15 (11/19/2015) | (0.1 - 0.15)/(15 - 12) | -0.0166667 |
| ND<0.1 U (12/7/2016) | 0.15 (11/19/2015) | (0.1 - 0.15)/(16 - 12) | -0.0125 |
| 0.12 (3/2/2017) | 0.15 (11/19/2015) | (0.12 - 0.15)/(17 - 12) | -0.006 |
| ND<0.1 U (6/21/2017) | 0.15 (11/19/2015) | (0.1 - 0.15)/(18 - 12) | -0.00833333 |
| ND<0.1 U (8/17/2017) | 0.15 (11/19/2015) | (0.1 - 0.15)/(19 - 12) | -0.00714286 |
| ND<0.1 U (10/26/2017) | 0.15 (11/19/2015) | (0.1 - 0.15)/(20 - 12) | -0.00625 |
| ND<0.1 U (3/27/2018) | 0.15 (11/19/2015) | (0.1 - 0.15)/(21 - 12) | -0.00555556 |

| | | | |
|---|---|---|---|
| ND<0.1 U (6/26/2018) | 0.15 (11/19/2015) | (0.1 - 0.15)/(22 - 12) | -0.005 |
| 0.286 (8/1/2018) | 0.15 (11/19/2015) | (0.286 - 0.15)/(23 - 12) | 0.0123636 |
| ND<0.1 U (12/11/2018) | 0.15 (11/19/2015) | (0.1 - 0.15)/(24 - 12) | -0.00416667 |
| ND<0.1 U (4/17/2019) | 0.15 (11/19/2015) | (0.1 - 0.15)/(25 - 12) | -0.00384615 |
| 0.121 (6/11/2019) | 0.15 (11/19/2015) | (0.121 - 0.15)/(26 - 12) | -0.00207143 |
| 0.103 (8/28/2019) | 0.15 (11/19/2015) | (0.103 - 0.15)/(27 - 12) | -0.00313333 |
| ND<0.1 U (10/28/2019) | 0.15 (11/19/2015) | (0.1 - 0.15)/(28 - 12) | -0.003125 |
| 0.167 (3/31/2020) | 0.15 (11/19/2015) | (0.167 - 0.15)/(29 - 12) | 0.001 |
| ND<0.1 U (6/10/2020) | 0.15 (11/19/2015) | (0.1 - 0.15)/(30 - 12) | -0.00277778 |
| ND<0.1 U (6/10/2020) | 0.15 (11/19/2015) | (0.1 - 0.15)/(30 - 12) | -0.00277778 |
| ND<0.1 U (9/21/2020) | 0.15 (11/19/2015) | (0.1 - 0.15)/(31 - 12) | -0.00263158 |
| ND<0.1 U (12/17/2020) | 0.15 (11/19/2015) | (0.1 - 0.15)/(32 - 12) | -0.0025 |
| ND<0.1 U (3/18/2021) | 0.15 (11/19/2015) | (0.1 - 0.15)/(33 - 12) | -0.00238095 |
| ND<0.1 U (5/5/2021) | 0.15 (11/19/2015) | (0.1 - 0.15)/(34 - 12) | -0.00227273 |
| ND<0.1 U (9/2/2021) | 0.15 (11/19/2015) | (0.1 - 0.15)/(35 - 12) | -0.00217391 |
| ND<0.1 U (11/23/2021) | 0.15 (11/19/2015) | (0.1 - 0.15)/(36 - 12) | -0.00208333 |
| ND<0.1 U (1/10/2022) | 0.15 (11/19/2015) | (0.1 - 0.15)/(37 - 12) | -0.002 |
| ND<0.1 U (4/7/2022) | 0.15 (11/19/2015) | (0.1 - 0.15)/(38 - 12) | -0.00192308 |
| 0.142 (8/3/2022) | 0.15 (11/19/2015) | (0.142 - 0.15)/(39 - 12) | -0.000296296 |
| ND<0.1 U (11/16/2022) | 0.15 (11/19/2015) | (0.1 - 0.15)/(40 - 12) | -0.00178571 |
| ND<0.1 U (2/13/2023) | 0.15 (11/19/2015) | (0.1 - 0.15)/(41 - 12) | -0.00172414 |
| 0.372 (5/24/2023) | 0.15 (11/19/2015) | (0.372 - 0.15)/(42 - 12) | 0.0074 |
| 0.0945 (8/7/2023) | 0.15 (11/19/2015) | (0.0945 - 0.15)/(43 - 12) | -0.00179032 |
| 0.0233 (12/12/2023) | 0.15 (11/19/2015) | (0.0233 - 0.15)/(44 - 12) | -0.00395937 |
| 0.0611 (1/10/2024) | 0.15 (11/19/2015) | (0.0611 - 0.15)/(45 - 12) | -0.00269394 |
| 0.0698 (5/20/2024) | 0.15 (11/19/2015) | (0.0698 - 0.15)/(46 - 12) | -0.00235882 |
| 0.126 (9/16/2024) | 0.15 (11/19/2015) | (0.126 - 0.15)/(47 - 12) | -0.000685714 |
| 0.088 (12/11/2024) | 0.15 (11/19/2015) | (0.088 - 0.15)/(48 - 12) | -0.00172222 |
| 0.116 (2/18/2025) | 0.15 (11/19/2015) | (0.116 - 0.15)/(49 - 12) | -0.000918919 |
| | | | |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(14 - 13) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(15 - 13) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(16 - 13) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (3/15/2016) | (0.12 - 0.1)/(17 - 13) | 0.005 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(18 - 13) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(19 - 13) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(20 - 13) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(21 - 13) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(22 - 13) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (3/15/2016) | (0.286 - 0.1)/(23 - 13) | 0.0186 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(24 - 13) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (3/15/2016) | (0.121 - 0.1)/(26 - 13) | 0.00161538 |
| 0.103 (8/28/2019) | ND<0.1 U (3/15/2016) | (0.103 - 0.1)/(27 - 13) | 0.000214286 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(28 - 13) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (3/15/2016) | (0.167 - 0.1)/(29 - 13) | 0.0041875 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(30 - 13) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(30 - 13) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(34 - 13) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(35 - 13) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(36 - 13) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(37 - 13) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(38 - 13) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (3/15/2016) | (0.142 - 0.1)/(39 - 13) | 0.00161538 |

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|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (3/15/2016) | (0.372 - 0.1)/(42 - 13) | 0.00937931 |
| 0.0945 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.0945 - 0.1)/(43 - 13) | -0.000183333 |
| 0.0233 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.0233 - 0.1)/(44 - 13) | -0.00247419 |
| 0.0611 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.0611 - 0.1)/(45 - 13) | -0.00121563 |
| 0.0698 (5/20/2024) | ND<0.1 U (3/15/2016) | (0.0698 - 0.1)/(46 - 13) | -0.000915152 |
| 0.126 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.126 - 0.1)/(47 - 13) | 0.000764706 |
| 0.088 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.088 - 0.1)/(48 - 13) | -0.000342857 |
| 0.116 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.116 - 0.1)/(49 - 13) | 0.000444444 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(17 - 14) | 0.00666667 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.286 - 0.1)/(23 - 14) | 0.0206667 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (6/29/2016) | (0.121 - 0.1)/(26 - 14) | 0.00175 |
| 0.103 (8/28/2019) | ND<0.1 U (6/29/2016) | (0.103 - 0.1)/(27 - 14) | 0.000230769 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.167 - 0.1)/(29 - 14) | 0.00446667 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(38 - 14) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (6/29/2016) | (0.142 - 0.1)/(39 - 14) | 0.00168 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.372 - 0.1)/(42 - 14) | 0.00971429 |
| 0.0945 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.0945 - 0.1)/(43 - 14) | -0.000189655 |
| 0.0233 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.0233 - 0.1)/(44 - 14) | -0.00255667 |
| 0.0611 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.0611 - 0.1)/(45 - 14) | -0.00125484 |
| 0.0698 (5/20/2024) | ND<0.1 U (6/29/2016) | (0.0698 - 0.1)/(46 - 14) | -0.00094375 |
| 0.126 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.126 - 0.1)/(47 - 14) | 0.000787879 |
| 0.088 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.088 - 0.1)/(48 - 14) | -0.000352941 |
| 0.116 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.116 - 0.1)/(49 - 14) | 0.000457143 |
| | | | |
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| 0.12 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(17 - 15) | 0.01 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (8/9/2016) | (0.286 - 0.1)/(23 - 15) | 0.02325 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (8/9/2016) | (0.121 - 0.1)/(26 - 15) | 0.00190909 |
| 0.103 (8/28/2019) | ND<0.1 U (8/9/2016) | (0.103 - 0.1)/(27 - 15) | 0.00025 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.167 - 0.1)/(29 - 15) | 0.00478571 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(38 - 15) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (8/9/2016) | (0.142 - 0.1)/(39 - 15) | 0.00175 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (8/9/2016) | (0.372 - 0.1)/(42 - 15) | 0.0100741 |
| 0.0945 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.0945 - 0.1)/(43 - 15) | -0.000196429 |
| 0.0233 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.0233 - 0.1)/(44 - 15) | -0.00264483 |
| 0.0611 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.0611 - 0.1)/(45 - 15) | -0.00129667 |
| 0.0698 (5/20/2024) | ND<0.1 U (8/9/2016) | (0.0698 - 0.1)/(46 - 15) | -0.000974194 |
| 0.126 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.126 - 0.1)/(47 - 15) | 0.0008125 |
| 0.088 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.088 - 0.1)/(48 - 15) | -0.000363636 |
| 0.116 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.116 - 0.1)/(49 - 15) | 0.000470588 |
| | | | |
| 0.12 (3/2/2017) | ND<0.1 U (12/7/2016) | (0.12 - 0.1)/(17 - 16) | 0.02 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(18 - 16) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(19 - 16) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(20 - 16) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(21 - 16) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (12/7/2016) | (0.286 - 0.1)/(23 - 16) | 0.0265714 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(24 - 16) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(25 - 16) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (12/7/2016) | (0.121 - 0.1)/(26 - 16) | 0.0021 |
| 0.103 (8/28/2019) | ND<0.1 U (12/7/2016) | (0.103 - 0.1)/(27 - 16) | 0.000272727 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(28 - 16) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (12/7/2016) | (0.167 - 0.1)/(29 - 16) | 0.00515385 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(31 - 16) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(32 - 16) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(33 - 16) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(34 - 16) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(35 - 16) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(36 - 16) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(37 - 16) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(38 - 16) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (12/7/2016) | (0.142 - 0.1)/(39 - 16) | 0.00182609 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(41 - 16) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (12/7/2016) | (0.372 - 0.1)/(42 - 16) | 0.0104615 |
| 0.0945 (8/7/2023) | ND<0.1 U (12/7/2016) | (0.0945 - 0.1)/(43 - 16) | -0.000203704 |
| 0.0233 (12/12/2023) | ND<0.1 U (12/7/2016) | (0.0233 - 0.1)/(44 - 16) | -0.00273929 |
| 0.0611 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.0611 - 0.1)/(45 - 16) | -0.00134138 |

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|---|---|---|---|
| 0.0698 (5/20/2024) | ND<0.1 U (12/7/2016) | (0.0698 - 0.1)/(46 - 16) | -0.00100667 |
| 0.126 (9/16/2024) | ND<0.1 U (12/7/2016) | (0.126 - 0.1)/(47 - 16) | 0.00083871 |
| 0.088 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.088 - 0.1)/(48 - 16) | -0.000375 |
| 0.116 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.116 - 0.1)/(49 - 16) | 0.000484848 |
| | | | |
| ND<0.1 U (6/21/2017) | 0.12 (3/2/2017) | (0.1 - 0.12)/(18 - 17) | -0.02 |
| ND<0.1 U (8/17/2017) | 0.12 (3/2/2017) | (0.1 - 0.12)/(19 - 17) | -0.01 |
| ND<0.1 U (10/26/2017) | 0.12 (3/2/2017) | (0.1 - 0.12)/(20 - 17) | -0.00666667 |
| ND<0.1 U (3/27/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(21 - 17) | -0.005 |
| ND<0.1 U (6/26/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(22 - 17) | -0.004 |
| 0.286 (8/1/2018) | 0.12 (3/2/2017) | (0.286 - 0.12)/(23 - 17) | 0.0276667 |
| ND<0.1 U (12/11/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(24 - 17) | -0.00285714 |
| ND<0.1 U (4/17/2019) | 0.12 (3/2/2017) | (0.1 - 0.12)/(25 - 17) | -0.0025 |
| 0.121 (6/11/2019) | 0.12 (3/2/2017) | (0.121 - 0.12)/(26 - 17) | 0.000111111 |
| 0.103 (8/28/2019) | 0.12 (3/2/2017) | (0.103 - 0.12)/(27 - 17) | -0.0017 |
| ND<0.1 U (10/28/2019) | 0.12 (3/2/2017) | (0.1 - 0.12)/(28 - 17) | -0.00181818 |
| 0.167 (3/31/2020) | 0.12 (3/2/2017) | (0.167 - 0.12)/(29 - 17) | 0.00391667 |
| ND<0.1 U (6/10/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(30 - 17) | -0.00153846 |
| ND<0.1 U (6/10/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(30 - 17) | -0.00153846 |
| ND<0.1 U (9/21/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(31 - 17) | -0.00142857 |
| ND<0.1 U (12/17/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(32 - 17) | -0.00133333 |
| ND<0.1 U (3/18/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(33 - 17) | -0.00125 |
| ND<0.1 U (5/5/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(34 - 17) | -0.00117647 |
| ND<0.1 U (9/2/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(35 - 17) | -0.00111111 |
| ND<0.1 U (11/23/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(36 - 17) | -0.00105263 |
| ND<0.1 U (1/10/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(37 - 17) | -0.001 |
| ND<0.1 U (4/7/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(38 - 17) | -0.000952381 |
| 0.142 (8/3/2022) | 0.12 (3/2/2017) | (0.142 - 0.12)/(39 - 17) | 0.001 |
| ND<0.1 U (11/16/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(40 - 17) | -0.000869565 |
| ND<0.1 U (2/13/2023) | 0.12 (3/2/2017) | (0.1 - 0.12)/(41 - 17) | -0.000833333 |
| 0.372 (5/24/2023) | 0.12 (3/2/2017) | (0.372 - 0.12)/(42 - 17) | 0.01008 |
| 0.0945 (8/7/2023) | 0.12 (3/2/2017) | (0.0945 - 0.12)/(43 - 17) | -0.000980769 |
| 0.0233 (12/12/2023) | 0.12 (3/2/2017) | (0.0233 - 0.12)/(44 - 17) | -0.00358148 |
| 0.0611 (1/10/2024) | 0.12 (3/2/2017) | (0.0611 - 0.12)/(45 - 17) | -0.00210357 |
| 0.0698 (5/20/2024) | 0.12 (3/2/2017) | (0.0698 - 0.12)/(46 - 17) | -0.00173103 |
| 0.126 (9/16/2024) | 0.12 (3/2/2017) | (0.126 - 0.12)/(47 - 17) | 0.0002 |
| 0.088 (12/11/2024) | 0.12 (3/2/2017) | (0.088 - 0.12)/(48 - 17) | -0.00103226 |
| 0.116 (2/18/2025) | 0.12 (3/2/2017) | (0.116 - 0.12)/(49 - 17) | -0.000125 |
| | | | |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (6/21/2017) | (0.286 - 0.1)/(23 - 18) | 0.0372 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(24 - 18) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (6/21/2017) | (0.121 - 0.1)/(26 - 18) | 0.002625 |
| 0.103 (8/28/2019) | ND<0.1 U (6/21/2017) | (0.103 - 0.1)/(27 - 18) | 0.000333333 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(28 - 18) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.167 - 0.1)/(29 - 18) | 0.00609091 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(35 - 18) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(38 - 18) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (6/21/2017) | (0.142 - 0.1)/(39 - 18) | 0.002 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (6/21/2017) | (0.372 - 0.1)/(42 - 18) | 0.0113333 |
| 0.0945 (8/7/2023) | ND<0.1 U (6/21/2017) | (0.0945 - 0.1)/(43 - 18) | -0.00022 |
| 0.0233 (12/12/2023) | ND<0.1 U (6/21/2017) | (0.0233 - 0.1)/(44 - 18) | -0.00295 |
| 0.0611 (1/10/2024) | ND<0.1 U (6/21/2017) | (0.0611 - 0.1)/(45 - 18) | -0.00144074 |
| 0.0698 (5/20/2024) | ND<0.1 U (6/21/2017) | (0.0698 - 0.1)/(46 - 18) | -0.00107857 |
| 0.126 (9/16/2024) | ND<0.1 U (6/21/2017) | (0.126 - 0.1)/(47 - 18) | 0.000896552 |
| 0.088 (12/11/2024) | ND<0.1 U (6/21/2017) | (0.088 - 0.1)/(48 - 18) | -0.0004 |
| 0.116 (2/18/2025) | ND<0.1 U (6/21/2017) | (0.116 - 0.1)/(49 - 18) | 0.000516129 |
| | | | |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(21 - 19) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(22 - 19) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.286 - 0.1)/(23 - 19) | 0.0465 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(24 - 19) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (8/17/2017) | (0.121 - 0.1)/(26 - 19) | 0.003 |
| 0.103 (8/28/2019) | ND<0.1 U (8/17/2017) | (0.103 - 0.1)/(27 - 19) | 0.000375 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.167 - 0.1)/(29 - 19) | 0.0067 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(34 - 19) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(37 - 19) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(38 - 19) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (8/17/2017) | (0.142 - 0.1)/(39 - 19) | 0.0021 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (8/17/2017) | (0.372 - 0.1)/(42 - 19) | 0.0118261 |
| 0.0945 (8/7/2023) | ND<0.1 U (8/17/2017) | (0.0945 - 0.1)/(43 - 19) | -0.000229167 |
| 0.0233 (12/12/2023) | ND<0.1 U (8/17/2017) | (0.0233 - 0.1)/(44 - 19) | -0.003068 |
| 0.0611 (1/10/2024) | ND<0.1 U (8/17/2017) | (0.0611 - 0.1)/(45 - 19) | -0.00149615 |
| 0.0698 (5/20/2024) | ND<0.1 U (8/17/2017) | (0.0698 - 0.1)/(46 - 19) | -0.00111852 |
| 0.126 (9/16/2024) | ND<0.1 U (8/17/2017) | (0.126 - 0.1)/(47 - 19) | 0.000928571 |
| 0.088 (12/11/2024) | ND<0.1 U (8/17/2017) | (0.088 - 0.1)/(48 - 19) | -0.000413793 |
| 0.116 (2/18/2025) | ND<0.1 U (8/17/2017) | (0.116 - 0.1)/(49 - 19) | 0.000533333 |
| | | | |
| ND<0.1 U (3/27/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(21 - 20) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (10/26/2017) | (0.286 - 0.1)/(23 - 20) | 0.062 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(24 - 20) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (10/26/2017) | (0.121 - 0.1)/(26 - 20) | 0.0035 |
| 0.103 (8/28/2019) | ND<0.1 U (10/26/2017) | (0.103 - 0.1)/(27 - 20) | 0.000428571 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(28 - 20) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (10/26/2017) | (0.167 - 0.1)/(29 - 20) | 0.00744444 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(30 - 20) | 0 |

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|---|---|---|---|
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(33 - 20) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(34 - 20) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(36 - 20) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(37 - 20) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(38 - 20) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (10/26/2017) | (0.142 - 0.1)/(39 - 20) | 0.00221053 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (10/26/2017) | (0.372 - 0.1)/(42 - 20) | 0.0123636 |
| 0.0945 (8/7/2023) | ND<0.1 U (10/26/2017) | (0.0945 - 0.1)/(43 - 20) | -0.00023913 |
| 0.0233 (12/12/2023) | ND<0.1 U (10/26/2017) | (0.0233 - 0.1)/(44 - 20) | -0.00319583 |
| 0.0611 (1/10/2024) | ND<0.1 U (10/26/2017) | (0.0611 - 0.1)/(45 - 20) | -0.001556 |
| 0.0698 (5/20/2024) | ND<0.1 U (10/26/2017) | (0.0698 - 0.1)/(46 - 20) | -0.00116154 |
| 0.126 (9/16/2024) | ND<0.1 U (10/26/2017) | (0.126 - 0.1)/(47 - 20) | 0.000962963 |
| 0.088 (12/11/2024) | ND<0.1 U (10/26/2017) | (0.088 - 0.1)/(48 - 20) | -0.000428571 |
| 0.116 (2/18/2025) | ND<0.1 U (10/26/2017) | (0.116 - 0.1)/(49 - 20) | 0.000551724 |
| | | | |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(22 - 21) | 0 |
| 0.286 (8/1/2018) | ND<0.1 U (3/27/2018) | (0.286 - 0.1)/(23 - 21) | 0.093 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(24 - 21) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (3/27/2018) | (0.121 - 0.1)/(26 - 21) | 0.0042 |
| 0.103 (8/28/2019) | ND<0.1 U (3/27/2018) | (0.103 - 0.1)/(27 - 21) | 0.0005 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(28 - 21) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (3/27/2018) | (0.167 - 0.1)/(29 - 21) | 0.008375 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(31 - 21) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(35 - 21) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(36 - 21) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(38 - 21) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (3/27/2018) | (0.142 - 0.1)/(39 - 21) | 0.00233333 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (3/27/2018) | (0.372 - 0.1)/(42 - 21) | 0.0129524 |
| 0.0945 (8/7/2023) | ND<0.1 U (3/27/2018) | (0.0945 - 0.1)/(43 - 21) | -0.00025 |
| 0.0233 (12/12/2023) | ND<0.1 U (3/27/2018) | (0.0233 - 0.1)/(44 - 21) | -0.00333478 |
| 0.0611 (1/10/2024) | ND<0.1 U (3/27/2018) | (0.0611 - 0.1)/(45 - 21) | -0.00162083 |
| 0.0698 (5/20/2024) | ND<0.1 U (3/27/2018) | (0.0698 - 0.1)/(46 - 21) | -0.001208 |
| 0.126 (9/16/2024) | ND<0.1 U (3/27/2018) | (0.126 - 0.1)/(47 - 21) | 0.001 |
| 0.088 (12/11/2024) | ND<0.1 U (3/27/2018) | (0.088 - 0.1)/(48 - 21) | -0.000444444 |
| 0.116 (2/18/2025) | ND<0.1 U (3/27/2018) | (0.116 - 0.1)/(49 - 21) | 0.000571429 |
| | | | |
| 0.286 (8/1/2018) | ND<0.1 U (6/26/2018) | (0.286 - 0.1)/(23 - 22) | 0.186 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(24 - 22) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (6/26/2018) | (0.121 - 0.1)/(26 - 22) | 0.00525 |
| 0.103 (8/28/2019) | ND<0.1 U (6/26/2018) | (0.103 - 0.1)/(27 - 22) | 0.0006 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(28 - 22) | 0 |

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|---|---|---|---|
| 0.167 (3/31/2020) | ND<0.1 U (6/26/2018) | (0.167 - 0.1)/(29 - 22) | 0.00957143 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(37 - 22) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(38 - 22) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (6/26/2018) | (0.142 - 0.1)/(39 - 22) | 0.00247059 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(41 - 22) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (6/26/2018) | (0.372 - 0.1)/(42 - 22) | 0.0136 |
| 0.0945 (8/7/2023) | ND<0.1 U (6/26/2018) | (0.0945 - 0.1)/(43 - 22) | -0.000261905 |
| 0.0233 (12/12/2023) | ND<0.1 U (6/26/2018) | (0.0233 - 0.1)/(44 - 22) | -0.00348636 |
| 0.0611 (1/10/2024) | ND<0.1 U (6/26/2018) | (0.0611 - 0.1)/(45 - 22) | -0.0016913 |
| 0.0698 (5/20/2024) | ND<0.1 U (6/26/2018) | (0.0698 - 0.1)/(46 - 22) | -0.00125833 |
| 0.126 (9/16/2024) | ND<0.1 U (6/26/2018) | (0.126 - 0.1)/(47 - 22) | 0.00104 |
| 0.088 (12/11/2024) | ND<0.1 U (6/26/2018) | (0.088 - 0.1)/(48 - 22) | -0.000461538 |
| 0.116 (2/18/2025) | ND<0.1 U (6/26/2018) | (0.116 - 0.1)/(49 - 22) | 0.000592593 |

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|---|---|---|---|
| ND<0.1 U (12/11/2018) | 0.286 (8/1/2018) | (0.1 - 0.286)/(24 - 23) | -0.186 |
| ND<0.1 U (4/17/2019) | 0.286 (8/1/2018) | (0.1 - 0.286)/(25 - 23) | -0.093 |
| 0.121 (6/11/2019) | 0.286 (8/1/2018) | (0.121 - 0.286)/(26 - 23) | -0.055 |
| 0.103 (8/28/2019) | 0.286 (8/1/2018) | (0.103 - 0.286)/(27 - 23) | -0.04575 |
| ND<0.1 U (10/28/2019) | 0.286 (8/1/2018) | (0.1 - 0.286)/(28 - 23) | -0.0372 |
| 0.167 (3/31/2020) | 0.286 (8/1/2018) | (0.167 - 0.286)/(29 - 23) | -0.0198333 |
| ND<0.1 U (6/10/2020) | 0.286 (8/1/2018) | (0.1 - 0.286)/(30 - 23) | -0.0265714 |
| ND<0.1 U (6/10/2020) | 0.286 (8/1/2018) | (0.1 - 0.286)/(30 - 23) | -0.0265714 |
| ND<0.1 U (9/21/2020) | 0.286 (8/1/2018) | (0.1 - 0.286)/(31 - 23) | -0.02325 |
| ND<0.1 U (12/17/2020) | 0.286 (8/1/2018) | (0.1 - 0.286)/(32 - 23) | -0.0206667 |
| ND<0.1 U (3/18/2021) | 0.286 (8/1/2018) | (0.1 - 0.286)/(33 - 23) | -0.0186 |
| ND<0.1 U (5/5/2021) | 0.286 (8/1/2018) | (0.1 - 0.286)/(34 - 23) | -0.0169091 |
| ND<0.1 U (9/2/2021) | 0.286 (8/1/2018) | (0.1 - 0.286)/(35 - 23) | -0.0155 |
| ND<0.1 U (11/23/2021) | 0.286 (8/1/2018) | (0.1 - 0.286)/(36 - 23) | -0.0143077 |
| ND<0.1 U (1/10/2022) | 0.286 (8/1/2018) | (0.1 - 0.286)/(37 - 23) | -0.0132857 |
| ND<0.1 U (4/7/2022) | 0.286 (8/1/2018) | (0.1 - 0.286)/(38 - 23) | -0.0124 |
| 0.142 (8/3/2022) | 0.286 (8/1/2018) | (0.142 - 0.286)/(39 - 23) | -0.009 |
| ND<0.1 U (11/16/2022) | 0.286 (8/1/2018) | (0.1 - 0.286)/(40 - 23) | -0.0109412 |
| ND<0.1 U (2/13/2023) | 0.286 (8/1/2018) | (0.1 - 0.286)/(41 - 23) | -0.0103333 |
| 0.372 (5/24/2023) | 0.286 (8/1/2018) | (0.372 - 0.286)/(42 - 23) | 0.00452632 |
| 0.0945 (8/7/2023) | 0.286 (8/1/2018) | (0.0945 - 0.286)/(43 - 23) | -0.009575 |
| 0.0233 (12/12/2023) | 0.286 (8/1/2018) | (0.0233 - 0.286)/(44 - 23) | -0.0125095 |
| 0.0611 (1/10/2024) | 0.286 (8/1/2018) | (0.0611 - 0.286)/(45 - 23) | -0.0102227 |
| 0.0698 (5/20/2024) | 0.286 (8/1/2018) | (0.0698 - 0.286)/(46 - 23) | -0.0094 |
| 0.126 (9/16/2024) | 0.286 (8/1/2018) | (0.126 - 0.286)/(47 - 23) | -0.00666667 |
| 0.088 (12/11/2024) | 0.286 (8/1/2018) | (0.088 - 0.286)/(48 - 23) | -0.00792 |
| 0.116 (2/18/2025) | 0.286 (8/1/2018) | (0.116 - 0.286)/(49 - 23) | -0.00653846 |

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|---|---|---|---|
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(25 - 24) | 0 |
| 0.121 (6/11/2019) | ND<0.1 U (12/11/2018) | (0.121 - 0.1)/(26 - 24) | 0.0105 |
| 0.103 (8/28/2019) | ND<0.1 U (12/11/2018) | (0.103 - 0.1)/(27 - 24) | 0.001 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(28 - 24) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (12/11/2018) | (0.167 - 0.1)/(29 - 24) | 0.0134 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(30 - 24) | 0 |

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|---|---|---|---|
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(30 - 24) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(31 - 24) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(33 - 24) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(34 - 24) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(35 - 24) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(36 - 24) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(37 - 24) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(38 - 24) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (12/11/2018) | (0.142 - 0.1)/(39 - 24) | 0.0028 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(41 - 24) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (12/11/2018) | (0.372 - 0.1)/(42 - 24) | 0.0151111 |
| 0.0945 (8/7/2023) | ND<0.1 U (12/11/2018) | (0.0945 - 0.1)/(43 - 24) | -0.000289474 |
| 0.0233 (12/12/2023) | ND<0.1 U (12/11/2018) | (0.0233 - 0.1)/(44 - 24) | -0.003835 |
| 0.0611 (1/10/2024) | ND<0.1 U (12/11/2018) | (0.0611 - 0.1)/(45 - 24) | -0.00185238 |
| 0.0698 (5/20/2024) | ND<0.1 U (12/11/2018) | (0.0698 - 0.1)/(46 - 24) | -0.00137273 |
| 0.126 (9/16/2024) | ND<0.1 U (12/11/2018) | (0.126 - 0.1)/(47 - 24) | 0.00113043 |
| 0.088 (12/11/2024) | ND<0.1 U (12/11/2018) | (0.088 - 0.1)/(48 - 24) | -0.0005 |
| 0.116 (2/18/2025) | ND<0.1 U (12/11/2018) | (0.116 - 0.1)/(49 - 24) | 0.00064 |
| | | | |
| 0.121 (6/11/2019) | ND<0.1 U (4/17/2019) | (0.121 - 0.1)/(26 - 25) | 0.021 |
| 0.103 (8/28/2019) | ND<0.1 U (4/17/2019) | (0.103 - 0.1)/(27 - 25) | 0.0015 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(28 - 25) | 0 |
| 0.167 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.167 - 0.1)/(29 - 25) | 0.01675 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(35 - 25) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(36 - 25) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(38 - 25) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (4/17/2019) | (0.142 - 0.1)/(39 - 25) | 0.003 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (4/17/2019) | (0.372 - 0.1)/(42 - 25) | 0.016 |
| 0.0945 (8/7/2023) | ND<0.1 U (4/17/2019) | (0.0945 - 0.1)/(43 - 25) | -0.000305556 |
| 0.0233 (12/12/2023) | ND<0.1 U (4/17/2019) | (0.0233 - 0.1)/(44 - 25) | -0.00403684 |
| 0.0611 (1/10/2024) | ND<0.1 U (4/17/2019) | (0.0611 - 0.1)/(45 - 25) | -0.001945 |
| 0.0698 (5/20/2024) | ND<0.1 U (4/17/2019) | (0.0698 - 0.1)/(46 - 25) | -0.0014381 |
| 0.126 (9/16/2024) | ND<0.1 U (4/17/2019) | (0.126 - 0.1)/(47 - 25) | 0.00118182 |
| 0.088 (12/11/2024) | ND<0.1 U (4/17/2019) | (0.088 - 0.1)/(48 - 25) | -0.000521739 |
| 0.116 (2/18/2025) | ND<0.1 U (4/17/2019) | (0.116 - 0.1)/(49 - 25) | 0.000666667 |
| | | | |
| 0.103 (8/28/2019) | 0.121 (6/11/2019) | (0.103 - 0.121)/(27 - 26) | -0.018 |
| ND<0.1 U (10/28/2019) | 0.121 (6/11/2019) | (0.1 - 0.121)/(28 - 26) | -0.0105 |
| 0.167 (3/31/2020) | 0.121 (6/11/2019) | (0.167 - 0.121)/(29 - 26) | 0.0153333 |
| ND<0.1 U (6/10/2020) | 0.121 (6/11/2019) | (0.1 - 0.121)/(30 - 26) | -0.00525 |
| ND<0.1 U (6/10/2020) | 0.121 (6/11/2019) | (0.1 - 0.121)/(30 - 26) | -0.00525 |
| ND<0.1 U (9/21/2020) | 0.121 (6/11/2019) | (0.1 - 0.121)/(31 - 26) | -0.0042 |
| ND<0.1 U (12/17/2020) | 0.121 (6/11/2019) | (0.1 - 0.121)/(32 - 26) | -0.0035 |
| ND<0.1 U (3/18/2021) | 0.121 (6/11/2019) | (0.1 - 0.121)/(33 - 26) | -0.003 |
| ND<0.1 U (5/5/2021) | 0.121 (6/11/2019) | (0.1 - 0.121)/(34 - 26) | -0.002625 |
| ND<0.1 U (9/2/2021) | 0.121 (6/11/2019) | (0.1 - 0.121)/(35 - 26) | -0.00233333 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | 0.121 (6/11/2019) | (0.1 - 0.121)/(36 - 26) | -0.0021 |
| ND<0.1 U (1/10/2022) | 0.121 (6/11/2019) | (0.1 - 0.121)/(37 - 26) | -0.00190909 |
| ND<0.1 U (4/7/2022) | 0.121 (6/11/2019) | (0.1 - 0.121)/(38 - 26) | -0.00175 |
| 0.142 (8/3/2022) | 0.121 (6/11/2019) | (0.142 - 0.121)/(39 - 26) | 0.00161538 |
| ND<0.1 U (11/16/2022) | 0.121 (6/11/2019) | (0.1 - 0.121)/(40 - 26) | -0.0015 |
| ND<0.1 U (2/13/2023) | 0.121 (6/11/2019) | (0.1 - 0.121)/(41 - 26) | -0.0014 |
| 0.372 (5/24/2023) | 0.121 (6/11/2019) | (0.372 - 0.121)/(42 - 26) | 0.0156875 |
| 0.0945 (8/7/2023) | 0.121 (6/11/2019) | (0.0945 - 0.121)/(43 - 26) | -0.00155882 |
| 0.0233 (12/12/2023) | 0.121 (6/11/2019) | (0.0233 - 0.121)/(44 - 26) | -0.00542778 |
| 0.0611 (1/10/2024) | 0.121 (6/11/2019) | (0.0611 - 0.121)/(45 - 26) | -0.00315263 |
| 0.0698 (5/20/2024) | 0.121 (6/11/2019) | (0.0698 - 0.121)/(46 - 26) | -0.00256 |
| 0.126 (9/16/2024) | 0.121 (6/11/2019) | (0.126 - 0.121)/(47 - 26) | 0.000238095 |
| 0.088 (12/11/2024) | 0.121 (6/11/2019) | (0.088 - 0.121)/(48 - 26) | -0.0015 |
| 0.116 (2/18/2025) | 0.121 (6/11/2019) | (0.116 - 0.121)/(49 - 26) | -0.000217391 |
| | | | |
| ND<0.1 U (10/28/2019) | 0.103 (8/28/2019) | (0.1 - 0.103)/(28 - 27) | -0.003 |
| 0.167 (3/31/2020) | 0.103 (8/28/2019) | (0.167 - 0.103)/(29 - 27) | 0.032 |
| ND<0.1 U (6/10/2020) | 0.103 (8/28/2019) | (0.1 - 0.103)/(30 - 27) | -0.001 |
| ND<0.1 U (6/10/2020) | 0.103 (8/28/2019) | (0.1 - 0.103)/(30 - 27) | -0.001 |
| ND<0.1 U (9/21/2020) | 0.103 (8/28/2019) | (0.1 - 0.103)/(31 - 27) | -0.00075 |
| ND<0.1 U (12/17/2020) | 0.103 (8/28/2019) | (0.1 - 0.103)/(32 - 27) | -0.0006 |
| ND<0.1 U (3/18/2021) | 0.103 (8/28/2019) | (0.1 - 0.103)/(33 - 27) | -0.0005 |
| ND<0.1 U (5/5/2021) | 0.103 (8/28/2019) | (0.1 - 0.103)/(34 - 27) | -0.000428571 |
| ND<0.1 U (9/2/2021) | 0.103 (8/28/2019) | (0.1 - 0.103)/(35 - 27) | -0.000375 |
| ND<0.1 U (11/23/2021) | 0.103 (8/28/2019) | (0.1 - 0.103)/(36 - 27) | -0.000333333 |
| ND<0.1 U (1/10/2022) | 0.103 (8/28/2019) | (0.1 - 0.103)/(37 - 27) | -0.0003 |
| ND<0.1 U (4/7/2022) | 0.103 (8/28/2019) | (0.1 - 0.103)/(38 - 27) | -0.000272727 |
| 0.142 (8/3/2022) | 0.103 (8/28/2019) | (0.142 - 0.103)/(39 - 27) | 0.00325 |
| ND<0.1 U (11/16/2022) | 0.103 (8/28/2019) | (0.1 - 0.103)/(40 - 27) | -0.000230769 |
| ND<0.1 U (2/13/2023) | 0.103 (8/28/2019) | (0.1 - 0.103)/(41 - 27) | -0.000214286 |
| 0.372 (5/24/2023) | 0.103 (8/28/2019) | (0.372 - 0.103)/(42 - 27) | 0.0179333 |
| 0.0945 (8/7/2023) | 0.103 (8/28/2019) | (0.0945 - 0.103)/(43 - 27) | -0.00053125 |
| 0.0233 (12/12/2023) | 0.103 (8/28/2019) | (0.0233 - 0.103)/(44 - 27) | -0.00468824 |
| 0.0611 (1/10/2024) | 0.103 (8/28/2019) | (0.0611 - 0.103)/(45 - 27) | -0.00232778 |
| 0.0698 (5/20/2024) | 0.103 (8/28/2019) | (0.0698 - 0.103)/(46 - 27) | -0.00174737 |
| 0.126 (9/16/2024) | 0.103 (8/28/2019) | (0.126 - 0.103)/(47 - 27) | 0.00115 |
| 0.088 (12/11/2024) | 0.103 (8/28/2019) | (0.088 - 0.103)/(48 - 27) | -0.000714286 |
| 0.116 (2/18/2025) | 0.103 (8/28/2019) | (0.116 - 0.103)/(49 - 27) | 0.000590909 |
| | | | |
| 0.167 (3/31/2020) | ND<0.1 U (10/28/2019) | (0.167 - 0.1)/(29 - 28) | 0.067 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(31 - 28) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(32 - 28) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(33 - 28) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(34 - 28) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(35 - 28) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(36 - 28) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(37 - 28) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(38 - 28) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (10/28/2019) | (0.142 - 0.1)/(39 - 28) | 0.00381818 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(40 - 28) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(41 - 28) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (10/28/2019) | (0.372 - 0.1)/(42 - 28) | 0.0194286 |
| 0.0945 (8/7/2023) | ND<0.1 U (10/28/2019) | (0.0945 - 0.1)/(43 - 28) | -0.000366667 |
| 0.0233 (12/12/2023) | ND<0.1 U (10/28/2019) | (0.0233 - 0.1)/(44 - 28) | -0.00479375 |
| 0.0611 (1/10/2024) | ND<0.1 U (10/28/2019) | (0.0611 - 0.1)/(45 - 28) | -0.00228824 |

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|---|---|---|---|
| 0.0698 (5/20/2024) | ND<0.1 U (10/28/2019) | (0.0698 - 0.1)/(46 - 28) | -0.00167778 |
| 0.126 (9/16/2024) | ND<0.1 U (10/28/2019) | (0.126 - 0.1)/(47 - 28) | 0.00136842 |
| 0.088 (12/11/2024) | ND<0.1 U (10/28/2019) | (0.088 - 0.1)/(48 - 28) | -0.0006 |
| 0.116 (2/18/2025) | ND<0.1 U (10/28/2019) | (0.116 - 0.1)/(49 - 28) | 0.000761905 |
| | | | |
| ND<0.1 U (6/10/2020) | 0.167 (3/31/2020) | (0.1 - 0.167)/(30 - 29) | -0.067 |
| ND<0.1 U (6/10/2020) | 0.167 (3/31/2020) | (0.1 - 0.167)/(30 - 29) | -0.067 |
| ND<0.1 U (9/21/2020) | 0.167 (3/31/2020) | (0.1 - 0.167)/(31 - 29) | -0.0335 |
| ND<0.1 U (12/17/2020) | 0.167 (3/31/2020) | (0.1 - 0.167)/(32 - 29) | -0.0223333 |
| ND<0.1 U (3/18/2021) | 0.167 (3/31/2020) | (0.1 - 0.167)/(33 - 29) | -0.01675 |
| ND<0.1 U (5/5/2021) | 0.167 (3/31/2020) | (0.1 - 0.167)/(34 - 29) | -0.0134 |
| ND<0.1 U (9/2/2021) | 0.167 (3/31/2020) | (0.1 - 0.167)/(35 - 29) | -0.0111667 |
| ND<0.1 U (11/23/2021) | 0.167 (3/31/2020) | (0.1 - 0.167)/(36 - 29) | -0.00957143 |
| ND<0.1 U (1/10/2022) | 0.167 (3/31/2020) | (0.1 - 0.167)/(37 - 29) | -0.008375 |
| ND<0.1 U (4/7/2022) | 0.167 (3/31/2020) | (0.1 - 0.167)/(38 - 29) | -0.00744444 |
| 0.142 (8/3/2022) | 0.167 (3/31/2020) | (0.142 - 0.167)/(39 - 29) | -0.0025 |
| ND<0.1 U (11/16/2022) | 0.167 (3/31/2020) | (0.1 - 0.167)/(40 - 29) | -0.00609091 |
| ND<0.1 U (2/13/2023) | 0.167 (3/31/2020) | (0.1 - 0.167)/(41 - 29) | -0.00558333 |
| 0.372 (5/24/2023) | 0.167 (3/31/2020) | (0.372 - 0.167)/(42 - 29) | 0.0157692 |
| 0.0945 (8/7/2023) | 0.167 (3/31/2020) | (0.0945 - 0.167)/(43 - 29) | -0.00517857 |
| 0.0233 (12/12/2023) | 0.167 (3/31/2020) | (0.0233 - 0.167)/(44 - 29) | -0.00958 |
| 0.0611 (1/10/2024) | 0.167 (3/31/2020) | (0.0611 - 0.167)/(45 - 29) | -0.00661875 |
| 0.0698 (5/20/2024) | 0.167 (3/31/2020) | (0.0698 - 0.167)/(46 - 29) | -0.00571765 |
| 0.126 (9/16/2024) | 0.167 (3/31/2020) | (0.126 - 0.167)/(47 - 29) | -0.00227778 |
| 0.088 (12/11/2024) | 0.167 (3/31/2020) | (0.088 - 0.167)/(48 - 29) | -0.00415789 |
| 0.116 (2/18/2025) | 0.167 (3/31/2020) | (0.116 - 0.167)/(49 - 29) | -0.00255 |
| | | | |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(30 - 30) | Same Date |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(32 - 30) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(34 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(38 - 30) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (6/10/2020) | (0.142 - 0.1)/(39 - 30) | 0.00466667 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.372 - 0.1)/(42 - 30) | 0.0226667 |
| 0.0945 (8/7/2023) | ND<0.1 U (6/10/2020) | (0.0945 - 0.1)/(43 - 30) | -0.000423077 |
| 0.0233 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.0233 - 0.1)/(44 - 30) | -0.00547857 |
| 0.0611 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.0611 - 0.1)/(45 - 30) | -0.00259333 |
| 0.0698 (5/20/2024) | ND<0.1 U (6/10/2020) | (0.0698 - 0.1)/(46 - 30) | -0.0018875 |
| 0.126 (9/16/2024) | ND<0.1 U (6/10/2020) | (0.126 - 0.1)/(47 - 30) | 0.00152941 |
| 0.088 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.088 - 0.1)/(48 - 30) | -0.000666667 |
| 0.116 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.116 - 0.1)/(49 - 30) | 0.000842105 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(32 - 30) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(34 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(38 - 30) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (6/10/2020) | (0.142 - 0.1)/(39 - 30) | 0.00466667 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.372 - 0.1)/(42 - 30) | 0.0226667 |
| 0.0945 (8/7/2023) | ND<0.1 U (6/10/2020) | (0.0945 - 0.1)/(43 - 30) | -0.000423077 |
| 0.0233 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.0233 - 0.1)/(44 - 30) | -0.00547857 |
| 0.0611 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.0611 - 0.1)/(45 - 30) | -0.00259333 |
| 0.0698 (5/20/2024) | ND<0.1 U (6/10/2020) | (0.0698 - 0.1)/(46 - 30) | -0.0018875 |
| 0.126 (9/16/2024) | ND<0.1 U (6/10/2020) | (0.126 - 0.1)/(47 - 30) | 0.00152941 |
| 0.088 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.088 - 0.1)/(48 - 30) | -0.000666667 |
| 0.116 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.116 - 0.1)/(49 - 30) | 0.000842105 |
| | | | |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(37 - 31) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(38 - 31) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (9/21/2020) | (0.142 - 0.1)/(39 - 31) | 0.00525 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (9/21/2020) | (0.372 - 0.1)/(42 - 31) | 0.0247273 |
| 0.0945 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.0945 - 0.1)/(43 - 31) | -0.000458333 |
| 0.0233 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.0233 - 0.1)/(44 - 31) | -0.0059 |
| 0.0611 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.0611 - 0.1)/(45 - 31) | -0.00277857 |
| 0.0698 (5/20/2024) | ND<0.1 U (9/21/2020) | (0.0698 - 0.1)/(46 - 31) | -0.00201333 |
| 0.126 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.126 - 0.1)/(47 - 31) | 0.001625 |
| 0.088 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.088 - 0.1)/(48 - 31) | -0.000705882 |
| 0.116 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.116 - 0.1)/(49 - 31) | 0.000888889 |
| | | | |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(35 - 32) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(36 - 32) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(38 - 32) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (12/17/2020) | (0.142 - 0.1)/(39 - 32) | 0.006 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (12/17/2020) | (0.372 - 0.1)/(42 - 32) | 0.0272 |
| 0.0945 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.0945 - 0.1)/(43 - 32) | -0.0005 |
| 0.0233 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0233 - 0.1)/(44 - 32) | -0.00639167 |
| 0.0611 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0611 - 0.1)/(45 - 32) | -0.00299231 |
| 0.0698 (5/20/2024) | ND<0.1 U (12/17/2020) | (0.0698 - 0.1)/(46 - 32) | -0.00215714 |
| 0.126 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.126 - 0.1)/(47 - 32) | 0.00173333 |
| 0.088 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.088 - 0.1)/(48 - 32) | -0.00075 |
| 0.116 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.116 - 0.1)/(49 - 32) | 0.000941176 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(35 - 33) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(36 - 33) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(37 - 33) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(38 - 33) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (3/18/2021) | (0.142 - 0.1)/(39 - 33) | 0.007 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (3/18/2021) | (0.372 - 0.1)/(42 - 33) | 0.0302222 |

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|---|---|---|---|
| 0.0945 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.0945 - 0.1)/(43 - 33) | -0.00055 |
| 0.0233 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0233 - 0.1)/(44 - 33) | -0.00697273 |
| 0.0611 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0611 - 0.1)/(45 - 33) | -0.00324167 |
| 0.0698 (5/20/2024) | ND<0.1 U (3/18/2021) | (0.0698 - 0.1)/(46 - 33) | -0.00232308 |
| 0.126 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.126 - 0.1)/(47 - 33) | 0.00185714 |
| 0.088 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.088 - 0.1)/(48 - 33) | -0.0008 |
| 0.116 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.116 - 0.1)/(49 - 33) | 0.001 |
| | | | |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(35 - 34) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(36 - 34) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(37 - 34) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(38 - 34) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (5/5/2021) | (0.142 - 0.1)/(39 - 34) | 0.0084 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (5/5/2021) | (0.372 - 0.1)/(42 - 34) | 0.034 |
| 0.0945 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.0945 - 0.1)/(43 - 34) | -0.000611111 |
| 0.0233 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.0233 - 0.1)/(44 - 34) | -0.00767 |
| 0.0611 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0611 - 0.1)/(45 - 34) | -0.00353636 |
| 0.0698 (5/20/2024) | ND<0.1 U (5/5/2021) | (0.0698 - 0.1)/(46 - 34) | -0.00251667 |
| 0.126 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.126 - 0.1)/(47 - 34) | 0.002 |
| 0.088 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.088 - 0.1)/(48 - 34) | -0.000857143 |
| 0.116 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.116 - 0.1)/(49 - 34) | 0.00106667 |
| | | | |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(36 - 35) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(37 - 35) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(38 - 35) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (9/2/2021) | (0.142 - 0.1)/(39 - 35) | 0.0105 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(41 - 35) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (9/2/2021) | (0.372 - 0.1)/(42 - 35) | 0.0388571 |
| 0.0945 (8/7/2023) | ND<0.1 U (9/2/2021) | (0.0945 - 0.1)/(43 - 35) | -0.0006875 |
| 0.0233 (12/12/2023) | ND<0.1 U (9/2/2021) | (0.0233 - 0.1)/(44 - 35) | -0.00852222 |
| 0.0611 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.0611 - 0.1)/(45 - 35) | -0.00389 |
| 0.0698 (5/20/2024) | ND<0.1 U (9/2/2021) | (0.0698 - 0.1)/(46 - 35) | -0.00274545 |
| 0.126 (9/16/2024) | ND<0.1 U (9/2/2021) | (0.126 - 0.1)/(47 - 35) | 0.00216667 |
| 0.088 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.088 - 0.1)/(48 - 35) | -0.000923077 |
| 0.116 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.116 - 0.1)/(49 - 35) | 0.00114286 |
| | | | |
| ND<0.1 U (1/10/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(37 - 36) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(38 - 36) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (11/23/2021) | (0.142 - 0.1)/(39 - 36) | 0.014 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(41 - 36) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (11/23/2021) | (0.372 - 0.1)/(42 - 36) | 0.0453333 |
| 0.0945 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.0945 - 0.1)/(43 - 36) | -0.000785714 |
| 0.0233 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.0233 - 0.1)/(44 - 36) | -0.0095875 |
| 0.0611 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0611 - 0.1)/(45 - 36) | -0.00432222 |
| 0.0698 (5/20/2024) | ND<0.1 U (11/23/2021) | (0.0698 - 0.1)/(46 - 36) | -0.00302 |
| 0.126 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.126 - 0.1)/(47 - 36) | 0.00236364 |
| 0.088 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.088 - 0.1)/(48 - 36) | -0.001 |
| 0.116 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.116 - 0.1)/(49 - 36) | 0.00123077 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(38 - 37) | 0 |
| 0.142 (8/3/2022) | ND<0.1 U (1/10/2022) | (0.142 - 0.1)/(39 - 37) | 0.021 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(41 - 37) | 0 |

| | | | |
|---|---|---|---|
| 0.372 (5/24/2023) | ND<0.1 U (1/10/2022) | (0.372 - 0.1)/(42 - 37) | 0.0544 |
| 0.0945 (8/7/2023) | ND<0.1 U (1/10/2022) | (0.0945 - 0.1)/(43 - 37) | -0.000916667 |
| 0.0233 (12/12/2023) | ND<0.1 U (1/10/2022) | (0.0233 - 0.1)/(44 - 37) | -0.0109571 |
| 0.0611 (1/10/2024) | ND<0.1 U (1/10/2022) | (0.0611 - 0.1)/(45 - 37) | -0.0048625 |
| 0.0698 (5/20/2024) | ND<0.1 U (1/10/2022) | (0.0698 - 0.1)/(46 - 37) | -0.00335556 |
| 0.126 (9/16/2024) | ND<0.1 U (1/10/2022) | (0.126 - 0.1)/(47 - 37) | 0.0026 |
| 0.088 (12/11/2024) | ND<0.1 U (1/10/2022) | (0.088 - 0.1)/(48 - 37) | -0.00109091 |
| 0.116 (2/18/2025) | ND<0.1 U (1/10/2022) | (0.116 - 0.1)/(49 - 37) | 0.00133333 |
| | | | |
| 0.142 (8/3/2022) | ND<0.1 U (4/7/2022) | (0.142 - 0.1)/(39 - 38) | 0.042 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(41 - 38) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (4/7/2022) | (0.372 - 0.1)/(42 - 38) | 0.068 |
| 0.0945 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.0945 - 0.1)/(43 - 38) | -0.0011 |
| 0.0233 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.0233 - 0.1)/(44 - 38) | -0.0127833 |
| 0.0611 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0611 - 0.1)/(45 - 38) | -0.00555714 |
| 0.0698 (5/20/2024) | ND<0.1 U (4/7/2022) | (0.0698 - 0.1)/(46 - 38) | -0.003775 |
| 0.126 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.126 - 0.1)/(47 - 38) | 0.00288889 |
| 0.088 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.088 - 0.1)/(48 - 38) | -0.0012 |
| 0.116 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.116 - 0.1)/(49 - 38) | 0.00145455 |
| | | | |
| ND<0.1 U (11/16/2022) | 0.142 (8/3/2022) | (0.1 - 0.142)/(40 - 39) | -0.042 |
| ND<0.1 U (2/13/2023) | 0.142 (8/3/2022) | (0.1 - 0.142)/(41 - 39) | -0.021 |
| 0.372 (5/24/2023) | 0.142 (8/3/2022) | (0.372 - 0.142)/(42 - 39) | 0.0766667 |
| 0.0945 (8/7/2023) | 0.142 (8/3/2022) | (0.0945 - 0.142)/(43 - 39) | -0.011875 |
| 0.0233 (12/12/2023) | 0.142 (8/3/2022) | (0.0233 - 0.142)/(44 - 39) | -0.02374 |
| 0.0611 (1/10/2024) | 0.142 (8/3/2022) | (0.0611 - 0.142)/(45 - 39) | -0.0134833 |
| 0.0698 (5/20/2024) | 0.142 (8/3/2022) | (0.0698 - 0.142)/(46 - 39) | -0.0103143 |
| 0.126 (9/16/2024) | 0.142 (8/3/2022) | (0.126 - 0.142)/(47 - 39) | -0.002 |
| 0.088 (12/11/2024) | 0.142 (8/3/2022) | (0.088 - 0.142)/(48 - 39) | -0.006 |
| 0.116 (2/18/2025) | 0.142 (8/3/2022) | (0.116 - 0.142)/(49 - 39) | -0.0026 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.372 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.372 - 0.1)/(42 - 40) | 0.136 |
| 0.0945 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0945 - 0.1)/(43 - 40) | -0.00183333 |
| 0.0233 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0233 - 0.1)/(44 - 40) | -0.019175 |
| 0.0611 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0611 - 0.1)/(45 - 40) | -0.00778 |
| 0.0698 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.0698 - 0.1)/(46 - 40) | -0.00503333 |
| 0.126 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.126 - 0.1)/(47 - 40) | 0.00371429 |
| 0.088 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.088 - 0.1)/(48 - 40) | -0.0015 |
| 0.116 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.116 - 0.1)/(49 - 40) | 0.00177778 |
| | | | |
| 0.372 (5/24/2023) | ND<0.1 U (2/13/2023) | (0.372 - 0.1)/(42 - 41) | 0.272 |
| 0.0945 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.0945 - 0.1)/(43 - 41) | -0.00275 |
| 0.0233 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.0233 - 0.1)/(44 - 41) | -0.0255667 |
| 0.0611 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.0611 - 0.1)/(45 - 41) | -0.009725 |
| 0.0698 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.0698 - 0.1)/(46 - 41) | -0.00604 |
| 0.126 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.126 - 0.1)/(47 - 41) | 0.00433333 |
| 0.088 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.088 - 0.1)/(48 - 41) | -0.00171429 |
| 0.116 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.116 - 0.1)/(49 - 41) | 0.002 |
| | | | |
| 0.0945 (8/7/2023) | 0.372 (5/24/2023) | (0.0945 - 0.372)/(43 - 42) | -0.2775 |
| 0.0233 (12/12/2023) | 0.372 (5/24/2023) | (0.0233 - 0.372)/(44 - 42) | -0.17435 |
| 0.0611 (1/10/2024) | 0.372 (5/24/2023) | (0.0611 - 0.372)/(45 - 42) | -0.103633 |
| 0.0698 (5/20/2024) | 0.372 (5/24/2023) | (0.0698 - 0.372)/(46 - 42) | -0.07555 |
| 0.126 (9/16/2024) | 0.372 (5/24/2023) | (0.126 - 0.372)/(47 - 42) | -0.0492 |
| 0.088 (12/11/2024) | 0.372 (5/24/2023) | (0.088 - 0.372)/(48 - 42) | -0.0473333 |

| | | | |
|---|---|---|---|
| 0.116 (2/18/2025) | 0.372 (5/24/2023) | (0.116 - 0.372)/(49 - 42) | -0.0365714 |
| 0.0233 (12/12/2023) | 0.0945 (8/7/2023) | (0.0233 - 0.0945)/(44 - 43) | -0.0712 |
| 0.0611 (1/10/2024) | 0.0945 (8/7/2023) | (0.0611 - 0.0945)/(45 - 43) | -0.0167 |
| 0.0698 (5/20/2024) | 0.0945 (8/7/2023) | (0.0698 - 0.0945)/(46 - 43) | -0.00823333 |
| 0.126 (9/16/2024) | 0.0945 (8/7/2023) | (0.126 - 0.0945)/(47 - 43) | 0.007875 |
| 0.088 (12/11/2024) | 0.0945 (8/7/2023) | (0.088 - 0.0945)/(48 - 43) | -0.0013 |
| 0.116 (2/18/2025) | 0.0945 (8/7/2023) | (0.116 - 0.0945)/(49 - 43) | 0.00358333 |
| 0.0611 (1/10/2024) | 0.0233 (12/12/2023) | (0.0611 - 0.0233)/(45 - 44) | 0.0378 |
| 0.0698 (5/20/2024) | 0.0233 (12/12/2023) | (0.0698 - 0.0233)/(46 - 44) | 0.02325 |
| 0.126 (9/16/2024) | 0.0233 (12/12/2023) | (0.126 - 0.0233)/(47 - 44) | 0.0342333 |
| 0.088 (12/11/2024) | 0.0233 (12/12/2023) | (0.088 - 0.0233)/(48 - 44) | 0.016175 |
| 0.116 (2/18/2025) | 0.0233 (12/12/2023) | (0.116 - 0.0233)/(49 - 44) | 0.01854 |
| 0.0698 (5/20/2024) | 0.0611 (1/10/2024) | (0.0698 - 0.0611)/(46 - 45) | 0.0087 |
| 0.126 (9/16/2024) | 0.0611 (1/10/2024) | (0.126 - 0.0611)/(47 - 45) | 0.03245 |
| 0.088 (12/11/2024) | 0.0611 (1/10/2024) | (0.088 - 0.0611)/(48 - 45) | 0.00896667 |
| 0.116 (2/18/2025) | 0.0611 (1/10/2024) | (0.116 - 0.0611)/(49 - 45) | 0.013725 |
| 0.126 (9/16/2024) | 0.0698 (5/20/2024) | (0.126 - 0.0698)/(47 - 46) | 0.0562 |
| 0.088 (12/11/2024) | 0.0698 (5/20/2024) | (0.088 - 0.0698)/(48 - 46) | 0.0091 |
| 0.116 (2/18/2025) | 0.0698 (5/20/2024) | (0.116 - 0.0698)/(49 - 46) | 0.0154 |
| 0.088 (12/11/2024) | 0.126 (9/16/2024) | (0.088 - 0.126)/(48 - 47) | -0.038 |
| 0.116 (2/18/2025) | 0.126 (9/16/2024) | (0.116 - 0.126)/(49 - 47) | -0.005 |
| 0.116 (2/18/2025) | 0.088 (12/11/2024) | (0.116 - 0.088)/(49 - 48) | 0.028 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.2775 |
| 2 | -0.186 |
| 3 | -0.17435 |
| 4 | -0.103633 |
| 5 | -0.093 |
| 6 | -0.07555 |
| 7 | -0.0712 |
| 8 | -0.067 |
| 9 | -0.067 |
| 10 | -0.055 |
| 11 | -0.05 |
| 12 | -0.0492 |
| 13 | -0.0473333 |
| 14 | -0.04575 |
| 15 | -0.042 |
| 16 | -0.038 |
| 17 | -0.0372 |
| 18 | -0.0365714 |
| 19 | -0.0335 |
| 20 | -0.03 |
| 21 | -0.0265714 |
| 22 | -0.0265714 |
| 23 | -0.0255667 |

| | |
|---|---|
| 24 | -0.025 |
| 25 | -0.02374 |
| 26 | -0.02325 |
| 27 | -0.0223333 |
| 28 | -0.021 |
| 29 | -0.0206667 |
| 30 | -0.02 |
| 31 | -0.02 |
| 32 | -0.0198333 |
| 33 | -0.019175 |
| 34 | -0.0186 |
| 35 | -0.018 |
| 36 | -0.0169091 |
| 37 | -0.01675 |
| 38 | -0.0167 |
| 39 | -0.0166667 |
| 40 | -0.0155 |
| 41 | -0.015 |
| 42 | -0.0143077 |
| 43 | -0.0134833 |
| 44 | -0.0134 |
| 45 | -0.0132857 |
| 46 | -0.0127833 |
| 47 | -0.0125095 |
| 48 | -0.0125 |
| 49 | -0.0124 |
| 50 | -0.011875 |
| 51 | -0.0111667 |
| 52 | -0.0109571 |
| 53 | -0.0109412 |
| 54 | -0.0105 |
| 55 | -0.0103333 |
| 56 | -0.0103143 |
| 57 | -0.0102227 |
| 58 | -0.01 |
| 59 | -0.01 |
| 60 | -0.01 |
| 61 | -0.009725 |
| 62 | -0.0095875 |
| 63 | -0.00958 |
| 64 | -0.009575 |
| 65 | -0.00957143 |
| 66 | -0.0094 |
| 67 | -0.009 |
| 68 | -0.00852222 |
| 69 | -0.008375 |
| 70 | -0.00833333 |
| 71 | -0.00823333 |
| 72 | -0.00792 |
| 73 | -0.00778 |
| 74 | -0.00767 |
| 75 | -0.00744444 |
| 76 | -0.00714286 |
| 77 | -0.00697273 |
| 78 | -0.00666667 |
| 79 | -0.00666667 |
| 80 | -0.00666667 |

| | |
|---|---|
| 81 | -0.00661875 |
| 82 | -0.00653846 |
| 83 | -0.00639167 |
| 84 | -0.00625 |
| 85 | -0.00609091 |
| 86 | -0.00604 |
| 87 | -0.006 |
| 88 | -0.006 |
| 89 | -0.006 |
| 90 | -0.0059 |
| 91 | -0.00571765 |
| 92 | -0.00558333 |
| 93 | -0.00555714 |
| 94 | -0.00555556 |
| 95 | -0.00547857 |
| 96 | -0.00547857 |
| 97 | -0.00542778 |
| 98 | -0.00525 |
| 99 | -0.00525 |
| 100 | -0.00517857 |
| 101 | -0.00503333 |
| 102 | -0.005 |
| 103 | -0.005 |
| 104 | -0.005 |
| 105 | -0.005 |
| 106 | -0.005 |
| 107 | -0.0048625 |
| 108 | -0.00479375 |
| 109 | -0.00468824 |
| 110 | -0.00432222 |
| 111 | -0.00428571 |
| 112 | -0.0042 |
| 113 | -0.00416667 |
| 114 | -0.00415789 |
| 115 | -0.00403684 |
| 116 | -0.004 |
| 117 | -0.004 |
| 118 | -0.00395937 |
| 119 | -0.00389 |
| 120 | -0.00384615 |
| 121 | -0.003835 |
| 122 | -0.003775 |
| 123 | -0.00375 |
| 124 | -0.00358148 |
| 125 | -0.00353636 |
| 126 | -0.0035 |
| 127 | -0.00348636 |
| 128 | -0.00335556 |
| 129 | -0.00333478 |
| 130 | -0.00333333 |
| 131 | -0.00324167 |
| 132 | -0.00319583 |
| 133 | -0.00315263 |
| 134 | -0.00313333 |
| 135 | -0.003125 |
| 136 | -0.003068 |
| 137 | -0.00302 |

| | |
|---|---|
| 138 | -0.003 |
| 139 | -0.003 |
| 140 | -0.003 |
| 141 | -0.00299231 |
| 142 | -0.00296389 |
| 143 | -0.00295 |
| 144 | -0.00285714 |
| 145 | -0.00285714 |
| 146 | -0.00277857 |
| 147 | -0.00277778 |
| 148 | -0.00277778 |
| 149 | -0.00275 |
| 150 | -0.00274545 |
| 151 | -0.00273929 |
| 152 | -0.00272727 |
| 153 | -0.00269394 |
| 154 | -0.00264483 |
| 155 | -0.00263158 |
| 156 | -0.002625 |
| 157 | -0.0026 |
| 158 | -0.00259333 |
| 159 | -0.00259333 |
| 160 | -0.00256 |
| 161 | -0.00255667 |
| 162 | -0.00255 |
| 163 | -0.00254474 |
| 164 | -0.00251667 |
| 165 | -0.0025 |
| 166 | -0.0025 |
| 167 | -0.0025 |
| 168 | -0.0025 |
| 169 | -0.0025 |
| 170 | -0.00247419 |
| 171 | -0.00238095 |
| 172 | -0.00235882 |
| 173 | -0.00233333 |
| 174 | -0.00232778 |
| 175 | -0.00232424 |
| 176 | -0.00232308 |
| 177 | -0.00230769 |
| 178 | -0.00228824 |
| 179 | -0.00227778 |
| 180 | -0.00227273 |
| 181 | -0.00225588 |
| 182 | -0.00222222 |
| 183 | -0.00219143 |
| 184 | -0.00217391 |
| 185 | -0.0021675 |
| 186 | -0.00215714 |
| 187 | -0.00214286 |
| 188 | -0.00210357 |
| 189 | -0.0021 |
| 190 | -0.00208333 |
| 191 | -0.00207297 |
| 192 | -0.00207143 |
| 193 | -0.00201333 |
| 194 | -0.002 |

| | |
|---|---|
| 195 | -0.002 |
| 196 | -0.002 |
| 197 | -0.002 |
| 198 | -0.00196667 |
| 199 | -0.001945 |
| 200 | -0.00192308 |
| 201 | -0.00190909 |
| 202 | -0.0018875 |
| 203 | -0.0018875 |
| 204 | -0.001875 |
| 205 | -0.00187073 |
| 206 | -0.00186216 |
| 207 | -0.00185238 |
| 208 | -0.00183333 |
| 209 | -0.00182619 |
| 210 | -0.00181818 |
| 211 | -0.00179032 |
| 212 | -0.00178571 |
| 213 | -0.00178372 |
| 214 | -0.00176471 |
| 215 | -0.00175 |
| 216 | -0.00174737 |
| 217 | -0.00173103 |
| 218 | -0.00172414 |
| 219 | -0.00172222 |
| 220 | -0.00171429 |
| 221 | -0.0017 |
| 222 | -0.0016913 |
| 223 | -0.00167778 |
| 224 | -0.00166667 |
| 225 | -0.00166667 |
| 226 | -0.00162083 |
| 227 | -0.00158421 |
| 228 | -0.00155882 |
| 229 | -0.001556 |
| 230 | -0.00153846 |
| 231 | -0.00153846 |
| 232 | -0.00153846 |
| 233 | -0.00151026 |
| 234 | -0.0015 |
| 235 | -0.0015 |
| 236 | -0.0015 |
| 237 | -0.0015 |
| 238 | -0.00149615 |
| 239 | -0.00144074 |
| 240 | -0.0014381 |
| 241 | -0.00142857 |
| 242 | -0.00142857 |
| 243 | -0.00142857 |
| 244 | -0.00142105 |
| 245 | -0.0014 |
| 246 | -0.00137273 |
| 247 | -0.00136364 |
| 248 | -0.00136364 |
| 249 | -0.00134138 |
| 250 | -0.00133333 |
| 251 | -0.00133333 |

| | |
|---|---|
| 252 | -0.00130435 |
| 253 | -0.0013 |
| 254 | -0.00129667 |
| 255 | -0.00125833 |
| 256 | -0.001255 |
| 257 | -0.00125484 |
| 258 | -0.00125 |
| 259 | -0.00125 |
| 260 | -0.00125 |
| 261 | -0.00121563 |
| 262 | -0.001208 |
| 263 | -0.0012 |
| 264 | -0.0012 |
| 265 | -0.00119268 |
| 266 | -0.00117647 |
| 267 | -0.00116154 |
| 268 | -0.00115385 |
| 269 | -0.00114412 |
| 270 | -0.00111852 |
| 271 | -0.00111143 |
| 272 | -0.00111111 |
| 273 | -0.00111111 |
| 274 | -0.00111111 |
| 275 | -0.00111111 |
| 276 | -0.00111111 |
| 277 | -0.0011 |
| 278 | -0.00109091 |
| 279 | -0.00108056 |
| 280 | -0.00107857 |
| 281 | -0.00107143 |
| 282 | -0.00105263 |
| 283 | -0.00105263 |
| 284 | -0.00105 |
| 285 | -0.00103448 |
| 286 | -0.00103226 |
| 287 | -0.00102368 |
| 288 | -0.00101429 |
| 289 | -0.00100667 |
| 290 | -0.001 |
| 291 | -0.001 |
| 292 | -0.001 |
| 293 | -0.001 |
| 294 | -0.001 |
| 295 | -0.001 |
| 296 | -0.000980769 |
| 297 | -0.000974194 |
| 298 | -0.0009725 |
| 299 | -0.000957143 |
| 300 | -0.000952381 |
| 301 | -0.00094375 |
| 302 | -0.0009375 |
| 303 | -0.00092619 |
| 304 | -0.000923077 |
| 305 | -0.000918919 |
| 306 | -0.000916667 |
| 307 | -0.000915152 |
| 308 | -0.000909091 |

| | |
|---|---|
| 309 | -0.000909091 |
| 310 | -0.000909091 |
| 311 | -0.000904651 |
| 312 | -0.000884091 |
| 313 | -0.000869565 |
| 314 | -0.000862857 |
| 315 | -0.000857143 |
| 316 | -0.000838889 |
| 317 | -0.000833333 |
| 318 | -0.000833333 |
| 319 | -0.000833333 |
| 320 | -0.000833333 |
| 321 | -0.000816216 |
| 322 | -0.000809524 |
| 323 | -0.0008 |
| 324 | -0.0008 |
| 325 | -0.000785714 |
| 326 | -0.000774359 |
| 327 | -0.000769231 |
| 328 | -0.000761905 |
| 329 | -0.00075 |
| 330 | -0.00075 |
| 331 | -0.000740741 |
| 332 | -0.000736585 |
| 333 | -0.000714286 |
| 334 | -0.000714286 |
| 335 | -0.000714286 |
| 336 | -0.000705882 |
| 337 | -0.000702326 |
| 338 | -0.000689655 |
| 339 | -0.000689189 |
| 340 | -0.0006875 |
| 341 | -0.000686364 |
| 342 | -0.000685714 |
| 343 | -0.000671111 |
| 344 | -0.000666667 |
| 345 | -0.000666667 |
| 346 | -0.000666667 |
| 347 | -0.000666667 |
| 348 | -0.000645161 |
| 349 | -0.000625 |
| 350 | -0.000625 |
| 351 | -0.000611111 |
| 352 | -0.0006 |
| 353 | -0.0006 |
| 354 | -0.000588235 |
| 355 | -0.000588235 |
| 356 | -0.000571429 |
| 357 | -0.000555556 |
| 358 | -0.00055 |
| 359 | -0.00053125 |
| 360 | -0.000521739 |
| 361 | -0.0005 |
| 362 | -0.0005 |
| 363 | -0.0005 |
| 364 | -0.0005 |
| 365 | -0.0005 |

| | |
|---|---|
| 366 | -0.0005 |
| 367 | -0.00047619 |
| 368 | -0.000461538 |
| 369 | -0.000458333 |
| 370 | -0.000444444 |
| 371 | -0.000428571 |
| 372 | -0.000428571 |
| 373 | -0.000423077 |
| 374 | -0.000423077 |
| 375 | -0.000416667 |
| 376 | -0.000413793 |
| 377 | -0.0004 |
| 378 | -0.000397436 |
| 379 | -0.000384615 |
| 380 | -0.000384615 |
| 381 | -0.000375 |
| 382 | -0.000375 |
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| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: GD 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(4 - 1) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (3/12/2013) | (0.28 - 0.1)/(8 - 1) | 0.0257143 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(12 - 1) | 0.00272727 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(16 - 1) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(17 - 1) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (3/12/2013) | (0.11 - 0.1)/(18 - 1) | 0.000588235 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(20 - 1) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (3/12/2013) | (1.76 - 0.1)/(21 - 1) | 0.083 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(23 - 1) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(24 - 1) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(27 - 1) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(28 - 1) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(29 - 1) | 0.00107143 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (3/12/2013) | (0.183 - 0.1)/(33 - 1) | 0.00259375 |
| 0.124 (5/5/2021) | ND<0.1 U (3/12/2013) | (0.124 - 0.1)/(34 - 1) | 0.000727273 |
| 0.305 (9/2/2021) | ND<0.1 U (3/12/2013) | (0.305 - 0.1)/(35 - 1) | 0.00602941 |
| 0.102 (11/23/2021) | ND<0.1 U (3/12/2013) | (0.102 - 0.1)/(36 - 1) | 5.71429e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (3/12/2013) | (0.147 - 0.1)/(37 - 1) | 0.00130556 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(38 - 1) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| | | | |
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (5/8/2013) | (0.28 - 0.1)/(8 - 2) | 0.03 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(12 - 2) | 0.003 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(16 - 2) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(17 - 2) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(18 - 2) | 0.000625 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (5/8/2013) | (1.76 - 0.1)/(21 - 2) | 0.0873684 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(23 - 2) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(24 - 2) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(27 - 2) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(28 - 2) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(29 - 2) | 0.00111111 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (5/8/2013) | (0.183 - 0.1)/(33 - 2) | 0.00267742 |
| 0.124 (5/5/2021) | ND<0.1 U (5/8/2013) | (0.124 - 0.1)/(34 - 2) | 0.00075 |
| 0.305 (9/2/2021) | ND<0.1 U (5/8/2013) | (0.305 - 0.1)/(35 - 2) | 0.00621212 |
| 0.102 (11/23/2021) | ND<0.1 U (5/8/2013) | (0.102 - 0.1)/(36 - 2) | 5.88235e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (5/8/2013) | (0.147 - 0.1)/(37 - 2) | 0.00134286 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(38 - 2) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| | | | |
| ND<0.1 U (12/10/2013) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.28 - 0.1)/(8 - 3) | 0.036 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(12 - 3) | 0.00333333 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(17 - 3) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(18 - 3) | 0.000666667 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (9/23/2013) | (1.76 - 0.1)/(21 - 3) | 0.0922222 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(29 - 3) | 0.00115385 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.183 - 0.1)/(33 - 3) | 0.00276667 |
| 0.124 (5/5/2021) | ND<0.1 U (9/23/2013) | (0.124 - 0.1)/(34 - 3) | 0.000774194 |
| 0.305 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.305 - 0.1)/(35 - 3) | 0.00640625 |
| 0.102 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.102 - 0.1)/(36 - 3) | 6.06061e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (9/23/2013) | (0.147 - 0.1)/(37 - 3) | 0.00138235 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| | | | |
| ND<0.1 U (2/6/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(5 - 4) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(7 - 4) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (12/10/2013) | (0.28 - 0.1)/(8 - 4) | 0.045 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(9 - 4) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(10 - 4) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(11 - 4) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (12/10/2013) | (0.13 - 0.1)/(12 - 4) | 0.00375 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(13 - 4) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(14 - 4) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(15 - 4) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(16 - 4) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(17 - 4) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (12/10/2013) | (0.11 - 0.1)/(18 - 4) | 0.000714286 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(19 - 4) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(20 - 4) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (12/10/2013) | (1.76 - 0.1)/(21 - 4) | 0.0976471 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(22 - 4) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(23 - 4) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(24 - 4) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(25 - 4) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(26 - 4) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(27 - 4) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(28 - 4) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (12/10/2013) | (0.13 - 0.1)/(29 - 4) | 0.0012 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(30 - 4) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(31 - 4) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(32 - 4) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (12/10/2013) | (0.183 - 0.1)/(33 - 4) | 0.00286207 |
| 0.124 (5/5/2021) | ND<0.1 U (12/10/2013) | (0.124 - 0.1)/(34 - 4) | 0.0008 |
| 0.305 (9/2/2021) | ND<0.1 U (12/10/2013) | (0.305 - 0.1)/(35 - 4) | 0.0066129 |
| 0.102 (11/23/2021) | ND<0.1 U (12/10/2013) | (0.102 - 0.1)/(36 - 4) | 6.25e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (12/10/2013) | (0.147 - 0.1)/(37 - 4) | 0.00142424 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(38 - 4) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(39 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(40 - 4) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(41 - 4) | 0 |
| | | | |
| ND<0.1 U (6/26/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (2/6/2014) | (0.28 - 0.1)/(8 - 5) | 0.06 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(11 - 5) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(12 - 5) | 0.00428571 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(16 - 5) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(17 - 5) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (2/6/2014) | (0.11 - 0.1)/(18 - 5) | 0.000769231 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (2/6/2014) | (1.76 - 0.1)/(21 - 5) | 0.10375 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(22 - 5) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(23 - 5) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(24 - 5) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(27 - 5) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(28 - 5) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(29 - 5) | 0.00125 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (2/6/2014) | (0.183 - 0.1)/(33 - 5) | 0.00296429 |
| 0.124 (5/5/2021) | ND<0.1 U (2/6/2014) | (0.124 - 0.1)/(34 - 5) | 0.000827586 |
| 0.305 (9/2/2021) | ND<0.1 U (2/6/2014) | (0.305 - 0.1)/(35 - 5) | 0.00683333 |
| 0.102 (11/23/2021) | ND<0.1 U (2/6/2014) | (0.102 - 0.1)/(36 - 5) | 6.45161e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (2/6/2014) | (0.147 - 0.1)/(37 - 5) | 0.00146875 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(38 - 5) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(39 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.28 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.28 - 0.1)/(8 - 6) | 0.09 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(12 - 6) | 0.005 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(13 - 6) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(16 - 6) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(17 - 6) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(18 - 6) | 0.000833333 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (6/26/2014) | (1.76 - 0.1)/(21 - 6) | 0.110667 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(24 - 6) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(28 - 6) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(29 - 6) | 0.00130435 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.183 - 0.1)/(33 - 6) | 0.00307407 |
| 0.124 (5/5/2021) | ND<0.1 U (6/26/2014) | (0.124 - 0.1)/(34 - 6) | 0.000857143 |
| 0.305 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.305 - 0.1)/(35 - 6) | 0.00706897 |
| 0.102 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.102 - 0.1)/(36 - 6) | 6.66667e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (6/26/2014) | (0.147 - 0.1)/(37 - 6) | 0.00151613 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(38 - 6) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(41 - 6) | 0 |
| | | | |
| 0.28 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.28 - 0.1)/(8 - 7) | 0.18 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(12 - 7) | 0.006 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(17 - 7) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(18 - 7) | 0.000909091 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (9/30/2014) | (1.76 - 0.1)/(21 - 7) | 0.118571 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 7) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(29 - 7) | 0.00136364 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (9/30/2014) | (0.183 - 0.1)/(33 - 7) | 0.00319231 |
| 0.124 (5/5/2021) | ND<0.1 U (9/30/2014) | (0.124 - 0.1)/(34 - 7) | 0.000888889 |
| 0.305 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.305 - 0.1)/(35 - 7) | 0.00732143 |
| 0.102 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.102 - 0.1)/(36 - 7) | 6.89655e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.147 - 0.1)/(37 - 7) | 0.00156667 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| | | | |
| ND<0.1 U (3/23/2015) | 0.28 (11/19/2014) | (0.1 - 0.28)/(9 - 8) | -0.18 |
| ND<0.1 U (4/22/2015) | 0.28 (11/19/2014) | (0.1 - 0.28)/(10 - 8) | -0.09 |
| 0.1 (9/30/2015) | 0.28 (11/19/2014) | (0.1 - 0.28)/(11 - 8) | -0.06 |
| 0.13 (11/19/2015) | 0.28 (11/19/2014) | (0.13 - 0.28)/(12 - 8) | -0.0375 |
| ND<0.1 U (3/15/2016) | 0.28 (11/19/2014) | (0.1 - 0.28)/(13 - 8) | -0.036 |
| ND<0.1 U (6/29/2016) | 0.28 (11/19/2014) | (0.1 - 0.28)/(14 - 8) | -0.03 |
| ND<0.1 U (8/9/2016) | 0.28 (11/19/2014) | (0.1 - 0.28)/(15 - 8) | -0.0257143 |
| ND<0.1 U (12/7/2016) | 0.28 (11/19/2014) | (0.1 - 0.28)/(16 - 8) | -0.0225 |
| ND<0.1 U (3/2/2017) | 0.28 (11/19/2014) | (0.1 - 0.28)/(17 - 8) | -0.02 |
| 0.11 (6/21/2017) | 0.28 (11/19/2014) | (0.11 - 0.28)/(18 - 8) | -0.017 |

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|---|---|---|---|
| ND<0.1 U (8/17/2017) | 0.28 (11/19/2014) | (0.1 - 0.28)/(19 - 8) | -0.0163636 |
| ND<0.1 U (10/26/2017) | 0.28 (11/19/2014) | (0.1 - 0.28)/(20 - 8) | -0.015 |
| 1.76 (3/27/2018) | 0.28 (11/19/2014) | (1.76 - 0.28)/(21 - 8) | 0.113846 |
| ND<0.1 U (6/26/2018) | 0.28 (11/19/2014) | (0.1 - 0.28)/(22 - 8) | -0.0128571 |
| 0.1 (8/1/2018) | 0.28 (11/19/2014) | (0.1 - 0.28)/(23 - 8) | -0.012 |
| ND<0.1 U (12/11/2018) | 0.28 (11/19/2014) | (0.1 - 0.28)/(24 - 8) | -0.01125 |
| ND<0.1 U (4/17/2019) | 0.28 (11/19/2014) | (0.1 - 0.28)/(25 - 8) | -0.0105882 |
| ND<0.1 U (6/11/2019) | 0.28 (11/19/2014) | (0.1 - 0.28)/(26 - 8) | -0.01 |
| ND<0.1 U (8/28/2019) | 0.28 (11/19/2014) | (0.1 - 0.28)/(27 - 8) | -0.00947368 |
| ND<0.1 U (10/28/2019) | 0.28 (11/19/2014) | (0.1 - 0.28)/(28 - 8) | -0.009 |
| 0.13 (3/31/2020) | 0.28 (11/19/2014) | (0.13 - 0.28)/(29 - 8) | -0.00714286 |
| ND<0.1 U (6/10/2020) | 0.28 (11/19/2014) | (0.1 - 0.28)/(30 - 8) | -0.00818182 |
| ND<0.1 U (9/21/2020) | 0.28 (11/19/2014) | (0.1 - 0.28)/(31 - 8) | -0.00782609 |
| ND<0.1 U (12/17/2020) | 0.28 (11/19/2014) | (0.1 - 0.28)/(32 - 8) | -0.0075 |
| 0.183 (3/18/2021) | 0.28 (11/19/2014) | (0.183 - 0.28)/(33 - 8) | -0.00388 |
| 0.124 (5/5/2021) | 0.28 (11/19/2014) | (0.124 - 0.28)/(34 - 8) | -0.006 |
| 0.305 (9/2/2021) | 0.28 (11/19/2014) | (0.305 - 0.28)/(35 - 8) | 0.000925926 |
| 0.102 (11/23/2021) | 0.28 (11/19/2014) | (0.102 - 0.28)/(36 - 8) | -0.00635714 |
| 0.147 (1/10/2022) | 0.28 (11/19/2014) | (0.147 - 0.28)/(37 - 8) | -0.00458621 |
| ND<0.1 U (4/7/2022) | 0.28 (11/19/2014) | (0.1 - 0.28)/(38 - 8) | -0.006 |
| ND<0.1 U (8/3/2022) | 0.28 (11/19/2014) | (0.1 - 0.28)/(39 - 8) | -0.00580645 |
| ND<0.1 U (11/16/2022) | 0.28 (11/19/2014) | (0.1 - 0.28)/(40 - 8) | -0.005625 |
| ND<0.1 U (2/13/2023) | 0.28 (11/19/2014) | (0.1 - 0.28)/(41 - 8) | -0.00545455 |

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|---|---|---|---|
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| 0.1 (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (3/23/2015) | (0.13 - 0.1)/(12 - 9) | 0.01 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(16 - 9) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(17 - 9) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (3/23/2015) | (0.11 - 0.1)/(18 - 9) | 0.00111111 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(20 - 9) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (3/23/2015) | (1.76 - 0.1)/(21 - 9) | 0.138333 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(23 - 9) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(24 - 9) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(27 - 9) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(28 - 9) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (3/23/2015) | (0.13 - 0.1)/(29 - 9) | 0.0015 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (3/23/2015) | (0.183 - 0.1)/(33 - 9) | 0.00345833 |
| 0.124 (5/5/2021) | ND<0.1 U (3/23/2015) | (0.124 - 0.1)/(34 - 9) | 0.00096 |
| 0.305 (9/2/2021) | ND<0.1 U (3/23/2015) | (0.305 - 0.1)/(35 - 9) | 0.00788462 |
| 0.102 (11/23/2021) | ND<0.1 U (3/23/2015) | (0.102 - 0.1)/(36 - 9) | 7.40741e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (3/23/2015) | (0.147 - 0.1)/(37 - 9) | 0.00167857 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(38 - 9) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |

| | | | |
|---|---|---|---|
| 0.1 (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(12 - 10) | 0.015 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(16 - 10) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(17 - 10) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (4/22/2015) | (0.11 - 0.1)/(18 - 10) | 0.00125 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (4/22/2015) | (1.76 - 0.1)/(21 - 10) | 0.150909 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(23 - 10) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(24 - 10) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(27 - 10) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(28 - 10) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(29 - 10) | 0.00157895 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (4/22/2015) | (0.183 - 0.1)/(33 - 10) | 0.0036087 |
| 0.124 (5/5/2021) | ND<0.1 U (4/22/2015) | (0.124 - 0.1)/(34 - 10) | 0.001 |
| 0.305 (9/2/2021) | ND<0.1 U (4/22/2015) | (0.305 - 0.1)/(35 - 10) | 0.0082 |
| 0.102 (11/23/2021) | ND<0.1 U (4/22/2015) | (0.102 - 0.1)/(36 - 10) | 7.69231e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (4/22/2015) | (0.147 - 0.1)/(37 - 10) | 0.00174074 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(38 - 10) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |

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|---|---|---|---|
| 0.13 (11/19/2015) | 0.1 (9/30/2015) | (0.13 - 0.1)/(12 - 11) | 0.03 |
| ND<0.1 U (3/15/2016) | 0.1 (9/30/2015) | (0.1 - 0.1)/(13 - 11) | 0 |
| ND<0.1 U (6/29/2016) | 0.1 (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | 0.1 (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | 0.1 (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| ND<0.1 U (3/2/2017) | 0.1 (9/30/2015) | (0.1 - 0.1)/(17 - 11) | 0 |
| 0.11 (6/21/2017) | 0.1 (9/30/2015) | (0.11 - 0.1)/(18 - 11) | 0.00142857 |
| ND<0.1 U (8/17/2017) | 0.1 (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/26/2017) | 0.1 (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| 1.76 (3/27/2018) | 0.1 (9/30/2015) | (1.76 - 0.1)/(21 - 11) | 0.166 |
| ND<0.1 U (6/26/2018) | 0.1 (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| 0.1 (8/1/2018) | 0.1 (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| ND<0.1 U (12/11/2018) | 0.1 (9/30/2015) | (0.1 - 0.1)/(24 - 11) | 0 |
| ND<0.1 U (4/17/2019) | 0.1 (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/11/2019) | 0.1 (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/28/2019) | 0.1 (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| ND<0.1 U (10/28/2019) | 0.1 (9/30/2015) | (0.1 - 0.1)/(28 - 11) | 0 |
| 0.13 (3/31/2020) | 0.1 (9/30/2015) | (0.13 - 0.1)/(29 - 11) | 0.00166667 |
| ND<0.1 U (6/10/2020) | 0.1 (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | 0.1 (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| ND<0.1 U (12/17/2020) | 0.1 (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| 0.183 (3/18/2021) | 0.1 (9/30/2015) | (0.183 - 0.1)/(33 - 11) | 0.00377273 |
| 0.124 (5/5/2021) | 0.1 (9/30/2015) | (0.124 - 0.1)/(34 - 11) | 0.00104348 |
| 0.305 (9/2/2021) | 0.1 (9/30/2015) | (0.305 - 0.1)/(35 - 11) | 0.00854167 |
| 0.102 (11/23/2021) | 0.1 (9/30/2015) | (0.102 - 0.1)/(36 - 11) | 8e-05 |

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|---|---|---|---|
| 0.147 (1/10/2022) | 0.1 (9/30/2015) | (0.147 - 0.1)/(37 - 11) | 0.00180769 |
| ND<0.1 U (4/7/2022) | 0.1 (9/30/2015) | (0.1 - 0.1)/(38 - 11) | 0 |
| ND<0.1 U (8/3/2022) | 0.1 (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | 0.1 (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/13/2023) | 0.1 (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| | | | |
| ND<0.1 U (3/15/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(13 - 12) | -0.03 |
| ND<0.1 U (6/29/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(14 - 12) | -0.015 |
| ND<0.1 U (8/9/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(15 - 12) | -0.01 |
| ND<0.1 U (12/7/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(16 - 12) | -0.0075 |
| ND<0.1 U (3/2/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(17 - 12) | -0.006 |
| 0.11 (6/21/2017) | 0.13 (11/19/2015) | (0.11 - 0.13)/(18 - 12) | -0.00333333 |
| ND<0.1 U (8/17/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(19 - 12) | -0.00428571 |
| ND<0.1 U (10/26/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(20 - 12) | -0.00375 |
| 1.76 (3/27/2018) | 0.13 (11/19/2015) | (1.76 - 0.13)/(21 - 12) | 0.181111 |
| ND<0.1 U (6/26/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(22 - 12) | -0.003 |
| 0.1 (8/1/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(23 - 12) | -0.00272727 |
| ND<0.1 U (12/11/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(24 - 12) | -0.0025 |
| ND<0.1 U (4/17/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(25 - 12) | -0.00230769 |
| ND<0.1 U (6/11/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(26 - 12) | -0.00214286 |
| ND<0.1 U (8/28/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(27 - 12) | -0.002 |
| ND<0.1 U (10/28/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(28 - 12) | -0.001875 |
| 0.13 (3/31/2020) | 0.13 (11/19/2015) | (0.13 - 0.13)/(29 - 12) | 0 |
| ND<0.1 U (6/10/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(30 - 12) | -0.00166667 |
| ND<0.1 U (9/21/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(31 - 12) | -0.00157895 |
| ND<0.1 U (12/17/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(32 - 12) | -0.0015 |
| 0.183 (3/18/2021) | 0.13 (11/19/2015) | (0.183 - 0.13)/(33 - 12) | 0.00252381 |
| 0.124 (5/5/2021) | 0.13 (11/19/2015) | (0.124 - 0.13)/(34 - 12) | -0.000272727 |
| 0.305 (9/2/2021) | 0.13 (11/19/2015) | (0.305 - 0.13)/(35 - 12) | 0.0076087 |
| 0.102 (11/23/2021) | 0.13 (11/19/2015) | (0.102 - 0.13)/(36 - 12) | -0.00116667 |
| 0.147 (1/10/2022) | 0.13 (11/19/2015) | (0.147 - 0.13)/(37 - 12) | 0.00068 |
| ND<0.1 U (4/7/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(38 - 12) | -0.00115385 |
| ND<0.1 U (8/3/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(39 - 12) | -0.00111111 |
| ND<0.1 U (11/16/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(40 - 12) | -0.00107143 |
| ND<0.1 U (2/13/2023) | 0.13 (11/19/2015) | (0.1 - 0.13)/(41 - 12) | -0.00103448 |
| | | | |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(14 - 13) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(15 - 13) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(16 - 13) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(17 - 13) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (3/15/2016) | (0.11 - 0.1)/(18 - 13) | 0.002 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(19 - 13) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(20 - 13) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (3/15/2016) | (1.76 - 0.1)/(21 - 13) | 0.2075 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(22 - 13) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(23 - 13) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(24 - 13) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(27 - 13) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(28 - 13) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (3/15/2016) | (0.13 - 0.1)/(29 - 13) | 0.001875 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(30 - 13) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (3/15/2016) | (0.183 - 0.1)/(33 - 13) | 0.00415 |
| 0.124 (5/5/2021) | ND<0.1 U (3/15/2016) | (0.124 - 0.1)/(34 - 13) | 0.00114286 |

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|---|---|---|---|
| 0.305 (9/2/2021) | ND<0.1 U (3/15/2016) | (0.305 - 0.1)/(35 - 13) | 0.00931818 |
| 0.102 (11/23/2021) | ND<0.1 U (3/15/2016) | (0.102 - 0.1)/(36 - 13) | 8.69565e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (3/15/2016) | (0.147 - 0.1)/(37 - 13) | 0.00195833 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(38 - 13) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(39 - 13) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(17 - 14) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (6/29/2016) | (0.11 - 0.1)/(18 - 14) | 0.0025 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (6/29/2016) | (1.76 - 0.1)/(21 - 14) | 0.237143 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.13 - 0.1)/(29 - 14) | 0.002 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (6/29/2016) | (0.183 - 0.1)/(33 - 14) | 0.00436842 |
| 0.124 (5/5/2021) | ND<0.1 U (6/29/2016) | (0.124 - 0.1)/(34 - 14) | 0.0012 |
| 0.305 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.305 - 0.1)/(35 - 14) | 0.0097619 |
| 0.102 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.102 - 0.1)/(36 - 14) | 9.09091e-05 |
| 0.147 (1/10/2022) | ND<0.1 U (6/29/2016) | (0.147 - 0.1)/(37 - 14) | 0.00204348 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(38 - 14) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| | | | |
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(17 - 15) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (8/9/2016) | (0.11 - 0.1)/(18 - 15) | 0.00333333 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (8/9/2016) | (1.76 - 0.1)/(21 - 15) | 0.276667 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.13 - 0.1)/(29 - 15) | 0.00214286 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (8/9/2016) | (0.183 - 0.1)/(33 - 15) | 0.00461111 |
| 0.124 (5/5/2021) | ND<0.1 U (8/9/2016) | (0.124 - 0.1)/(34 - 15) | 0.00126316 |
| 0.305 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.305 - 0.1)/(35 - 15) | 0.01025 |
| 0.102 (11/23/2021) | ND<0.1 U (8/9/2016) | (0.102 - 0.1)/(36 - 15) | 9.52381e-05 |

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|---|---|---|---|
| 0.147 (1/10/2022) | ND<0.1 U (8/9/2016) | (0.147 - 0.1)/(37 - 15) | 0.00213636 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(38 - 15) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| | | | |
| ND<0.1 U (3/2/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(17 - 16) | 0 |
| 0.11 (6/21/2017) | ND<0.1 U (12/7/2016) | (0.11 - 0.1)/(18 - 16) | 0.005 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(19 - 16) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(20 - 16) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (12/7/2016) | (1.76 - 0.1)/(21 - 16) | 0.332 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(23 - 16) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(24 - 16) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(25 - 16) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(26 - 16) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(27 - 16) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(28 - 16) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (12/7/2016) | (0.13 - 0.1)/(29 - 16) | 0.00230769 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(31 - 16) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(32 - 16) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (12/7/2016) | (0.183 - 0.1)/(33 - 16) | 0.00488235 |
| 0.124 (5/5/2021) | ND<0.1 U (12/7/2016) | (0.124 - 0.1)/(34 - 16) | 0.00133333 |
| 0.305 (9/2/2021) | ND<0.1 U (12/7/2016) | (0.305 - 0.1)/(35 - 16) | 0.0107895 |
| 0.102 (11/23/2021) | ND<0.1 U (12/7/2016) | (0.102 - 0.1)/(36 - 16) | 0.0001 |
| 0.147 (1/10/2022) | ND<0.1 U (12/7/2016) | (0.147 - 0.1)/(37 - 16) | 0.0022381 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(38 - 16) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(41 - 16) | 0 |
| | | | |
| 0.11 (6/21/2017) | ND<0.1 U (3/2/2017) | (0.11 - 0.1)/(18 - 17) | 0.01 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(19 - 17) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(20 - 17) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (3/2/2017) | (1.76 - 0.1)/(21 - 17) | 0.415 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(22 - 17) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(23 - 17) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(24 - 17) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(25 - 17) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(26 - 17) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(27 - 17) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(28 - 17) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (3/2/2017) | (0.13 - 0.1)/(29 - 17) | 0.0025 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(30 - 17) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(31 - 17) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(32 - 17) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (3/2/2017) | (0.183 - 0.1)/(33 - 17) | 0.0051875 |
| 0.124 (5/5/2021) | ND<0.1 U (3/2/2017) | (0.124 - 0.1)/(34 - 17) | 0.00141176 |
| 0.305 (9/2/2021) | ND<0.1 U (3/2/2017) | (0.305 - 0.1)/(35 - 17) | 0.0113889 |
| 0.102 (11/23/2021) | ND<0.1 U (3/2/2017) | (0.102 - 0.1)/(36 - 17) | 0.000105263 |
| 0.147 (1/10/2022) | ND<0.1 U (3/2/2017) | (0.147 - 0.1)/(37 - 17) | 0.00235 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(38 - 17) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(39 - 17) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(40 - 17) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(41 - 17) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (8/17/2017) | 0.11 (6/21/2017) | (0.1 - 0.11)/(19 - 18) | -0.01 |
| ND<0.1 U (10/26/2017) | 0.11 (6/21/2017) | (0.1 - 0.11)/(20 - 18) | -0.005 |
| 1.76 (3/27/2018) | 0.11 (6/21/2017) | (1.76 - 0.11)/(21 - 18) | 0.55 |
| ND<0.1 U (6/26/2018) | 0.11 (6/21/2017) | (0.1 - 0.11)/(22 - 18) | -0.0025 |
| 0.1 (8/1/2018) | 0.11 (6/21/2017) | (0.1 - 0.11)/(23 - 18) | -0.002 |
| ND<0.1 U (12/11/2018) | 0.11 (6/21/2017) | (0.1 - 0.11)/(24 - 18) | -0.00166667 |
| ND<0.1 U (4/17/2019) | 0.11 (6/21/2017) | (0.1 - 0.11)/(25 - 18) | -0.00142857 |
| ND<0.1 U (6/11/2019) | 0.11 (6/21/2017) | (0.1 - 0.11)/(26 - 18) | -0.00125 |
| ND<0.1 U (8/28/2019) | 0.11 (6/21/2017) | (0.1 - 0.11)/(27 - 18) | -0.00111111 |
| ND<0.1 U (10/28/2019) | 0.11 (6/21/2017) | (0.1 - 0.11)/(28 - 18) | -0.001 |
| 0.13 (3/31/2020) | 0.11 (6/21/2017) | (0.13 - 0.11)/(29 - 18) | 0.00181818 |
| ND<0.1 U (6/10/2020) | 0.11 (6/21/2017) | (0.1 - 0.11)/(30 - 18) | -0.000833333 |
| ND<0.1 U (9/21/2020) | 0.11 (6/21/2017) | (0.1 - 0.11)/(31 - 18) | -0.000769231 |
| ND<0.1 U (12/17/2020) | 0.11 (6/21/2017) | (0.1 - 0.11)/(32 - 18) | -0.000714286 |
| 0.183 (3/18/2021) | 0.11 (6/21/2017) | (0.183 - 0.11)/(33 - 18) | 0.00486667 |
| 0.124 (5/5/2021) | 0.11 (6/21/2017) | (0.124 - 0.11)/(34 - 18) | 0.000875 |
| 0.305 (9/2/2021) | 0.11 (6/21/2017) | (0.305 - 0.11)/(35 - 18) | 0.0114706 |
| 0.102 (11/23/2021) | 0.11 (6/21/2017) | (0.102 - 0.11)/(36 - 18) | -0.000444444 |
| 0.147 (1/10/2022) | 0.11 (6/21/2017) | (0.147 - 0.11)/(37 - 18) | 0.00194737 |
| ND<0.1 U (4/7/2022) | 0.11 (6/21/2017) | (0.1 - 0.11)/(38 - 18) | -0.0005 |
| ND<0.1 U (8/3/2022) | 0.11 (6/21/2017) | (0.1 - 0.11)/(39 - 18) | -0.00047619 |
| ND<0.1 U (11/16/2022) | 0.11 (6/21/2017) | (0.1 - 0.11)/(40 - 18) | -0.000454545 |
| ND<0.1 U (2/13/2023) | 0.11 (6/21/2017) | (0.1 - 0.11)/(41 - 18) | -0.000434783 |
| | | | |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| 1.76 (3/27/2018) | ND<0.1 U (8/17/2017) | (1.76 - 0.1)/(21 - 19) | 0.83 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(22 - 19) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(24 - 19) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.13 - 0.1)/(29 - 19) | 0.003 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (8/17/2017) | (0.183 - 0.1)/(33 - 19) | 0.00592857 |
| 0.124 (5/5/2021) | ND<0.1 U (8/17/2017) | (0.124 - 0.1)/(34 - 19) | 0.0016 |
| 0.305 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.305 - 0.1)/(35 - 19) | 0.0128125 |
| 0.102 (11/23/2021) | ND<0.1 U (8/17/2017) | (0.102 - 0.1)/(36 - 19) | 0.000117647 |
| 0.147 (1/10/2022) | ND<0.1 U (8/17/2017) | (0.147 - 0.1)/(37 - 19) | 0.00261111 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(38 - 19) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| | | | |
| 1.76 (3/27/2018) | ND<0.1 U (10/26/2017) | (1.76 - 0.1)/(21 - 20) | 1.66 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| 0.1 (8/1/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(24 - 20) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(28 - 20) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (10/26/2017) | (0.13 - 0.1)/(29 - 20) | 0.00333333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(30 - 20) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (10/26/2017) | (0.183 - 0.1)/(33 - 20) | 0.00638462 |
| 0.124 (5/5/2021) | ND<0.1 U (10/26/2017) | (0.124 - 0.1)/(34 - 20) | 0.00171429 |
| 0.305 (9/2/2021) | ND<0.1 U (10/26/2017) | (0.305 - 0.1)/(35 - 20) | 0.0136667 |
| 0.102 (11/23/2021) | ND<0.1 U (10/26/2017) | (0.102 - 0.1)/(36 - 20) | 0.000125 |
| 0.147 (1/10/2022) | ND<0.1 U (10/26/2017) | (0.147 - 0.1)/(37 - 20) | 0.00276471 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(38 - 20) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| | | | |
| ND<0.1 U (6/26/2018) | 1.76 (3/27/2018) | (0.1 - 1.76)/(22 - 21) | -1.66 |
| 0.1 (8/1/2018) | 1.76 (3/27/2018) | (0.1 - 1.76)/(23 - 21) | -0.83 |
| ND<0.1 U (12/11/2018) | 1.76 (3/27/2018) | (0.1 - 1.76)/(24 - 21) | -0.553333 |
| ND<0.1 U (4/17/2019) | 1.76 (3/27/2018) | (0.1 - 1.76)/(25 - 21) | -0.415 |
| ND<0.1 U (6/11/2019) | 1.76 (3/27/2018) | (0.1 - 1.76)/(26 - 21) | -0.332 |
| ND<0.1 U (8/28/2019) | 1.76 (3/27/2018) | (0.1 - 1.76)/(27 - 21) | -0.276667 |
| ND<0.1 U (10/28/2019) | 1.76 (3/27/2018) | (0.1 - 1.76)/(28 - 21) | -0.237143 |
| 0.13 (3/31/2020) | 1.76 (3/27/2018) | (0.13 - 1.76)/(29 - 21) | -0.20375 |
| ND<0.1 U (6/10/2020) | 1.76 (3/27/2018) | (0.1 - 1.76)/(30 - 21) | -0.184444 |
| ND<0.1 U (9/21/2020) | 1.76 (3/27/2018) | (0.1 - 1.76)/(31 - 21) | -0.166 |
| ND<0.1 U (12/17/2020) | 1.76 (3/27/2018) | (0.1 - 1.76)/(32 - 21) | -0.150909 |
| 0.183 (3/18/2021) | 1.76 (3/27/2018) | (0.183 - 1.76)/(33 - 21) | -0.131417 |
| 0.124 (5/5/2021) | 1.76 (3/27/2018) | (0.124 - 1.76)/(34 - 21) | -0.125846 |
| 0.305 (9/2/2021) | 1.76 (3/27/2018) | (0.305 - 1.76)/(35 - 21) | -0.103929 |
| 0.102 (11/23/2021) | 1.76 (3/27/2018) | (0.102 - 1.76)/(36 - 21) | -0.110533 |
| 0.147 (1/10/2022) | 1.76 (3/27/2018) | (0.147 - 1.76)/(37 - 21) | -0.100812 |
| ND<0.1 U (4/7/2022) | 1.76 (3/27/2018) | (0.1 - 1.76)/(38 - 21) | -0.0976471 |
| ND<0.1 U (8/3/2022) | 1.76 (3/27/2018) | (0.1 - 1.76)/(39 - 21) | -0.0922222 |
| ND<0.1 U (11/16/2022) | 1.76 (3/27/2018) | (0.1 - 1.76)/(40 - 21) | -0.0873684 |
| ND<0.1 U (2/13/2023) | 1.76 (3/27/2018) | (0.1 - 1.76)/(41 - 21) | -0.083 |
| | | | |
| 0.1 (8/1/2018) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(24 - 22) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(28 - 22) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (6/26/2018) | (0.13 - 0.1)/(29 - 22) | 0.00428571 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (6/26/2018) | (0.183 - 0.1)/(33 - 22) | 0.00754545 |
| 0.124 (5/5/2021) | ND<0.1 U (6/26/2018) | (0.124 - 0.1)/(34 - 22) | 0.002 |
| 0.305 (9/2/2021) | ND<0.1 U (6/26/2018) | (0.305 - 0.1)/(35 - 22) | 0.0157692 |
| 0.102 (11/23/2021) | ND<0.1 U (6/26/2018) | (0.102 - 0.1)/(36 - 22) | 0.000142857 |
| 0.147 (1/10/2022) | ND<0.1 U (6/26/2018) | (0.147 - 0.1)/(37 - 22) | 0.00313333 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(38 - 22) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(41 - 22) | 0 |
| | | | |
| ND<0.1 U (12/11/2018) | 0.1 (8/1/2018) | (0.1 - 0.1)/(24 - 23) | 0 |
| ND<0.1 U (4/17/2019) | 0.1 (8/1/2018) | (0.1 - 0.1)/(25 - 23) | 0 |
| ND<0.1 U (6/11/2019) | 0.1 (8/1/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| ND<0.1 U (8/28/2019) | 0.1 (8/1/2018) | (0.1 - 0.1)/(27 - 23) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (10/28/2019) | 0.1 (8/1/2018) | (0.1 - 0.1)/(28 - 23) | 0 |
| 0.13 (3/31/2020) | 0.1 (8/1/2018) | (0.13 - 0.1)/(29 - 23) | 0.005 |
| ND<0.1 U (6/10/2020) | 0.1 (8/1/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | 0.1 (8/1/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| ND<0.1 U (12/17/2020) | 0.1 (8/1/2018) | (0.1 - 0.1)/(32 - 23) | 0 |
| 0.183 (3/18/2021) | 0.1 (8/1/2018) | (0.183 - 0.1)/(33 - 23) | 0.0083 |
| 0.124 (5/5/2021) | 0.1 (8/1/2018) | (0.124 - 0.1)/(34 - 23) | 0.00218182 |
| 0.305 (9/2/2021) | 0.1 (8/1/2018) | (0.305 - 0.1)/(35 - 23) | 0.0170833 |
| 0.102 (11/23/2021) | 0.1 (8/1/2018) | (0.102 - 0.1)/(36 - 23) | 0.000153846 |
| 0.147 (1/10/2022) | 0.1 (8/1/2018) | (0.147 - 0.1)/(37 - 23) | 0.00335714 |
| ND<0.1 U (4/7/2022) | 0.1 (8/1/2018) | (0.1 - 0.1)/(38 - 23) | 0 |
| ND<0.1 U (8/3/2022) | 0.1 (8/1/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | 0.1 (8/1/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| ND<0.1 U (2/13/2023) | 0.1 (8/1/2018) | (0.1 - 0.1)/(41 - 23) | 0 |
| | | | |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(25 - 24) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(26 - 24) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(27 - 24) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(28 - 24) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (12/11/2018) | (0.13 - 0.1)/(29 - 24) | 0.006 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(30 - 24) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(31 - 24) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (12/11/2018) | (0.183 - 0.1)/(33 - 24) | 0.00922222 |
| 0.124 (5/5/2021) | ND<0.1 U (12/11/2018) | (0.124 - 0.1)/(34 - 24) | 0.0024 |
| 0.305 (9/2/2021) | ND<0.1 U (12/11/2018) | (0.305 - 0.1)/(35 - 24) | 0.0186364 |
| 0.102 (11/23/2021) | ND<0.1 U (12/11/2018) | (0.102 - 0.1)/(36 - 24) | 0.000166667 |
| 0.147 (1/10/2022) | ND<0.1 U (12/11/2018) | (0.147 - 0.1)/(37 - 24) | 0.00361538 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(38 - 24) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(41 - 24) | 0 |
| | | | |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(27 - 25) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(28 - 25) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.13 - 0.1)/(29 - 25) | 0.0075 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (4/17/2019) | (0.183 - 0.1)/(33 - 25) | 0.010375 |
| 0.124 (5/5/2021) | ND<0.1 U (4/17/2019) | (0.124 - 0.1)/(34 - 25) | 0.00266667 |
| 0.305 (9/2/2021) | ND<0.1 U (4/17/2019) | (0.305 - 0.1)/(35 - 25) | 0.0205 |
| 0.102 (11/23/2021) | ND<0.1 U (4/17/2019) | (0.102 - 0.1)/(36 - 25) | 0.000181818 |
| 0.147 (1/10/2022) | ND<0.1 U (4/17/2019) | (0.147 - 0.1)/(37 - 25) | 0.00391667 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(38 - 25) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| | | | |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(28 - 26) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.13 - 0.1)/(29 - 26) | 0.01 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (6/11/2019) | (0.183 - 0.1)/(33 - 26) | 0.0118571 |

| | | | |
|---|---|---|---|
| 0.124 (5/5/2021) | ND<0.1 U (6/11/2019) | (0.124 - 0.1)/(34 - 26) | 0.003 |
| 0.305 (9/2/2021) | ND<0.1 U (6/11/2019) | (0.305 - 0.1)/(35 - 26) | 0.0227778 |
| 0.102 (11/23/2021) | ND<0.1 U (6/11/2019) | (0.102 - 0.1)/(36 - 26) | 0.0002 |
| 0.147 (1/10/2022) | ND<0.1 U (6/11/2019) | (0.147 - 0.1)/(37 - 26) | 0.00427273 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(38 - 26) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| | | | |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(28 - 27) | 0 |
| 0.13 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.13 - 0.1)/(29 - 27) | 0.015 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(32 - 27) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (8/28/2019) | (0.183 - 0.1)/(33 - 27) | 0.0138333 |
| 0.124 (5/5/2021) | ND<0.1 U (8/28/2019) | (0.124 - 0.1)/(34 - 27) | 0.00342857 |
| 0.305 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.305 - 0.1)/(35 - 27) | 0.025625 |
| 0.102 (11/23/2021) | ND<0.1 U (8/28/2019) | (0.102 - 0.1)/(36 - 27) | 0.000222222 |
| 0.147 (1/10/2022) | ND<0.1 U (8/28/2019) | (0.147 - 0.1)/(37 - 27) | 0.0047 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(38 - 27) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(41 - 27) | 0 |
| | | | |
| 0.13 (3/31/2020) | ND<0.1 U (10/28/2019) | (0.13 - 0.1)/(29 - 28) | 0.03 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(31 - 28) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(32 - 28) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (10/28/2019) | (0.183 - 0.1)/(33 - 28) | 0.0166 |
| 0.124 (5/5/2021) | ND<0.1 U (10/28/2019) | (0.124 - 0.1)/(34 - 28) | 0.004 |
| 0.305 (9/2/2021) | ND<0.1 U (10/28/2019) | (0.305 - 0.1)/(35 - 28) | 0.0292857 |
| 0.102 (11/23/2021) | ND<0.1 U (10/28/2019) | (0.102 - 0.1)/(36 - 28) | 0.00025 |
| 0.147 (1/10/2022) | ND<0.1 U (10/28/2019) | (0.147 - 0.1)/(37 - 28) | 0.00522222 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(38 - 28) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(39 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(40 - 28) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(41 - 28) | 0 |
| | | | |
| ND<0.1 U (6/10/2020) | 0.13 (3/31/2020) | (0.1 - 0.13)/(30 - 29) | -0.03 |
| ND<0.1 U (9/21/2020) | 0.13 (3/31/2020) | (0.1 - 0.13)/(31 - 29) | -0.015 |
| ND<0.1 U (12/17/2020) | 0.13 (3/31/2020) | (0.1 - 0.13)/(32 - 29) | -0.01 |
| 0.183 (3/18/2021) | 0.13 (3/31/2020) | (0.183 - 0.13)/(33 - 29) | 0.01325 |
| 0.124 (5/5/2021) | 0.13 (3/31/2020) | (0.124 - 0.13)/(34 - 29) | -0.0012 |
| 0.305 (9/2/2021) | 0.13 (3/31/2020) | (0.305 - 0.13)/(35 - 29) | 0.0291667 |
| 0.102 (11/23/2021) | 0.13 (3/31/2020) | (0.102 - 0.13)/(36 - 29) | -0.004 |
| 0.147 (1/10/2022) | 0.13 (3/31/2020) | (0.147 - 0.13)/(37 - 29) | 0.002125 |
| ND<0.1 U (4/7/2022) | 0.13 (3/31/2020) | (0.1 - 0.13)/(38 - 29) | -0.00333333 |
| ND<0.1 U (8/3/2022) | 0.13 (3/31/2020) | (0.1 - 0.13)/(39 - 29) | -0.003 |
| ND<0.1 U (11/16/2022) | 0.13 (3/31/2020) | (0.1 - 0.13)/(40 - 29) | -0.00272727 |
| ND<0.1 U (2/13/2023) | 0.13 (3/31/2020) | (0.1 - 0.13)/(41 - 29) | -0.0025 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(32 - 30) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (6/10/2020) | (0.183 - 0.1)/(33 - 30) | 0.0276667 |
| 0.124 (5/5/2021) | ND<0.1 U (6/10/2020) | (0.124 - 0.1)/(34 - 30) | 0.006 |
| 0.305 (9/2/2021) | ND<0.1 U (6/10/2020) | (0.305 - 0.1)/(35 - 30) | 0.041 |
| 0.102 (11/23/2021) | ND<0.1 U (6/10/2020) | (0.102 - 0.1)/(36 - 30) | 0.000333333 |

| | | | |
|---|---|---|---|
| 0.147 (1/10/2022) | ND<0.1 U (6/10/2020) | (0.147 - 0.1)/(37 - 30) | 0.00671429 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(38 - 30) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| | | | |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| 0.183 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.183 - 0.1)/(33 - 31) | 0.0415 |
| 0.124 (5/5/2021) | ND<0.1 U (9/21/2020) | (0.124 - 0.1)/(34 - 31) | 0.008 |
| 0.305 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.305 - 0.1)/(35 - 31) | 0.05125 |
| 0.102 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.102 - 0.1)/(36 - 31) | 0.0004 |
| 0.147 (1/10/2022) | ND<0.1 U (9/21/2020) | (0.147 - 0.1)/(37 - 31) | 0.00783333 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(38 - 31) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| | | | |
| 0.183 (3/18/2021) | ND<0.1 U (12/17/2020) | (0.183 - 0.1)/(33 - 32) | 0.083 |
| 0.124 (5/5/2021) | ND<0.1 U (12/17/2020) | (0.124 - 0.1)/(34 - 32) | 0.012 |
| 0.305 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.305 - 0.1)/(35 - 32) | 0.0683333 |
| 0.102 (11/23/2021) | ND<0.1 U (12/17/2020) | (0.102 - 0.1)/(36 - 32) | 0.0005 |
| 0.147 (1/10/2022) | ND<0.1 U (12/17/2020) | (0.147 - 0.1)/(37 - 32) | 0.0094 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(38 - 32) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| | | | |
| 0.124 (5/5/2021) | 0.183 (3/18/2021) | (0.124 - 0.183)/(34 - 33) | -0.059 |
| 0.305 (9/2/2021) | 0.183 (3/18/2021) | (0.305 - 0.183)/(35 - 33) | 0.061 |
| 0.102 (11/23/2021) | 0.183 (3/18/2021) | (0.102 - 0.183)/(36 - 33) | -0.027 |
| 0.147 (1/10/2022) | 0.183 (3/18/2021) | (0.147 - 0.183)/(37 - 33) | -0.009 |
| ND<0.1 U (4/7/2022) | 0.183 (3/18/2021) | (0.1 - 0.183)/(38 - 33) | -0.0166 |
| ND<0.1 U (8/3/2022) | 0.183 (3/18/2021) | (0.1 - 0.183)/(39 - 33) | -0.0138333 |
| ND<0.1 U (11/16/2022) | 0.183 (3/18/2021) | (0.1 - 0.183)/(40 - 33) | -0.0118571 |
| ND<0.1 U (2/13/2023) | 0.183 (3/18/2021) | (0.1 - 0.183)/(41 - 33) | -0.010375 |
| | | | |
| 0.305 (9/2/2021) | 0.124 (5/5/2021) | (0.305 - 0.124)/(35 - 34) | 0.181 |
| 0.102 (11/23/2021) | 0.124 (5/5/2021) | (0.102 - 0.124)/(36 - 34) | -0.011 |
| 0.147 (1/10/2022) | 0.124 (5/5/2021) | (0.147 - 0.124)/(37 - 34) | 0.00766667 |
| ND<0.1 U (4/7/2022) | 0.124 (5/5/2021) | (0.1 - 0.124)/(38 - 34) | -0.006 |
| ND<0.1 U (8/3/2022) | 0.124 (5/5/2021) | (0.1 - 0.124)/(39 - 34) | -0.0048 |
| ND<0.1 U (11/16/2022) | 0.124 (5/5/2021) | (0.1 - 0.124)/(40 - 34) | -0.004 |
| ND<0.1 U (2/13/2023) | 0.124 (5/5/2021) | (0.1 - 0.124)/(41 - 34) | -0.00342857 |
| | | | |
| 0.102 (11/23/2021) | 0.305 (9/2/2021) | (0.102 - 0.305)/(36 - 35) | -0.203 |
| 0.147 (1/10/2022) | 0.305 (9/2/2021) | (0.147 - 0.305)/(37 - 35) | -0.079 |
| ND<0.1 U (4/7/2022) | 0.305 (9/2/2021) | (0.1 - 0.305)/(38 - 35) | -0.0683333 |
| ND<0.1 U (8/3/2022) | 0.305 (9/2/2021) | (0.1 - 0.305)/(39 - 35) | -0.05125 |
| ND<0.1 U (11/16/2022) | 0.305 (9/2/2021) | (0.1 - 0.305)/(40 - 35) | -0.041 |
| ND<0.1 U (2/13/2023) | 0.305 (9/2/2021) | (0.1 - 0.305)/(41 - 35) | -0.0341667 |
| | | | |
| 0.147 (1/10/2022) | 0.102 (11/23/2021) | (0.147 - 0.102)/(37 - 36) | 0.045 |
| ND<0.1 U (4/7/2022) | 0.102 (11/23/2021) | (0.1 - 0.102)/(38 - 36) | -0.001 |
| ND<0.1 U (8/3/2022) | 0.102 (11/23/2021) | (0.1 - 0.102)/(39 - 36) | -0.000666667 |
| ND<0.1 U (11/16/2022) | 0.102 (11/23/2021) | (0.1 - 0.102)/(40 - 36) | -0.0005 |
| ND<0.1 U (2/13/2023) | 0.102 (11/23/2021) | (0.1 - 0.102)/(41 - 36) | -0.0004 |

| | | | |
|---|---|---|---|
| ND<0.1 U (4/7/2022) | 0.147 (1/10/2022) | (0.1 - 0.147)/(38 - 37) | -0.047 |
| ND<0.1 U (8/3/2022) | 0.147 (1/10/2022) | (0.1 - 0.147)/(39 - 37) | -0.0235 |
| ND<0.1 U (11/16/2022) | 0.147 (1/10/2022) | (0.1 - 0.147)/(40 - 37) | -0.0156667 |
| ND<0.1 U (2/13/2023) | 0.147 (1/10/2022) | (0.1 - 0.147)/(41 - 37) | -0.01175 |
| | | | |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(39 - 38) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(41 - 38) | 0 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |

Number of Q values = 820

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -1.66 |
| 2 | -0.83 |
| 3 | -0.553333 |
| 4 | -0.415 |
| 5 | -0.332 |
| 6 | -0.276667 |
| 7 | -0.237143 |
| 8 | -0.20375 |
| 9 | -0.203 |
| 10 | -0.184444 |
| 11 | -0.18 |
| 12 | -0.166 |
| 13 | -0.150909 |
| 14 | -0.131417 |
| 15 | -0.125846 |
| 16 | -0.110533 |
| 17 | -0.103929 |
| 18 | -0.100812 |
| 19 | -0.0976471 |
| 20 | -0.0922222 |
| 21 | -0.09 |
| 22 | -0.0873684 |
| 23 | -0.083 |
| 24 | -0.079 |
| 25 | -0.0683333 |
| 26 | -0.06 |
| 27 | -0.059 |
| 28 | -0.05125 |
| 29 | -0.047 |
| 30 | -0.041 |
| 31 | -0.0375 |
| 32 | -0.036 |
| 33 | -0.0341667 |
| 34 | -0.03 |
| 35 | -0.03 |
| 36 | -0.03 |
| 37 | -0.027 |
| 38 | -0.0257143 |

| | |
|---|---|
| 39 | -0.0235 |
| 40 | -0.0225 |
| 41 | -0.02 |
| 42 | -0.017 |
| 43 | -0.0166 |
| 44 | -0.0163636 |
| 45 | -0.0156667 |
| 46 | -0.015 |
| 47 | -0.015 |
| 48 | -0.015 |
| 49 | -0.0138333 |
| 50 | -0.0128571 |
| 51 | -0.012 |
| 52 | -0.0118571 |
| 53 | -0.01175 |
| 54 | -0.01125 |
| 55 | -0.011 |
| 56 | -0.0105882 |
| 57 | -0.010375 |
| 58 | -0.01 |
| 59 | -0.01 |
| 60 | -0.01 |
| 61 | -0.01 |
| 62 | -0.00947368 |
| 63 | -0.009 |
| 64 | -0.009 |
| 65 | -0.00818182 |
| 66 | -0.00782609 |
| 67 | -0.0075 |
| 68 | -0.0075 |
| 69 | -0.00714286 |
| 70 | -0.00635714 |
| 71 | -0.006 |
| 72 | -0.006 |
| 73 | -0.006 |
| 74 | -0.006 |
| 75 | -0.00580645 |
| 76 | -0.005625 |
| 77 | -0.00545455 |
| 78 | -0.005 |
| 79 | -0.0048 |
| 80 | -0.00458621 |
| 81 | -0.00428571 |
| 82 | -0.004 |
| 83 | -0.004 |
| 84 | -0.00388 |
| 85 | -0.00375 |
| 86 | -0.00342857 |
| 87 | -0.00333333 |
| 88 | -0.00333333 |
| 89 | -0.003 |
| 90 | -0.003 |
| 91 | -0.00272727 |
| 92 | -0.00272727 |
| 93 | -0.0025 |
| 94 | -0.0025 |
| 95 | -0.0025 |

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| 96 | -0.00230769 |
| 97 | -0.00214286 |
| 98 | -0.002 |
| 99 | -0.002 |
| 100 | -0.001875 |
| 101 | -0.00166667 |
| 102 | -0.00166667 |
| 103 | -0.00157895 |
| 104 | -0.0015 |
| 105 | -0.00142857 |
| 106 | -0.00125 |
| 107 | -0.0012 |
| 108 | -0.00116667 |
| 109 | -0.00115385 |
| 110 | -0.00111111 |
| 111 | -0.00111111 |
| 112 | -0.00107143 |
| 113 | -0.00103448 |
| 114 | -0.001 |
| 115 | -0.001 |
| 116 | -0.000833333 |
| 117 | -0.000769231 |
| 118 | -0.000714286 |
| 119 | -0.000666667 |
| 120 | -0.0005 |
| 121 | -0.0005 |
| 122 | -0.00047619 |
| 123 | -0.000454545 |
| 124 | -0.000444444 |
| 125 | -0.000434783 |
| 126 | -0.0004 |
| 127 | -0.000272727 |
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| 129 | 0 |
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| 131 | 0 |
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| 552 | 0 |
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| 588 | 0 |
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| 590 | 0 |
| 591 | 0 |
| 592 | 0 |
| 593 | 0 |
| 594 | 5.71429e-05 |
| 595 | 5.88235e-05 |
| 596 | 6.06061e-05 |
| 597 | 6.25e-05 |
| 598 | 6.45161e-05 |
| 599 | 6.66667e-05 |
| 600 | 6.89655e-05 |
| 601 | 7.40741e-05 |
| 602 | 7.69231e-05 |
| 603 | 8e-05 |
| 604 | 8.69565e-05 |
| 605 | 9.09091e-05 |
| 606 | 9.52381e-05 |
| 607 | 0.0001 |
| 608 | 0.000105263 |

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|---|---|
| 609 | 0.000117647 |
| 610 | 0.000125 |
| 611 | 0.000142857 |
| 612 | 0.000153846 |
| 613 | 0.000166667 |
| 614 | 0.000181818 |
| 615 | 0.0002 |
| 616 | 0.000222222 |
| 617 | 0.00025 |
| 618 | 0.000333333 |
| 619 | 0.0004 |
| 620 | 0.0005 |
| 621 | 0.000588235 |
| 622 | 0.000625 |
| 623 | 0.000666667 |
| 624 | 0.00068 |
| 625 | 0.000714286 |
| 626 | 0.000727273 |
| 627 | 0.00075 |
| 628 | 0.000769231 |
| 629 | 0.000774194 |
| 630 | 0.0008 |
| 631 | 0.000827586 |
| 632 | 0.000833333 |
| 633 | 0.000857143 |
| 634 | 0.000875 |
| 635 | 0.000888889 |
| 636 | 0.000909091 |
| 637 | 0.000925926 |
| 638 | 0.00096 |
| 639 | 0.001 |
| 640 | 0.00104348 |
| 641 | 0.00107143 |
| 642 | 0.00111111 |
| 643 | 0.00111111 |
| 644 | 0.00114286 |
| 645 | 0.00115385 |
| 646 | 0.0012 |
| 647 | 0.0012 |
| 648 | 0.00125 |
| 649 | 0.00125 |
| 650 | 0.00126316 |
| 651 | 0.00130435 |
| 652 | 0.00130556 |
| 653 | 0.00133333 |
| 654 | 0.00134286 |
| 655 | 0.00136364 |
| 656 | 0.00138235 |
| 657 | 0.00141176 |
| 658 | 0.00142424 |
| 659 | 0.00142857 |
| 660 | 0.00146875 |
| 661 | 0.0015 |
| 662 | 0.00151613 |
| 663 | 0.00156667 |
| 664 | 0.00157895 |
| 665 | 0.0016 |

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|---|---|
| 666 | 0.00166667 |
| 667 | 0.00167857 |
| 668 | 0.00171429 |
| 669 | 0.00174074 |
| 670 | 0.00180769 |
| 671 | 0.00181818 |
| 672 | 0.001875 |
| 673 | 0.00194737 |
| 674 | 0.00195833 |
| 675 | 0.002 |
| 676 | 0.002 |
| 677 | 0.002 |
| 678 | 0.00204348 |
| 679 | 0.002125 |
| 680 | 0.00213636 |
| 681 | 0.00214286 |
| 682 | 0.00218182 |
| 683 | 0.0022381 |
| 684 | 0.00230769 |
| 685 | 0.00235 |
| 686 | 0.0024 |
| 687 | 0.0025 |
| 688 | 0.0025 |
| 689 | 0.00252381 |
| 690 | 0.00259375 |
| 691 | 0.00261111 |
| 692 | 0.00266667 |
| 693 | 0.00267742 |
| 694 | 0.00272727 |
| 695 | 0.00276471 |
| 696 | 0.00276667 |
| 697 | 0.00286207 |
| 698 | 0.00296429 |
| 699 | 0.003 |
| 700 | 0.003 |
| 701 | 0.003 |
| 702 | 0.00307407 |
| 703 | 0.00313333 |
| 704 | 0.00319231 |
| 705 | 0.00333333 |
| 706 | 0.00333333 |
| 707 | 0.00333333 |
| 708 | 0.00335714 |
| 709 | 0.00342857 |
| 710 | 0.00345833 |
| 711 | 0.0036087 |
| 712 | 0.00361538 |
| 713 | 0.00375 |
| 714 | 0.00377273 |
| 715 | 0.00391667 |
| 716 | 0.004 |
| 717 | 0.00415 |
| 718 | 0.00427273 |
| 719 | 0.00428571 |
| 720 | 0.00428571 |
| 721 | 0.00436842 |
| 722 | 0.00461111 |

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|---|---|
| 723 | 0.0047 |
| 724 | 0.00486667 |
| 725 | 0.00488235 |
| 726 | 0.005 |
| 727 | 0.005 |
| 728 | 0.005 |
| 729 | 0.0051875 |
| 730 | 0.00522222 |
| 731 | 0.00592857 |
| 732 | 0.006 |
| 733 | 0.006 |
| 734 | 0.006 |
| 735 | 0.00602941 |
| 736 | 0.00621212 |
| 737 | 0.00638462 |
| 738 | 0.00640625 |
| 739 | 0.0066129 |
| 740 | 0.00671429 |
| 741 | 0.00683333 |
| 742 | 0.00706897 |
| 743 | 0.00732143 |
| 744 | 0.0075 |
| 745 | 0.00754545 |
| 746 | 0.0076087 |
| 747 | 0.00766667 |
| 748 | 0.00783333 |
| 749 | 0.00788462 |
| 750 | 0.008 |
| 751 | 0.0082 |
| 752 | 0.0083 |
| 753 | 0.00854167 |
| 754 | 0.00922222 |
| 755 | 0.00931818 |
| 756 | 0.0094 |
| 757 | 0.0097619 |
| 758 | 0.01 |
| 759 | 0.01 |
| 760 | 0.01 |
| 761 | 0.01025 |
| 762 | 0.010375 |
| 763 | 0.0107895 |
| 764 | 0.0113889 |
| 765 | 0.0114706 |
| 766 | 0.0118571 |
| 767 | 0.012 |
| 768 | 0.0128125 |
| 769 | 0.01325 |
| 770 | 0.0136667 |
| 771 | 0.0138333 |
| 772 | 0.015 |
| 773 | 0.015 |
| 774 | 0.0157692 |
| 775 | 0.0166 |
| 776 | 0.0170833 |
| 777 | 0.0186364 |
| 778 | 0.0205 |
| 779 | 0.0227778 |

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|---|---|
| 780 | 0.025625 |
| 781 | 0.0257143 |
| 782 | 0.0276667 |
| 783 | 0.0291667 |
| 784 | 0.0292857 |
| 785 | 0.03 |
| 786 | 0.03 |
| 787 | 0.03 |
| 788 | 0.036 |
| 789 | 0.041 |
| 790 | 0.0415 |
| 791 | 0.045 |
| 792 | 0.045 |
| 793 | 0.05125 |
| 794 | 0.06 |
| 795 | 0.061 |
| 796 | 0.0683333 |
| 797 | 0.083 |
| 798 | 0.083 |
| 799 | 0.0873684 |
| 800 | 0.09 |
| 801 | 0.0922222 |
| 802 | 0.0976471 |
| 803 | 0.10375 |
| 804 | 0.110667 |
| 805 | 0.113846 |
| 806 | 0.118571 |
| 807 | 0.138333 |
| 808 | 0.150909 |
| 809 | 0.166 |
| 810 | 0.18 |
| 811 | 0.181 |
| 812 | 0.181111 |
| 813 | 0.2075 |
| 814 | 0.237143 |
| 815 | 0.276667 |
| 816 | 0.332 |
| 817 | 0.415 |
| 818 | 0.55 |
| 819 | 0.83 |
| 820 | 1.66 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 31 |
| 2 | 0.13 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |

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|---|---|
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |

There are 0 time periods with multiple data

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A = 62328
B = 0
C = 26970
D = 0
E = 932
F = 0
a = 142680
b = 575640
c = 3280
Group Variance = 4464
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 109.898
M1 = (820 - 109.898)/2.0 = 355.051
M2 = (820 + 109.898)/2.0 + 1 = 465.949
Lower limit is 0 = Q(355)
Upper limit is 0 = Q(466)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: HB 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/20/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.15 (12/10/2013) | ND<0.1 U (3/12/2013) | (0.15 - 0.1)/(4 - 1) | 0.0166667 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(8 - 1) | 0.00285714 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(12 - 1) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(16 - 1) | 0.002 |
| 0.12 (3/2/2017) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(17 - 1) | 0.00125 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(20 - 1) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(23 - 1) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (3/12/2013) | (0.141 - 0.1)/(24 - 1) | 0.00178261 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (3/12/2013) | (0.179 - 0.1)/(27 - 1) | 0.00303846 |
| 0.166 (10/29/2019) | ND<0.1 U (3/12/2013) | (0.166 - 0.1)/(28 - 1) | 0.00244444 |
| 0.166 (3/30/2020) | ND<0.1 U (3/12/2013) | (0.166 - 0.1)/(29 - 1) | 0.00235714 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(35 - 1) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(38 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (3/12/2013) | (0.0588 - 0.1)/(42 - 1) | -0.00100488 |
| 0.0895 (8/7/2023) | ND<0.1 U (3/12/2013) | (0.0895 - 0.1)/(43 - 1) | -0.00025 |
| 0.0444 (12/12/2023) | ND<0.1 U (3/12/2013) | (0.0444 - 0.1)/(44 - 1) | -0.00129302 |
| 0.0752 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.0752 - 0.1)/(45 - 1) | -0.000563636 |
| 0.0557 (5/21/2024) | ND<0.1 U (3/12/2013) | (0.0557 - 0.1)/(46 - 1) | -0.000984444 |
| 0.0711 (9/16/2024) | ND<0.1 U (3/12/2013) | (0.0711 - 0.1)/(47 - 1) | -0.000628261 |
| 0.452 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.452 - 0.1)/(48 - 1) | 0.00748936 |
| 0.0842 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.0842 - 0.1)/(49 - 1) | -0.000329167 |

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|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.15 (12/10/2013) | ND<0.1 U (5/20/2013) | (0.15 - 0.1)/(4 - 2) | 0.025 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (5/20/2013) | (0.12 - 0.1)/(8 - 2) | 0.00333333 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(12 - 2) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (5/20/2013) | (0.13 - 0.1)/(16 - 2) | 0.00214286 |
| 0.12 (3/2/2017) | ND<0.1 U (5/20/2013) | (0.12 - 0.1)/(17 - 2) | 0.00133333 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(23 - 2) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (5/20/2013) | (0.141 - 0.1)/(24 - 2) | 0.00186364 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (5/20/2013) | (0.179 - 0.1)/(27 - 2) | 0.00316 |
| 0.166 (10/29/2019) | ND<0.1 U (5/20/2013) | (0.166 - 0.1)/(28 - 2) | 0.00253846 |
| 0.166 (3/30/2020) | ND<0.1 U (5/20/2013) | (0.166 - 0.1)/(29 - 2) | 0.00244444 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(35 - 2) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(36 - 2) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(38 - 2) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (5/20/2013) | (0.0588 - 0.1)/(42 - 2) | -0.00103 |
| 0.0895 (8/7/2023) | ND<0.1 U (5/20/2013) | (0.0895 - 0.1)/(43 - 2) | -0.000256098 |
| 0.0444 (12/12/2023) | ND<0.1 U (5/20/2013) | (0.0444 - 0.1)/(44 - 2) | -0.00132381 |
| 0.0752 (1/10/2024) | ND<0.1 U (5/20/2013) | (0.0752 - 0.1)/(45 - 2) | -0.000576744 |
| 0.0557 (5/21/2024) | ND<0.1 U (5/20/2013) | (0.0557 - 0.1)/(46 - 2) | -0.00100682 |
| 0.0711 (9/16/2024) | ND<0.1 U (5/20/2013) | (0.0711 - 0.1)/(47 - 2) | -0.000642222 |
| 0.452 (12/11/2024) | ND<0.1 U (5/20/2013) | (0.452 - 0.1)/(48 - 2) | 0.00765217 |
| 0.0842 (2/18/2025) | ND<0.1 U (5/20/2013) | (0.0842 - 0.1)/(49 - 2) | -0.00033617 |
| | | | |
| 0.15 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(4 - 3) | 0.05 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(8 - 3) | 0.004 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(12 - 3) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(16 - 3) | 0.00230769 |
| 0.12 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(17 - 3) | 0.00142857 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (9/23/2013) | (0.141 - 0.1)/(24 - 3) | 0.00195238 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (9/23/2013) | (0.179 - 0.1)/(27 - 3) | 0.00329167 |
| 0.166 (10/29/2019) | ND<0.1 U (9/23/2013) | (0.166 - 0.1)/(28 - 3) | 0.00264 |
| 0.166 (3/30/2020) | ND<0.1 U (9/23/2013) | (0.166 - 0.1)/(29 - 3) | 0.00253846 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (9/23/2013) | (0.0588 - 0.1)/(42 - 3) | -0.00105641 |
| 0.0895 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.0895 - 0.1)/(43 - 3) | -0.0002625 |
| 0.0444 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.0444 - 0.1)/(44 - 3) | -0.0013561 |
| 0.0752 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.0752 - 0.1)/(45 - 3) | -0.000590476 |
| 0.0557 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.0557 - 0.1)/(46 - 3) | -0.00103023 |
| 0.0711 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.0711 - 0.1)/(47 - 3) | -0.000656818 |
| 0.452 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.452 - 0.1)/(48 - 3) | 0.00782222 |
| 0.0842 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.0842 - 0.1)/(49 - 3) | -0.000343478 |

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|---|---|---|---|
| ND<0.1 U (2/6/2014) | 0.15 (12/10/2013) | (0.1 - 0.15)/(5 - 4) | -0.05 |
| ND<0.1 U (6/26/2014) | 0.15 (12/10/2013) | (0.1 - 0.15)/(6 - 4) | -0.025 |
| ND<0.1 U (9/30/2014) | 0.15 (12/10/2013) | (0.1 - 0.15)/(7 - 4) | -0.0166667 |
| 0.12 (11/19/2014) | 0.15 (12/10/2013) | (0.12 - 0.15)/(8 - 4) | -0.0075 |
| ND<0.1 U (3/23/2015) | 0.15 (12/10/2013) | (0.1 - 0.15)/(9 - 4) | -0.01 |
| ND<0.1 U (4/22/2015) | 0.15 (12/10/2013) | (0.1 - 0.15)/(10 - 4) | -0.00833333 |
| ND<0.1 U (9/30/2015) | 0.15 (12/10/2013) | (0.1 - 0.15)/(11 - 4) | -0.00714286 |
| ND<0.1 U (11/19/2015) | 0.15 (12/10/2013) | (0.1 - 0.15)/(12 - 4) | -0.00625 |
| ND<0.1 U (3/15/2016) | 0.15 (12/10/2013) | (0.1 - 0.15)/(13 - 4) | -0.00555556 |
| ND<0.1 U (6/29/2016) | 0.15 (12/10/2013) | (0.1 - 0.15)/(14 - 4) | -0.005 |
| ND<0.1 U (8/9/2016) | 0.15 (12/10/2013) | (0.1 - 0.15)/(15 - 4) | -0.00454545 |
| 0.13 (12/7/2016) | 0.15 (12/10/2013) | (0.13 - 0.15)/(16 - 4) | -0.00166667 |
| 0.12 (3/2/2017) | 0.15 (12/10/2013) | (0.12 - 0.15)/(17 - 4) | -0.00230769 |
| ND<0.1 U (7/5/2017) | 0.15 (12/10/2013) | (0.1 - 0.15)/(18 - 4) | -0.00357143 |
| ND<0.1 U (8/16/2017) | 0.15 (12/10/2013) | (0.1 - 0.15)/(19 - 4) | -0.00333333 |
| ND<0.1 U (10/25/2017) | 0.15 (12/10/2013) | (0.1 - 0.15)/(20 - 4) | -0.003125 |
| ND<0.1 U (3/28/2018) | 0.15 (12/10/2013) | (0.1 - 0.15)/(21 - 4) | -0.00294118 |
| ND<0.1 U (6/29/2018) | 0.15 (12/10/2013) | (0.1 - 0.15)/(22 - 4) | -0.00277778 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | 0.15 (12/10/2013) | (0.1 - 0.15)/(23 - 4) | -0.00263158 |
| 0.141 (12/10/2018) | 0.15 (12/10/2013) | (0.141 - 0.15)/(24 - 4) | -0.00045 |
| ND<0.1 U (4/15/2019) | 0.15 (12/10/2013) | (0.1 - 0.15)/(25 - 4) | -0.00238095 |
| ND<0.1 U (6/12/2019) | 0.15 (12/10/2013) | (0.1 - 0.15)/(26 - 4) | -0.00227273 |
| 0.179 (8/27/2019) | 0.15 (12/10/2013) | (0.179 - 0.15)/(27 - 4) | 0.00126087 |
| 0.166 (10/29/2019) | 0.15 (12/10/2013) | (0.166 - 0.15)/(28 - 4) | 0.000666667 |
| 0.166 (3/30/2020) | 0.15 (12/10/2013) | (0.166 - 0.15)/(29 - 4) | 0.00064 |
| ND<0.1 U (6/16/2020) | 0.15 (12/10/2013) | (0.1 - 0.15)/(30 - 4) | -0.00192308 |
| ND<0.1 U (9/21/2020) | 0.15 (12/10/2013) | (0.1 - 0.15)/(31 - 4) | -0.00185185 |
| ND<0.1 U (12/17/2020) | 0.15 (12/10/2013) | (0.1 - 0.15)/(32 - 4) | -0.00178571 |
| ND<0.1 U (3/18/2021) | 0.15 (12/10/2013) | (0.1 - 0.15)/(33 - 4) | -0.00172414 |
| ND<0.1 U (5/5/2021) | 0.15 (12/10/2013) | (0.1 - 0.15)/(34 - 4) | -0.00166667 |
| ND<0.1 U (9/2/2021) | 0.15 (12/10/2013) | (0.1 - 0.15)/(35 - 4) | -0.0016129 |
| ND<0.1 U (11/23/2021) | 0.15 (12/10/2013) | (0.1 - 0.15)/(36 - 4) | -0.0015625 |
| ND<0.1 U (1/11/2022) | 0.15 (12/10/2013) | (0.1 - 0.15)/(37 - 4) | -0.00151515 |
| ND<0.1 U (4/7/2022) | 0.15 (12/10/2013) | (0.1 - 0.15)/(38 - 4) | -0.00147059 |
| ND<0.1 U (8/2/2022) | 0.15 (12/10/2013) | (0.1 - 0.15)/(39 - 4) | -0.00142857 |
| ND<0.1 U (11/16/2022) | 0.15 (12/10/2013) | (0.1 - 0.15)/(40 - 4) | -0.00138889 |
| ND<0.1 U (2/14/2023) | 0.15 (12/10/2013) | (0.1 - 0.15)/(41 - 4) | -0.00135135 |
| 0.0588 (5/25/2023) | 0.15 (12/10/2013) | (0.0588 - 0.15)/(42 - 4) | -0.0024 |
| 0.0895 (8/7/2023) | 0.15 (12/10/2013) | (0.0895 - 0.15)/(43 - 4) | -0.00155128 |
| 0.0444 (12/12/2023) | 0.15 (12/10/2013) | (0.0444 - 0.15)/(44 - 4) | -0.00264 |
| 0.0752 (1/10/2024) | 0.15 (12/10/2013) | (0.0752 - 0.15)/(45 - 4) | -0.00182439 |
| 0.0557 (5/21/2024) | 0.15 (12/10/2013) | (0.0557 - 0.15)/(46 - 4) | -0.00224524 |
| 0.0711 (9/16/2024) | 0.15 (12/10/2013) | (0.0711 - 0.15)/(47 - 4) | -0.00183488 |
| 0.452 (12/11/2024) | 0.15 (12/10/2013) | (0.452 - 0.15)/(48 - 4) | 0.00686364 |
| 0.0842 (2/18/2025) | 0.15 (12/10/2013) | (0.0842 - 0.15)/(49 - 4) | -0.00146222 |

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|---|---|---|---|
| ND<0.1 U (6/26/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(8 - 5) | 0.00666667 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(11 - 5) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(12 - 5) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(16 - 5) | 0.00272727 |
| 0.12 (3/2/2017) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(17 - 5) | 0.00166667 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(18 - 5) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(21 - 5) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(22 - 5) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(23 - 5) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (2/6/2014) | (0.141 - 0.1)/(24 - 5) | 0.00215789 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (2/6/2014) | (0.179 - 0.1)/(27 - 5) | 0.00359091 |
| 0.166 (10/29/2019) | ND<0.1 U (2/6/2014) | (0.166 - 0.1)/(28 - 5) | 0.00286957 |
| 0.166 (3/30/2020) | ND<0.1 U (2/6/2014) | (0.166 - 0.1)/(29 - 5) | 0.00275 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(34 - 5) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(35 - 5) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(36 - 5) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(37 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(38 - 5) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(39 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (2/6/2014) | (0.0588 - 0.1)/(42 - 5) | -0.00111351 |
| 0.0895 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.0895 - 0.1)/(43 - 5) | -0.000276316 |
| 0.0444 (12/12/2023) | ND<0.1 U (2/6/2014) | (0.0444 - 0.1)/(44 - 5) | -0.00142564 |
| 0.0752 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.0752 - 0.1)/(45 - 5) | -0.00062 |
| 0.0557 (5/21/2024) | ND<0.1 U (2/6/2014) | (0.0557 - 0.1)/(46 - 5) | -0.00108049 |
| 0.0711 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.0711 - 0.1)/(47 - 5) | -0.000688095 |
| 0.452 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.452 - 0.1)/(48 - 5) | 0.00818605 |
| 0.0842 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.0842 - 0.1)/(49 - 5) | -0.000359091 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| 0.12 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(8 - 6) | 0.01 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(12 - 6) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(13 - 6) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(16 - 6) | 0.003 |
| 0.12 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(17 - 6) | 0.00181818 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(21 - 6) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (6/26/2014) | (0.141 - 0.1)/(24 - 6) | 0.00227778 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (6/26/2014) | (0.179 - 0.1)/(27 - 6) | 0.0037619 |
| 0.166 (10/29/2019) | ND<0.1 U (6/26/2014) | (0.166 - 0.1)/(28 - 6) | 0.003 |
| 0.166 (3/30/2020) | ND<0.1 U (6/26/2014) | (0.166 - 0.1)/(29 - 6) | 0.00286957 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(33 - 6) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(37 - 6) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(38 - 6) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(41 - 6) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (6/26/2014) | (0.0588 - 0.1)/(42 - 6) | -0.00114444 |
| 0.0895 (8/7/2023) | ND<0.1 U (6/26/2014) | (0.0895 - 0.1)/(43 - 6) | -0.000283784 |
| 0.0444 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.0444 - 0.1)/(44 - 6) | -0.00146316 |
| 0.0752 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.0752 - 0.1)/(45 - 6) | -0.000635897 |
| 0.0557 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.0557 - 0.1)/(46 - 6) | -0.0011075 |
| 0.0711 (9/16/2024) | ND<0.1 U (6/26/2014) | (0.0711 - 0.1)/(47 - 6) | -0.000704878 |

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|---|---|---|---|
| 0.452 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.452 - 0.1)/(48 - 6) | 0.00838095 |
| 0.0842 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.0842 - 0.1)/(49 - 6) | -0.000367442 |
| | | | |
| 0.12 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(8 - 7) | 0.02 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(12 - 7) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(16 - 7) | 0.00333333 |
| 0.12 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(17 - 7) | 0.002 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 7) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (9/30/2014) | (0.141 - 0.1)/(24 - 7) | 0.00241176 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (9/30/2014) | (0.179 - 0.1)/(27 - 7) | 0.00395 |
| 0.166 (10/29/2019) | ND<0.1 U (9/30/2014) | (0.166 - 0.1)/(28 - 7) | 0.00314286 |
| 0.166 (3/30/2020) | ND<0.1 U (9/30/2014) | (0.166 - 0.1)/(29 - 7) | 0.003 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 7) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (9/30/2014) | (0.0588 - 0.1)/(42 - 7) | -0.00117714 |
| 0.0895 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.0895 - 0.1)/(43 - 7) | -0.000291667 |
| 0.0444 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.0444 - 0.1)/(44 - 7) | -0.0015027 |
| 0.0752 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.0752 - 0.1)/(45 - 7) | -0.000652632 |
| 0.0557 (5/21/2024) | ND<0.1 U (9/30/2014) | (0.0557 - 0.1)/(46 - 7) | -0.0011359 |
| 0.0711 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.0711 - 0.1)/(47 - 7) | -0.0007225 |
| 0.452 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.452 - 0.1)/(48 - 7) | 0.00858537 |
| 0.0842 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.0842 - 0.1)/(49 - 7) | -0.00037619 |
| | | | |
| ND<0.1 U (3/23/2015) | 0.12 (11/19/2014) | (0.1 - 0.12)/(9 - 8) | -0.02 |
| ND<0.1 U (4/22/2015) | 0.12 (11/19/2014) | (0.1 - 0.12)/(10 - 8) | -0.01 |
| ND<0.1 U (9/30/2015) | 0.12 (11/19/2014) | (0.1 - 0.12)/(11 - 8) | -0.00666667 |
| ND<0.1 U (11/19/2015) | 0.12 (11/19/2014) | (0.1 - 0.12)/(12 - 8) | -0.005 |
| ND<0.1 U (3/15/2016) | 0.12 (11/19/2014) | (0.1 - 0.12)/(13 - 8) | -0.004 |
| ND<0.1 U (6/29/2016) | 0.12 (11/19/2014) | (0.1 - 0.12)/(14 - 8) | -0.00333333 |
| ND<0.1 U (8/9/2016) | 0.12 (11/19/2014) | (0.1 - 0.12)/(15 - 8) | -0.00285714 |
| 0.13 (12/7/2016) | 0.12 (11/19/2014) | (0.13 - 0.12)/(16 - 8) | 0.00125 |
| 0.12 (3/2/2017) | 0.12 (11/19/2014) | (0.12 - 0.12)/(17 - 8) | 0 |
| ND<0.1 U (7/5/2017) | 0.12 (11/19/2014) | (0.1 - 0.12)/(18 - 8) | -0.002 |
| ND<0.1 U (8/16/2017) | 0.12 (11/19/2014) | (0.1 - 0.12)/(19 - 8) | -0.00181818 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | 0.12 (11/19/2014) | (0.1 - 0.12)/(20 - 8) | -0.00166667 |
| ND<0.1 U (3/28/2018) | 0.12 (11/19/2014) | (0.1 - 0.12)/(21 - 8) | -0.00153846 |
| ND<0.1 U (6/29/2018) | 0.12 (11/19/2014) | (0.1 - 0.12)/(22 - 8) | -0.00142857 |
| ND<0.1 U (8/2/2018) | 0.12 (11/19/2014) | (0.1 - 0.12)/(23 - 8) | -0.00133333 |
| 0.141 (12/10/2018) | 0.12 (11/19/2014) | (0.141 - 0.12)/(24 - 8) | 0.0013125 |
| ND<0.1 U (4/15/2019) | 0.12 (11/19/2014) | (0.1 - 0.12)/(25 - 8) | -0.00117647 |
| ND<0.1 U (6/12/2019) | 0.12 (11/19/2014) | (0.1 - 0.12)/(26 - 8) | -0.00111111 |
| 0.179 (8/27/2019) | 0.12 (11/19/2014) | (0.179 - 0.12)/(27 - 8) | 0.00310526 |
| 0.166 (10/29/2019) | 0.12 (11/19/2014) | (0.166 - 0.12)/(28 - 8) | 0.0023 |
| 0.166 (3/30/2020) | 0.12 (11/19/2014) | (0.166 - 0.12)/(29 - 8) | 0.00219048 |
| ND<0.1 U (6/16/2020) | 0.12 (11/19/2014) | (0.1 - 0.12)/(30 - 8) | -0.000909091 |
| ND<0.1 U (9/21/2020) | 0.12 (11/19/2014) | (0.1 - 0.12)/(31 - 8) | -0.000869565 |
| ND<0.1 U (12/17/2020) | 0.12 (11/19/2014) | (0.1 - 0.12)/(32 - 8) | -0.000833333 |
| ND<0.1 U (3/18/2021) | 0.12 (11/19/2014) | (0.1 - 0.12)/(33 - 8) | -0.0008 |
| ND<0.1 U (5/5/2021) | 0.12 (11/19/2014) | (0.1 - 0.12)/(34 - 8) | -0.000769231 |
| ND<0.1 U (9/2/2021) | 0.12 (11/19/2014) | (0.1 - 0.12)/(35 - 8) | -0.000740741 |
| ND<0.1 U (11/23/2021) | 0.12 (11/19/2014) | (0.1 - 0.12)/(36 - 8) | -0.000714286 |
| ND<0.1 U (1/11/2022) | 0.12 (11/19/2014) | (0.1 - 0.12)/(37 - 8) | -0.000689655 |
| ND<0.1 U (4/7/2022) | 0.12 (11/19/2014) | (0.1 - 0.12)/(38 - 8) | -0.000666667 |
| ND<0.1 U (8/2/2022) | 0.12 (11/19/2014) | (0.1 - 0.12)/(39 - 8) | -0.000645161 |
| ND<0.1 U (11/16/2022) | 0.12 (11/19/2014) | (0.1 - 0.12)/(40 - 8) | -0.000625 |
| ND<0.1 U (2/14/2023) | 0.12 (11/19/2014) | (0.1 - 0.12)/(41 - 8) | -0.000606061 |
| 0.0588 (5/25/2023) | 0.12 (11/19/2014) | (0.0588 - 0.12)/(42 - 8) | -0.0018 |
| 0.0895 (8/7/2023) | 0.12 (11/19/2014) | (0.0895 - 0.12)/(43 - 8) | -0.000871429 |
| 0.0444 (12/12/2023) | 0.12 (11/19/2014) | (0.0444 - 0.12)/(44 - 8) | -0.0021 |
| 0.0752 (1/10/2024) | 0.12 (11/19/2014) | (0.0752 - 0.12)/(45 - 8) | -0.00121081 |
| 0.0557 (5/21/2024) | 0.12 (11/19/2014) | (0.0557 - 0.12)/(46 - 8) | -0.00169211 |
| 0.0711 (9/16/2024) | 0.12 (11/19/2014) | (0.0711 - 0.12)/(47 - 8) | -0.00125385 |
| 0.452 (12/11/2024) | 0.12 (11/19/2014) | (0.452 - 0.12)/(48 - 8) | 0.0083 |
| 0.0842 (2/18/2025) | 0.12 (11/19/2014) | (0.0842 - 0.12)/(49 - 8) | -0.000873171 |
| | | | |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(12 - 9) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (3/23/2015) | (0.13 - 0.1)/(16 - 9) | 0.00428571 |
| 0.12 (3/2/2017) | ND<0.1 U (3/23/2015) | (0.12 - 0.1)/(17 - 9) | 0.0025 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(20 - 9) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(23 - 9) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (3/23/2015) | (0.141 - 0.1)/(24 - 9) | 0.00273333 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (3/23/2015) | (0.179 - 0.1)/(27 - 9) | 0.00438889 |
| 0.166 (10/29/2019) | ND<0.1 U (3/23/2015) | (0.166 - 0.1)/(28 - 9) | 0.00347368 |
| 0.166 (3/30/2020) | ND<0.1 U (3/23/2015) | (0.166 - 0.1)/(29 - 9) | 0.0033 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(35 - 9) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(36 - 9) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(38 - 9) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (3/23/2015) | (0.0588 - 0.1)/(42 - 9) | -0.00124848 |
| 0.0895 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.0895 - 0.1)/(43 - 9) | -0.000308824 |
| 0.0444 (12/12/2023) | ND<0.1 U (3/23/2015) | (0.0444 - 0.1)/(44 - 9) | -0.00158857 |
| 0.0752 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.0752 - 0.1)/(45 - 9) | -0.000688889 |
| 0.0557 (5/21/2024) | ND<0.1 U (3/23/2015) | (0.0557 - 0.1)/(46 - 9) | -0.0011973 |
| 0.0711 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.0711 - 0.1)/(47 - 9) | -0.000760526 |
| 0.452 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.452 - 0.1)/(48 - 9) | 0.00902564 |
| 0.0842 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.0842 - 0.1)/(49 - 9) | -0.000395 |
| | | | |
| ND<0.1 U (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(12 - 10) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(16 - 10) | 0.005 |
| 0.12 (3/2/2017) | ND<0.1 U (4/22/2015) | (0.12 - 0.1)/(17 - 10) | 0.00285714 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(23 - 10) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (4/22/2015) | (0.141 - 0.1)/(24 - 10) | 0.00292857 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (4/22/2015) | (0.179 - 0.1)/(27 - 10) | 0.00464706 |
| 0.166 (10/29/2019) | ND<0.1 U (4/22/2015) | (0.166 - 0.1)/(28 - 10) | 0.00366667 |
| 0.166 (3/30/2020) | ND<0.1 U (4/22/2015) | (0.166 - 0.1)/(29 - 10) | 0.00347368 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(35 - 10) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(36 - 10) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(38 - 10) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (4/22/2015) | (0.0588 - 0.1)/(42 - 10) | -0.0012875 |
| 0.0895 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.0895 - 0.1)/(43 - 10) | -0.000318182 |
| 0.0444 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.0444 - 0.1)/(44 - 10) | -0.00163529 |
| 0.0752 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.0752 - 0.1)/(45 - 10) | -0.000708571 |
| 0.0557 (5/21/2024) | ND<0.1 U (4/22/2015) | (0.0557 - 0.1)/(46 - 10) | -0.00123056 |
| 0.0711 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.0711 - 0.1)/(47 - 10) | -0.000781081 |
| 0.452 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.452 - 0.1)/(48 - 10) | 0.00926316 |
| 0.0842 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.0842 - 0.1)/(49 - 10) | -0.000405128 |
| | | | |
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(12 - 11) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(13 - 11) | 0 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.13 - 0.1)/(16 - 11) | 0.006 |
| 0.12 (3/2/2017) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(17 - 11) | 0.00333333 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(21 - 11) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (9/30/2015) | (0.141 - 0.1)/(24 - 11) | 0.00315385 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (9/30/2015) | (0.179 - 0.1)/(27 - 11) | 0.0049375 |
| 0.166 (10/29/2019) | ND<0.1 U (9/30/2015) | (0.166 - 0.1)/(28 - 11) | 0.00388235 |
| 0.166 (3/30/2020) | ND<0.1 U (9/30/2015) | (0.166 - 0.1)/(29 - 11) | 0.00366667 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(34 - 11) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(37 - 11) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(38 - 11) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (9/30/2015) | (0.0588 - 0.1)/(42 - 11) | -0.00132903 |
| 0.0895 (8/7/2023) | ND<0.1 U (9/30/2015) | (0.0895 - 0.1)/(43 - 11) | -0.000328125 |
| 0.0444 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.0444 - 0.1)/(44 - 11) | -0.00168485 |
| 0.0752 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.0752 - 0.1)/(45 - 11) | -0.000729412 |
| 0.0557 (5/21/2024) | ND<0.1 U (9/30/2015) | (0.0557 - 0.1)/(46 - 11) | -0.00126571 |
| 0.0711 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.0711 - 0.1)/(47 - 11) | -0.000802778 |
| 0.452 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.452 - 0.1)/(48 - 11) | 0.00951351 |
| 0.0842 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.0842 - 0.1)/(49 - 11) | -0.000415789 |

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|---|---|---|---|
| ND<0.1 U (3/15/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(13 - 12) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(14 - 12) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(15 - 12) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (11/19/2015) | (0.13 - 0.1)/(16 - 12) | 0.0075 |
| 0.12 (3/2/2017) | ND<0.1 U (11/19/2015) | (0.12 - 0.1)/(17 - 12) | 0.004 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(18 - 12) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(19 - 12) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(20 - 12) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(21 - 12) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(22 - 12) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(23 - 12) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (11/19/2015) | (0.141 - 0.1)/(24 - 12) | 0.00341667 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(25 - 12) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(26 - 12) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (11/19/2015) | (0.179 - 0.1)/(27 - 12) | 0.00526667 |
| 0.166 (10/29/2019) | ND<0.1 U (11/19/2015) | (0.166 - 0.1)/(28 - 12) | 0.004125 |
| 0.166 (3/30/2020) | ND<0.1 U (11/19/2015) | (0.166 - 0.1)/(29 - 12) | 0.00388235 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(30 - 12) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(31 - 12) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(32 - 12) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(33 - 12) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(34 - 12) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(35 - 12) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(36 - 12) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(37 - 12) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(38 - 12) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(39 - 12) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(40 - 12) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(41 - 12) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (11/19/2015) | (0.0588 - 0.1)/(42 - 12) | -0.00137333 |
| 0.0895 (8/7/2023) | ND<0.1 U (11/19/2015) | (0.0895 - 0.1)/(43 - 12) | -0.00033871 |
| 0.0444 (12/12/2023) | ND<0.1 U (11/19/2015) | (0.0444 - 0.1)/(44 - 12) | -0.0017375 |
| 0.0752 (1/10/2024) | ND<0.1 U (11/19/2015) | (0.0752 - 0.1)/(45 - 12) | -0.000751515 |
| 0.0557 (5/21/2024) | ND<0.1 U (11/19/2015) | (0.0557 - 0.1)/(46 - 12) | -0.00130294 |
| 0.0711 (9/16/2024) | ND<0.1 U (11/19/2015) | (0.0711 - 0.1)/(47 - 12) | -0.000825714 |
| 0.452 (12/11/2024) | ND<0.1 U (11/19/2015) | (0.452 - 0.1)/(48 - 12) | 0.00977778 |
| 0.0842 (2/18/2025) | ND<0.1 U (11/19/2015) | (0.0842 - 0.1)/(49 - 12) | -0.000427027 |
| | | | |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(14 - 13) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(15 - 13) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (3/15/2016) | (0.13 - 0.1)/(16 - 13) | 0.01 |
| 0.12 (3/2/2017) | ND<0.1 U (3/15/2016) | (0.12 - 0.1)/(17 - 13) | 0.005 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(18 - 13) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(19 - 13) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(20 - 13) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(21 - 13) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(22 - 13) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(23 - 13) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (3/15/2016) | (0.141 - 0.1)/(24 - 13) | 0.00372727 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (3/15/2016) | (0.179 - 0.1)/(27 - 13) | 0.00564286 |
| 0.166 (10/29/2019) | ND<0.1 U (3/15/2016) | (0.166 - 0.1)/(28 - 13) | 0.0044 |
| 0.166 (3/30/2020) | ND<0.1 U (3/15/2016) | (0.166 - 0.1)/(29 - 13) | 0.004125 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(30 - 13) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(34 - 13) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(35 - 13) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(36 - 13) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(37 - 13) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(38 - 13) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(39 - 13) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (3/15/2016) | (0.0588 - 0.1)/(42 - 13) | -0.00142069 |
| 0.0895 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.0895 - 0.1)/(43 - 13) | -0.00035 |
| 0.0444 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.0444 - 0.1)/(44 - 13) | -0.00179355 |
| 0.0752 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.0752 - 0.1)/(45 - 13) | -0.000775 |
| 0.0557 (5/21/2024) | ND<0.1 U (3/15/2016) | (0.0557 - 0.1)/(46 - 13) | -0.00134242 |
| 0.0711 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.0711 - 0.1)/(47 - 13) | -0.00085 |
| 0.452 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.452 - 0.1)/(48 - 13) | 0.0100571 |
| 0.0842 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.0842 - 0.1)/(49 - 13) | -0.000438889 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.13 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.13 - 0.1)/(16 - 14) | 0.015 |

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|---|---|---|---|
| 0.12 (3/2/2017) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(17 - 14) | 0.00666667 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (6/29/2016) | (0.141 - 0.1)/(24 - 14) | 0.0041 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (6/29/2016) | (0.179 - 0.1)/(27 - 14) | 0.00607692 |
| 0.166 (10/29/2019) | ND<0.1 U (6/29/2016) | (0.166 - 0.1)/(28 - 14) | 0.00471429 |
| 0.166 (3/30/2020) | ND<0.1 U (6/29/2016) | (0.166 - 0.1)/(29 - 14) | 0.0044 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(38 - 14) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (6/29/2016) | (0.0588 - 0.1)/(42 - 14) | -0.00147143 |
| 0.0895 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.0895 - 0.1)/(43 - 14) | -0.000362069 |
| 0.0444 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.0444 - 0.1)/(44 - 14) | -0.00185333 |
| 0.0752 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.0752 - 0.1)/(45 - 14) | -0.0008 |
| 0.0557 (5/21/2024) | ND<0.1 U (6/29/2016) | (0.0557 - 0.1)/(46 - 14) | -0.00138438 |
| 0.0711 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.0711 - 0.1)/(47 - 14) | -0.000875758 |
| 0.452 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.452 - 0.1)/(48 - 14) | 0.0103529 |
| 0.0842 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.0842 - 0.1)/(49 - 14) | -0.000451429 |
| | | | |
| 0.13 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.13 - 0.1)/(16 - 15) | 0.03 |
| 0.12 (3/2/2017) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(17 - 15) | 0.01 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (8/9/2016) | (0.141 - 0.1)/(24 - 15) | 0.00455556 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (8/9/2016) | (0.179 - 0.1)/(27 - 15) | 0.00658333 |
| 0.166 (10/29/2019) | ND<0.1 U (8/9/2016) | (0.166 - 0.1)/(28 - 15) | 0.00507692 |
| 0.166 (3/30/2020) | ND<0.1 U (8/9/2016) | (0.166 - 0.1)/(29 - 15) | 0.00471429 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(38 - 15) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (8/9/2016) | (0.0588 - 0.1)/(42 - 15) | -0.00152593 |
| 0.0895 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.0895 - 0.1)/(43 - 15) | -0.000375 |
| 0.0444 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.0444 - 0.1)/(44 - 15) | -0.00191724 |
| 0.0752 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.0752 - 0.1)/(45 - 15) | -0.000826667 |
| 0.0557 (5/21/2024) | ND<0.1 U (8/9/2016) | (0.0557 - 0.1)/(46 - 15) | -0.00142903 |
| 0.0711 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.0711 - 0.1)/(47 - 15) | -0.000903125 |
| 0.452 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.452 - 0.1)/(48 - 15) | 0.0106667 |
| 0.0842 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.0842 - 0.1)/(49 - 15) | -0.000464706 |
| | | | |
| 0.12 (3/2/2017) | 0.13 (12/7/2016) | (0.12 - 0.13)/(17 - 16) | -0.01 |
| ND<0.1 U (7/5/2017) | 0.13 (12/7/2016) | (0.1 - 0.13)/(18 - 16) | -0.015 |
| ND<0.1 U (8/16/2017) | 0.13 (12/7/2016) | (0.1 - 0.13)/(19 - 16) | -0.01 |
| ND<0.1 U (10/25/2017) | 0.13 (12/7/2016) | (0.1 - 0.13)/(20 - 16) | -0.0075 |
| ND<0.1 U (3/28/2018) | 0.13 (12/7/2016) | (0.1 - 0.13)/(21 - 16) | -0.006 |
| ND<0.1 U (6/29/2018) | 0.13 (12/7/2016) | (0.1 - 0.13)/(22 - 16) | -0.005 |
| ND<0.1 U (8/2/2018) | 0.13 (12/7/2016) | (0.1 - 0.13)/(23 - 16) | -0.00428571 |
| 0.141 (12/10/2018) | 0.13 (12/7/2016) | (0.141 - 0.13)/(24 - 16) | 0.001375 |
| ND<0.1 U (4/15/2019) | 0.13 (12/7/2016) | (0.1 - 0.13)/(25 - 16) | -0.00333333 |
| ND<0.1 U (6/12/2019) | 0.13 (12/7/2016) | (0.1 - 0.13)/(26 - 16) | -0.003 |
| 0.179 (8/27/2019) | 0.13 (12/7/2016) | (0.179 - 0.13)/(27 - 16) | 0.00445455 |
| 0.166 (10/29/2019) | 0.13 (12/7/2016) | (0.166 - 0.13)/(28 - 16) | 0.003 |
| 0.166 (3/30/2020) | 0.13 (12/7/2016) | (0.166 - 0.13)/(29 - 16) | 0.00276923 |
| ND<0.1 U (6/16/2020) | 0.13 (12/7/2016) | (0.1 - 0.13)/(30 - 16) | -0.00214286 |
| ND<0.1 U (9/21/2020) | 0.13 (12/7/2016) | (0.1 - 0.13)/(31 - 16) | -0.002 |
| ND<0.1 U (12/17/2020) | 0.13 (12/7/2016) | (0.1 - 0.13)/(32 - 16) | -0.001875 |
| ND<0.1 U (3/18/2021) | 0.13 (12/7/2016) | (0.1 - 0.13)/(33 - 16) | -0.00176471 |
| ND<0.1 U (5/5/2021) | 0.13 (12/7/2016) | (0.1 - 0.13)/(34 - 16) | -0.00166667 |
| ND<0.1 U (9/2/2021) | 0.13 (12/7/2016) | (0.1 - 0.13)/(35 - 16) | -0.00157895 |
| ND<0.1 U (11/23/2021) | 0.13 (12/7/2016) | (0.1 - 0.13)/(36 - 16) | -0.0015 |
| ND<0.1 U (1/11/2022) | 0.13 (12/7/2016) | (0.1 - 0.13)/(37 - 16) | -0.00142857 |
| ND<0.1 U (4/7/2022) | 0.13 (12/7/2016) | (0.1 - 0.13)/(38 - 16) | -0.00136364 |
| ND<0.1 U (8/2/2022) | 0.13 (12/7/2016) | (0.1 - 0.13)/(39 - 16) | -0.00130435 |
| ND<0.1 U (11/16/2022) | 0.13 (12/7/2016) | (0.1 - 0.13)/(40 - 16) | -0.00125 |
| ND<0.1 U (2/14/2023) | 0.13 (12/7/2016) | (0.1 - 0.13)/(41 - 16) | -0.0012 |
| 0.0588 (5/25/2023) | 0.13 (12/7/2016) | (0.0588 - 0.13)/(42 - 16) | -0.00273846 |
| 0.0895 (8/7/2023) | 0.13 (12/7/2016) | (0.0895 - 0.13)/(43 - 16) | -0.0015 |
| 0.0444 (12/12/2023) | 0.13 (12/7/2016) | (0.0444 - 0.13)/(44 - 16) | -0.00305714 |
| 0.0752 (1/10/2024) | 0.13 (12/7/2016) | (0.0752 - 0.13)/(45 - 16) | -0.00188966 |
| 0.0557 (5/21/2024) | 0.13 (12/7/2016) | (0.0557 - 0.13)/(46 - 16) | -0.00247667 |
| 0.0711 (9/16/2024) | 0.13 (12/7/2016) | (0.0711 - 0.13)/(47 - 16) | -0.0019 |
| 0.452 (12/11/2024) | 0.13 (12/7/2016) | (0.452 - 0.13)/(48 - 16) | 0.0100625 |
| 0.0842 (2/18/2025) | 0.13 (12/7/2016) | (0.0842 - 0.13)/(49 - 16) | -0.00138788 |
| | | | |
| ND<0.1 U (7/5/2017) | 0.12 (3/2/2017) | (0.1 - 0.12)/(18 - 17) | -0.02 |
| ND<0.1 U (8/16/2017) | 0.12 (3/2/2017) | (0.1 - 0.12)/(19 - 17) | -0.01 |
| ND<0.1 U (10/25/2017) | 0.12 (3/2/2017) | (0.1 - 0.12)/(20 - 17) | -0.00666667 |
| ND<0.1 U (3/28/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(21 - 17) | -0.005 |
| ND<0.1 U (6/29/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(22 - 17) | -0.004 |
| ND<0.1 U (8/2/2018) | 0.12 (3/2/2017) | (0.1 - 0.12)/(23 - 17) | -0.00333333 |
| 0.141 (12/10/2018) | 0.12 (3/2/2017) | (0.141 - 0.12)/(24 - 17) | 0.003 |
| ND<0.1 U (4/15/2019) | 0.12 (3/2/2017) | (0.1 - 0.12)/(25 - 17) | -0.0025 |
| ND<0.1 U (6/12/2019) | 0.12 (3/2/2017) | (0.1 - 0.12)/(26 - 17) | -0.00222222 |
| 0.179 (8/27/2019) | 0.12 (3/2/2017) | (0.179 - 0.12)/(27 - 17) | 0.0059 |
| 0.166 (10/29/2019) | 0.12 (3/2/2017) | (0.166 - 0.12)/(28 - 17) | 0.00418182 |

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|---|---|---|---|
| 0.166 (3/30/2020) | 0.12 (3/2/2017) | (0.166 - 0.12)/(29 - 17) | 0.00383333 |
| ND<0.1 U (6/16/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(30 - 17) | -0.00153846 |
| ND<0.1 U (9/21/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(31 - 17) | -0.00142857 |
| ND<0.1 U (12/17/2020) | 0.12 (3/2/2017) | (0.1 - 0.12)/(32 - 17) | -0.00133333 |
| ND<0.1 U (3/18/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(33 - 17) | -0.00125 |
| ND<0.1 U (5/5/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(34 - 17) | -0.00117647 |
| ND<0.1 U (9/2/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(35 - 17) | -0.00111111 |
| ND<0.1 U (11/23/2021) | 0.12 (3/2/2017) | (0.1 - 0.12)/(36 - 17) | -0.00105263 |
| ND<0.1 U (1/11/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(37 - 17) | -0.001 |
| ND<0.1 U (4/7/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(38 - 17) | -0.000952381 |
| ND<0.1 U (8/2/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(39 - 17) | -0.000909091 |
| ND<0.1 U (11/16/2022) | 0.12 (3/2/2017) | (0.1 - 0.12)/(40 - 17) | -0.000869565 |
| ND<0.1 U (2/14/2023) | 0.12 (3/2/2017) | (0.1 - 0.12)/(41 - 17) | -0.000833333 |
| 0.0588 (5/25/2023) | 0.12 (3/2/2017) | (0.0588 - 0.12)/(42 - 17) | -0.002448 |
| 0.0895 (8/7/2023) | 0.12 (3/2/2017) | (0.0895 - 0.12)/(43 - 17) | -0.00117308 |
| 0.0444 (12/12/2023) | 0.12 (3/2/2017) | (0.0444 - 0.12)/(44 - 17) | -0.0028 |
| 0.0752 (1/10/2024) | 0.12 (3/2/2017) | (0.0752 - 0.12)/(45 - 17) | -0.0016 |
| 0.0557 (5/21/2024) | 0.12 (3/2/2017) | (0.0557 - 0.12)/(46 - 17) | -0.00221724 |
| 0.0711 (9/16/2024) | 0.12 (3/2/2017) | (0.0711 - 0.12)/(47 - 17) | -0.00163 |
| 0.452 (12/11/2024) | 0.12 (3/2/2017) | (0.452 - 0.12)/(48 - 17) | 0.0107097 |
| 0.0842 (2/18/2025) | 0.12 (3/2/2017) | (0.0842 - 0.12)/(49 - 17) | -0.00111875 |

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| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (7/5/2017) | (0.141 - 0.1)/(24 - 18) | 0.00683333 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (7/5/2017) | (0.179 - 0.1)/(27 - 18) | 0.00877778 |
| 0.166 (10/29/2019) | ND<0.1 U (7/5/2017) | (0.166 - 0.1)/(28 - 18) | 0.0066 |
| 0.166 (3/30/2020) | ND<0.1 U (7/5/2017) | (0.166 - 0.1)/(29 - 18) | 0.006 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(38 - 18) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (7/5/2017) | (0.0588 - 0.1)/(42 - 18) | -0.00171667 |
| 0.0895 (8/7/2023) | ND<0.1 U (7/5/2017) | (0.0895 - 0.1)/(43 - 18) | -0.00042 |
| 0.0444 (12/12/2023) | ND<0.1 U (7/5/2017) | (0.0444 - 0.1)/(44 - 18) | -0.00213846 |
| 0.0752 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.0752 - 0.1)/(45 - 18) | -0.000918519 |
| 0.0557 (5/21/2024) | ND<0.1 U (7/5/2017) | (0.0557 - 0.1)/(46 - 18) | -0.00158214 |
| 0.0711 (9/16/2024) | ND<0.1 U (7/5/2017) | (0.0711 - 0.1)/(47 - 18) | -0.000996552 |
| 0.452 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.452 - 0.1)/(48 - 18) | 0.0117333 |
| 0.0842 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.0842 - 0.1)/(49 - 18) | -0.000509677 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(21 - 19) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (8/16/2017) | (0.141 - 0.1)/(24 - 19) | 0.0082 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (8/16/2017) | (0.179 - 0.1)/(27 - 19) | 0.009875 |
| 0.166 (10/29/2019) | ND<0.1 U (8/16/2017) | (0.166 - 0.1)/(28 - 19) | 0.00733333 |
| 0.166 (3/30/2020) | ND<0.1 U (8/16/2017) | (0.166 - 0.1)/(29 - 19) | 0.0066 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(34 - 19) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(37 - 19) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(38 - 19) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (8/16/2017) | (0.0588 - 0.1)/(42 - 19) | -0.0017913 |
| 0.0895 (8/7/2023) | ND<0.1 U (8/16/2017) | (0.0895 - 0.1)/(43 - 19) | -0.0004375 |
| 0.0444 (12/12/2023) | ND<0.1 U (8/16/2017) | (0.0444 - 0.1)/(44 - 19) | -0.002224 |
| 0.0752 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.0752 - 0.1)/(45 - 19) | -0.000953846 |
| 0.0557 (5/21/2024) | ND<0.1 U (8/16/2017) | (0.0557 - 0.1)/(46 - 19) | -0.00164074 |
| 0.0711 (9/16/2024) | ND<0.1 U (8/16/2017) | (0.0711 - 0.1)/(47 - 19) | -0.00103214 |
| 0.452 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.452 - 0.1)/(48 - 19) | 0.0121379 |
| 0.0842 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.0842 - 0.1)/(49 - 19) | -0.000526667 |
| | | | |
| ND<0.1 U (3/28/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(21 - 20) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (10/25/2017) | (0.141 - 0.1)/(24 - 20) | 0.01025 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (10/25/2017) | (0.179 - 0.1)/(27 - 20) | 0.0112857 |
| 0.166 (10/29/2019) | ND<0.1 U (10/25/2017) | (0.166 - 0.1)/(28 - 20) | 0.00825 |
| 0.166 (3/30/2020) | ND<0.1 U (10/25/2017) | (0.166 - 0.1)/(29 - 20) | 0.00733333 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(33 - 20) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(34 - 20) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(36 - 20) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(37 - 20) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(38 - 20) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (10/25/2017) | (0.0588 - 0.1)/(42 - 20) | -0.00187273 |
| 0.0895 (8/7/2023) | ND<0.1 U (10/25/2017) | (0.0895 - 0.1)/(43 - 20) | -0.000456522 |
| 0.0444 (12/12/2023) | ND<0.1 U (10/25/2017) | (0.0444 - 0.1)/(44 - 20) | -0.00231667 |
| 0.0752 (1/10/2024) | ND<0.1 U (10/25/2017) | (0.0752 - 0.1)/(45 - 20) | -0.000992 |
| 0.0557 (5/21/2024) | ND<0.1 U (10/25/2017) | (0.0557 - 0.1)/(46 - 20) | -0.00170385 |
| 0.0711 (9/16/2024) | ND<0.1 U (10/25/2017) | (0.0711 - 0.1)/(47 - 20) | -0.00107037 |
| 0.452 (12/11/2024) | ND<0.1 U (10/25/2017) | (0.452 - 0.1)/(48 - 20) | 0.0125714 |
| 0.0842 (2/18/2025) | ND<0.1 U (10/25/2017) | (0.0842 - 0.1)/(49 - 20) | -0.000544828 |

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|---|---|---|---|
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(22 - 21) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(23 - 21) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (3/28/2018) | (0.141 - 0.1)/(24 - 21) | 0.0136667 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (3/28/2018) | (0.179 - 0.1)/(27 - 21) | 0.0131667 |
| 0.166 (10/29/2019) | ND<0.1 U (3/28/2018) | (0.166 - 0.1)/(28 - 21) | 0.00942857 |
| 0.166 (3/30/2020) | ND<0.1 U (3/28/2018) | (0.166 - 0.1)/(29 - 21) | 0.00825 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(31 - 21) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(35 - 21) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(36 - 21) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(38 - 21) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(39 - 21) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (3/28/2018) | (0.0588 - 0.1)/(42 - 21) | -0.0019619 |
| 0.0895 (8/7/2023) | ND<0.1 U (3/28/2018) | (0.0895 - 0.1)/(43 - 21) | -0.000477273 |
| 0.0444 (12/12/2023) | ND<0.1 U (3/28/2018) | (0.0444 - 0.1)/(44 - 21) | -0.00241739 |
| 0.0752 (1/10/2024) | ND<0.1 U (3/28/2018) | (0.0752 - 0.1)/(45 - 21) | -0.00103333 |
| 0.0557 (5/21/2024) | ND<0.1 U (3/28/2018) | (0.0557 - 0.1)/(46 - 21) | -0.001772 |
| 0.0711 (9/16/2024) | ND<0.1 U (3/28/2018) | (0.0711 - 0.1)/(47 - 21) | -0.00111154 |
| 0.452 (12/11/2024) | ND<0.1 U (3/28/2018) | (0.452 - 0.1)/(48 - 21) | 0.013037 |
| 0.0842 (2/18/2025) | ND<0.1 U (3/28/2018) | (0.0842 - 0.1)/(49 - 21) | -0.000564286 |
| | | | |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| 0.141 (12/10/2018) | ND<0.1 U (6/29/2018) | (0.141 - 0.1)/(24 - 22) | 0.0205 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (6/29/2018) | (0.179 - 0.1)/(27 - 22) | 0.0158 |
| 0.166 (10/29/2019) | ND<0.1 U (6/29/2018) | (0.166 - 0.1)/(28 - 22) | 0.011 |
| 0.166 (3/30/2020) | ND<0.1 U (6/29/2018) | (0.166 - 0.1)/(29 - 22) | 0.00942857 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(37 - 22) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(38 - 22) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(41 - 22) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (6/29/2018) | (0.0588 - 0.1)/(42 - 22) | -0.00206 |
| 0.0895 (8/7/2023) | ND<0.1 U (6/29/2018) | (0.0895 - 0.1)/(43 - 22) | -0.0005 |
| 0.0444 (12/12/2023) | ND<0.1 U (6/29/2018) | (0.0444 - 0.1)/(44 - 22) | -0.00252727 |
| 0.0752 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.0752 - 0.1)/(45 - 22) | -0.00107826 |
| 0.0557 (5/21/2024) | ND<0.1 U (6/29/2018) | (0.0557 - 0.1)/(46 - 22) | -0.00184583 |
| 0.0711 (9/16/2024) | ND<0.1 U (6/29/2018) | (0.0711 - 0.1)/(47 - 22) | -0.001156 |
| 0.452 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.452 - 0.1)/(48 - 22) | 0.0135385 |
| 0.0842 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.0842 - 0.1)/(49 - 22) | -0.000585185 |

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|---|---|---|---|
| 0.141 (12/10/2018) | ND<0.1 U (8/2/2018) | (0.141 - 0.1)/(24 - 23) | 0.041 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(25 - 23) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (8/2/2018) | (0.179 - 0.1)/(27 - 23) | 0.01975 |
| 0.166 (10/29/2019) | ND<0.1 U (8/2/2018) | (0.166 - 0.1)/(28 - 23) | 0.0132 |
| 0.166 (3/30/2020) | ND<0.1 U (8/2/2018) | (0.166 - 0.1)/(29 - 23) | 0.011 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(32 - 23) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(33 - 23) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(34 - 23) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(36 - 23) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(37 - 23) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(38 - 23) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(41 - 23) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (8/2/2018) | (0.0588 - 0.1)/(42 - 23) | -0.00216842 |
| 0.0895 (8/7/2023) | ND<0.1 U (8/2/2018) | (0.0895 - 0.1)/(43 - 23) | -0.000525 |
| 0.0444 (12/12/2023) | ND<0.1 U (8/2/2018) | (0.0444 - 0.1)/(44 - 23) | -0.00264762 |
| 0.0752 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.0752 - 0.1)/(45 - 23) | -0.00112727 |
| 0.0557 (5/21/2024) | ND<0.1 U (8/2/2018) | (0.0557 - 0.1)/(46 - 23) | -0.00192609 |
| 0.0711 (9/16/2024) | ND<0.1 U (8/2/2018) | (0.0711 - 0.1)/(47 - 23) | -0.00120417 |
| 0.452 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.452 - 0.1)/(48 - 23) | 0.01408 |
| 0.0842 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.0842 - 0.1)/(49 - 23) | -0.000607692 |
| | | | |
| ND<0.1 U (4/15/2019) | 0.141 (12/10/2018) | (0.1 - 0.141)/(25 - 24) | -0.041 |
| ND<0.1 U (6/12/2019) | 0.141 (12/10/2018) | (0.1 - 0.141)/(26 - 24) | -0.0205 |
| 0.179 (8/27/2019) | 0.141 (12/10/2018) | (0.179 - 0.141)/(27 - 24) | 0.0126667 |
| 0.166 (10/29/2019) | 0.141 (12/10/2018) | (0.166 - 0.141)/(28 - 24) | 0.00625 |
| 0.166 (3/30/2020) | 0.141 (12/10/2018) | (0.166 - 0.141)/(29 - 24) | 0.005 |
| ND<0.1 U (6/16/2020) | 0.141 (12/10/2018) | (0.1 - 0.141)/(30 - 24) | -0.00683333 |
| ND<0.1 U (9/21/2020) | 0.141 (12/10/2018) | (0.1 - 0.141)/(31 - 24) | -0.00585714 |
| ND<0.1 U (12/17/2020) | 0.141 (12/10/2018) | (0.1 - 0.141)/(32 - 24) | -0.005125 |
| ND<0.1 U (3/18/2021) | 0.141 (12/10/2018) | (0.1 - 0.141)/(33 - 24) | -0.00455556 |
| ND<0.1 U (5/5/2021) | 0.141 (12/10/2018) | (0.1 - 0.141)/(34 - 24) | -0.0041 |
| ND<0.1 U (9/2/2021) | 0.141 (12/10/2018) | (0.1 - 0.141)/(35 - 24) | -0.00372727 |
| ND<0.1 U (11/23/2021) | 0.141 (12/10/2018) | (0.1 - 0.141)/(36 - 24) | -0.00341667 |
| ND<0.1 U (1/11/2022) | 0.141 (12/10/2018) | (0.1 - 0.141)/(37 - 24) | -0.00315385 |
| ND<0.1 U (4/7/2022) | 0.141 (12/10/2018) | (0.1 - 0.141)/(38 - 24) | -0.00292857 |
| ND<0.1 U (8/2/2022) | 0.141 (12/10/2018) | (0.1 - 0.141)/(39 - 24) | -0.00273333 |
| ND<0.1 U (11/16/2022) | 0.141 (12/10/2018) | (0.1 - 0.141)/(40 - 24) | -0.0025625 |
| ND<0.1 U (2/14/2023) | 0.141 (12/10/2018) | (0.1 - 0.141)/(41 - 24) | -0.00241176 |
| 0.0588 (5/25/2023) | 0.141 (12/10/2018) | (0.0588 - 0.141)/(42 - 24) | -0.00456667 |
| 0.0895 (8/7/2023) | 0.141 (12/10/2018) | (0.0895 - 0.141)/(43 - 24) | -0.00271053 |
| 0.0444 (12/12/2023) | 0.141 (12/10/2018) | (0.0444 - 0.141)/(44 - 24) | -0.00483 |
| 0.0752 (1/10/2024) | 0.141 (12/10/2018) | (0.0752 - 0.141)/(45 - 24) | -0.00313333 |
| 0.0557 (5/21/2024) | 0.141 (12/10/2018) | (0.0557 - 0.141)/(46 - 24) | -0.00387727 |
| 0.0711 (9/16/2024) | 0.141 (12/10/2018) | (0.0711 - 0.141)/(47 - 24) | -0.00303913 |
| 0.452 (12/11/2024) | 0.141 (12/10/2018) | (0.452 - 0.141)/(48 - 24) | 0.0129583 |
| 0.0842 (2/18/2025) | 0.141 (12/10/2018) | (0.0842 - 0.141)/(49 - 24) | -0.002272 |
| | | | |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| 0.179 (8/27/2019) | ND<0.1 U (4/15/2019) | (0.179 - 0.1)/(27 - 25) | 0.0395 |
| 0.166 (10/29/2019) | ND<0.1 U (4/15/2019) | (0.166 - 0.1)/(28 - 25) | 0.022 |

| | | | |
|---|---|---|---|
| 0.166 (3/30/2020) | ND<0.1 U (4/15/2019) | (0.166 - 0.1)/(29 - 25) | 0.0165 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(35 - 25) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(36 - 25) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(38 - 25) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (4/15/2019) | (0.0588 - 0.1)/(42 - 25) | -0.00242353 |
| 0.0895 (8/7/2023) | ND<0.1 U (4/15/2019) | (0.0895 - 0.1)/(43 - 25) | -0.000583333 |
| 0.0444 (12/12/2023) | ND<0.1 U (4/15/2019) | (0.0444 - 0.1)/(44 - 25) | -0.00292632 |
| 0.0752 (1/10/2024) | ND<0.1 U (4/15/2019) | (0.0752 - 0.1)/(45 - 25) | -0.00124 |
| 0.0557 (5/21/2024) | ND<0.1 U (4/15/2019) | (0.0557 - 0.1)/(46 - 25) | -0.00210952 |
| 0.0711 (9/16/2024) | ND<0.1 U (4/15/2019) | (0.0711 - 0.1)/(47 - 25) | -0.00131364 |
| 0.452 (12/11/2024) | ND<0.1 U (4/15/2019) | (0.452 - 0.1)/(48 - 25) | 0.0153043 |
| 0.0842 (2/18/2025) | ND<0.1 U (4/15/2019) | (0.0842 - 0.1)/(49 - 25) | -0.000658333 |
| | | | |
| 0.179 (8/27/2019) | ND<0.1 U (6/12/2019) | (0.179 - 0.1)/(27 - 26) | 0.079 |
| 0.166 (10/29/2019) | ND<0.1 U (6/12/2019) | (0.166 - 0.1)/(28 - 26) | 0.033 |
| 0.166 (3/30/2020) | ND<0.1 U (6/12/2019) | (0.166 - 0.1)/(29 - 26) | 0.022 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(38 - 26) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (6/12/2019) | (0.0588 - 0.1)/(42 - 26) | -0.002575 |
| 0.0895 (8/7/2023) | ND<0.1 U (6/12/2019) | (0.0895 - 0.1)/(43 - 26) | -0.000617647 |
| 0.0444 (12/12/2023) | ND<0.1 U (6/12/2019) | (0.0444 - 0.1)/(44 - 26) | -0.00308889 |
| 0.0752 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.0752 - 0.1)/(45 - 26) | -0.00130526 |
| 0.0557 (5/21/2024) | ND<0.1 U (6/12/2019) | (0.0557 - 0.1)/(46 - 26) | -0.002215 |
| 0.0711 (9/16/2024) | ND<0.1 U (6/12/2019) | (0.0711 - 0.1)/(47 - 26) | -0.00137619 |
| 0.452 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.452 - 0.1)/(48 - 26) | 0.016 |
| 0.0842 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.0842 - 0.1)/(49 - 26) | -0.000686957 |
| | | | |
| 0.166 (10/29/2019) | 0.179 (8/27/2019) | (0.166 - 0.179)/(28 - 27) | -0.013 |
| 0.166 (3/30/2020) | 0.179 (8/27/2019) | (0.166 - 0.179)/(29 - 27) | -0.0065 |
| ND<0.1 U (6/16/2020) | 0.179 (8/27/2019) | (0.1 - 0.179)/(30 - 27) | -0.0263333 |
| ND<0.1 U (9/21/2020) | 0.179 (8/27/2019) | (0.1 - 0.179)/(31 - 27) | -0.01975 |
| ND<0.1 U (12/17/2020) | 0.179 (8/27/2019) | (0.1 - 0.179)/(32 - 27) | -0.0158 |
| ND<0.1 U (3/18/2021) | 0.179 (8/27/2019) | (0.1 - 0.179)/(33 - 27) | -0.0131667 |
| ND<0.1 U (5/5/2021) | 0.179 (8/27/2019) | (0.1 - 0.179)/(34 - 27) | -0.0112857 |
| ND<0.1 U (9/2/2021) | 0.179 (8/27/2019) | (0.1 - 0.179)/(35 - 27) | -0.009875 |
| ND<0.1 U (11/23/2021) | 0.179 (8/27/2019) | (0.1 - 0.179)/(36 - 27) | -0.00877778 |
| ND<0.1 U (1/11/2022) | 0.179 (8/27/2019) | (0.1 - 0.179)/(37 - 27) | -0.0079 |
| ND<0.1 U (4/7/2022) | 0.179 (8/27/2019) | (0.1 - 0.179)/(38 - 27) | -0.00718182 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | 0.179 (8/27/2019) | (0.1 - 0.179)/(39 - 27) | -0.00658333 |
| ND<0.1 U (11/16/2022) | 0.179 (8/27/2019) | (0.1 - 0.179)/(40 - 27) | -0.00607692 |
| ND<0.1 U (2/14/2023) | 0.179 (8/27/2019) | (0.1 - 0.179)/(41 - 27) | -0.00564286 |
| 0.0588 (5/25/2023) | 0.179 (8/27/2019) | (0.0588 - 0.179)/(42 - 27) | -0.00801333 |
| 0.0895 (8/7/2023) | 0.179 (8/27/2019) | (0.0895 - 0.179)/(43 - 27) | -0.00559375 |
| 0.0444 (12/12/2023) | 0.179 (8/27/2019) | (0.0444 - 0.179)/(44 - 27) | -0.00791765 |
| 0.0752 (1/10/2024) | 0.179 (8/27/2019) | (0.0752 - 0.179)/(45 - 27) | -0.00576667 |
| 0.0557 (5/21/2024) | 0.179 (8/27/2019) | (0.0557 - 0.179)/(46 - 27) | -0.00648947 |
| 0.0711 (9/16/2024) | 0.179 (8/27/2019) | (0.0711 - 0.179)/(47 - 27) | -0.005395 |
| 0.452 (12/11/2024) | 0.179 (8/27/2019) | (0.452 - 0.179)/(48 - 27) | 0.013 |
| 0.0842 (2/18/2025) | 0.179 (8/27/2019) | (0.0842 - 0.179)/(49 - 27) | -0.00430909 |
| | | | |
| 0.166 (3/30/2020) | 0.166 (10/29/2019) | (0.166 - 0.166)/(29 - 28) | 0 |
| ND<0.1 U (6/16/2020) | 0.166 (10/29/2019) | (0.1 - 0.166)/(30 - 28) | -0.033 |
| ND<0.1 U (9/21/2020) | 0.166 (10/29/2019) | (0.1 - 0.166)/(31 - 28) | -0.022 |
| ND<0.1 U (12/17/2020) | 0.166 (10/29/2019) | (0.1 - 0.166)/(32 - 28) | -0.0165 |
| ND<0.1 U (3/18/2021) | 0.166 (10/29/2019) | (0.1 - 0.166)/(33 - 28) | -0.0132 |
| ND<0.1 U (5/5/2021) | 0.166 (10/29/2019) | (0.1 - 0.166)/(34 - 28) | -0.011 |
| ND<0.1 U (9/2/2021) | 0.166 (10/29/2019) | (0.1 - 0.166)/(35 - 28) | -0.00942857 |
| ND<0.1 U (11/23/2021) | 0.166 (10/29/2019) | (0.1 - 0.166)/(36 - 28) | -0.00825 |
| ND<0.1 U (1/11/2022) | 0.166 (10/29/2019) | (0.1 - 0.166)/(37 - 28) | -0.00733333 |
| ND<0.1 U (4/7/2022) | 0.166 (10/29/2019) | (0.1 - 0.166)/(38 - 28) | -0.0066 |
| ND<0.1 U (8/2/2022) | 0.166 (10/29/2019) | (0.1 - 0.166)/(39 - 28) | -0.006 |
| ND<0.1 U (11/16/2022) | 0.166 (10/29/2019) | (0.1 - 0.166)/(40 - 28) | -0.0055 |
| ND<0.1 U (2/14/2023) | 0.166 (10/29/2019) | (0.1 - 0.166)/(41 - 28) | -0.00507692 |
| 0.0588 (5/25/2023) | 0.166 (10/29/2019) | (0.0588 - 0.166)/(42 - 28) | -0.00765714 |
| 0.0895 (8/7/2023) | 0.166 (10/29/2019) | (0.0895 - 0.166)/(43 - 28) | -0.0051 |
| 0.0444 (12/12/2023) | 0.166 (10/29/2019) | (0.0444 - 0.166)/(44 - 28) | -0.0076 |
| 0.0752 (1/10/2024) | 0.166 (10/29/2019) | (0.0752 - 0.166)/(45 - 28) | -0.00534118 |
| 0.0557 (5/21/2024) | 0.166 (10/29/2019) | (0.0557 - 0.166)/(46 - 28) | -0.00612778 |
| 0.0711 (9/16/2024) | 0.166 (10/29/2019) | (0.0711 - 0.166)/(47 - 28) | -0.00499474 |
| 0.452 (12/11/2024) | 0.166 (10/29/2019) | (0.452 - 0.166)/(48 - 28) | 0.0143 |
| 0.0842 (2/18/2025) | 0.166 (10/29/2019) | (0.0842 - 0.166)/(49 - 28) | -0.00389524 |
| | | | |
| ND<0.1 U (6/16/2020) | 0.166 (3/30/2020) | (0.1 - 0.166)/(30 - 29) | -0.066 |
| ND<0.1 U (9/21/2020) | 0.166 (3/30/2020) | (0.1 - 0.166)/(31 - 29) | -0.033 |
| ND<0.1 U (12/17/2020) | 0.166 (3/30/2020) | (0.1 - 0.166)/(32 - 29) | -0.022 |
| ND<0.1 U (3/18/2021) | 0.166 (3/30/2020) | (0.1 - 0.166)/(33 - 29) | -0.0165 |
| ND<0.1 U (5/5/2021) | 0.166 (3/30/2020) | (0.1 - 0.166)/(34 - 29) | -0.0132 |
| ND<0.1 U (9/2/2021) | 0.166 (3/30/2020) | (0.1 - 0.166)/(35 - 29) | -0.011 |
| ND<0.1 U (11/23/2021) | 0.166 (3/30/2020) | (0.1 - 0.166)/(36 - 29) | -0.00942857 |
| ND<0.1 U (1/11/2022) | 0.166 (3/30/2020) | (0.1 - 0.166)/(37 - 29) | -0.00825 |
| ND<0.1 U (4/7/2022) | 0.166 (3/30/2020) | (0.1 - 0.166)/(38 - 29) | -0.00733333 |
| ND<0.1 U (8/2/2022) | 0.166 (3/30/2020) | (0.1 - 0.166)/(39 - 29) | -0.0066 |
| ND<0.1 U (11/16/2022) | 0.166 (3/30/2020) | (0.1 - 0.166)/(40 - 29) | -0.006 |
| ND<0.1 U (2/14/2023) | 0.166 (3/30/2020) | (0.1 - 0.166)/(41 - 29) | -0.0055 |
| 0.0588 (5/25/2023) | 0.166 (3/30/2020) | (0.0588 - 0.166)/(42 - 29) | -0.00824615 |
| 0.0895 (8/7/2023) | 0.166 (3/30/2020) | (0.0895 - 0.166)/(43 - 29) | -0.00546429 |
| 0.0444 (12/12/2023) | 0.166 (3/30/2020) | (0.0444 - 0.166)/(44 - 29) | -0.00810667 |
| 0.0752 (1/10/2024) | 0.166 (3/30/2020) | (0.0752 - 0.166)/(45 - 29) | -0.005675 |
| 0.0557 (5/21/2024) | 0.166 (3/30/2020) | (0.0557 - 0.166)/(46 - 29) | -0.00648824 |
| 0.0711 (9/16/2024) | 0.166 (3/30/2020) | (0.0711 - 0.166)/(47 - 29) | -0.00527222 |
| 0.452 (12/11/2024) | 0.166 (3/30/2020) | (0.452 - 0.166)/(48 - 29) | 0.0150526 |
| 0.0842 (2/18/2025) | 0.166 (3/30/2020) | (0.0842 - 0.166)/(49 - 29) | -0.00409 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(34 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(38 - 30) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (6/16/2020) | (0.0588 - 0.1)/(42 - 30) | -0.00343333 |
| 0.0895 (8/7/2023) | ND<0.1 U (6/16/2020) | (0.0895 - 0.1)/(43 - 30) | -0.000807692 |
| 0.0444 (12/12/2023) | ND<0.1 U (6/16/2020) | (0.0444 - 0.1)/(44 - 30) | -0.00397143 |
| 0.0752 (1/10/2024) | ND<0.1 U (6/16/2020) | (0.0752 - 0.1)/(45 - 30) | -0.00165333 |
| 0.0557 (5/21/2024) | ND<0.1 U (6/16/2020) | (0.0557 - 0.1)/(46 - 30) | -0.00276875 |
| 0.0711 (9/16/2024) | ND<0.1 U (6/16/2020) | (0.0711 - 0.1)/(47 - 30) | -0.0017 |
| 0.452 (12/11/2024) | ND<0.1 U (6/16/2020) | (0.452 - 0.1)/(48 - 30) | 0.0195556 |
| 0.0842 (2/18/2025) | ND<0.1 U (6/16/2020) | (0.0842 - 0.1)/(49 - 30) | -0.000831579 |
| | | | |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(37 - 31) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(38 - 31) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (9/21/2020) | (0.0588 - 0.1)/(42 - 31) | -0.00374545 |
| 0.0895 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.0895 - 0.1)/(43 - 31) | -0.000875 |
| 0.0444 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.0444 - 0.1)/(44 - 31) | -0.00427692 |
| 0.0752 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.0752 - 0.1)/(45 - 31) | -0.00177143 |
| 0.0557 (5/21/2024) | ND<0.1 U (9/21/2020) | (0.0557 - 0.1)/(46 - 31) | -0.00295333 |
| 0.0711 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.0711 - 0.1)/(47 - 31) | -0.00180625 |
| 0.452 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.452 - 0.1)/(48 - 31) | 0.0207059 |
| 0.0842 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.0842 - 0.1)/(49 - 31) | -0.000877778 |
| | | | |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(35 - 32) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(36 - 32) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(38 - 32) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (12/17/2020) | (0.0588 - 0.1)/(42 - 32) | -0.00412 |
| 0.0895 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.0895 - 0.1)/(43 - 32) | -0.000954545 |
| 0.0444 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0444 - 0.1)/(44 - 32) | -0.00463333 |
| 0.0752 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0752 - 0.1)/(45 - 32) | -0.00190769 |
| 0.0557 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.0557 - 0.1)/(46 - 32) | -0.00316429 |
| 0.0711 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0711 - 0.1)/(47 - 32) | -0.00192667 |
| 0.452 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.452 - 0.1)/(48 - 32) | 0.022 |
| 0.0842 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.0842 - 0.1)/(49 - 32) | -0.000929412 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(35 - 33) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(36 - 33) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(37 - 33) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(38 - 33) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(39 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (3/18/2021) | (0.0588 - 0.1)/(42 - 33) | -0.00457778 |
| 0.0895 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.0895 - 0.1)/(43 - 33) | -0.00105 |
| 0.0444 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0444 - 0.1)/(44 - 33) | -0.00505455 |
| 0.0752 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0752 - 0.1)/(45 - 33) | -0.00206667 |
| 0.0557 (5/21/2024) | ND<0.1 U (3/18/2021) | (0.0557 - 0.1)/(46 - 33) | -0.00340769 |
| 0.0711 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.0711 - 0.1)/(47 - 33) | -0.00206429 |
| 0.452 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.452 - 0.1)/(48 - 33) | 0.0234667 |
| 0.0842 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.0842 - 0.1)/(49 - 33) | -0.0009875 |
| | | | |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(35 - 34) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(36 - 34) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(37 - 34) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(38 - 34) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(39 - 34) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (5/5/2021) | (0.0588 - 0.1)/(42 - 34) | -0.00515 |
| 0.0895 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.0895 - 0.1)/(43 - 34) | -0.00116667 |
| 0.0444 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.0444 - 0.1)/(44 - 34) | -0.00556 |
| 0.0752 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0752 - 0.1)/(45 - 34) | -0.00225455 |
| 0.0557 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.0557 - 0.1)/(46 - 34) | -0.00369167 |
| 0.0711 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0711 - 0.1)/(47 - 34) | -0.00222308 |
| 0.452 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.452 - 0.1)/(48 - 34) | 0.0251429 |
| 0.0842 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.0842 - 0.1)/(49 - 34) | -0.00105333 |
| | | | |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(36 - 35) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(37 - 35) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(38 - 35) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 35) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(41 - 35) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (9/2/2021) | (0.0588 - 0.1)/(42 - 35) | -0.00588571 |
| 0.0895 (8/7/2023) | ND<0.1 U (9/2/2021) | (0.0895 - 0.1)/(43 - 35) | -0.0013125 |
| 0.0444 (12/12/2023) | ND<0.1 U (9/2/2021) | (0.0444 - 0.1)/(44 - 35) | -0.00617778 |
| 0.0752 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.0752 - 0.1)/(45 - 35) | -0.00248 |
| 0.0557 (5/21/2024) | ND<0.1 U (9/2/2021) | (0.0557 - 0.1)/(46 - 35) | -0.00402727 |
| 0.0711 (9/16/2024) | ND<0.1 U (9/2/2021) | (0.0711 - 0.1)/(47 - 35) | -0.00240833 |
| 0.452 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.452 - 0.1)/(48 - 35) | 0.0270769 |
| 0.0842 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.0842 - 0.1)/(49 - 35) | -0.00112857 |
| | | | |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(37 - 36) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(38 - 36) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(41 - 36) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (11/23/2021) | (0.0588 - 0.1)/(42 - 36) | -0.00686667 |
| 0.0895 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.0895 - 0.1)/(43 - 36) | -0.0015 |
| 0.0444 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.0444 - 0.1)/(44 - 36) | -0.00695 |
| 0.0752 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0752 - 0.1)/(45 - 36) | -0.00275556 |
| 0.0557 (5/21/2024) | ND<0.1 U (11/23/2021) | (0.0557 - 0.1)/(46 - 36) | -0.00443 |
| 0.0711 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.0711 - 0.1)/(47 - 36) | -0.00262727 |

| | | | |
|---|---|---|---|
| 0.452 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.452 - 0.1)/(48 - 36) | 0.0293333 |
| 0.0842 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.0842 - 0.1)/(49 - 36) | -0.00121538 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(38 - 37) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(39 - 37) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(41 - 37) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.0588 - 0.1)/(42 - 37) | -0.00824 |
| 0.0895 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.0895 - 0.1)/(43 - 37) | -0.00175 |
| 0.0444 (12/12/2023) | ND<0.1 U (1/11/2022) | (0.0444 - 0.1)/(44 - 37) | -0.00794286 |
| 0.0752 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.0752 - 0.1)/(45 - 37) | -0.0031 |
| 0.0557 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.0557 - 0.1)/(46 - 37) | -0.00492222 |
| 0.0711 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0711 - 0.1)/(47 - 37) | -0.00289 |
| 0.452 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.452 - 0.1)/(48 - 37) | 0.032 |
| 0.0842 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.0842 - 0.1)/(49 - 37) | -0.00131667 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(39 - 38) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(41 - 38) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (4/7/2022) | (0.0588 - 0.1)/(42 - 38) | -0.0103 |
| 0.0895 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.0895 - 0.1)/(43 - 38) | -0.0021 |
| 0.0444 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.0444 - 0.1)/(44 - 38) | -0.00926667 |
| 0.0752 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0752 - 0.1)/(45 - 38) | -0.00354286 |
| 0.0557 (5/21/2024) | ND<0.1 U (4/7/2022) | (0.0557 - 0.1)/(46 - 38) | -0.0055375 |
| 0.0711 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.0711 - 0.1)/(47 - 38) | -0.00321111 |
| 0.452 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.452 - 0.1)/(48 - 38) | 0.0352 |
| 0.0842 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.0842 - 0.1)/(49 - 38) | -0.00143636 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0588 - 0.1)/(42 - 39) | -0.0137333 |
| 0.0895 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.0895 - 0.1)/(43 - 39) | -0.002625 |
| 0.0444 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.0444 - 0.1)/(44 - 39) | -0.01112 |
| 0.0752 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.0752 - 0.1)/(45 - 39) | -0.00413333 |
| 0.0557 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.0557 - 0.1)/(46 - 39) | -0.00632857 |
| 0.0711 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0711 - 0.1)/(47 - 39) | -0.0036125 |
| 0.452 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.452 - 0.1)/(48 - 39) | 0.0391111 |
| 0.0842 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.0842 - 0.1)/(49 - 39) | -0.00158 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.0588 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0588 - 0.1)/(42 - 40) | -0.0206 |
| 0.0895 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0895 - 0.1)/(43 - 40) | -0.0035 |
| 0.0444 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0444 - 0.1)/(44 - 40) | -0.0139 |
| 0.0752 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0752 - 0.1)/(45 - 40) | -0.00496 |
| 0.0557 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.0557 - 0.1)/(46 - 40) | -0.00738333 |
| 0.0711 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0711 - 0.1)/(47 - 40) | -0.00412857 |
| 0.452 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.452 - 0.1)/(48 - 40) | 0.044 |
| 0.0842 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.0842 - 0.1)/(49 - 40) | -0.00175556 |
| | | | |
| 0.0588 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.0588 - 0.1)/(42 - 41) | -0.0412 |
| 0.0895 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.0895 - 0.1)/(43 - 41) | -0.00525 |
| 0.0444 (12/12/2023) | ND<0.1 U (2/14/2023) | (0.0444 - 0.1)/(44 - 41) | -0.0185333 |
| 0.0752 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.0752 - 0.1)/(45 - 41) | -0.0062 |
| 0.0557 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.0557 - 0.1)/(46 - 41) | -0.00886 |
| 0.0711 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0711 - 0.1)/(47 - 41) | -0.00481667 |
| 0.452 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.452 - 0.1)/(48 - 41) | 0.0502857 |
| 0.0842 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.0842 - 0.1)/(49 - 41) | -0.001975 |

| | | | |
|---|---|---|---|
| 0.0895 (8/7/2023) | 0.0588 (5/25/2023) | (0.0895 - 0.0588)/(43 - 42) | 0.0307 |
| 0.0444 (12/12/2023) | 0.0588 (5/25/2023) | (0.0444 - 0.0588)/(44 - 42) | -0.0072 |
| 0.0752 (1/10/2024) | 0.0588 (5/25/2023) | (0.0752 - 0.0588)/(45 - 42) | 0.00546667 |
| 0.0557 (5/21/2024) | 0.0588 (5/25/2023) | (0.0557 - 0.0588)/(46 - 42) | -0.000775 |
| 0.0711 (9/16/2024) | 0.0588 (5/25/2023) | (0.0711 - 0.0588)/(47 - 42) | 0.00246 |
| 0.452 (12/11/2024) | 0.0588 (5/25/2023) | (0.452 - 0.0588)/(48 - 42) | 0.0655333 |
| 0.0842 (2/18/2025) | 0.0588 (5/25/2023) | (0.0842 - 0.0588)/(49 - 42) | 0.00362857 |
| | | | |
| 0.0444 (12/12/2023) | 0.0895 (8/7/2023) | (0.0444 - 0.0895)/(44 - 43) | -0.0451 |
| 0.0752 (1/10/2024) | 0.0895 (8/7/2023) | (0.0752 - 0.0895)/(45 - 43) | -0.00715 |
| 0.0557 (5/21/2024) | 0.0895 (8/7/2023) | (0.0557 - 0.0895)/(46 - 43) | -0.0112667 |
| 0.0711 (9/16/2024) | 0.0895 (8/7/2023) | (0.0711 - 0.0895)/(47 - 43) | -0.0046 |
| 0.452 (12/11/2024) | 0.0895 (8/7/2023) | (0.452 - 0.0895)/(48 - 43) | 0.0725 |
| 0.0842 (2/18/2025) | 0.0895 (8/7/2023) | (0.0842 - 0.0895)/(49 - 43) | -0.000883333 |
| | | | |
| 0.0752 (1/10/2024) | 0.0444 (12/12/2023) | (0.0752 - 0.0444)/(45 - 44) | 0.0308 |
| 0.0557 (5/21/2024) | 0.0444 (12/12/2023) | (0.0557 - 0.0444)/(46 - 44) | 0.00565 |
| 0.0711 (9/16/2024) | 0.0444 (12/12/2023) | (0.0711 - 0.0444)/(47 - 44) | 0.0089 |
| 0.452 (12/11/2024) | 0.0444 (12/12/2023) | (0.452 - 0.0444)/(48 - 44) | 0.1019 |
| 0.0842 (2/18/2025) | 0.0444 (12/12/2023) | (0.0842 - 0.0444)/(49 - 44) | 0.00796 |
| | | | |
| 0.0557 (5/21/2024) | 0.0752 (1/10/2024) | (0.0557 - 0.0752)/(46 - 45) | -0.0195 |
| 0.0711 (9/16/2024) | 0.0752 (1/10/2024) | (0.0711 - 0.0752)/(47 - 45) | -0.00205 |
| 0.452 (12/11/2024) | 0.0752 (1/10/2024) | (0.452 - 0.0752)/(48 - 45) | 0.1256 |
| 0.0842 (2/18/2025) | 0.0752 (1/10/2024) | (0.0842 - 0.0752)/(49 - 45) | 0.00225 |
| | | | |
| 0.0711 (9/16/2024) | 0.0557 (5/21/2024) | (0.0711 - 0.0557)/(47 - 46) | 0.0154 |
| 0.452 (12/11/2024) | 0.0557 (5/21/2024) | (0.452 - 0.0557)/(48 - 46) | 0.19815 |
| 0.0842 (2/18/2025) | 0.0557 (5/21/2024) | (0.0842 - 0.0557)/(49 - 46) | 0.0095 |
| | | | |
| 0.452 (12/11/2024) | 0.0711 (9/16/2024) | (0.452 - 0.0711)/(48 - 47) | 0.3809 |
| 0.0842 (2/18/2025) | 0.0711 (9/16/2024) | (0.0842 - 0.0711)/(49 - 47) | 0.00655 |
| | | | |
| 0.0842 (2/18/2025) | 0.452 (12/11/2024) | (0.0842 - 0.452)/(49 - 48) | -0.3678 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
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| 1 | -0.3678 |
| 2 | -0.066 |
| 3 | -0.05 |
| 4 | -0.0451 |
| 5 | -0.0412 |
| 6 | -0.041 |
| 7 | -0.033 |
| 8 | -0.033 |
| 9 | -0.0263333 |
| 10 | -0.025 |
| 11 | -0.022 |
| 12 | -0.022 |
| 13 | -0.0206 |
| 14 | -0.0205 |
| 15 | -0.02 |
| 16 | -0.02 |

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| 17 | -0.01975 |
| 18 | -0.0195 |
| 19 | -0.0185333 |
| 20 | -0.0166667 |
| 21 | -0.0165 |
| 22 | -0.0165 |
| 23 | -0.0158 |
| 24 | -0.015 |
| 25 | -0.0139 |
| 26 | -0.0137333 |
| 27 | -0.0132 |
| 28 | -0.0132 |
| 29 | -0.0131667 |
| 30 | -0.013 |
| 31 | -0.0112857 |
| 32 | -0.0112667 |
| 33 | -0.01112 |
| 34 | -0.011 |
| 35 | -0.011 |
| 36 | -0.0103 |
| 37 | -0.01 |
| 38 | -0.01 |
| 39 | -0.01 |
| 40 | -0.01 |
| 41 | -0.01 |
| 42 | -0.009875 |
| 43 | -0.00942857 |
| 44 | -0.00942857 |
| 45 | -0.00926667 |
| 46 | -0.00886 |
| 47 | -0.00877778 |
| 48 | -0.00833333 |
| 49 | -0.00825 |
| 50 | -0.00825 |
| 51 | -0.00824615 |
| 52 | -0.00824 |
| 53 | -0.00810667 |
| 54 | -0.00801333 |
| 55 | -0.00794286 |
| 56 | -0.00791765 |
| 57 | -0.0079 |
| 58 | -0.00765714 |
| 59 | -0.0076 |
| 60 | -0.0075 |
| 61 | -0.0075 |
| 62 | -0.00738333 |
| 63 | -0.00733333 |
| 64 | -0.00733333 |
| 65 | -0.0072 |
| 66 | -0.00718182 |
| 67 | -0.00715 |
| 68 | -0.00714286 |
| 69 | -0.00695 |
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| 80 | -0.00632857 |
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| 82 | -0.0062 |
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| 84 | -0.00612778 |
| 85 | -0.00607692 |
| 86 | -0.006 |
| 87 | -0.006 |
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| 91 | -0.00576667 |
| 92 | -0.005675 |
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| 99 | -0.0055 |
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| 109 | -0.00505455 |
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| 111 | -0.005 |
| 112 | -0.005 |
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| 179 | -0.00263158 |
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| 748 | 0 |
| 749 | 0 |
| 750 | 0 |
| 751 | 0 |
| 752 | 0 |
| 753 | 0 |
| 754 | 0 |
| 755 | 0 |
| 756 | 0 |
| 757 | 0 |

| | |
|---|---|
| 758 | 0 |
| 759 | 0 |
| 760 | 0 |
| 761 | 0 |
| 762 | 0 |
| 763 | 0 |
| 764 | 0 |
| 765 | 0 |
| 766 | 0 |
| 767 | 0 |
| 768 | 0 |
| 769 | 0 |
| 770 | 0 |
| 771 | 0 |
| 772 | 0 |
| 773 | 0 |
| 774 | 0 |
| 775 | 0 |
| 776 | 0 |
| 777 | 0 |
| 778 | 0 |
| 779 | 0 |
| 780 | 0 |
| 781 | 0 |
| 782 | 0 |
| 783 | 0 |
| 784 | 0 |
| 785 | 0 |
| 786 | 0 |
| 787 | 0 |
| 788 | 0 |
| 789 | 0 |
| 790 | 0 |
| 791 | 0 |
| 792 | 0 |
| 793 | 0 |
| 794 | 0 |
| 795 | 0 |
| 796 | 0 |
| 797 | 0 |
| 798 | 0 |
| 799 | 0 |
| 800 | 0 |
| 801 | 0 |
| 802 | 0 |
| 803 | 0 |
| 804 | 0 |
| 805 | 0 |
| 806 | 0 |
| 807 | 0 |
| 808 | 0 |
| 809 | 0 |
| 810 | 0 |
| 811 | 0 |
| 812 | 0 |
| 813 | 0 |
| 814 | 0 |

| | |
|---|---|
| 815 | 0 |
| 816 | 0 |
| 817 | 0 |
| 818 | 0 |
| 819 | 0 |
| 820 | 0 |
| 821 | 0 |
| 822 | 0 |
| 823 | 0 |
| 824 | 0 |
| 825 | 0 |
| 826 | 0 |
| 827 | 0 |
| 828 | 0 |
| 829 | 0 |
| 830 | 0 |
| 831 | 0 |
| 832 | 0 |
| 833 | 0 |
| 834 | 0 |
| 835 | 0 |
| 836 | 0 |
| 837 | 0 |
| 838 | 0 |
| 839 | 0 |
| 840 | 0 |
| 841 | 0 |
| 842 | 0 |
| 843 | 0 |
| 844 | 0 |
| 845 | 0 |
| 846 | 0 |
| 847 | 0 |
| 848 | 0 |
| 849 | 0 |
| 850 | 0 |
| 851 | 0 |
| 852 | 0 |
| 853 | 0 |
| 854 | 0 |
| 855 | 0 |
| 856 | 0 |
| 857 | 0 |
| 858 | 0 |
| 859 | 0 |
| 860 | 0 |
| 861 | 0 |
| 862 | 0 |
| 863 | 0 |
| 864 | 0 |
| 865 | 0 |
| 866 | 0 |
| 867 | 0 |
| 868 | 0 |
| 869 | 0 |
| 870 | 0 |
| 871 | 0 |

| | |
|---|---|
| 872 | 0 |
| 873 | 0 |
| 874 | 0 |
| 875 | 0 |
| 876 | 0 |
| 877 | 0 |
| 878 | 0 |
| 879 | 0 |
| 880 | 0 |
| 881 | 0 |
| 882 | 0 |
| 883 | 0 |
| 884 | 0 |
| 885 | 0 |
| 886 | 0 |
| 887 | 0 |
| 888 | 0 |
| 889 | 0 |
| 890 | 0 |
| 891 | 0 |
| 892 | 0 |
| 893 | 0 |
| 894 | 0 |
| 895 | 0 |
| 896 | 0 |
| 897 | 0 |
| 898 | 0 |
| 899 | 0 |
| 900 | 0 |
| 901 | 0 |
| 902 | 0 |
| 903 | 0 |
| 904 | 0 |
| 905 | 0 |
| 906 | 0 |
| 907 | 0 |
| 908 | 0 |
| 909 | 0 |
| 910 | 0 |
| 911 | 0 |
| 912 | 0 |
| 913 | 0 |
| 914 | 0 |
| 915 | 0 |
| 916 | 0 |
| 917 | 0 |
| 918 | 0 |
| 919 | 0 |
| 920 | 0 |
| 921 | 0 |
| 922 | 0 |
| 923 | 0 |
| 924 | 0 |
| 925 | 0 |
| 926 | 0 |
| 927 | 0 |
| 928 | 0 |

| | |
|---|---|
| 929 | 0 |
| 930 | 0 |
| 931 | 0 |
| 932 | 0 |
| 933 | 0 |
| 934 | 0 |
| 935 | 0 |
| 936 | 0 |
| 937 | 0 |
| 938 | 0 |
| 939 | 0 |
| 940 | 0 |
| 941 | 0 |
| 942 | 0 |
| 943 | 0 |
| 944 | 0 |
| 945 | 0 |
| 946 | 0 |
| 947 | 0 |
| 948 | 0 |
| 949 | 0 |
| 950 | 0 |
| 951 | 0 |
| 952 | 0 |
| 953 | 0 |
| 954 | 0 |
| 955 | 0 |
| 956 | 0 |
| 957 | 0 |
| 958 | 0 |
| 959 | 0 |
| 960 | 0 |
| 961 | 0 |
| 962 | 0 |
| 963 | 0 |
| 964 | 0 |
| 965 | 0 |
| 966 | 0 |
| 967 | 0 |
| 968 | 0 |
| 969 | 0 |
| 970 | 0 |
| 971 | 0 |
| 972 | 0 |
| 973 | 0 |
| 974 | 0 |
| 975 | 0 |
| 976 | 0 |
| 977 | 0 |
| 978 | 0 |
| 979 | 0 |
| 980 | 0 |
| 981 | 0 |
| 982 | 0.00064 |
| 983 | 0.000666667 |
| 984 | 0.00125 |
| 985 | 0.00125 |

| | |
|---|---|
| 986 | 0.00126087 |
| 987 | 0.0013125 |
| 988 | 0.00133333 |
| 989 | 0.001375 |
| 990 | 0.00142857 |
| 991 | 0.00166667 |
| 992 | 0.00178261 |
| 993 | 0.00181818 |
| 994 | 0.00186364 |
| 995 | 0.00195238 |
| 996 | 0.002 |
| 997 | 0.002 |
| 998 | 0.00214286 |
| 999 | 0.00215789 |
| 1000 | 0.00219048 |
| 1001 | 0.00225 |
| 1002 | 0.00227778 |
| 1003 | 0.0023 |
| 1004 | 0.00230769 |
| 1005 | 0.00235714 |
| 1006 | 0.00241176 |
| 1007 | 0.00244444 |
| 1008 | 0.00244444 |
| 1009 | 0.00246 |
| 1010 | 0.0025 |
| 1011 | 0.00253846 |
| 1012 | 0.00253846 |
| 1013 | 0.00264 |
| 1014 | 0.00272727 |
| 1015 | 0.00273333 |
| 1016 | 0.00275 |
| 1017 | 0.00276923 |
| 1018 | 0.00285714 |
| 1019 | 0.00285714 |
| 1020 | 0.00286957 |
| 1021 | 0.00286957 |
| 1022 | 0.00292857 |
| 1023 | 0.003 |
| 1024 | 0.003 |
| 1025 | 0.003 |
| 1026 | 0.003 |
| 1027 | 0.003 |
| 1028 | 0.00303846 |
| 1029 | 0.00310526 |
| 1030 | 0.00314286 |
| 1031 | 0.00315385 |
| 1032 | 0.00316 |
| 1033 | 0.00329167 |
| 1034 | 0.0033 |
| 1035 | 0.00333333 |
| 1036 | 0.00333333 |
| 1037 | 0.00333333 |
| 1038 | 0.00341667 |
| 1039 | 0.00347368 |
| 1040 | 0.00347368 |
| 1041 | 0.00359091 |
| 1042 | 0.00362857 |

| | |
|---|---|
| 1043 | 0.00366667 |
| 1044 | 0.00366667 |
| 1045 | 0.00372727 |
| 1046 | 0.0037619 |
| 1047 | 0.00383333 |
| 1048 | 0.00388235 |
| 1049 | 0.00388235 |
| 1050 | 0.00395 |
| 1051 | 0.004 |
| 1052 | 0.004 |
| 1053 | 0.0041 |
| 1054 | 0.004125 |
| 1055 | 0.004125 |
| 1056 | 0.00418182 |
| 1057 | 0.00428571 |
| 1058 | 0.00438889 |
| 1059 | 0.0044 |
| 1060 | 0.0044 |
| 1061 | 0.00445455 |
| 1062 | 0.00455556 |
| 1063 | 0.00464706 |
| 1064 | 0.00471429 |
| 1065 | 0.00471429 |
| 1066 | 0.0049375 |
| 1067 | 0.005 |
| 1068 | 0.005 |
| 1069 | 0.005 |
| 1070 | 0.00507692 |
| 1071 | 0.00526667 |
| 1072 | 0.00546667 |
| 1073 | 0.00564286 |
| 1074 | 0.00565 |
| 1075 | 0.0059 |
| 1076 | 0.006 |
| 1077 | 0.006 |
| 1078 | 0.00607692 |
| 1079 | 0.00625 |
| 1080 | 0.00655 |
| 1081 | 0.00658333 |
| 1082 | 0.0066 |
| 1083 | 0.0066 |
| 1084 | 0.00666667 |
| 1085 | 0.00666667 |
| 1086 | 0.00683333 |
| 1087 | 0.00686364 |
| 1088 | 0.00733333 |
| 1089 | 0.00733333 |
| 1090 | 0.00748936 |
| 1091 | 0.0075 |
| 1092 | 0.00765217 |
| 1093 | 0.00782222 |
| 1094 | 0.00796 |
| 1095 | 0.00818605 |
| 1096 | 0.0082 |
| 1097 | 0.00825 |
| 1098 | 0.00825 |
| 1099 | 0.0083 |

| | |
|---|---|
| 1100 | 0.00838095 |
| 1101 | 0.00858537 |
| 1102 | 0.00877778 |
| 1103 | 0.0089 |
| 1104 | 0.00902564 |
| 1105 | 0.00926316 |
| 1106 | 0.00942857 |
| 1107 | 0.00942857 |
| 1108 | 0.0095 |
| 1109 | 0.00951351 |
| 1110 | 0.00977778 |
| 1111 | 0.009875 |
| 1112 | 0.01 |
| 1113 | 0.01 |
| 1114 | 0.01 |
| 1115 | 0.0100571 |
| 1116 | 0.0100625 |
| 1117 | 0.01025 |
| 1118 | 0.0103529 |
| 1119 | 0.0106667 |
| 1120 | 0.0107097 |
| 1121 | 0.011 |
| 1122 | 0.011 |
| 1123 | 0.0112857 |
| 1124 | 0.0117333 |
| 1125 | 0.0121379 |
| 1126 | 0.0125714 |
| 1127 | 0.0126667 |
| 1128 | 0.0129583 |
| 1129 | 0.013 |
| 1130 | 0.013037 |
| 1131 | 0.0131667 |
| 1132 | 0.0132 |
| 1133 | 0.0135385 |
| 1134 | 0.0136667 |
| 1135 | 0.01408 |
| 1136 | 0.0143 |
| 1137 | 0.015 |
| 1138 | 0.0150526 |
| 1139 | 0.0153043 |
| 1140 | 0.0154 |
| 1141 | 0.0158 |
| 1142 | 0.016 |
| 1143 | 0.0165 |
| 1144 | 0.0166667 |
| 1145 | 0.0195556 |
| 1146 | 0.01975 |
| 1147 | 0.02 |
| 1148 | 0.0205 |
| 1149 | 0.0207059 |
| 1150 | 0.022 |
| 1151 | 0.022 |
| 1152 | 0.022 |
| 1153 | 0.0234667 |
| 1154 | 0.025 |
| 1155 | 0.0251429 |
| 1156 | 0.0270769 |

| | |
|---|---|
| 1157 | 0.0293333 |
| 1158 | 0.03 |
| 1159 | 0.0307 |
| 1160 | 0.0308 |
| 1161 | 0.032 |
| 1162 | 0.033 |
| 1163 | 0.0352 |
| 1164 | 0.0391111 |
| 1165 | 0.0395 |
| 1166 | 0.041 |
| 1167 | 0.044 |
| 1168 | 0.05 |
| 1169 | 0.0502857 |
| 1170 | 0.0655333 |
| 1171 | 0.0725 |
| 1172 | 0.079 |
| 1173 | 0.1019 |
| 1174 | 0.1256 |
| 1175 | 0.19815 |
| 1176 | 0.3809 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 33 |
| 2 | 0.12 | 2 |
| 3 | 0.166 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |

| | |
|---|---|
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 75012
B = 0
C = 32736
D = 0
E = 1060
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 9291.33
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 158.55
M1 = (1176 - 158.55)/2.0 = 508.725
M2 = (1176 + 158.55)/2.0 + 1 = 668.275
Lower limit is 0 = Q(509)
Upper limit is 0 = Q(668)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: RC 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.11 (12/10/2013) | ND<0.1 U (3/12/2013) | (0.11 - 0.1)/(4 - 1) | 0.00333333 |
| 0.11 (2/6/2014) | ND<0.1 U (3/12/2013) | (0.11 - 0.1)/(5 - 1) | 0.0025 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| 0.13 (9/19/2014) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(7 - 1) | 0.005 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (3/12/2013) | (0.14 - 0.1)/(12 - 1) | 0.00363636 |
| 0.3 (3/15/2016) | ND<0.1 U (3/12/2013) | (0.3 - 0.1)/(13 - 1) | 0.0166667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(16 - 1) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(17 - 1) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (3/12/2013) | (0.15 - 0.1)/(20 - 1) | 0.00263158 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(23 - 1) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (3/12/2013) | (0.169 - 0.1)/(24 - 1) | 0.003 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (3/12/2013) | (0.141 - 0.1)/(27 - 1) | 0.00157692 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(28 - 1) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(29 - 1) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (3/12/2013) | (0.202 - 0.1)/(31 - 1) | 0.0034 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(35 - 1) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (3/12/2013) | (0.103 - 0.1)/(36 - 1) | 8.57143e-05 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (3/12/2013) | (0.101 - 0.1)/(38 - 1) | 2.7027e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (3/12/2013) | (0.085 - 0.1)/(42 - 1) | -0.000365854 |
| 0.15 (8/7/2023) | ND<0.1 U (3/12/2013) | (0.15 - 0.1)/(43 - 1) | 0.00119048 |
| 0.0358 (12/12/2023) | ND<0.1 U (3/12/2013) | (0.0358 - 0.1)/(44 - 1) | -0.00149302 |
| 0.117 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.117 - 0.1)/(45 - 1) | 0.000386364 |
| 0.08 (5/21/2024) | ND<0.1 U (3/12/2013) | (0.08 - 0.1)/(46 - 1) | -0.000444444 |
| 0.0709 (9/16/2024) | ND<0.1 U (3/12/2013) | (0.0709 - 0.1)/(47 - 1) | -0.000632609 |
| 0.108 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.108 - 0.1)/(48 - 1) | 0.000170213 |
| 0.236 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.236 - 0.1)/(49 - 1) | 0.00283333 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.11 (12/10/2013) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(4 - 2) | 0.005 |
| 0.11 (2/6/2014) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(5 - 2) | 0.00333333 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| 0.13 (9/19/2014) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(7 - 2) | 0.006 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.14 - 0.1)/(12 - 2) | 0.004 |
| 0.3 (3/15/2016) | ND<0.1 U (5/8/2013) | (0.3 - 0.1)/(13 - 2) | 0.0181818 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(16 - 2) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(17 - 2) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(20 - 2) | 0.00277778 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(23 - 2) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (5/8/2013) | (0.169 - 0.1)/(24 - 2) | 0.00313636 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (5/8/2013) | (0.141 - 0.1)/(27 - 2) | 0.00164 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(28 - 2) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(29 - 2) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (5/8/2013) | (0.202 - 0.1)/(31 - 2) | 0.00351724 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(35 - 2) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (5/8/2013) | (0.103 - 0.1)/(36 - 2) | 8.82353e-05 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (5/8/2013) | (0.101 - 0.1)/(38 - 2) | 2.77778e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (5/8/2013) | (0.085 - 0.1)/(42 - 2) | -0.000375 |
| 0.15 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(43 - 2) | 0.00121951 |
| 0.0358 (12/12/2023) | ND<0.1 U (5/8/2013) | (0.0358 - 0.1)/(44 - 2) | -0.00152857 |
| 0.117 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.117 - 0.1)/(45 - 2) | 0.000395349 |
| 0.08 (5/21/2024) | ND<0.1 U (5/8/2013) | (0.08 - 0.1)/(46 - 2) | -0.000454545 |
| 0.0709 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.0709 - 0.1)/(47 - 2) | -0.000646667 |
| 0.108 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.108 - 0.1)/(48 - 2) | 0.000173913 |
| 0.236 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.236 - 0.1)/(49 - 2) | 0.00289362 |
| | | | |
| 0.11 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(4 - 3) | 0.01 |
| 0.11 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(5 - 3) | 0.005 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| 0.13 (9/19/2014) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(7 - 3) | 0.0075 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

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|---|---|---|---|
| 0.14 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(12 - 3) | 0.00444444 |
| 0.3 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.3 - 0.1)/(13 - 3) | 0.02 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(17 - 3) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(20 - 3) | 0.00294118 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (9/23/2013) | (0.169 - 0.1)/(24 - 3) | 0.00328571 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (9/23/2013) | (0.141 - 0.1)/(27 - 3) | 0.00170833 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(29 - 3) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (9/23/2013) | (0.202 - 0.1)/(31 - 3) | 0.00364286 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.103 - 0.1)/(36 - 3) | 9.09091e-05 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.101 - 0.1)/(38 - 3) | 2.85714e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (9/23/2013) | (0.085 - 0.1)/(42 - 3) | -0.000384615 |
| 0.15 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(43 - 3) | 0.00125 |
| 0.0358 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.0358 - 0.1)/(44 - 3) | -0.00156585 |
| 0.117 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.117 - 0.1)/(45 - 3) | 0.000404762 |
| 0.08 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.08 - 0.1)/(46 - 3) | -0.000465116 |
| 0.0709 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.0709 - 0.1)/(47 - 3) | -0.000661364 |
| 0.108 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(48 - 3) | 0.000177778 |
| 0.236 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.236 - 0.1)/(49 - 3) | 0.00295652 |
| | | | |
| 0.11 (2/6/2014) | 0.11 (12/10/2013) | (0.11 - 0.11)/(5 - 4) | 0 |
| ND<0.1 U (6/26/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(6 - 4) | -0.005 |
| 0.13 (9/19/2014) | 0.11 (12/10/2013) | (0.13 - 0.11)/(7 - 4) | 0.00666667 |
| ND<0.1 U (9/30/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(8 - 4) | -0.0025 |
| ND<0.1 U (3/23/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(9 - 4) | -0.002 |
| ND<0.1 U (4/22/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(10 - 4) | -0.00166667 |
| ND<0.1 U (9/30/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(11 - 4) | -0.00142857 |
| 0.14 (11/19/2015) | 0.11 (12/10/2013) | (0.14 - 0.11)/(12 - 4) | 0.00375 |
| 0.3 (3/15/2016) | 0.11 (12/10/2013) | (0.3 - 0.11)/(13 - 4) | 0.0211111 |
| ND<0.1 U (6/29/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(14 - 4) | -0.001 |
| ND<0.1 U (8/9/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(15 - 4) | -0.000909091 |
| ND<0.1 U (12/7/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(16 - 4) | -0.000833333 |
| 0.1 U (3/2/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(17 - 4) | -0.000769231 |
| ND<0.1 U (7/5/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(18 - 4) | -0.000714286 |
| ND<0.1 U (8/16/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(19 - 4) | -0.000666667 |
| 0.15 (10/25/2017) | 0.11 (12/10/2013) | (0.15 - 0.11)/(20 - 4) | 0.0025 |
| ND<0.1 U (3/28/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(21 - 4) | -0.000588235 |
| ND<0.1 U (6/29/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(22 - 4) | -0.000555556 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(23 - 4) | -0.000526316 |
| 0.169 (12/10/2018) | 0.11 (12/10/2013) | (0.169 - 0.11)/(24 - 4) | 0.00295 |
| ND<0.1 U (4/15/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(25 - 4) | -0.00047619 |
| ND<0.1 U (6/12/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(26 - 4) | -0.000454545 |
| 0.141 (8/27/2019) | 0.11 (12/10/2013) | (0.141 - 0.11)/(27 - 4) | 0.00134783 |
| ND<0.1 U (10/29/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(28 - 4) | -0.000416667 |
| ND<0.1 U (3/30/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(29 - 4) | -0.0004 |
| ND<0.1 U (6/16/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(30 - 4) | -0.000384615 |
| 0.202 (9/21/2020) | 0.11 (12/10/2013) | (0.202 - 0.11)/(31 - 4) | 0.00340741 |
| ND<0.1 U (12/17/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(32 - 4) | -0.000357143 |
| ND<0.1 U (3/18/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(33 - 4) | -0.000344828 |
| ND<0.1 U (5/5/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(34 - 4) | -0.000333333 |
| ND<0.1 U (9/2/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(35 - 4) | -0.000322581 |
| 0.103 (11/23/2021) | 0.11 (12/10/2013) | (0.103 - 0.11)/(36 - 4) | -0.00021875 |
| ND<0.1 U (1/11/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(37 - 4) | -0.00030303 |
| 0.101 (4/7/2022) | 0.11 (12/10/2013) | (0.101 - 0.11)/(38 - 4) | -0.000264706 |
| ND<0.1 U (8/2/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(39 - 4) | -0.000285714 |
| ND<0.1 U (11/16/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(40 - 4) | -0.000277778 |
| ND<0.1 U (2/14/2023) | 0.11 (12/10/2013) | (0.1 - 0.11)/(41 - 4) | -0.00027027 |
| 0.085 (5/25/2023) | 0.11 (12/10/2013) | (0.085 - 0.11)/(42 - 4) | -0.000657895 |
| 0.15 (8/7/2023) | 0.11 (12/10/2013) | (0.15 - 0.11)/(43 - 4) | 0.00102564 |
| 0.0358 (12/12/2023) | 0.11 (12/10/2013) | (0.0358 - 0.11)/(44 - 4) | -0.001855 |
| 0.117 (1/10/2024) | 0.11 (12/10/2013) | (0.117 - 0.11)/(45 - 4) | 0.000170732 |
| 0.08 (5/21/2024) | 0.11 (12/10/2013) | (0.08 - 0.11)/(46 - 4) | -0.000714286 |
| 0.0709 (9/16/2024) | 0.11 (12/10/2013) | (0.0709 - 0.11)/(47 - 4) | -0.000909302 |
| 0.108 (12/11/2024) | 0.11 (12/10/2013) | (0.108 - 0.11)/(48 - 4) | -4.54545e-05 |
| 0.236 (2/18/2025) | 0.11 (12/10/2013) | (0.236 - 0.11)/(49 - 4) | 0.0028 |
| | | | |
| ND<0.1 U (6/26/2014) | 0.11 (2/6/2014) | (0.1 - 0.11)/(6 - 5) | -0.01 |
| 0.13 (9/19/2014) | 0.11 (2/6/2014) | (0.13 - 0.11)/(7 - 5) | 0.01 |
| ND<0.1 U (9/30/2014) | 0.11 (2/6/2014) | (0.1 - 0.11)/(8 - 5) | -0.00333333 |
| ND<0.1 U (3/23/2015) | 0.11 (2/6/2014) | (0.1 - 0.11)/(9 - 5) | -0.0025 |
| ND<0.1 U (4/22/2015) | 0.11 (2/6/2014) | (0.1 - 0.11)/(10 - 5) | -0.002 |
| ND<0.1 U (9/30/2015) | 0.11 (2/6/2014) | (0.1 - 0.11)/(11 - 5) | -0.00166667 |
| 0.14 (11/19/2015) | 0.11 (2/6/2014) | (0.14 - 0.11)/(12 - 5) | 0.00428571 |
| 0.3 (3/15/2016) | 0.11 (2/6/2014) | (0.3 - 0.11)/(13 - 5) | 0.02375 |
| ND<0.1 U (6/29/2016) | 0.11 (2/6/2014) | (0.1 - 0.11)/(14 - 5) | -0.00111111 |
| ND<0.1 U (8/9/2016) | 0.11 (2/6/2014) | (0.1 - 0.11)/(15 - 5) | -0.001 |
| ND<0.1 U (12/7/2016) | 0.11 (2/6/2014) | (0.1 - 0.11)/(16 - 5) | -0.000909091 |
| 0.1 U (3/2/2017) | 0.11 (2/6/2014) | (0.1 - 0.11)/(17 - 5) | -0.000833333 |
| ND<0.1 U (7/5/2017) | 0.11 (2/6/2014) | (0.1 - 0.11)/(18 - 5) | -0.000769231 |
| ND<0.1 U (8/16/2017) | 0.11 (2/6/2014) | (0.1 - 0.11)/(19 - 5) | -0.000714286 |
| 0.15 (10/25/2017) | 0.11 (2/6/2014) | (0.15 - 0.11)/(20 - 5) | 0.00266667 |
| ND<0.1 U (3/28/2018) | 0.11 (2/6/2014) | (0.1 - 0.11)/(21 - 5) | -0.000625 |
| ND<0.1 U (6/29/2018) | 0.11 (2/6/2014) | (0.1 - 0.11)/(22 - 5) | -0.000588235 |
| ND<0.1 U (8/2/2018) | 0.11 (2/6/2014) | (0.1 - 0.11)/(23 - 5) | -0.000555556 |
| 0.169 (12/10/2018) | 0.11 (2/6/2014) | (0.169 - 0.11)/(24 - 5) | 0.00310526 |
| ND<0.1 U (4/15/2019) | 0.11 (2/6/2014) | (0.1 - 0.11)/(25 - 5) | -0.0005 |
| ND<0.1 U (6/12/2019) | 0.11 (2/6/2014) | (0.1 - 0.11)/(26 - 5) | -0.00047619 |
| 0.141 (8/27/2019) | 0.11 (2/6/2014) | (0.141 - 0.11)/(27 - 5) | 0.00140909 |
| ND<0.1 U (10/29/2019) | 0.11 (2/6/2014) | (0.1 - 0.11)/(28 - 5) | -0.000434783 |
| ND<0.1 U (3/30/2020) | 0.11 (2/6/2014) | (0.1 - 0.11)/(29 - 5) | -0.000416667 |
| ND<0.1 U (6/16/2020) | 0.11 (2/6/2014) | (0.1 - 0.11)/(30 - 5) | -0.0004 |
| 0.202 (9/21/2020) | 0.11 (2/6/2014) | (0.202 - 0.11)/(31 - 5) | 0.00353846 |
| ND<0.1 U (12/17/2020) | 0.11 (2/6/2014) | (0.1 - 0.11)/(32 - 5) | -0.00037037 |
| ND<0.1 U (3/18/2021) | 0.11 (2/6/2014) | (0.1 - 0.11)/(33 - 5) | -0.000357143 |
| ND<0.1 U (5/5/2021) | 0.11 (2/6/2014) | (0.1 - 0.11)/(34 - 5) | -0.000344828 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | 0.11 (2/6/2014) | (0.1 - 0.11)/(35 - 5) | -0.000333333 |
| 0.103 (11/23/2021) | 0.11 (2/6/2014) | (0.103 - 0.11)/(36 - 5) | -0.000225806 |
| ND<0.1 U (1/11/2022) | 0.11 (2/6/2014) | (0.1 - 0.11)/(37 - 5) | -0.0003125 |
| 0.101 (4/7/2022) | 0.11 (2/6/2014) | (0.101 - 0.11)/(38 - 5) | -0.000272727 |
| ND<0.1 U (8/2/2022) | 0.11 (2/6/2014) | (0.1 - 0.11)/(39 - 5) | -0.000294118 |
| ND<0.1 U (11/16/2022) | 0.11 (2/6/2014) | (0.1 - 0.11)/(40 - 5) | -0.000285714 |
| ND<0.1 U (2/14/2023) | 0.11 (2/6/2014) | (0.1 - 0.11)/(41 - 5) | -0.000277778 |
| 0.085 (5/25/2023) | 0.11 (2/6/2014) | (0.085 - 0.11)/(42 - 5) | -0.000675676 |
| 0.15 (8/7/2023) | 0.11 (2/6/2014) | (0.15 - 0.11)/(43 - 5) | 0.00105263 |
| 0.0358 (12/12/2023) | 0.11 (2/6/2014) | (0.0358 - 0.11)/(44 - 5) | -0.00190256 |
| 0.117 (1/10/2024) | 0.11 (2/6/2014) | (0.117 - 0.11)/(45 - 5) | 0.000175 |
| 0.08 (5/21/2024) | 0.11 (2/6/2014) | (0.08 - 0.11)/(46 - 5) | -0.000731707 |
| 0.0709 (9/16/2024) | 0.11 (2/6/2014) | (0.0709 - 0.11)/(47 - 5) | -0.000930952 |
| 0.108 (12/11/2024) | 0.11 (2/6/2014) | (0.108 - 0.11)/(48 - 5) | -4.65116e-05 |
| 0.236 (2/18/2025) | 0.11 (2/6/2014) | (0.236 - 0.11)/(49 - 5) | 0.00286364 |
| | | | |
| 0.13 (9/19/2014) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(7 - 6) | 0.03 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.14 - 0.1)/(12 - 6) | 0.00666667 |
| 0.3 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.3 - 0.1)/(13 - 6) | 0.0285714 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(16 - 6) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(17 - 6) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(20 - 6) | 0.00357143 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(21 - 6) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (6/26/2014) | (0.169 - 0.1)/(24 - 6) | 0.00383333 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (6/26/2014) | (0.141 - 0.1)/(27 - 6) | 0.00195238 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(28 - 6) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(29 - 6) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (6/26/2014) | (0.202 - 0.1)/(31 - 6) | 0.00408 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(33 - 6) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.103 - 0.1)/(36 - 6) | 0.0001 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(37 - 6) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.101 - 0.1)/(38 - 6) | 3.125e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(41 - 6) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (6/26/2014) | (0.085 - 0.1)/(42 - 6) | -0.000416667 |
| 0.15 (8/7/2023) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(43 - 6) | 0.00135135 |
| 0.0358 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.0358 - 0.1)/(44 - 6) | -0.00168947 |
| 0.117 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.117 - 0.1)/(45 - 6) | 0.000435897 |
| 0.08 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.08 - 0.1)/(46 - 6) | -0.0005 |
| 0.0709 (9/16/2024) | ND<0.1 U (6/26/2014) | (0.0709 - 0.1)/(47 - 6) | -0.000709756 |

| | | | |
|---|---|---|---|
| 0.108 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.108 - 0.1)/(48 - 6) | 0.000190476 |
| 0.236 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.236 - 0.1)/(49 - 6) | 0.00316279 |
| | | | |
| ND<0.1 U (9/30/2014) | 0.13 (9/19/2014) | (0.1 - 0.13)/(8 - 7) | -0.03 |
| ND<0.1 U (3/23/2015) | 0.13 (9/19/2014) | (0.1 - 0.13)/(9 - 7) | -0.015 |
| ND<0.1 U (4/22/2015) | 0.13 (9/19/2014) | (0.1 - 0.13)/(10 - 7) | -0.01 |
| ND<0.1 U (9/30/2015) | 0.13 (9/19/2014) | (0.1 - 0.13)/(11 - 7) | -0.0075 |
| 0.14 (11/19/2015) | 0.13 (9/19/2014) | (0.14 - 0.13)/(12 - 7) | 0.002 |
| 0.3 (3/15/2016) | 0.13 (9/19/2014) | (0.3 - 0.13)/(13 - 7) | 0.0283333 |
| ND<0.1 U (6/29/2016) | 0.13 (9/19/2014) | (0.1 - 0.13)/(14 - 7) | -0.00428571 |
| ND<0.1 U (8/9/2016) | 0.13 (9/19/2014) | (0.1 - 0.13)/(15 - 7) | -0.00375 |
| ND<0.1 U (12/7/2016) | 0.13 (9/19/2014) | (0.1 - 0.13)/(16 - 7) | -0.00333333 |
| 0.1 U (3/2/2017) | 0.13 (9/19/2014) | (0.1 - 0.13)/(17 - 7) | -0.003 |
| ND<0.1 U (7/5/2017) | 0.13 (9/19/2014) | (0.1 - 0.13)/(18 - 7) | -0.00272727 |
| ND<0.1 U (8/16/2017) | 0.13 (9/19/2014) | (0.1 - 0.13)/(19 - 7) | -0.0025 |
| 0.15 (10/25/2017) | 0.13 (9/19/2014) | (0.15 - 0.13)/(20 - 7) | 0.00153846 |
| ND<0.1 U (3/28/2018) | 0.13 (9/19/2014) | (0.1 - 0.13)/(21 - 7) | -0.00214286 |
| ND<0.1 U (6/29/2018) | 0.13 (9/19/2014) | (0.1 - 0.13)/(22 - 7) | -0.002 |
| ND<0.1 U (8/2/2018) | 0.13 (9/19/2014) | (0.1 - 0.13)/(23 - 7) | -0.001875 |
| 0.169 (12/10/2018) | 0.13 (9/19/2014) | (0.169 - 0.13)/(24 - 7) | 0.00229412 |
| ND<0.1 U (4/15/2019) | 0.13 (9/19/2014) | (0.1 - 0.13)/(25 - 7) | -0.00166667 |
| ND<0.1 U (6/12/2019) | 0.13 (9/19/2014) | (0.1 - 0.13)/(26 - 7) | -0.00157895 |
| 0.141 (8/27/2019) | 0.13 (9/19/2014) | (0.141 - 0.13)/(27 - 7) | 0.00055 |
| ND<0.1 U (10/29/2019) | 0.13 (9/19/2014) | (0.1 - 0.13)/(28 - 7) | -0.00142857 |
| ND<0.1 U (3/30/2020) | 0.13 (9/19/2014) | (0.1 - 0.13)/(29 - 7) | -0.00136364 |
| ND<0.1 U (6/16/2020) | 0.13 (9/19/2014) | (0.1 - 0.13)/(30 - 7) | -0.00130435 |
| 0.202 (9/21/2020) | 0.13 (9/19/2014) | (0.202 - 0.13)/(31 - 7) | 0.003 |
| ND<0.1 U (12/17/2020) | 0.13 (9/19/2014) | (0.1 - 0.13)/(32 - 7) | -0.0012 |
| ND<0.1 U (3/18/2021) | 0.13 (9/19/2014) | (0.1 - 0.13)/(33 - 7) | -0.00115385 |
| ND<0.1 U (5/5/2021) | 0.13 (9/19/2014) | (0.1 - 0.13)/(34 - 7) | -0.00111111 |
| ND<0.1 U (9/2/2021) | 0.13 (9/19/2014) | (0.1 - 0.13)/(35 - 7) | -0.00107143 |
| 0.103 (11/23/2021) | 0.13 (9/19/2014) | (0.103 - 0.13)/(36 - 7) | -0.000931034 |
| ND<0.1 U (1/11/2022) | 0.13 (9/19/2014) | (0.1 - 0.13)/(37 - 7) | -0.001 |
| 0.101 (4/7/2022) | 0.13 (9/19/2014) | (0.101 - 0.13)/(38 - 7) | -0.000935484 |
| ND<0.1 U (8/2/2022) | 0.13 (9/19/2014) | (0.1 - 0.13)/(39 - 7) | -0.0009375 |
| ND<0.1 U (11/16/2022) | 0.13 (9/19/2014) | (0.1 - 0.13)/(40 - 7) | -0.000909091 |
| ND<0.1 U (2/14/2023) | 0.13 (9/19/2014) | (0.1 - 0.13)/(41 - 7) | -0.000882353 |
| 0.085 (5/25/2023) | 0.13 (9/19/2014) | (0.085 - 0.13)/(42 - 7) | -0.00128571 |
| 0.15 (8/7/2023) | 0.13 (9/19/2014) | (0.15 - 0.13)/(43 - 7) | 0.000555556 |
| 0.0358 (12/12/2023) | 0.13 (9/19/2014) | (0.0358 - 0.13)/(44 - 7) | -0.00254595 |
| 0.117 (1/10/2024) | 0.13 (9/19/2014) | (0.117 - 0.13)/(45 - 7) | -0.000342105 |
| 0.08 (5/21/2024) | 0.13 (9/19/2014) | (0.08 - 0.13)/(46 - 7) | -0.00128205 |
| 0.0709 (9/16/2024) | 0.13 (9/19/2014) | (0.0709 - 0.13)/(47 - 7) | -0.0014775 |
| 0.108 (12/11/2024) | 0.13 (9/19/2014) | (0.108 - 0.13)/(48 - 7) | -0.000536585 |
| 0.236 (2/18/2025) | 0.13 (9/19/2014) | (0.236 - 0.13)/(49 - 7) | 0.00252381 |
| | | | |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 8) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 8) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.14 - 0.1)/(12 - 8) | 0.01 |
| 0.3 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.3 - 0.1)/(13 - 8) | 0.04 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 8) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(17 - 8) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 8) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 8) | 0 |

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|---|---|---|---|
| 0.15 (10/25/2017) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(20 - 8) | 0.00416667 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 8) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 8) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 8) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (9/30/2014) | (0.169 - 0.1)/(24 - 8) | 0.0043125 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 8) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 8) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (9/30/2014) | (0.141 - 0.1)/(27 - 8) | 0.00215789 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 8) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(29 - 8) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 8) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (9/30/2014) | (0.202 - 0.1)/(31 - 8) | 0.00443478 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 8) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 8) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 8) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 8) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.103 - 0.1)/(36 - 8) | 0.000107143 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 8) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.101 - 0.1)/(38 - 8) | 3.33333e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 8) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 8) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (9/30/2014) | (0.085 - 0.1)/(42 - 8) | -0.000441176 |
| 0.15 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(43 - 8) | 0.00142857 |
| 0.0358 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.0358 - 0.1)/(44 - 8) | -0.00178333 |
| 0.117 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.117 - 0.1)/(45 - 8) | 0.000459459 |
| 0.08 (5/21/2024) | ND<0.1 U (9/30/2014) | (0.08 - 0.1)/(46 - 8) | -0.000526316 |
| 0.0709 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.0709 - 0.1)/(47 - 8) | -0.000746154 |
| 0.108 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(48 - 8) | 0.0002 |
| 0.236 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.236 - 0.1)/(49 - 8) | 0.00331707 |
| | | | |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (3/23/2015) | (0.14 - 0.1)/(12 - 9) | 0.0133333 |
| 0.3 (3/15/2016) | ND<0.1 U (3/23/2015) | (0.3 - 0.1)/(13 - 9) | 0.05 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(16 - 9) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(17 - 9) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (3/23/2015) | (0.15 - 0.1)/(20 - 9) | 0.00454545 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(23 - 9) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (3/23/2015) | (0.169 - 0.1)/(24 - 9) | 0.0046 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (3/23/2015) | (0.141 - 0.1)/(27 - 9) | 0.00227778 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(28 - 9) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(29 - 9) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (3/23/2015) | (0.202 - 0.1)/(31 - 9) | 0.00463636 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(35 - 9) | 0 |

| | | | |
|---|---|---|---|
| 0.103 (11/23/2021) | ND<0.1 U (3/23/2015) | (0.103 - 0.1)/(36 - 9) | 0.000111111 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (3/23/2015) | (0.101 - 0.1)/(38 - 9) | 3.44828e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (3/23/2015) | (0.085 - 0.1)/(42 - 9) | -0.000454545 |
| 0.15 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.15 - 0.1)/(43 - 9) | 0.00147059 |
| 0.0358 (12/12/2023) | ND<0.1 U (3/23/2015) | (0.0358 - 0.1)/(44 - 9) | -0.00183429 |
| 0.117 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.117 - 0.1)/(45 - 9) | 0.000472222 |
| 0.08 (5/21/2024) | ND<0.1 U (3/23/2015) | (0.08 - 0.1)/(46 - 9) | -0.000540541 |
| 0.0709 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.0709 - 0.1)/(47 - 9) | -0.000765789 |
| 0.108 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.108 - 0.1)/(48 - 9) | 0.000205128 |
| 0.236 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.236 - 0.1)/(49 - 9) | 0.0034 |
| | | | |
| ND<0.1 U (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| 0.14 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.14 - 0.1)/(12 - 10) | 0.02 |
| 0.3 (3/15/2016) | ND<0.1 U (4/22/2015) | (0.3 - 0.1)/(13 - 10) | 0.0666667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(16 - 10) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(17 - 10) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(20 - 10) | 0.005 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(23 - 10) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (4/22/2015) | (0.169 - 0.1)/(24 - 10) | 0.00492857 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (4/22/2015) | (0.141 - 0.1)/(27 - 10) | 0.00241176 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(28 - 10) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(29 - 10) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (4/22/2015) | (0.202 - 0.1)/(31 - 10) | 0.00485714 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(35 - 10) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (4/22/2015) | (0.103 - 0.1)/(36 - 10) | 0.000115385 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (4/22/2015) | (0.101 - 0.1)/(38 - 10) | 3.57143e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (4/22/2015) | (0.085 - 0.1)/(42 - 10) | -0.00046875 |
| 0.15 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(43 - 10) | 0.00151515 |
| 0.0358 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.0358 - 0.1)/(44 - 10) | -0.00188824 |
| 0.117 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.117 - 0.1)/(45 - 10) | 0.000485714 |
| 0.08 (5/21/2024) | ND<0.1 U (4/22/2015) | (0.08 - 0.1)/(46 - 10) | -0.000555556 |
| 0.0709 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.0709 - 0.1)/(47 - 10) | -0.000786486 |
| 0.108 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.108 - 0.1)/(48 - 10) | 0.000210526 |
| 0.236 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.236 - 0.1)/(49 - 10) | 0.00348718 |
| | | | |
| 0.14 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.14 - 0.1)/(12 - 11) | 0.04 |
| 0.3 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.3 - 0.1)/(13 - 11) | 0.1 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(17 - 11) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (9/30/2015) | (0.15 - 0.1)/(20 - 11) | 0.00555556 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(21 - 11) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (9/30/2015) | (0.169 - 0.1)/(24 - 11) | 0.00530769 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (9/30/2015) | (0.141 - 0.1)/(27 - 11) | 0.0025625 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(28 - 11) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(29 - 11) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (9/30/2015) | (0.202 - 0.1)/(31 - 11) | 0.0051 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(34 - 11) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (9/30/2015) | (0.103 - 0.1)/(36 - 11) | 0.00012 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(37 - 11) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.101 - 0.1)/(38 - 11) | 3.7037e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (9/30/2015) | (0.085 - 0.1)/(42 - 11) | -0.000483871 |
| 0.15 (8/7/2023) | ND<0.1 U (9/30/2015) | (0.15 - 0.1)/(43 - 11) | 0.0015625 |
| 0.0358 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.0358 - 0.1)/(44 - 11) | -0.00194545 |
| 0.117 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.117 - 0.1)/(45 - 11) | 0.0005 |
| 0.08 (5/21/2024) | ND<0.1 U (9/30/2015) | (0.08 - 0.1)/(46 - 11) | -0.000571429 |
| 0.0709 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.0709 - 0.1)/(47 - 11) | -0.000808333 |
| 0.108 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.108 - 0.1)/(48 - 11) | 0.000216216 |
| 0.236 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.236 - 0.1)/(49 - 11) | 0.00357895 |

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|---|---|---|---|
| 0.3 (3/15/2016) | 0.14 (11/19/2015) | (0.3 - 0.14)/(13 - 12) | 0.16 |
| ND<0.1 U (6/29/2016) | 0.14 (11/19/2015) | (0.1 - 0.14)/(14 - 12) | -0.02 |
| ND<0.1 U (8/9/2016) | 0.14 (11/19/2015) | (0.1 - 0.14)/(15 - 12) | -0.0133333 |
| ND<0.1 U (12/7/2016) | 0.14 (11/19/2015) | (0.1 - 0.14)/(16 - 12) | -0.01 |
| 0.1 U (3/2/2017) | 0.14 (11/19/2015) | (0.1 - 0.14)/(17 - 12) | -0.008 |
| ND<0.1 U (7/5/2017) | 0.14 (11/19/2015) | (0.1 - 0.14)/(18 - 12) | -0.00666667 |
| ND<0.1 U (8/16/2017) | 0.14 (11/19/2015) | (0.1 - 0.14)/(19 - 12) | -0.00571429 |
| 0.15 (10/25/2017) | 0.14 (11/19/2015) | (0.15 - 0.14)/(20 - 12) | 0.00125 |
| ND<0.1 U (3/28/2018) | 0.14 (11/19/2015) | (0.1 - 0.14)/(21 - 12) | -0.00444444 |
| ND<0.1 U (6/29/2018) | 0.14 (11/19/2015) | (0.1 - 0.14)/(22 - 12) | -0.004 |
| ND<0.1 U (8/2/2018) | 0.14 (11/19/2015) | (0.1 - 0.14)/(23 - 12) | -0.00363636 |
| 0.169 (12/10/2018) | 0.14 (11/19/2015) | (0.169 - 0.14)/(24 - 12) | 0.00241667 |
| ND<0.1 U (4/15/2019) | 0.14 (11/19/2015) | (0.1 - 0.14)/(25 - 12) | -0.00307692 |
| ND<0.1 U (6/12/2019) | 0.14 (11/19/2015) | (0.1 - 0.14)/(26 - 12) | -0.00285714 |
| 0.141 (8/27/2019) | 0.14 (11/19/2015) | (0.141 - 0.14)/(27 - 12) | 6.66667e-05 |
| ND<0.1 U (10/29/2019) | 0.14 (11/19/2015) | (0.1 - 0.14)/(28 - 12) | -0.0025 |
| ND<0.1 U (3/30/2020) | 0.14 (11/19/2015) | (0.1 - 0.14)/(29 - 12) | -0.00235294 |
| ND<0.1 U (6/16/2020) | 0.14 (11/19/2015) | (0.1 - 0.14)/(30 - 12) | -0.00222222 |
| 0.202 (9/21/2020) | 0.14 (11/19/2015) | (0.202 - 0.14)/(31 - 12) | 0.00326316 |
| ND<0.1 U (12/17/2020) | 0.14 (11/19/2015) | (0.1 - 0.14)/(32 - 12) | -0.002 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.14 (11/19/2015) | (0.1 - 0.14)/(33 - 12) | -0.00190476 |
| ND<0.1 U (5/5/2021) | 0.14 (11/19/2015) | (0.1 - 0.14)/(34 - 12) | -0.00181818 |
| ND<0.1 U (9/2/2021) | 0.14 (11/19/2015) | (0.1 - 0.14)/(35 - 12) | -0.00173913 |
| 0.103 (11/23/2021) | 0.14 (11/19/2015) | (0.103 - 0.14)/(36 - 12) | -0.00154167 |
| ND<0.1 U (1/11/2022) | 0.14 (11/19/2015) | (0.1 - 0.14)/(37 - 12) | -0.0016 |
| 0.101 (4/7/2022) | 0.14 (11/19/2015) | (0.101 - 0.14)/(38 - 12) | -0.0015 |
| ND<0.1 U (8/2/2022) | 0.14 (11/19/2015) | (0.1 - 0.14)/(39 - 12) | -0.00148148 |
| ND<0.1 U (11/16/2022) | 0.14 (11/19/2015) | (0.1 - 0.14)/(40 - 12) | -0.00142857 |
| ND<0.1 U (2/14/2023) | 0.14 (11/19/2015) | (0.1 - 0.14)/(41 - 12) | -0.00137931 |
| 0.085 (5/25/2023) | 0.14 (11/19/2015) | (0.085 - 0.14)/(42 - 12) | -0.00183333 |
| 0.15 (8/7/2023) | 0.14 (11/19/2015) | (0.15 - 0.14)/(43 - 12) | 0.000322581 |
| 0.0358 (12/12/2023) | 0.14 (11/19/2015) | (0.0358 - 0.14)/(44 - 12) | -0.00325625 |
| 0.117 (1/10/2024) | 0.14 (11/19/2015) | (0.117 - 0.14)/(45 - 12) | -0.00069697 |
| 0.08 (5/21/2024) | 0.14 (11/19/2015) | (0.08 - 0.14)/(46 - 12) | -0.00176471 |
| 0.0709 (9/16/2024) | 0.14 (11/19/2015) | (0.0709 - 0.14)/(47 - 12) | -0.00197429 |
| 0.108 (12/11/2024) | 0.14 (11/19/2015) | (0.108 - 0.14)/(48 - 12) | -0.000888889 |
| 0.236 (2/18/2025) | 0.14 (11/19/2015) | (0.236 - 0.14)/(49 - 12) | 0.00259459 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(14 - 13) | -0.2 |
| ND<0.1 U (8/9/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(15 - 13) | -0.1 |
| ND<0.1 U (12/7/2016) | 0.3 (3/15/2016) | (0.1 - 0.3)/(16 - 13) | -0.0666667 |
| 0.1 U (3/2/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(17 - 13) | -0.05 |
| ND<0.1 U (7/5/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(18 - 13) | -0.04 |
| ND<0.1 U (8/16/2017) | 0.3 (3/15/2016) | (0.1 - 0.3)/(19 - 13) | -0.0333333 |
| 0.15 (10/25/2017) | 0.3 (3/15/2016) | (0.15 - 0.3)/(20 - 13) | -0.0214286 |
| ND<0.1 U (3/28/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(21 - 13) | -0.025 |
| ND<0.1 U (6/29/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(22 - 13) | -0.0222222 |
| ND<0.1 U (8/2/2018) | 0.3 (3/15/2016) | (0.1 - 0.3)/(23 - 13) | -0.02 |
| 0.169 (12/10/2018) | 0.3 (3/15/2016) | (0.169 - 0.3)/(24 - 13) | -0.0119091 |
| ND<0.1 U (4/15/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(25 - 13) | -0.0166667 |
| ND<0.1 U (6/12/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(26 - 13) | -0.0153846 |
| 0.141 (8/27/2019) | 0.3 (3/15/2016) | (0.141 - 0.3)/(27 - 13) | -0.0113571 |
| ND<0.1 U (10/29/2019) | 0.3 (3/15/2016) | (0.1 - 0.3)/(28 - 13) | -0.0133333 |
| ND<0.1 U (3/30/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(29 - 13) | -0.0125 |
| ND<0.1 U (6/16/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(30 - 13) | -0.0117647 |
| 0.202 (9/21/2020) | 0.3 (3/15/2016) | (0.202 - 0.3)/(31 - 13) | -0.00544444 |
| ND<0.1 U (12/17/2020) | 0.3 (3/15/2016) | (0.1 - 0.3)/(32 - 13) | -0.0105263 |
| ND<0.1 U (3/18/2021) | 0.3 (3/15/2016) | (0.1 - 0.3)/(33 - 13) | -0.01 |
| ND<0.1 U (5/5/2021) | 0.3 (3/15/2016) | (0.1 - 0.3)/(34 - 13) | -0.00952381 |
| ND<0.1 U (9/2/2021) | 0.3 (3/15/2016) | (0.1 - 0.3)/(35 - 13) | -0.00909091 |
| 0.103 (11/23/2021) | 0.3 (3/15/2016) | (0.103 - 0.3)/(36 - 13) | -0.00856522 |
| ND<0.1 U (1/11/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(37 - 13) | -0.00833333 |
| 0.101 (4/7/2022) | 0.3 (3/15/2016) | (0.101 - 0.3)/(38 - 13) | -0.00796 |
| ND<0.1 U (8/2/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(39 - 13) | -0.00769231 |
| ND<0.1 U (11/16/2022) | 0.3 (3/15/2016) | (0.1 - 0.3)/(40 - 13) | -0.00740741 |
| ND<0.1 U (2/14/2023) | 0.3 (3/15/2016) | (0.1 - 0.3)/(41 - 13) | -0.00714286 |
| 0.085 (5/25/2023) | 0.3 (3/15/2016) | (0.085 - 0.3)/(42 - 13) | -0.00741379 |
| 0.15 (8/7/2023) | 0.3 (3/15/2016) | (0.15 - 0.3)/(43 - 13) | -0.005 |
| 0.0358 (12/12/2023) | 0.3 (3/15/2016) | (0.0358 - 0.3)/(44 - 13) | -0.00852258 |
| 0.117 (1/10/2024) | 0.3 (3/15/2016) | (0.117 - 0.3)/(45 - 13) | -0.00571875 |
| 0.08 (5/21/2024) | 0.3 (3/15/2016) | (0.08 - 0.3)/(46 - 13) | -0.00666667 |
| 0.0709 (9/16/2024) | 0.3 (3/15/2016) | (0.0709 - 0.3)/(47 - 13) | -0.00673824 |
| 0.108 (12/11/2024) | 0.3 (3/15/2016) | (0.108 - 0.3)/(48 - 13) | -0.00548571 |
| 0.236 (2/18/2025) | 0.3 (3/15/2016) | (0.236 - 0.3)/(49 - 13) | -0.00177778 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |

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|---|---|---|---|
| 0.1 U (3/2/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(17 - 14) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (6/29/2016) | (0.15 - 0.1)/(20 - 14) | 0.00833333 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (6/29/2016) | (0.169 - 0.1)/(24 - 14) | 0.0069 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (6/29/2016) | (0.141 - 0.1)/(27 - 14) | 0.00315385 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(29 - 14) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (6/29/2016) | (0.202 - 0.1)/(31 - 14) | 0.006 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (6/29/2016) | (0.103 - 0.1)/(36 - 14) | 0.000136364 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.101 - 0.1)/(38 - 14) | 4.16667e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (6/29/2016) | (0.085 - 0.1)/(42 - 14) | -0.000535714 |
| 0.15 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.15 - 0.1)/(43 - 14) | 0.00172414 |
| 0.0358 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.0358 - 0.1)/(44 - 14) | -0.00214 |
| 0.117 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.117 - 0.1)/(45 - 14) | 0.000548387 |
| 0.08 (5/21/2024) | ND<0.1 U (6/29/2016) | (0.08 - 0.1)/(46 - 14) | -0.000625 |
| 0.0709 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.0709 - 0.1)/(47 - 14) | -0.000881818 |
| 0.108 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(48 - 14) | 0.000235294 |
| 0.236 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.236 - 0.1)/(49 - 14) | 0.00388571 |

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|---|---|---|---|
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| 0.1 U (3/2/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(17 - 15) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (8/9/2016) | (0.15 - 0.1)/(20 - 15) | 0.01 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (8/9/2016) | (0.169 - 0.1)/(24 - 15) | 0.00766667 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (8/9/2016) | (0.141 - 0.1)/(27 - 15) | 0.00341667 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(29 - 15) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (8/9/2016) | (0.202 - 0.1)/(31 - 15) | 0.006375 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (8/9/2016) | (0.103 - 0.1)/(36 - 15) | 0.000142857 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.101 - 0.1)/(38 - 15) | 4.34783e-05 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (8/9/2016) | (0.085 - 0.1)/(42 - 15) | -0.000555556 |
| 0.15 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.15 - 0.1)/(43 - 15) | 0.00178571 |
| 0.0358 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.0358 - 0.1)/(44 - 15) | -0.00221379 |
| 0.117 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.117 - 0.1)/(45 - 15) | 0.000566667 |
| 0.08 (5/21/2024) | ND<0.1 U (8/9/2016) | (0.08 - 0.1)/(46 - 15) | -0.000645161 |
| 0.0709 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.0709 - 0.1)/(47 - 15) | -0.000909375 |
| 0.108 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(48 - 15) | 0.000242424 |
| 0.236 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.236 - 0.1)/(49 - 15) | 0.004 |
| | | | |
| 0.1 U (3/2/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(17 - 16) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(18 - 16) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(19 - 16) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (12/7/2016) | (0.15 - 0.1)/(20 - 16) | 0.0125 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(21 - 16) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(23 - 16) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (12/7/2016) | (0.169 - 0.1)/(24 - 16) | 0.008625 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(25 - 16) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(26 - 16) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (12/7/2016) | (0.141 - 0.1)/(27 - 16) | 0.00372727 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(28 - 16) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(29 - 16) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (12/7/2016) | (0.202 - 0.1)/(31 - 16) | 0.0068 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(32 - 16) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(33 - 16) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(34 - 16) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(35 - 16) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (12/7/2016) | (0.103 - 0.1)/(36 - 16) | 0.00015 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(37 - 16) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (12/7/2016) | (0.101 - 0.1)/(38 - 16) | 4.54545e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(41 - 16) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (12/7/2016) | (0.085 - 0.1)/(42 - 16) | -0.000576923 |
| 0.15 (8/7/2023) | ND<0.1 U (12/7/2016) | (0.15 - 0.1)/(43 - 16) | 0.00185185 |
| 0.0358 (12/12/2023) | ND<0.1 U (12/7/2016) | (0.0358 - 0.1)/(44 - 16) | -0.00229286 |
| 0.117 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.117 - 0.1)/(45 - 16) | 0.000586207 |
| 0.08 (5/21/2024) | ND<0.1 U (12/7/2016) | (0.08 - 0.1)/(46 - 16) | -0.000666667 |
| 0.0709 (9/16/2024) | ND<0.1 U (12/7/2016) | (0.0709 - 0.1)/(47 - 16) | -0.00093871 |
| 0.108 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.108 - 0.1)/(48 - 16) | 0.00025 |
| 0.236 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.236 - 0.1)/(49 - 16) | 0.00412121 |
| | | | |
| ND<0.1 U (7/5/2017) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(18 - 17) | 0 |
| ND<0.1 U (8/16/2017) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(19 - 17) | 0 |
| 0.15 (10/25/2017) | 0.1 U (3/2/2017) | (0.15 - 0.1)/(20 - 17) | 0.0166667 |
| ND<0.1 U (3/28/2018) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(21 - 17) | 0 |
| ND<0.1 U (6/29/2018) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(22 - 17) | 0 |
| ND<0.1 U (8/2/2018) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(23 - 17) | 0 |
| 0.169 (12/10/2018) | 0.1 U (3/2/2017) | (0.169 - 0.1)/(24 - 17) | 0.00985714 |
| ND<0.1 U (4/15/2019) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(25 - 17) | 0 |
| ND<0.1 U (6/12/2019) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(26 - 17) | 0 |
| 0.141 (8/27/2019) | 0.1 U (3/2/2017) | (0.141 - 0.1)/(27 - 17) | 0.0041 |
| ND<0.1 U (10/29/2019) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(28 - 17) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(29 - 17) | 0 |
| ND<0.1 U (6/16/2020) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(30 - 17) | 0 |
| 0.202 (9/21/2020) | 0.1 U (3/2/2017) | (0.202 - 0.1)/(31 - 17) | 0.00728571 |
| ND<0.1 U (12/17/2020) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(32 - 17) | 0 |
| ND<0.1 U (3/18/2021) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(33 - 17) | 0 |
| ND<0.1 U (5/5/2021) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(34 - 17) | 0 |
| ND<0.1 U (9/2/2021) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(35 - 17) | 0 |
| 0.103 (11/23/2021) | 0.1 U (3/2/2017) | (0.103 - 0.1)/(36 - 17) | 0.000157895 |
| ND<0.1 U (1/11/2022) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(37 - 17) | 0 |
| 0.101 (4/7/2022) | 0.1 U (3/2/2017) | (0.101 - 0.1)/(38 - 17) | 4.7619e-05 |
| ND<0.1 U (8/2/2022) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(39 - 17) | 0 |
| ND<0.1 U (11/16/2022) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(40 - 17) | 0 |
| ND<0.1 U (2/14/2023) | 0.1 U (3/2/2017) | (0.1 - 0.1)/(41 - 17) | 0 |
| 0.085 (5/25/2023) | 0.1 U (3/2/2017) | (0.085 - 0.1)/(42 - 17) | -0.0006 |
| 0.15 (8/7/2023) | 0.1 U (3/2/2017) | (0.15 - 0.1)/(43 - 17) | 0.00192308 |
| 0.0358 (12/12/2023) | 0.1 U (3/2/2017) | (0.0358 - 0.1)/(44 - 17) | -0.00237778 |
| 0.117 (1/10/2024) | 0.1 U (3/2/2017) | (0.117 - 0.1)/(45 - 17) | 0.000607143 |
| 0.08 (5/21/2024) | 0.1 U (3/2/2017) | (0.08 - 0.1)/(46 - 17) | -0.000689655 |
| 0.0709 (9/16/2024) | 0.1 U (3/2/2017) | (0.0709 - 0.1)/(47 - 17) | -0.00097 |
| 0.108 (12/11/2024) | 0.1 U (3/2/2017) | (0.108 - 0.1)/(48 - 17) | 0.000258065 |
| 0.236 (2/18/2025) | 0.1 U (3/2/2017) | (0.236 - 0.1)/(49 - 17) | 0.00425 |
| | | | |
| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| 0.15 (10/25/2017) | ND<0.1 U (7/5/2017) | (0.15 - 0.1)/(20 - 18) | 0.025 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (7/5/2017) | (0.169 - 0.1)/(24 - 18) | 0.0115 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (7/5/2017) | (0.141 - 0.1)/(27 - 18) | 0.00455556 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(28 - 18) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(29 - 18) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (7/5/2017) | (0.202 - 0.1)/(31 - 18) | 0.00784615 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (7/5/2017) | (0.103 - 0.1)/(36 - 18) | 0.000166667 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (7/5/2017) | (0.101 - 0.1)/(38 - 18) | 5e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (7/5/2017) | (0.085 - 0.1)/(42 - 18) | -0.000625 |
| 0.15 (8/7/2023) | ND<0.1 U (7/5/2017) | (0.15 - 0.1)/(43 - 18) | 0.002 |
| 0.0358 (12/12/2023) | ND<0.1 U (7/5/2017) | (0.0358 - 0.1)/(44 - 18) | -0.00246923 |
| 0.117 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.117 - 0.1)/(45 - 18) | 0.00062963 |
| 0.08 (5/21/2024) | ND<0.1 U (7/5/2017) | (0.08 - 0.1)/(46 - 18) | -0.000714286 |
| 0.0709 (9/16/2024) | ND<0.1 U (7/5/2017) | (0.0709 - 0.1)/(47 - 18) | -0.00100345 |
| 0.108 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.108 - 0.1)/(48 - 18) | 0.000266667 |
| 0.236 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.236 - 0.1)/(49 - 18) | 0.0043871 |
| | | | |
| 0.15 (10/25/2017) | ND<0.1 U (8/16/2017) | (0.15 - 0.1)/(20 - 19) | 0.05 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(21 - 19) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (8/16/2017) | (0.169 - 0.1)/(24 - 19) | 0.0138 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (8/16/2017) | (0.141 - 0.1)/(27 - 19) | 0.005125 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(29 - 19) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (8/16/2017) | (0.202 - 0.1)/(31 - 19) | 0.0085 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(34 - 19) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (8/16/2017) | (0.103 - 0.1)/(36 - 19) | 0.000176471 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(37 - 19) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (8/16/2017) | (0.101 - 0.1)/(38 - 19) | 5.26316e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (8/16/2017) | (0.085 - 0.1)/(42 - 19) | -0.000652174 |
| 0.15 (8/7/2023) | ND<0.1 U (8/16/2017) | (0.15 - 0.1)/(43 - 19) | 0.00208333 |
| 0.0358 (12/12/2023) | ND<0.1 U (8/16/2017) | (0.0358 - 0.1)/(44 - 19) | -0.002568 |
| 0.117 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.117 - 0.1)/(45 - 19) | 0.000653846 |
| 0.08 (5/21/2024) | ND<0.1 U (8/16/2017) | (0.08 - 0.1)/(46 - 19) | -0.000740741 |
| 0.0709 (9/16/2024) | ND<0.1 U (8/16/2017) | (0.0709 - 0.1)/(47 - 19) | -0.00103929 |
| 0.108 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.108 - 0.1)/(48 - 19) | 0.000275862 |
| 0.236 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.236 - 0.1)/(49 - 19) | 0.00453333 |

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|---|---|---|---|
| ND<0.1 U (3/28/2018) | 0.15 (10/25/2017) | (0.1 - 0.15)/(21 - 20) | -0.05 |
| ND<0.1 U (6/29/2018) | 0.15 (10/25/2017) | (0.1 - 0.15)/(22 - 20) | -0.025 |
| ND<0.1 U (8/2/2018) | 0.15 (10/25/2017) | (0.1 - 0.15)/(23 - 20) | -0.0166667 |
| 0.169 (12/10/2018) | 0.15 (10/25/2017) | (0.169 - 0.15)/(24 - 20) | 0.00475 |
| ND<0.1 U (4/15/2019) | 0.15 (10/25/2017) | (0.1 - 0.15)/(25 - 20) | -0.01 |
| ND<0.1 U (6/12/2019) | 0.15 (10/25/2017) | (0.1 - 0.15)/(26 - 20) | -0.00833333 |
| 0.141 (8/27/2019) | 0.15 (10/25/2017) | (0.141 - 0.15)/(27 - 20) | -0.00128571 |
| ND<0.1 U (10/29/2019) | 0.15 (10/25/2017) | (0.1 - 0.15)/(28 - 20) | -0.00625 |
| ND<0.1 U (3/30/2020) | 0.15 (10/25/2017) | (0.1 - 0.15)/(29 - 20) | -0.00555556 |
| ND<0.1 U (6/16/2020) | 0.15 (10/25/2017) | (0.1 - 0.15)/(30 - 20) | -0.005 |
| 0.202 (9/21/2020) | 0.15 (10/25/2017) | (0.202 - 0.15)/(31 - 20) | 0.00472727 |
| ND<0.1 U (12/17/2020) | 0.15 (10/25/2017) | (0.1 - 0.15)/(32 - 20) | -0.00416667 |
| ND<0.1 U (3/18/2021) | 0.15 (10/25/2017) | (0.1 - 0.15)/(33 - 20) | -0.00384615 |
| ND<0.1 U (5/5/2021) | 0.15 (10/25/2017) | (0.1 - 0.15)/(34 - 20) | -0.00357143 |
| ND<0.1 U (9/2/2021) | 0.15 (10/25/2017) | (0.1 - 0.15)/(35 - 20) | -0.00333333 |
| 0.103 (11/23/2021) | 0.15 (10/25/2017) | (0.103 - 0.15)/(36 - 20) | -0.0029375 |
| ND<0.1 U (1/11/2022) | 0.15 (10/25/2017) | (0.1 - 0.15)/(37 - 20) | -0.00294118 |
| 0.101 (4/7/2022) | 0.15 (10/25/2017) | (0.101 - 0.15)/(38 - 20) | -0.00272222 |
| ND<0.1 U (8/2/2022) | 0.15 (10/25/2017) | (0.1 - 0.15)/(39 - 20) | -0.00263158 |
| ND<0.1 U (11/16/2022) | 0.15 (10/25/2017) | (0.1 - 0.15)/(40 - 20) | -0.0025 |
| ND<0.1 U (2/14/2023) | 0.15 (10/25/2017) | (0.1 - 0.15)/(41 - 20) | -0.00238095 |
| 0.085 (5/25/2023) | 0.15 (10/25/2017) | (0.085 - 0.15)/(42 - 20) | -0.00295455 |
| 0.15 (8/7/2023) | 0.15 (10/25/2017) | (0.15 - 0.15)/(43 - 20) | 0 |
| 0.0358 (12/12/2023) | 0.15 (10/25/2017) | (0.0358 - 0.15)/(44 - 20) | -0.00475833 |
| 0.117 (1/10/2024) | 0.15 (10/25/2017) | (0.117 - 0.15)/(45 - 20) | -0.00132 |
| 0.08 (5/21/2024) | 0.15 (10/25/2017) | (0.08 - 0.15)/(46 - 20) | -0.00269231 |
| 0.0709 (9/16/2024) | 0.15 (10/25/2017) | (0.0709 - 0.15)/(47 - 20) | -0.00292963 |
| 0.108 (12/11/2024) | 0.15 (10/25/2017) | (0.108 - 0.15)/(48 - 20) | -0.0015 |
| 0.236 (2/18/2025) | 0.15 (10/25/2017) | (0.236 - 0.15)/(49 - 20) | 0.00296552 |

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|---|---|---|---|
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(22 - 21) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(23 - 21) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (3/28/2018) | (0.169 - 0.1)/(24 - 21) | 0.023 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (3/28/2018) | (0.141 - 0.1)/(27 - 21) | 0.00683333 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(28 - 21) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(29 - 21) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (3/28/2018) | (0.202 - 0.1)/(31 - 21) | 0.0102 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(35 - 21) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (3/28/2018) | (0.103 - 0.1)/(36 - 21) | 0.0002 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (3/28/2018) | (0.101 - 0.1)/(38 - 21) | 5.88235e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(39 - 21) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (3/28/2018) | (0.085 - 0.1)/(42 - 21) | -0.000714286 |
| 0.15 (8/7/2023) | ND<0.1 U (3/28/2018) | (0.15 - 0.1)/(43 - 21) | 0.00227273 |
| 0.0358 (12/12/2023) | ND<0.1 U (3/28/2018) | (0.0358 - 0.1)/(44 - 21) | -0.0027913 |
| 0.117 (1/10/2024) | ND<0.1 U (3/28/2018) | (0.117 - 0.1)/(45 - 21) | 0.000708333 |
| 0.08 (5/21/2024) | ND<0.1 U (3/28/2018) | (0.08 - 0.1)/(46 - 21) | -0.0008 |
| 0.0709 (9/16/2024) | ND<0.1 U (3/28/2018) | (0.0709 - 0.1)/(47 - 21) | -0.00111923 |
| 0.108 (12/11/2024) | ND<0.1 U (3/28/2018) | (0.108 - 0.1)/(48 - 21) | 0.000296296 |
| 0.236 (2/18/2025) | ND<0.1 U (3/28/2018) | (0.236 - 0.1)/(49 - 21) | 0.00485714 |
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| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| 0.169 (12/10/2018) | ND<0.1 U (6/29/2018) | (0.169 - 0.1)/(24 - 22) | 0.0345 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (6/29/2018) | (0.141 - 0.1)/(27 - 22) | 0.0082 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(28 - 22) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(29 - 22) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (6/29/2018) | (0.202 - 0.1)/(31 - 22) | 0.0113333 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (6/29/2018) | (0.103 - 0.1)/(36 - 22) | 0.000214286 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(37 - 22) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (6/29/2018) | (0.101 - 0.1)/(38 - 22) | 6.25e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(41 - 22) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (6/29/2018) | (0.085 - 0.1)/(42 - 22) | -0.00075 |
| 0.15 (8/7/2023) | ND<0.1 U (6/29/2018) | (0.15 - 0.1)/(43 - 22) | 0.00238095 |
| 0.0358 (12/12/2023) | ND<0.1 U (6/29/2018) | (0.0358 - 0.1)/(44 - 22) | -0.00291818 |
| 0.117 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.117 - 0.1)/(45 - 22) | 0.00073913 |
| 0.08 (5/21/2024) | ND<0.1 U (6/29/2018) | (0.08 - 0.1)/(46 - 22) | -0.000833333 |
| 0.0709 (9/16/2024) | ND<0.1 U (6/29/2018) | (0.0709 - 0.1)/(47 - 22) | -0.001164 |
| 0.108 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.108 - 0.1)/(48 - 22) | 0.000307692 |
| 0.236 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.236 - 0.1)/(49 - 22) | 0.00503704 |

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|---|---|---|---|
| 0.169 (12/10/2018) | ND<0.1 U (8/2/2018) | (0.169 - 0.1)/(24 - 23) | 0.069 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(25 - 23) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (8/2/2018) | (0.141 - 0.1)/(27 - 23) | 0.01025 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(28 - 23) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(29 - 23) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (8/2/2018) | (0.202 - 0.1)/(31 - 23) | 0.01275 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(32 - 23) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(33 - 23) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(34 - 23) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (8/2/2018) | (0.103 - 0.1)/(36 - 23) | 0.000230769 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(37 - 23) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (8/2/2018) | (0.101 - 0.1)/(38 - 23) | 6.66667e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(41 - 23) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (8/2/2018) | (0.085 - 0.1)/(42 - 23) | -0.000789474 |
| 0.15 (8/7/2023) | ND<0.1 U (8/2/2018) | (0.15 - 0.1)/(43 - 23) | 0.0025 |
| 0.0358 (12/12/2023) | ND<0.1 U (8/2/2018) | (0.0358 - 0.1)/(44 - 23) | -0.00305714 |
| 0.117 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.117 - 0.1)/(45 - 23) | 0.000772727 |
| 0.08 (5/21/2024) | ND<0.1 U (8/2/2018) | (0.08 - 0.1)/(46 - 23) | -0.000869565 |
| 0.0709 (9/16/2024) | ND<0.1 U (8/2/2018) | (0.0709 - 0.1)/(47 - 23) | -0.0012125 |
| 0.108 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.108 - 0.1)/(48 - 23) | 0.00032 |
| 0.236 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.236 - 0.1)/(49 - 23) | 0.00523077 |

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|---|---|---|---|
| ND<0.1 U (4/15/2019) | 0.169 (12/10/2018) | (0.1 - 0.169)/(25 - 24) | -0.069 |
| ND<0.1 U (6/12/2019) | 0.169 (12/10/2018) | (0.1 - 0.169)/(26 - 24) | -0.0345 |
| 0.141 (8/27/2019) | 0.169 (12/10/2018) | (0.141 - 0.169)/(27 - 24) | -0.00933333 |
| ND<0.1 U (10/29/2019) | 0.169 (12/10/2018) | (0.1 - 0.169)/(28 - 24) | -0.01725 |
| ND<0.1 U (3/30/2020) | 0.169 (12/10/2018) | (0.1 - 0.169)/(29 - 24) | -0.0138 |
| ND<0.1 U (6/16/2020) | 0.169 (12/10/2018) | (0.1 - 0.169)/(30 - 24) | -0.0115 |
| 0.202 (9/21/2020) | 0.169 (12/10/2018) | (0.202 - 0.169)/(31 - 24) | 0.00471429 |
| ND<0.1 U (12/17/2020) | 0.169 (12/10/2018) | (0.1 - 0.169)/(32 - 24) | -0.008625 |
| ND<0.1 U (3/18/2021) | 0.169 (12/10/2018) | (0.1 - 0.169)/(33 - 24) | -0.00766667 |
| ND<0.1 U (5/5/2021) | 0.169 (12/10/2018) | (0.1 - 0.169)/(34 - 24) | -0.0069 |
| ND<0.1 U (9/2/2021) | 0.169 (12/10/2018) | (0.1 - 0.169)/(35 - 24) | -0.00627273 |
| 0.103 (11/23/2021) | 0.169 (12/10/2018) | (0.103 - 0.169)/(36 - 24) | -0.0055 |
| ND<0.1 U (1/11/2022) | 0.169 (12/10/2018) | (0.1 - 0.169)/(37 - 24) | -0.00530769 |
| 0.101 (4/7/2022) | 0.169 (12/10/2018) | (0.101 - 0.169)/(38 - 24) | -0.00485714 |
| ND<0.1 U (8/2/2022) | 0.169 (12/10/2018) | (0.1 - 0.169)/(39 - 24) | -0.0046 |
| ND<0.1 U (11/16/2022) | 0.169 (12/10/2018) | (0.1 - 0.169)/(40 - 24) | -0.0043125 |
| ND<0.1 U (2/14/2023) | 0.169 (12/10/2018) | (0.1 - 0.169)/(41 - 24) | -0.00405882 |
| 0.085 (5/25/2023) | 0.169 (12/10/2018) | (0.085 - 0.169)/(42 - 24) | -0.00466667 |
| 0.15 (8/7/2023) | 0.169 (12/10/2018) | (0.15 - 0.169)/(43 - 24) | -0.001 |
| 0.0358 (12/12/2023) | 0.169 (12/10/2018) | (0.0358 - 0.169)/(44 - 24) | -0.00666 |
| 0.117 (1/10/2024) | 0.169 (12/10/2018) | (0.117 - 0.169)/(45 - 24) | -0.00247619 |
| 0.08 (5/21/2024) | 0.169 (12/10/2018) | (0.08 - 0.169)/(46 - 24) | -0.00404545 |
| 0.0709 (9/16/2024) | 0.169 (12/10/2018) | (0.0709 - 0.169)/(47 - 24) | -0.00426522 |
| 0.108 (12/11/2024) | 0.169 (12/10/2018) | (0.108 - 0.169)/(48 - 24) | -0.00254167 |
| 0.236 (2/18/2025) | 0.169 (12/10/2018) | (0.236 - 0.169)/(49 - 24) | 0.00268 |

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|---|---|---|---|
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| 0.141 (8/27/2019) | ND<0.1 U (4/15/2019) | (0.141 - 0.1)/(27 - 25) | 0.0205 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(28 - 25) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(29 - 25) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (4/15/2019) | (0.202 - 0.1)/(31 - 25) | 0.017 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(35 - 25) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (4/15/2019) | (0.103 - 0.1)/(36 - 25) | 0.000272727 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (4/15/2019) | (0.101 - 0.1)/(38 - 25) | 7.69231e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (4/15/2019) | (0.085 - 0.1)/(42 - 25) | -0.000882353 |
| 0.15 (8/7/2023) | ND<0.1 U (4/15/2019) | (0.15 - 0.1)/(43 - 25) | 0.00277778 |
| 0.0358 (12/12/2023) | ND<0.1 U (4/15/2019) | (0.0358 - 0.1)/(44 - 25) | -0.00337895 |
| 0.117 (1/10/2024) | ND<0.1 U (4/15/2019) | (0.117 - 0.1)/(45 - 25) | 0.00085 |
| 0.08 (5/21/2024) | ND<0.1 U (4/15/2019) | (0.08 - 0.1)/(46 - 25) | -0.000952381 |
| 0.0709 (9/16/2024) | ND<0.1 U (4/15/2019) | (0.0709 - 0.1)/(47 - 25) | -0.00132273 |
| 0.108 (12/11/2024) | ND<0.1 U (4/15/2019) | (0.108 - 0.1)/(48 - 25) | 0.000347826 |
| 0.236 (2/18/2025) | ND<0.1 U (4/15/2019) | (0.236 - 0.1)/(49 - 25) | 0.00566667 |
| | | | |
| 0.141 (8/27/2019) | ND<0.1 U (6/12/2019) | (0.141 - 0.1)/(27 - 26) | 0.041 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(28 - 26) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(29 - 26) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (6/12/2019) | (0.202 - 0.1)/(31 - 26) | 0.0204 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (6/12/2019) | (0.103 - 0.1)/(36 - 26) | 0.0003 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (6/12/2019) | (0.101 - 0.1)/(38 - 26) | 8.33333e-05 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (6/12/2019) | (0.085 - 0.1)/(42 - 26) | -0.0009375 |
| 0.15 (8/7/2023) | ND<0.1 U (6/12/2019) | (0.15 - 0.1)/(43 - 26) | 0.00294118 |
| 0.0358 (12/12/2023) | ND<0.1 U (6/12/2019) | (0.0358 - 0.1)/(44 - 26) | -0.00356667 |
| 0.117 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.117 - 0.1)/(45 - 26) | 0.000894737 |
| 0.08 (5/21/2024) | ND<0.1 U (6/12/2019) | (0.08 - 0.1)/(46 - 26) | -0.001 |
| 0.0709 (9/16/2024) | ND<0.1 U (6/12/2019) | (0.0709 - 0.1)/(47 - 26) | -0.00138571 |
| 0.108 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.108 - 0.1)/(48 - 26) | 0.000363636 |
| 0.236 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.236 - 0.1)/(49 - 26) | 0.00591304 |
| | | | |
| ND<0.1 U (10/29/2019) | 0.141 (8/27/2019) | (0.1 - 0.141)/(28 - 27) | -0.041 |
| ND<0.1 U (3/30/2020) | 0.141 (8/27/2019) | (0.1 - 0.141)/(29 - 27) | -0.0205 |
| ND<0.1 U (6/16/2020) | 0.141 (8/27/2019) | (0.1 - 0.141)/(30 - 27) | -0.0136667 |
| 0.202 (9/21/2020) | 0.141 (8/27/2019) | (0.202 - 0.141)/(31 - 27) | 0.01525 |
| ND<0.1 U (12/17/2020) | 0.141 (8/27/2019) | (0.1 - 0.141)/(32 - 27) | -0.0082 |
| ND<0.1 U (3/18/2021) | 0.141 (8/27/2019) | (0.1 - 0.141)/(33 - 27) | -0.00683333 |
| ND<0.1 U (5/5/2021) | 0.141 (8/27/2019) | (0.1 - 0.141)/(34 - 27) | -0.00585714 |
| ND<0.1 U (9/2/2021) | 0.141 (8/27/2019) | (0.1 - 0.141)/(35 - 27) | -0.005125 |
| 0.103 (11/23/2021) | 0.141 (8/27/2019) | (0.103 - 0.141)/(36 - 27) | -0.00422222 |
| ND<0.1 U (1/11/2022) | 0.141 (8/27/2019) | (0.1 - 0.141)/(37 - 27) | -0.0041 |
| 0.101 (4/7/2022) | 0.141 (8/27/2019) | (0.101 - 0.141)/(38 - 27) | -0.00363636 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | 0.141 (8/27/2019) | (0.1 - 0.141)/(39 - 27) | -0.00341667 |
| ND<0.1 U (11/16/2022) | 0.141 (8/27/2019) | (0.1 - 0.141)/(40 - 27) | -0.00315385 |
| ND<0.1 U (2/14/2023) | 0.141 (8/27/2019) | (0.1 - 0.141)/(41 - 27) | -0.00292857 |
| 0.085 (5/25/2023) | 0.141 (8/27/2019) | (0.085 - 0.141)/(42 - 27) | -0.00373333 |
| 0.15 (8/7/2023) | 0.141 (8/27/2019) | (0.15 - 0.141)/(43 - 27) | 0.0005625 |
| 0.0358 (12/12/2023) | 0.141 (8/27/2019) | (0.0358 - 0.141)/(44 - 27) | -0.00618824 |
| 0.117 (1/10/2024) | 0.141 (8/27/2019) | (0.117 - 0.141)/(45 - 27) | -0.00133333 |
| 0.08 (5/21/2024) | 0.141 (8/27/2019) | (0.08 - 0.141)/(46 - 27) | -0.00321053 |
| 0.0709 (9/16/2024) | 0.141 (8/27/2019) | (0.0709 - 0.141)/(47 - 27) | -0.003505 |
| 0.108 (12/11/2024) | 0.141 (8/27/2019) | (0.108 - 0.141)/(48 - 27) | -0.00157143 |
| 0.236 (2/18/2025) | 0.141 (8/27/2019) | (0.236 - 0.141)/(49 - 27) | 0.00431818 |
| | | | |
| ND<0.1 U (3/30/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(29 - 28) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (10/29/2019) | (0.202 - 0.1)/(31 - 28) | 0.034 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(32 - 28) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(33 - 28) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(34 - 28) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(35 - 28) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (10/29/2019) | (0.103 - 0.1)/(36 - 28) | 0.000375 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(37 - 28) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (10/29/2019) | (0.101 - 0.1)/(38 - 28) | 0.0001 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(39 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(40 - 28) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(41 - 28) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (10/29/2019) | (0.085 - 0.1)/(42 - 28) | -0.00107143 |
| 0.15 (8/7/2023) | ND<0.1 U (10/29/2019) | (0.15 - 0.1)/(43 - 28) | 0.00333333 |
| 0.0358 (12/12/2023) | ND<0.1 U (10/29/2019) | (0.0358 - 0.1)/(44 - 28) | -0.0040125 |
| 0.117 (1/10/2024) | ND<0.1 U (10/29/2019) | (0.117 - 0.1)/(45 - 28) | 0.001 |
| 0.08 (5/21/2024) | ND<0.1 U (10/29/2019) | (0.08 - 0.1)/(46 - 28) | -0.00111111 |
| 0.0709 (9/16/2024) | ND<0.1 U (10/29/2019) | (0.0709 - 0.1)/(47 - 28) | -0.00153158 |
| 0.108 (12/11/2024) | ND<0.1 U (10/29/2019) | (0.108 - 0.1)/(48 - 28) | 0.0004 |
| 0.236 (2/18/2025) | ND<0.1 U (10/29/2019) | (0.236 - 0.1)/(49 - 28) | 0.00647619 |
| | | | |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(30 - 29) | 0 |
| 0.202 (9/21/2020) | ND<0.1 U (3/30/2020) | (0.202 - 0.1)/(31 - 29) | 0.051 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(32 - 29) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(33 - 29) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(34 - 29) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(35 - 29) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (3/30/2020) | (0.103 - 0.1)/(36 - 29) | 0.000428571 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(37 - 29) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (3/30/2020) | (0.101 - 0.1)/(38 - 29) | 0.000111111 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(39 - 29) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(40 - 29) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(41 - 29) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (3/30/2020) | (0.085 - 0.1)/(42 - 29) | -0.00115385 |
| 0.15 (8/7/2023) | ND<0.1 U (3/30/2020) | (0.15 - 0.1)/(43 - 29) | 0.00357143 |
| 0.0358 (12/12/2023) | ND<0.1 U (3/30/2020) | (0.0358 - 0.1)/(44 - 29) | -0.00428 |
| 0.117 (1/10/2024) | ND<0.1 U (3/30/2020) | (0.117 - 0.1)/(45 - 29) | 0.0010625 |
| 0.08 (5/21/2024) | ND<0.1 U (3/30/2020) | (0.08 - 0.1)/(46 - 29) | -0.00117647 |
| 0.0709 (9/16/2024) | ND<0.1 U (3/30/2020) | (0.0709 - 0.1)/(47 - 29) | -0.00161667 |
| 0.108 (12/11/2024) | ND<0.1 U (3/30/2020) | (0.108 - 0.1)/(48 - 29) | 0.000421053 |
| 0.236 (2/18/2025) | ND<0.1 U (3/30/2020) | (0.236 - 0.1)/(49 - 29) | 0.0068 |
| | | | |
| 0.202 (9/21/2020) | ND<0.1 U (6/16/2020) | (0.202 - 0.1)/(31 - 30) | 0.102 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(32 - 30) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(34 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (6/16/2020) | (0.103 - 0.1)/(36 - 30) | 0.0005 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (6/16/2020) | (0.101 - 0.1)/(38 - 30) | 0.000125 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (6/16/2020) | (0.085 - 0.1)/(42 - 30) | -0.00125 |
| 0.15 (8/7/2023) | ND<0.1 U (6/16/2020) | (0.15 - 0.1)/(43 - 30) | 0.00384615 |
| 0.0358 (12/12/2023) | ND<0.1 U (6/16/2020) | (0.0358 - 0.1)/(44 - 30) | -0.00458571 |
| 0.117 (1/10/2024) | ND<0.1 U (6/16/2020) | (0.117 - 0.1)/(45 - 30) | 0.00113333 |
| 0.08 (5/21/2024) | ND<0.1 U (6/16/2020) | (0.08 - 0.1)/(46 - 30) | -0.00125 |
| 0.0709 (9/16/2024) | ND<0.1 U (6/16/2020) | (0.0709 - 0.1)/(47 - 30) | -0.00171176 |
| 0.108 (12/11/2024) | ND<0.1 U (6/16/2020) | (0.108 - 0.1)/(48 - 30) | 0.000444444 |
| 0.236 (2/18/2025) | ND<0.1 U (6/16/2020) | (0.236 - 0.1)/(49 - 30) | 0.00715789 |
| | | | |
| ND<0.1 U (12/17/2020) | 0.202 (9/21/2020) | (0.1 - 0.202)/(32 - 31) | -0.102 |
| ND<0.1 U (3/18/2021) | 0.202 (9/21/2020) | (0.1 - 0.202)/(33 - 31) | -0.051 |
| ND<0.1 U (5/5/2021) | 0.202 (9/21/2020) | (0.1 - 0.202)/(34 - 31) | -0.034 |
| ND<0.1 U (9/2/2021) | 0.202 (9/21/2020) | (0.1 - 0.202)/(35 - 31) | -0.0255 |
| 0.103 (11/23/2021) | 0.202 (9/21/2020) | (0.103 - 0.202)/(36 - 31) | -0.0198 |
| ND<0.1 U (1/11/2022) | 0.202 (9/21/2020) | (0.1 - 0.202)/(37 - 31) | -0.017 |
| 0.101 (4/7/2022) | 0.202 (9/21/2020) | (0.101 - 0.202)/(38 - 31) | -0.0144286 |
| ND<0.1 U (8/2/2022) | 0.202 (9/21/2020) | (0.1 - 0.202)/(39 - 31) | -0.01275 |
| ND<0.1 U (11/16/2022) | 0.202 (9/21/2020) | (0.1 - 0.202)/(40 - 31) | -0.0113333 |
| ND<0.1 U (2/14/2023) | 0.202 (9/21/2020) | (0.1 - 0.202)/(41 - 31) | -0.0102 |
| 0.085 (5/25/2023) | 0.202 (9/21/2020) | (0.085 - 0.202)/(42 - 31) | -0.0106364 |
| 0.15 (8/7/2023) | 0.202 (9/21/2020) | (0.15 - 0.202)/(43 - 31) | -0.00433333 |
| 0.0358 (12/12/2023) | 0.202 (9/21/2020) | (0.0358 - 0.202)/(44 - 31) | -0.0127846 |
| 0.117 (1/10/2024) | 0.202 (9/21/2020) | (0.117 - 0.202)/(45 - 31) | -0.00607143 |
| 0.08 (5/21/2024) | 0.202 (9/21/2020) | (0.08 - 0.202)/(46 - 31) | -0.00813333 |
| 0.0709 (9/16/2024) | 0.202 (9/21/2020) | (0.0709 - 0.202)/(47 - 31) | -0.00819375 |
| 0.108 (12/11/2024) | 0.202 (9/21/2020) | (0.108 - 0.202)/(48 - 31) | -0.00552941 |
| 0.236 (2/18/2025) | 0.202 (9/21/2020) | (0.236 - 0.202)/(49 - 31) | 0.00188889 |
| | | | |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(35 - 32) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (12/17/2020) | (0.103 - 0.1)/(36 - 32) | 0.00075 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (12/17/2020) | (0.101 - 0.1)/(38 - 32) | 0.000166667 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (12/17/2020) | (0.085 - 0.1)/(42 - 32) | -0.0015 |
| 0.15 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.15 - 0.1)/(43 - 32) | 0.00454545 |
| 0.0358 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0358 - 0.1)/(44 - 32) | -0.00535 |
| 0.117 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.117 - 0.1)/(45 - 32) | 0.00130769 |
| 0.08 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.08 - 0.1)/(46 - 32) | -0.00142857 |
| 0.0709 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0709 - 0.1)/(47 - 32) | -0.00194 |
| 0.108 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.108 - 0.1)/(48 - 32) | 0.0005 |
| 0.236 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.236 - 0.1)/(49 - 32) | 0.008 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(35 - 33) | 0 |

| | | | |
|---|---|---|---|
| 0.103 (11/23/2021) | ND<0.1 U (3/18/2021) | (0.103 - 0.1)/(36 - 33) | 0.001 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(37 - 33) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (3/18/2021) | (0.101 - 0.1)/(38 - 33) | 0.0002 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(39 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (3/18/2021) | (0.085 - 0.1)/(42 - 33) | -0.00166667 |
| 0.15 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.15 - 0.1)/(43 - 33) | 0.005 |
| 0.0358 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0358 - 0.1)/(44 - 33) | -0.00583636 |
| 0.117 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.117 - 0.1)/(45 - 33) | 0.00141667 |
| 0.08 (5/21/2024) | ND<0.1 U (3/18/2021) | (0.08 - 0.1)/(46 - 33) | -0.00153846 |
| 0.0709 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.0709 - 0.1)/(47 - 33) | -0.00207857 |
| 0.108 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.108 - 0.1)/(48 - 33) | 0.000533333 |
| 0.236 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.236 - 0.1)/(49 - 33) | 0.0085 |
| | | | |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(35 - 34) | 0 |
| 0.103 (11/23/2021) | ND<0.1 U (5/5/2021) | (0.103 - 0.1)/(36 - 34) | 0.0015 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(37 - 34) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (5/5/2021) | (0.101 - 0.1)/(38 - 34) | 0.00025 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(39 - 34) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (5/5/2021) | (0.085 - 0.1)/(42 - 34) | -0.001875 |
| 0.15 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.15 - 0.1)/(43 - 34) | 0.00555556 |
| 0.0358 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.0358 - 0.1)/(44 - 34) | -0.00642 |
| 0.117 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.117 - 0.1)/(45 - 34) | 0.00154545 |
| 0.08 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.08 - 0.1)/(46 - 34) | -0.00166667 |
| 0.0709 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0709 - 0.1)/(47 - 34) | -0.00223846 |
| 0.108 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.108 - 0.1)/(48 - 34) | 0.000571429 |
| 0.236 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.236 - 0.1)/(49 - 34) | 0.00906667 |
| | | | |
| 0.103 (11/23/2021) | ND<0.1 U (9/2/2021) | (0.103 - 0.1)/(36 - 35) | 0.003 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(37 - 35) | 0 |
| 0.101 (4/7/2022) | ND<0.1 U (9/2/2021) | (0.101 - 0.1)/(38 - 35) | 0.000333333 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 35) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(41 - 35) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (9/2/2021) | (0.085 - 0.1)/(42 - 35) | -0.00214286 |
| 0.15 (8/7/2023) | ND<0.1 U (9/2/2021) | (0.15 - 0.1)/(43 - 35) | 0.00625 |
| 0.0358 (12/12/2023) | ND<0.1 U (9/2/2021) | (0.0358 - 0.1)/(44 - 35) | -0.00713333 |
| 0.117 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.117 - 0.1)/(45 - 35) | 0.0017 |
| 0.08 (5/21/2024) | ND<0.1 U (9/2/2021) | (0.08 - 0.1)/(46 - 35) | -0.00181818 |
| 0.0709 (9/16/2024) | ND<0.1 U (9/2/2021) | (0.0709 - 0.1)/(47 - 35) | -0.002425 |
| 0.108 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.108 - 0.1)/(48 - 35) | 0.000615385 |
| 0.236 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.236 - 0.1)/(49 - 35) | 0.00971429 |
| | | | |
| ND<0.1 U (1/11/2022) | 0.103 (11/23/2021) | (0.1 - 0.103)/(37 - 36) | -0.003 |
| 0.101 (4/7/2022) | 0.103 (11/23/2021) | (0.101 - 0.103)/(38 - 36) | -0.001 |
| ND<0.1 U (8/2/2022) | 0.103 (11/23/2021) | (0.1 - 0.103)/(39 - 36) | -0.001 |
| ND<0.1 U (11/16/2022) | 0.103 (11/23/2021) | (0.1 - 0.103)/(40 - 36) | -0.00075 |
| ND<0.1 U (2/14/2023) | 0.103 (11/23/2021) | (0.1 - 0.103)/(41 - 36) | -0.0006 |
| 0.085 (5/25/2023) | 0.103 (11/23/2021) | (0.085 - 0.103)/(42 - 36) | -0.003 |
| 0.15 (8/7/2023) | 0.103 (11/23/2021) | (0.15 - 0.103)/(43 - 36) | 0.00671429 |
| 0.0358 (12/12/2023) | 0.103 (11/23/2021) | (0.0358 - 0.103)/(44 - 36) | -0.0084 |
| 0.117 (1/10/2024) | 0.103 (11/23/2021) | (0.117 - 0.103)/(45 - 36) | 0.00155556 |
| 0.08 (5/21/2024) | 0.103 (11/23/2021) | (0.08 - 0.103)/(46 - 36) | -0.0023 |
| 0.0709 (9/16/2024) | 0.103 (11/23/2021) | (0.0709 - 0.103)/(47 - 36) | -0.00291818 |

| | | | |
|---|---|---|---|
| 0.108 (12/11/2024) | 0.103 (11/23/2021) | (0.108 - 0.103)/(48 - 36) | 0.000416667 |
| 0.236 (2/18/2025) | 0.103 (11/23/2021) | (0.236 - 0.103)/(49 - 36) | 0.0102308 |
| | | | |
| 0.101 (4/7/2022) | ND<0.1 U (1/11/2022) | (0.101 - 0.1)/(38 - 37) | 0.001 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(39 - 37) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(41 - 37) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.085 - 0.1)/(42 - 37) | -0.003 |
| 0.15 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.15 - 0.1)/(43 - 37) | 0.00833333 |
| 0.0358 (12/12/2023) | ND<0.1 U (1/11/2022) | (0.0358 - 0.1)/(44 - 37) | -0.00917143 |
| 0.117 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.117 - 0.1)/(45 - 37) | 0.002125 |
| 0.08 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.08 - 0.1)/(46 - 37) | -0.00222222 |
| 0.0709 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0709 - 0.1)/(47 - 37) | -0.00291 |
| 0.108 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.108 - 0.1)/(48 - 37) | 0.000727273 |
| 0.236 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.236 - 0.1)/(49 - 37) | 0.0113333 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.101 (4/7/2022) | (0.1 - 0.101)/(39 - 38) | -0.001 |
| ND<0.1 U (11/16/2022) | 0.101 (4/7/2022) | (0.1 - 0.101)/(40 - 38) | -0.0005 |
| ND<0.1 U (2/14/2023) | 0.101 (4/7/2022) | (0.1 - 0.101)/(41 - 38) | -0.000333333 |
| 0.085 (5/25/2023) | 0.101 (4/7/2022) | (0.085 - 0.101)/(42 - 38) | -0.004 |
| 0.15 (8/7/2023) | 0.101 (4/7/2022) | (0.15 - 0.101)/(43 - 38) | 0.0098 |
| 0.0358 (12/12/2023) | 0.101 (4/7/2022) | (0.0358 - 0.101)/(44 - 38) | -0.0108667 |
| 0.117 (1/10/2024) | 0.101 (4/7/2022) | (0.117 - 0.101)/(45 - 38) | 0.00228571 |
| 0.08 (5/21/2024) | 0.101 (4/7/2022) | (0.08 - 0.101)/(46 - 38) | -0.002625 |
| 0.0709 (9/16/2024) | 0.101 (4/7/2022) | (0.0709 - 0.101)/(47 - 38) | -0.00334444 |
| 0.108 (12/11/2024) | 0.101 (4/7/2022) | (0.108 - 0.101)/(48 - 38) | 0.0007 |
| 0.236 (2/18/2025) | 0.101 (4/7/2022) | (0.236 - 0.101)/(49 - 38) | 0.0122727 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.085 - 0.1)/(42 - 39) | -0.005 |
| 0.15 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.15 - 0.1)/(43 - 39) | 0.0125 |
| 0.0358 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.0358 - 0.1)/(44 - 39) | -0.01284 |
| 0.117 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.117 - 0.1)/(45 - 39) | 0.00283333 |
| 0.08 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.08 - 0.1)/(46 - 39) | -0.00285714 |
| 0.0709 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0709 - 0.1)/(47 - 39) | -0.0036375 |
| 0.108 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.108 - 0.1)/(48 - 39) | 0.000888889 |
| 0.236 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.236 - 0.1)/(49 - 39) | 0.0136 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.085 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.085 - 0.1)/(42 - 40) | -0.0075 |
| 0.15 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.15 - 0.1)/(43 - 40) | 0.0166667 |
| 0.0358 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0358 - 0.1)/(44 - 40) | -0.01605 |
| 0.117 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.117 - 0.1)/(45 - 40) | 0.0034 |
| 0.08 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.08 - 0.1)/(46 - 40) | -0.00333333 |
| 0.0709 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0709 - 0.1)/(47 - 40) | -0.00415714 |
| 0.108 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.108 - 0.1)/(48 - 40) | 0.001 |
| 0.236 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.236 - 0.1)/(49 - 40) | 0.0151111 |
| | | | |
| 0.085 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.085 - 0.1)/(42 - 41) | -0.015 |
| 0.15 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.15 - 0.1)/(43 - 41) | 0.025 |
| 0.0358 (12/12/2023) | ND<0.1 U (2/14/2023) | (0.0358 - 0.1)/(44 - 41) | -0.0214 |
| 0.117 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.117 - 0.1)/(45 - 41) | 0.00425 |
| 0.08 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.08 - 0.1)/(46 - 41) | -0.004 |
| 0.0709 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0709 - 0.1)/(47 - 41) | -0.00485 |
| 0.108 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.108 - 0.1)/(48 - 41) | 0.00114286 |
| 0.236 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.236 - 0.1)/(49 - 41) | 0.017 |

| | | | |
|---|---|---|---|
| 0.15 (8/7/2023) | 0.085 (5/25/2023) | (0.15 - 0.085)/(43 - 42) | 0.065 |
| 0.0358 (12/12/2023) | 0.085 (5/25/2023) | (0.0358 - 0.085)/(44 - 42) | -0.0246 |
| 0.117 (1/10/2024) | 0.085 (5/25/2023) | (0.117 - 0.085)/(45 - 42) | 0.0106667 |
| 0.08 (5/21/2024) | 0.085 (5/25/2023) | (0.08 - 0.085)/(46 - 42) | -0.00125 |
| 0.0709 (9/16/2024) | 0.085 (5/25/2023) | (0.0709 - 0.085)/(47 - 42) | -0.00282 |
| 0.108 (12/11/2024) | 0.085 (5/25/2023) | (0.108 - 0.085)/(48 - 42) | 0.00383333 |
| 0.236 (2/18/2025) | 0.085 (5/25/2023) | (0.236 - 0.085)/(49 - 42) | 0.0215714 |
| | | | |
| 0.0358 (12/12/2023) | 0.15 (8/7/2023) | (0.0358 - 0.15)/(44 - 43) | -0.1142 |
| 0.117 (1/10/2024) | 0.15 (8/7/2023) | (0.117 - 0.15)/(45 - 43) | -0.0165 |
| 0.08 (5/21/2024) | 0.15 (8/7/2023) | (0.08 - 0.15)/(46 - 43) | -0.0233333 |
| 0.0709 (9/16/2024) | 0.15 (8/7/2023) | (0.0709 - 0.15)/(47 - 43) | -0.019775 |
| 0.108 (12/11/2024) | 0.15 (8/7/2023) | (0.108 - 0.15)/(48 - 43) | -0.0084 |
| 0.236 (2/18/2025) | 0.15 (8/7/2023) | (0.236 - 0.15)/(49 - 43) | 0.0143333 |
| | | | |
| 0.117 (1/10/2024) | 0.0358 (12/12/2023) | (0.117 - 0.0358)/(45 - 44) | 0.0812 |
| 0.08 (5/21/2024) | 0.0358 (12/12/2023) | (0.08 - 0.0358)/(46 - 44) | 0.0221 |
| 0.0709 (9/16/2024) | 0.0358 (12/12/2023) | (0.0709 - 0.0358)/(47 - 44) | 0.0117 |
| 0.108 (12/11/2024) | 0.0358 (12/12/2023) | (0.108 - 0.0358)/(48 - 44) | 0.01805 |
| 0.236 (2/18/2025) | 0.0358 (12/12/2023) | (0.236 - 0.0358)/(49 - 44) | 0.04004 |
| | | | |
| 0.08 (5/21/2024) | 0.117 (1/10/2024) | (0.08 - 0.117)/(46 - 45) | -0.037 |
| 0.0709 (9/16/2024) | 0.117 (1/10/2024) | (0.0709 - 0.117)/(47 - 45) | -0.02305 |
| 0.108 (12/11/2024) | 0.117 (1/10/2024) | (0.108 - 0.117)/(48 - 45) | -0.003 |
| 0.236 (2/18/2025) | 0.117 (1/10/2024) | (0.236 - 0.117)/(49 - 45) | 0.02975 |
| | | | |
| 0.0709 (9/16/2024) | 0.08 (5/21/2024) | (0.0709 - 0.08)/(47 - 46) | -0.0091 |
| 0.108 (12/11/2024) | 0.08 (5/21/2024) | (0.108 - 0.08)/(48 - 46) | 0.014 |
| 0.236 (2/18/2025) | 0.08 (5/21/2024) | (0.236 - 0.08)/(49 - 46) | 0.052 |
| | | | |
| 0.108 (12/11/2024) | 0.0709 (9/16/2024) | (0.108 - 0.0709)/(48 - 47) | 0.0371 |
| 0.236 (2/18/2025) | 0.0709 (9/16/2024) | (0.236 - 0.0709)/(49 - 47) | 0.08255 |
| | | | |
| 0.236 (2/18/2025) | 0.108 (12/11/2024) | (0.236 - 0.108)/(49 - 48) | 0.128 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.2 |
| 2 | -0.1142 |
| 3 | -0.102 |
| 4 | -0.1 |
| 5 | -0.069 |
| 6 | -0.0666667 |
| 7 | -0.051 |
| 8 | -0.05 |
| 9 | -0.05 |
| 10 | -0.041 |
| 11 | -0.04 |
| 12 | -0.037 |
| 13 | -0.0345 |
| 14 | -0.034 |
| 15 | -0.0333333 |
| 16 | -0.03 |

| | |
|---|---|
| 17 | -0.0255 |
| 18 | -0.025 |
| 19 | -0.025 |
| 20 | -0.0246 |
| 21 | -0.0233333 |
| 22 | -0.02305 |
| 23 | -0.0222222 |
| 24 | -0.0214286 |
| 25 | -0.0214 |
| 26 | -0.0205 |
| 27 | -0.02 |
| 28 | -0.02 |
| 29 | -0.0198 |
| 30 | -0.019775 |
| 31 | -0.01725 |
| 32 | -0.017 |
| 33 | -0.0166667 |
| 34 | -0.0166667 |
| 35 | -0.0165 |
| 36 | -0.01605 |
| 37 | -0.0153846 |
| 38 | -0.015 |
| 39 | -0.015 |
| 40 | -0.0144286 |
| 41 | -0.0138 |
| 42 | -0.0136667 |
| 43 | -0.0133333 |
| 44 | -0.0133333 |
| 45 | -0.01284 |
| 46 | -0.0127846 |
| 47 | -0.01275 |
| 48 | -0.0125 |
| 49 | -0.0119091 |
| 50 | -0.0117647 |
| 51 | -0.0115 |
| 52 | -0.0113571 |
| 53 | -0.0113333 |
| 54 | -0.0108667 |
| 55 | -0.0106364 |
| 56 | -0.0105263 |
| 57 | -0.0102 |
| 58 | -0.01 |
| 59 | -0.01 |
| 60 | -0.01 |
| 61 | -0.01 |
| 62 | -0.01 |
| 63 | -0.00952381 |
| 64 | -0.00933333 |
| 65 | -0.00917143 |
| 66 | -0.0091 |
| 67 | -0.00909091 |
| 68 | -0.008625 |
| 69 | -0.00856522 |
| 70 | -0.00852258 |
| 71 | -0.0084 |
| 72 | -0.0084 |
| 73 | -0.00833333 |

| | |
|---|---|
| 74 | -0.00833333 |
| 75 | -0.0082 |
| 76 | -0.00819375 |
| 77 | -0.00813333 |
| 78 | -0.008 |
| 79 | -0.00796 |
| 80 | -0.00769231 |
| 81 | -0.00766667 |
| 82 | -0.0075 |
| 83 | -0.0075 |
| 84 | -0.00741379 |
| 85 | -0.00740741 |
| 86 | -0.00714286 |
| 87 | -0.00713333 |
| 88 | -0.0069 |
| 89 | -0.00683333 |
| 90 | -0.00673824 |
| 91 | -0.00666667 |
| 92 | -0.00666667 |
| 93 | -0.00666 |
| 94 | -0.00642 |
| 95 | -0.00627273 |
| 96 | -0.00625 |
| 97 | -0.00618824 |
| 98 | -0.00607143 |
| 99 | -0.00585714 |
| 100 | -0.00583636 |
| 101 | -0.00571875 |
| 102 | -0.00571429 |
| 103 | -0.00555556 |
| 104 | -0.00552941 |
| 105 | -0.0055 |
| 106 | -0.00548571 |
| 107 | -0.00544444 |
| 108 | -0.00535 |
| 109 | -0.00530769 |
| 110 | -0.005125 |
| 111 | -0.005 |
| 112 | -0.005 |
| 113 | -0.005 |
| 114 | -0.005 |
| 115 | -0.00485714 |
| 116 | -0.00485 |
| 117 | -0.00475833 |
| 118 | -0.00466667 |
| 119 | -0.0046 |
| 120 | -0.00458571 |
| 121 | -0.00444444 |
| 122 | -0.00433333 |
| 123 | -0.0043125 |
| 124 | -0.00428571 |
| 125 | -0.00428 |
| 126 | -0.00426522 |
| 127 | -0.00422222 |
| 128 | -0.00416667 |
| 129 | -0.00415714 |
| 130 | -0.0041 |

| | |
|---|---|
| 131 | -0.00405882 |
| 132 | -0.00404545 |
| 133 | -0.0040125 |
| 134 | -0.004 |
| 135 | -0.004 |
| 136 | -0.004 |
| 137 | -0.00384615 |
| 138 | -0.00375 |
| 139 | -0.00373333 |
| 140 | -0.0036375 |
| 141 | -0.00363636 |
| 142 | -0.00363636 |
| 143 | -0.00357143 |
| 144 | -0.00356667 |
| 145 | -0.003505 |
| 146 | -0.00341667 |
| 147 | -0.00337895 |
| 148 | -0.00334444 |
| 149 | -0.00333333 |
| 150 | -0.00333333 |
| 151 | -0.00333333 |
| 152 | -0.00333333 |
| 153 | -0.00325625 |
| 154 | -0.00321053 |
| 155 | -0.00315385 |
| 156 | -0.00307692 |
| 157 | -0.00305714 |
| 158 | -0.003 |
| 159 | -0.003 |
| 160 | -0.003 |
| 161 | -0.003 |
| 162 | -0.003 |
| 163 | -0.00295455 |
| 164 | -0.00294118 |
| 165 | -0.0029375 |
| 166 | -0.00292963 |
| 167 | -0.00292857 |
| 168 | -0.00291818 |
| 169 | -0.00291818 |
| 170 | -0.00291 |
| 171 | -0.00285714 |
| 172 | -0.00285714 |
| 173 | -0.00282 |
| 174 | -0.0027913 |
| 175 | -0.00272727 |
| 176 | -0.00272222 |
| 177 | -0.00269231 |
| 178 | -0.00263158 |
| 179 | -0.002625 |
| 180 | -0.002568 |
| 181 | -0.00254595 |
| 182 | -0.00254167 |
| 183 | -0.0025 |
| 184 | -0.0025 |
| 185 | -0.0025 |
| 186 | -0.0025 |
| 187 | -0.0025 |

| | |
|---|---|
| 188 | -0.00247619 |
| 189 | -0.00246923 |
| 190 | -0.002425 |
| 191 | -0.00238095 |
| 192 | -0.00237778 |
| 193 | -0.00235294 |
| 194 | -0.0023 |
| 195 | -0.00229286 |
| 196 | -0.00223846 |
| 197 | -0.00222222 |
| 198 | -0.00222222 |
| 199 | -0.00221379 |
| 200 | -0.00214286 |
| 201 | -0.00214286 |
| 202 | -0.00214 |
| 203 | -0.00207857 |
| 204 | -0.002 |
| 205 | -0.002 |
| 206 | -0.002 |
| 207 | -0.002 |
| 208 | -0.00197429 |
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| 1047 | 0.0041 |
| 1048 | 0.00412121 |
| 1049 | 0.00416667 |
| 1050 | 0.00425 |
| 1051 | 0.00425 |
| 1052 | 0.00428571 |
| 1053 | 0.0043125 |
| 1054 | 0.00431818 |
| 1055 | 0.0043871 |
| 1056 | 0.00443478 |
| 1057 | 0.00444444 |
| 1058 | 0.00453333 |
| 1059 | 0.00454545 |
| 1060 | 0.00454545 |
| 1061 | 0.00455556 |
| 1062 | 0.0046 |
| 1063 | 0.00463636 |
| 1064 | 0.00471429 |
| 1065 | 0.00472727 |
| 1066 | 0.00475 |
| 1067 | 0.00485714 |
| 1068 | 0.00485714 |
| 1069 | 0.00492857 |
| 1070 | 0.005 |
| 1071 | 0.005 |
| 1072 | 0.005 |
| 1073 | 0.005 |
| 1074 | 0.005 |
| 1075 | 0.00503704 |
| 1076 | 0.0051 |
| 1077 | 0.005125 |
| 1078 | 0.00523077 |
| 1079 | 0.00530769 |
| 1080 | 0.00555556 |
| 1081 | 0.00555556 |
| 1082 | 0.00566667 |
| 1083 | 0.00591304 |
| 1084 | 0.006 |
| 1085 | 0.006 |
| 1086 | 0.00625 |
| 1087 | 0.006375 |
| 1088 | 0.00647619 |
| 1089 | 0.00666667 |
| 1090 | 0.00666667 |
| 1091 | 0.00671429 |
| 1092 | 0.0068 |
| 1093 | 0.0068 |
| 1094 | 0.00683333 |
| 1095 | 0.0069 |
| 1096 | 0.00715789 |
| 1097 | 0.00728571 |
| 1098 | 0.0075 |
| 1099 | 0.00766667 |

| | |
|---|---|
| 1100 | 0.00784615 |
| 1101 | 0.008 |
| 1102 | 0.0082 |
| 1103 | 0.00833333 |
| 1104 | 0.00833333 |
| 1105 | 0.0085 |
| 1106 | 0.0085 |
| 1107 | 0.008625 |
| 1108 | 0.00906667 |
| 1109 | 0.00971429 |
| 1110 | 0.0098 |
| 1111 | 0.00985714 |
| 1112 | 0.01 |
| 1113 | 0.01 |
| 1114 | 0.01 |
| 1115 | 0.01 |
| 1116 | 0.0102 |
| 1117 | 0.0102308 |
| 1118 | 0.01025 |
| 1119 | 0.0106667 |
| 1120 | 0.0113333 |
| 1121 | 0.0113333 |
| 1122 | 0.0115 |
| 1123 | 0.0117 |
| 1124 | 0.0122727 |
| 1125 | 0.0125 |
| 1126 | 0.0125 |
| 1127 | 0.01275 |
| 1128 | 0.0133333 |
| 1129 | 0.0136 |
| 1130 | 0.0138 |
| 1131 | 0.014 |
| 1132 | 0.0143333 |
| 1133 | 0.0151111 |
| 1134 | 0.01525 |
| 1135 | 0.0166667 |
| 1136 | 0.0166667 |
| 1137 | 0.0166667 |
| 1138 | 0.017 |
| 1139 | 0.017 |
| 1140 | 0.01805 |
| 1141 | 0.0181818 |
| 1142 | 0.02 |
| 1143 | 0.02 |
| 1144 | 0.0204 |
| 1145 | 0.0205 |
| 1146 | 0.0211111 |
| 1147 | 0.0215714 |
| 1148 | 0.0221 |
| 1149 | 0.023 |
| 1150 | 0.02375 |
| 1151 | 0.025 |
| 1152 | 0.025 |
| 1153 | 0.0283333 |
| 1154 | 0.0285714 |
| 1155 | 0.02975 |
| 1156 | 0.03 |

| | |
|---|---|
| 1157 | 0.034 |
| 1158 | 0.0345 |
| 1159 | 0.0371 |
| 1160 | 0.04 |
| 1161 | 0.04 |
| 1162 | 0.04004 |
| 1163 | 0.041 |
| 1164 | 0.05 |
| 1165 | 0.05 |
| 1166 | 0.051 |
| 1167 | 0.052 |
| 1168 | 0.065 |
| 1169 | 0.0666667 |
| 1170 | 0.069 |
| 1171 | 0.0812 |
| 1172 | 0.08255 |
| 1173 | 0.1 |
| 1174 | 0.102 |
| 1175 | 0.128 |
| 1176 | 0.16 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 30 |
| 2 | 0.11 | 2 |
| 3 | 0.15 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/19/2014 | 1 |
| 9/30/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |

| | |
|---|---|
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 56586
B = 0
C = 24360
D = 0
E = 874
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 10315
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 167.056
M1 = (1176 - 167.056)/2.0 = 504.472
M2 = (1176 + 167.056)/2.0 + 1 = 672.528
Lower limit is 0 = Q(504)
Upper limit is 0 = Q(673)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: RC 2
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(4 - 1) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(12 - 1) | 0.00272727 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(16 - 1) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(17 - 1) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (3/12/2013) | (0.13 - 0.1)/(19 - 1) | 0.00166667 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(20 - 1) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(23 - 1) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(24 - 1) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(27 - 1) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (3/12/2013) | (0.2 - 0.1)/(28 - 1) | 0.0037037 |
| 0.12 (3/31/2020) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(29 - 1) | 0.000714286 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(35 - 1) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (3/12/2013) | (0.144 - 0.1)/(38 - 1) | 0.00118919 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (3/12/2013) | (0.0469 - 0.1)/(42 - 1) | -0.00129512 |
| 0.0662 (8/7/2023) | ND<0.1 U (3/12/2013) | (0.0662 - 0.1)/(43 - 1) | -0.000804762 |
| 0.0448 (12/12/2023) | ND<0.1 U (3/12/2013) | (0.0448 - 0.1)/(44 - 1) | -0.00128372 |
| 0.0428 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.0428 - 0.1)/(45 - 1) | -0.0013 |
| 0.0687 (5/20/2024) | ND<0.1 U (3/12/2013) | (0.0687 - 0.1)/(46 - 1) | -0.000695556 |
| 0.106 (9/16/2024) | ND<0.1 U (3/12/2013) | (0.106 - 0.1)/(47 - 1) | 0.000130435 |
| 0.083 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.083 - 0.1)/(48 - 1) | -0.000361702 |
| 0.12 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(49 - 1) | 0.000416667 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(12 - 2) | 0.003 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(16 - 2) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(17 - 2) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(19 - 2) | 0.00176471 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(23 - 2) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(24 - 2) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(27 - 2) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (5/8/2013) | (0.2 - 0.1)/(28 - 2) | 0.00384615 |
| 0.12 (3/31/2020) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(29 - 2) | 0.000740741 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(35 - 2) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(36 - 2) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (5/8/2013) | (0.144 - 0.1)/(38 - 2) | 0.00122222 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (5/8/2013) | (0.0469 - 0.1)/(42 - 2) | -0.0013275 |
| 0.0662 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.0662 - 0.1)/(43 - 2) | -0.00082439 |
| 0.0448 (12/12/2023) | ND<0.1 U (5/8/2013) | (0.0448 - 0.1)/(44 - 2) | -0.00131429 |
| 0.0428 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.0428 - 0.1)/(45 - 2) | -0.00133023 |
| 0.0687 (5/20/2024) | ND<0.1 U (5/8/2013) | (0.0687 - 0.1)/(46 - 2) | -0.000711364 |
| 0.106 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.106 - 0.1)/(47 - 2) | 0.000133333 |
| 0.083 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.083 - 0.1)/(48 - 2) | -0.000369565 |
| 0.12 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(49 - 2) | 0.000425532 |
| | | | |
| ND<0.1 U (12/10/2013) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

| | | | |
|---|---|---|---|
| 0.13 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(12 - 3) | 0.00333333 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(17 - 3) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(19 - 3) | 0.001875 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(28 - 3) | 0.004 |
| 0.12 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(29 - 3) | 0.000769231 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.144 - 0.1)/(38 - 3) | 0.00125714 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.0469 - 0.1)/(42 - 3) | -0.00136154 |
| 0.0662 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.0662 - 0.1)/(43 - 3) | -0.000845 |
| 0.0448 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.0448 - 0.1)/(44 - 3) | -0.00134634 |
| 0.0428 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.0428 - 0.1)/(45 - 3) | -0.0013619 |
| 0.0687 (5/20/2024) | ND<0.1 U (9/23/2013) | (0.0687 - 0.1)/(46 - 3) | -0.000727907 |
| 0.106 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.106 - 0.1)/(47 - 3) | 0.000136364 |
| 0.083 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.083 - 0.1)/(48 - 3) | -0.000377778 |
| 0.12 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(49 - 3) | 0.000434783 |
| | | | |
| ND<0.1 U (2/6/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(5 - 4) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(7 - 4) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(8 - 4) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(9 - 4) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(10 - 4) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(11 - 4) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (12/10/2013) | (0.13 - 0.1)/(12 - 4) | 0.00375 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(13 - 4) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(14 - 4) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(15 - 4) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(16 - 4) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(17 - 4) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(18 - 4) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (12/10/2013) | (0.13 - 0.1)/(19 - 4) | 0.002 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(20 - 4) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(21 - 4) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(22 - 4) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/1/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(23 - 4) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(24 - 4) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(25 - 4) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(26 - 4) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(27 - 4) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (12/10/2013) | (0.2 - 0.1)/(28 - 4) | 0.00416667 |
| 0.12 (3/31/2020) | ND<0.1 U (12/10/2013) | (0.12 - 0.1)/(29 - 4) | 0.0008 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(30 - 4) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(31 - 4) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(32 - 4) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(33 - 4) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(34 - 4) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(35 - 4) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(36 - 4) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(37 - 4) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (12/10/2013) | (0.144 - 0.1)/(38 - 4) | 0.00129412 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(39 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(40 - 4) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(41 - 4) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (12/10/2013) | (0.0469 - 0.1)/(42 - 4) | -0.00139737 |
| 0.0662 (8/7/2023) | ND<0.1 U (12/10/2013) | (0.0662 - 0.1)/(43 - 4) | -0.000866667 |
| 0.0448 (12/12/2023) | ND<0.1 U (12/10/2013) | (0.0448 - 0.1)/(44 - 4) | -0.00138 |
| 0.0428 (1/10/2024) | ND<0.1 U (12/10/2013) | (0.0428 - 0.1)/(45 - 4) | -0.00139512 |
| 0.0687 (5/20/2024) | ND<0.1 U (12/10/2013) | (0.0687 - 0.1)/(46 - 4) | -0.000745238 |
| 0.106 (9/16/2024) | ND<0.1 U (12/10/2013) | (0.106 - 0.1)/(47 - 4) | 0.000139535 |
| 0.083 (12/11/2024) | ND<0.1 U (12/10/2013) | (0.083 - 0.1)/(48 - 4) | -0.000386364 |
| 0.12 (2/18/2025) | ND<0.1 U (12/10/2013) | (0.12 - 0.1)/(49 - 4) | 0.000444444 |
| | | | |
| ND<0.1 U (6/26/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(11 - 5) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(12 - 5) | 0.00428571 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(16 - 5) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(17 - 5) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(18 - 5) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(19 - 5) | 0.00214286 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(21 - 5) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(22 - 5) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(23 - 5) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(24 - 5) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(27 - 5) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (2/6/2014) | (0.2 - 0.1)/(28 - 5) | 0.00434783 |
| 0.12 (3/31/2020) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(29 - 5) | 0.000833333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(34 - 5) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(35 - 5) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(36 - 5) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(37 - 5) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (2/6/2014) | (0.144 - 0.1)/(38 - 5) | 0.00133333 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(39 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (2/6/2014) | (0.0469 - 0.1)/(42 - 5) | -0.00143514 |
| 0.0662 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.0662 - 0.1)/(43 - 5) | -0.000889474 |
| 0.0448 (12/12/2023) | ND<0.1 U (2/6/2014) | (0.0448 - 0.1)/(44 - 5) | -0.00141538 |
| 0.0428 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.0428 - 0.1)/(45 - 5) | -0.00143 |
| 0.0687 (5/20/2024) | ND<0.1 U (2/6/2014) | (0.0687 - 0.1)/(46 - 5) | -0.000763415 |
| 0.106 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.106 - 0.1)/(47 - 5) | 0.000142857 |
| 0.083 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.083 - 0.1)/(48 - 5) | -0.000395349 |
| 0.12 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(49 - 5) | 0.000454545 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(12 - 6) | 0.005 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(13 - 6) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(16 - 6) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(17 - 6) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(19 - 6) | 0.00230769 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(21 - 6) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(24 - 6) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(27 - 6) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (6/26/2014) | (0.2 - 0.1)/(28 - 6) | 0.00454545 |
| 0.12 (3/31/2020) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(29 - 6) | 0.000869565 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(33 - 6) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(37 - 6) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.144 - 0.1)/(38 - 6) | 0.001375 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(41 - 6) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (6/26/2014) | (0.0469 - 0.1)/(42 - 6) | -0.001475 |
| 0.0662 (8/7/2023) | ND<0.1 U (6/26/2014) | (0.0662 - 0.1)/(43 - 6) | -0.000913514 |
| 0.0448 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.0448 - 0.1)/(44 - 6) | -0.00145263 |
| 0.0428 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.0428 - 0.1)/(45 - 6) | -0.00146667 |
| 0.0687 (5/20/2024) | ND<0.1 U (6/26/2014) | (0.0687 - 0.1)/(46 - 6) | -0.0007825 |
| 0.106 (9/16/2024) | ND<0.1 U (6/26/2014) | (0.106 - 0.1)/(47 - 6) | 0.000146341 |

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|---|---|---|---|
| 0.083 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.083 - 0.1)/(48 - 6) | -0.000404762 |
| 0.12 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(49 - 6) | 0.000465116 |
| | | | |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(12 - 7) | 0.006 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(17 - 7) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(19 - 7) | 0.0025 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 7) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(28 - 7) | 0.0047619 |
| 0.12 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(29 - 7) | 0.000909091 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 7) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (9/30/2014) | (0.144 - 0.1)/(38 - 7) | 0.00141935 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.0469 - 0.1)/(42 - 7) | -0.00151714 |
| 0.0662 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.0662 - 0.1)/(43 - 7) | -0.000938889 |
| 0.0448 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.0448 - 0.1)/(44 - 7) | -0.00149189 |
| 0.0428 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.0428 - 0.1)/(45 - 7) | -0.00150526 |
| 0.0687 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.0687 - 0.1)/(46 - 7) | -0.000802564 |
| 0.106 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.106 - 0.1)/(47 - 7) | 0.00015 |
| 0.083 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.083 - 0.1)/(48 - 7) | -0.000414634 |
| 0.12 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(49 - 7) | 0.00047619 |
| | | | |
| ND<0.1 U (3/23/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(10 - 8) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(11 - 8) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (11/19/2014) | (0.13 - 0.1)/(12 - 8) | 0.0075 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(13 - 8) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(16 - 8) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(17 - 8) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(18 - 8) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (11/19/2014) | (0.13 - 0.1)/(19 - 8) | 0.00272727 |

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|---|---|---|---|
| ND<0.1 U (10/26/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(20 - 8) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(21 - 8) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(22 - 8) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(23 - 8) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(24 - 8) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(25 - 8) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(26 - 8) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(27 - 8) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (11/19/2014) | (0.2 - 0.1)/(28 - 8) | 0.005 |
| 0.12 (3/31/2020) | ND<0.1 U (11/19/2014) | (0.12 - 0.1)/(29 - 8) | 0.000952381 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(30 - 8) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(31 - 8) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(32 - 8) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(33 - 8) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(34 - 8) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(35 - 8) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(36 - 8) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(37 - 8) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (11/19/2014) | (0.144 - 0.1)/(38 - 8) | 0.00146667 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(39 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(40 - 8) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(41 - 8) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (11/19/2014) | (0.0469 - 0.1)/(42 - 8) | -0.00156176 |
| 0.0662 (8/7/2023) | ND<0.1 U (11/19/2014) | (0.0662 - 0.1)/(43 - 8) | -0.000965714 |
| 0.0448 (12/12/2023) | ND<0.1 U (11/19/2014) | (0.0448 - 0.1)/(44 - 8) | -0.00153333 |
| 0.0428 (1/10/2024) | ND<0.1 U (11/19/2014) | (0.0428 - 0.1)/(45 - 8) | -0.00154595 |
| 0.0687 (5/20/2024) | ND<0.1 U (11/19/2014) | (0.0687 - 0.1)/(46 - 8) | -0.000823684 |
| 0.106 (9/16/2024) | ND<0.1 U (11/19/2014) | (0.106 - 0.1)/(47 - 8) | 0.000153846 |
| 0.083 (12/11/2024) | ND<0.1 U (11/19/2014) | (0.083 - 0.1)/(48 - 8) | -0.000425 |
| 0.12 (2/18/2025) | ND<0.1 U (11/19/2014) | (0.12 - 0.1)/(49 - 8) | 0.000487805 |
| | | | |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (3/23/2015) | (0.13 - 0.1)/(12 - 9) | 0.01 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(16 - 9) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(17 - 9) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (3/23/2015) | (0.13 - 0.1)/(19 - 9) | 0.003 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(20 - 9) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(23 - 9) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(24 - 9) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(27 - 9) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (3/23/2015) | (0.2 - 0.1)/(28 - 9) | 0.00526316 |
| 0.12 (3/31/2020) | ND<0.1 U (3/23/2015) | (0.12 - 0.1)/(29 - 9) | 0.001 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(35 - 9) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(36 - 9) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (3/23/2015) | (0.144 - 0.1)/(38 - 9) | 0.00151724 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (3/23/2015) | (0.0469 - 0.1)/(42 - 9) | -0.00160909 |
| 0.0662 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.0662 - 0.1)/(43 - 9) | -0.000994118 |
| 0.0448 (12/12/2023) | ND<0.1 U (3/23/2015) | (0.0448 - 0.1)/(44 - 9) | -0.00157714 |
| 0.0428 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.0428 - 0.1)/(45 - 9) | -0.00158889 |
| 0.0687 (5/20/2024) | ND<0.1 U (3/23/2015) | (0.0687 - 0.1)/(46 - 9) | -0.000845946 |
| 0.106 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.106 - 0.1)/(47 - 9) | 0.000157895 |
| 0.083 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.083 - 0.1)/(48 - 9) | -0.000435897 |
| 0.12 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.12 - 0.1)/(49 - 9) | 0.0005 |
| | | | |
| ND<0.1 U (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| 0.13 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(12 - 10) | 0.015 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(16 - 10) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(17 - 10) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(19 - 10) | 0.00333333 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(23 - 10) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(24 - 10) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(27 - 10) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (4/22/2015) | (0.2 - 0.1)/(28 - 10) | 0.00555556 |
| 0.12 (3/31/2020) | ND<0.1 U (4/22/2015) | (0.12 - 0.1)/(29 - 10) | 0.00105263 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(35 - 10) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(36 - 10) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (4/22/2015) | (0.144 - 0.1)/(38 - 10) | 0.00157143 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (4/22/2015) | (0.0469 - 0.1)/(42 - 10) | -0.00165938 |
| 0.0662 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.0662 - 0.1)/(43 - 10) | -0.00102424 |
| 0.0448 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.0448 - 0.1)/(44 - 10) | -0.00162353 |
| 0.0428 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.0428 - 0.1)/(45 - 10) | -0.00163429 |
| 0.0687 (5/20/2024) | ND<0.1 U (4/22/2015) | (0.0687 - 0.1)/(46 - 10) | -0.000869444 |
| 0.106 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.106 - 0.1)/(47 - 10) | 0.000162162 |
| 0.083 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.083 - 0.1)/(48 - 10) | -0.000447368 |
| 0.12 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.12 - 0.1)/(49 - 10) | 0.000512821 |
| | | | |
| 0.13 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.13 - 0.1)/(12 - 11) | 0.03 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(13 - 11) | 0 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(17 - 11) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (9/30/2015) | (0.13 - 0.1)/(19 - 11) | 0.00375 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(21 - 11) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(24 - 11) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(28 - 11) | 0.00588235 |
| 0.12 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(29 - 11) | 0.00111111 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(34 - 11) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(37 - 11) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (9/30/2015) | (0.144 - 0.1)/(38 - 11) | 0.00162963 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.0469 - 0.1)/(42 - 11) | -0.0017129 |
| 0.0662 (8/7/2023) | ND<0.1 U (9/30/2015) | (0.0662 - 0.1)/(43 - 11) | -0.00105625 |
| 0.0448 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.0448 - 0.1)/(44 - 11) | -0.00167273 |
| 0.0428 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.0428 - 0.1)/(45 - 11) | -0.00168235 |
| 0.0687 (5/20/2024) | ND<0.1 U (9/30/2015) | (0.0687 - 0.1)/(46 - 11) | -0.000894286 |
| 0.106 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.106 - 0.1)/(47 - 11) | 0.000166667 |
| 0.083 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.083 - 0.1)/(48 - 11) | -0.000459459 |
| 0.12 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(49 - 11) | 0.000526316 |

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|---|---|---|---|
| ND<0.1 U (3/15/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(13 - 12) | -0.03 |
| ND<0.1 U (6/29/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(14 - 12) | -0.015 |
| ND<0.1 U (8/9/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(15 - 12) | -0.01 |
| ND<0.1 U (12/7/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(16 - 12) | -0.0075 |
| ND<0.1 U (3/2/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(17 - 12) | -0.006 |
| ND<0.1 U (6/21/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(18 - 12) | -0.005 |
| 0.13 (8/17/2017) | 0.13 (11/19/2015) | (0.13 - 0.13)/(19 - 12) | 0 |
| ND<0.1 U (10/26/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(20 - 12) | -0.00375 |
| ND<0.1 U (3/27/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(21 - 12) | -0.00333333 |
| ND<0.1 U (6/26/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(22 - 12) | -0.003 |
| ND<0.1 U (8/1/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(23 - 12) | -0.00272727 |
| ND<0.1 U (12/11/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(24 - 12) | -0.0025 |
| ND<0.1 U (4/17/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(25 - 12) | -0.00230769 |
| ND<0.1 U (6/11/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(26 - 12) | -0.00214286 |
| ND<0.1 U (8/28/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(27 - 12) | -0.002 |
| 0.2 (10/28/2019) | 0.13 (11/19/2015) | (0.2 - 0.13)/(28 - 12) | 0.004375 |
| 0.12 (3/31/2020) | 0.13 (11/19/2015) | (0.12 - 0.13)/(29 - 12) | -0.000588235 |
| ND<0.1 U (6/10/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(30 - 12) | -0.00166667 |
| ND<0.1 U (9/21/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(31 - 12) | -0.00157895 |
| ND<0.1 U (12/17/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(32 - 12) | -0.0015 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.13 (11/19/2015) | (0.1 - 0.13)/(33 - 12) | -0.00142857 |
| ND<0.1 U (5/5/2021) | 0.13 (11/19/2015) | (0.1 - 0.13)/(34 - 12) | -0.00136364 |
| ND<0.1 U (9/2/2021) | 0.13 (11/19/2015) | (0.1 - 0.13)/(35 - 12) | -0.00130435 |
| ND<0.1 U (11/23/2021) | 0.13 (11/19/2015) | (0.1 - 0.13)/(36 - 12) | -0.00125 |
| ND<0.1 U (1/10/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(37 - 12) | -0.0012 |
| 0.144 (4/7/2022) | 0.13 (11/19/2015) | (0.144 - 0.13)/(38 - 12) | 0.000538462 |
| ND<0.1 U (8/3/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(39 - 12) | -0.00111111 |
| ND<0.1 U (11/16/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(40 - 12) | -0.00107143 |
| ND<0.1 U (2/13/2023) | 0.13 (11/19/2015) | (0.1 - 0.13)/(41 - 12) | -0.00103448 |
| 0.0469 (5/24/2023) | 0.13 (11/19/2015) | (0.0469 - 0.13)/(42 - 12) | -0.00277 |
| 0.0662 (8/7/2023) | 0.13 (11/19/2015) | (0.0662 - 0.13)/(43 - 12) | -0.00205806 |
| 0.0448 (12/12/2023) | 0.13 (11/19/2015) | (0.0448 - 0.13)/(44 - 12) | -0.0026625 |
| 0.0428 (1/10/2024) | 0.13 (11/19/2015) | (0.0428 - 0.13)/(45 - 12) | -0.00264242 |
| 0.0687 (5/20/2024) | 0.13 (11/19/2015) | (0.0687 - 0.13)/(46 - 12) | -0.00180294 |
| 0.106 (9/16/2024) | 0.13 (11/19/2015) | (0.106 - 0.13)/(47 - 12) | -0.000685714 |
| 0.083 (12/11/2024) | 0.13 (11/19/2015) | (0.083 - 0.13)/(48 - 12) | -0.00130556 |
| 0.12 (2/18/2025) | 0.13 (11/19/2015) | (0.12 - 0.13)/(49 - 12) | -0.00027027 |
| | | | |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(14 - 13) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(15 - 13) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(16 - 13) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(17 - 13) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(18 - 13) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (3/15/2016) | (0.13 - 0.1)/(19 - 13) | 0.005 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(20 - 13) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(21 - 13) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(22 - 13) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(23 - 13) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(24 - 13) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(27 - 13) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (3/15/2016) | (0.2 - 0.1)/(28 - 13) | 0.00666667 |
| 0.12 (3/31/2020) | ND<0.1 U (3/15/2016) | (0.12 - 0.1)/(29 - 13) | 0.00125 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(30 - 13) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(34 - 13) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(35 - 13) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(36 - 13) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(37 - 13) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (3/15/2016) | (0.144 - 0.1)/(38 - 13) | 0.00176 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(39 - 13) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (3/15/2016) | (0.0469 - 0.1)/(42 - 13) | -0.00183103 |
| 0.0662 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.0662 - 0.1)/(43 - 13) | -0.00112667 |
| 0.0448 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.0448 - 0.1)/(44 - 13) | -0.00178065 |
| 0.0428 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.0428 - 0.1)/(45 - 13) | -0.0017875 |
| 0.0687 (5/20/2024) | ND<0.1 U (3/15/2016) | (0.0687 - 0.1)/(46 - 13) | -0.000948485 |
| 0.106 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.106 - 0.1)/(47 - 13) | 0.000176471 |
| 0.083 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.083 - 0.1)/(48 - 13) | -0.000485714 |
| 0.12 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.12 - 0.1)/(49 - 13) | 0.000555556 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(17 - 14) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (6/29/2016) | (0.13 - 0.1)/(19 - 14) | 0.006 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(28 - 14) | 0.00714286 |
| 0.12 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(29 - 14) | 0.00133333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (6/29/2016) | (0.144 - 0.1)/(38 - 14) | 0.00183333 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.0469 - 0.1)/(42 - 14) | -0.00189643 |
| 0.0662 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.0662 - 0.1)/(43 - 14) | -0.00116552 |
| 0.0448 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.0448 - 0.1)/(44 - 14) | -0.00184 |
| 0.0428 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.0428 - 0.1)/(45 - 14) | -0.00184516 |
| 0.0687 (5/20/2024) | ND<0.1 U (6/29/2016) | (0.0687 - 0.1)/(46 - 14) | -0.000978125 |
| 0.106 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.106 - 0.1)/(47 - 14) | 0.000181818 |
| 0.083 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.083 - 0.1)/(48 - 14) | -0.0005 |
| 0.12 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(49 - 14) | 0.000571429 |

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|---|---|---|---|
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(17 - 15) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (8/9/2016) | (0.13 - 0.1)/(19 - 15) | 0.0075 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (8/9/2016) | (0.2 - 0.1)/(28 - 15) | 0.00769231 |
| 0.12 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(29 - 15) | 0.00142857 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (8/9/2016) | (0.144 - 0.1)/(38 - 15) | 0.00191304 |

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|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (8/9/2016) | (0.0469 - 0.1)/(42 - 15) | -0.00196667 |
| 0.0662 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.0662 - 0.1)/(43 - 15) | -0.00120714 |
| 0.0448 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.0448 - 0.1)/(44 - 15) | -0.00190345 |
| 0.0428 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.0428 - 0.1)/(45 - 15) | -0.00190667 |
| 0.0687 (5/20/2024) | ND<0.1 U (8/9/2016) | (0.0687 - 0.1)/(46 - 15) | -0.00100968 |
| 0.106 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.106 - 0.1)/(47 - 15) | 0.0001875 |
| 0.083 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.083 - 0.1)/(48 - 15) | -0.000515152 |
| 0.12 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(49 - 15) | 0.000588235 |
| | | | |
| ND<0.1 U (3/2/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(17 - 16) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(18 - 16) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (12/7/2016) | (0.13 - 0.1)/(19 - 16) | 0.01 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(20 - 16) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(21 - 16) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(22 - 16) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(23 - 16) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(24 - 16) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(25 - 16) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(26 - 16) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(27 - 16) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (12/7/2016) | (0.2 - 0.1)/(28 - 16) | 0.00833333 |
| 0.12 (3/31/2020) | ND<0.1 U (12/7/2016) | (0.12 - 0.1)/(29 - 16) | 0.00153846 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(31 - 16) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(32 - 16) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(33 - 16) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(34 - 16) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(35 - 16) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(36 - 16) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(37 - 16) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (12/7/2016) | (0.144 - 0.1)/(38 - 16) | 0.002 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(41 - 16) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (12/7/2016) | (0.0469 - 0.1)/(42 - 16) | -0.00204231 |
| 0.0662 (8/7/2023) | ND<0.1 U (12/7/2016) | (0.0662 - 0.1)/(43 - 16) | -0.00125185 |
| 0.0448 (12/12/2023) | ND<0.1 U (12/7/2016) | (0.0448 - 0.1)/(44 - 16) | -0.00197143 |
| 0.0428 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.0428 - 0.1)/(45 - 16) | -0.00197241 |
| 0.0687 (5/20/2024) | ND<0.1 U (12/7/2016) | (0.0687 - 0.1)/(46 - 16) | -0.00104333 |
| 0.106 (9/16/2024) | ND<0.1 U (12/7/2016) | (0.106 - 0.1)/(47 - 16) | 0.000193548 |
| 0.083 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.083 - 0.1)/(48 - 16) | -0.00053125 |
| 0.12 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.12 - 0.1)/(49 - 16) | 0.000606061 |
| | | | |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(18 - 17) | 0 |
| 0.13 (8/17/2017) | ND<0.1 U (3/2/2017) | (0.13 - 0.1)/(19 - 17) | 0.015 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(20 - 17) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(21 - 17) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(22 - 17) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(23 - 17) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(24 - 17) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(25 - 17) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(26 - 17) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(27 - 17) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (3/2/2017) | (0.2 - 0.1)/(28 - 17) | 0.00909091 |

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|---|---|---|---|
| 0.12 (3/31/2020) | ND<0.1 U (3/2/2017) | (0.12 - 0.1)/(29 - 17) | 0.00166667 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(30 - 17) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(31 - 17) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(32 - 17) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(33 - 17) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(34 - 17) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(35 - 17) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(36 - 17) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(37 - 17) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (3/2/2017) | (0.144 - 0.1)/(38 - 17) | 0.00209524 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(39 - 17) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(40 - 17) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(41 - 17) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (3/2/2017) | (0.0469 - 0.1)/(42 - 17) | -0.002124 |
| 0.0662 (8/7/2023) | ND<0.1 U (3/2/2017) | (0.0662 - 0.1)/(43 - 17) | -0.0013 |
| 0.0448 (12/12/2023) | ND<0.1 U (3/2/2017) | (0.0448 - 0.1)/(44 - 17) | -0.00204444 |
| 0.0428 (1/10/2024) | ND<0.1 U (3/2/2017) | (0.0428 - 0.1)/(45 - 17) | -0.00204286 |
| 0.0687 (5/20/2024) | ND<0.1 U (3/2/2017) | (0.0687 - 0.1)/(46 - 17) | -0.00107931 |
| 0.106 (9/16/2024) | ND<0.1 U (3/2/2017) | (0.106 - 0.1)/(47 - 17) | 0.0002 |
| 0.083 (12/11/2024) | ND<0.1 U (3/2/2017) | (0.083 - 0.1)/(48 - 17) | -0.000548387 |
| 0.12 (2/18/2025) | ND<0.1 U (3/2/2017) | (0.12 - 0.1)/(49 - 17) | 0.000625 |
| | | | |
| 0.13 (8/17/2017) | ND<0.1 U (6/21/2017) | (0.13 - 0.1)/(19 - 18) | 0.03 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(24 - 18) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (6/21/2017) | (0.2 - 0.1)/(28 - 18) | 0.01 |
| 0.12 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.12 - 0.1)/(29 - 18) | 0.00181818 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (6/21/2017) | (0.144 - 0.1)/(38 - 18) | 0.0022 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (6/21/2017) | (0.0469 - 0.1)/(42 - 18) | -0.0022125 |
| 0.0662 (8/7/2023) | ND<0.1 U (6/21/2017) | (0.0662 - 0.1)/(43 - 18) | -0.001352 |
| 0.0448 (12/12/2023) | ND<0.1 U (6/21/2017) | (0.0448 - 0.1)/(44 - 18) | -0.00212308 |
| 0.0428 (1/10/2024) | ND<0.1 U (6/21/2017) | (0.0428 - 0.1)/(45 - 18) | -0.00211852 |
| 0.0687 (5/20/2024) | ND<0.1 U (6/21/2017) | (0.0687 - 0.1)/(46 - 18) | -0.00111786 |
| 0.106 (9/16/2024) | ND<0.1 U (6/21/2017) | (0.106 - 0.1)/(47 - 18) | 0.000206897 |
| 0.083 (12/11/2024) | ND<0.1 U (6/21/2017) | (0.083 - 0.1)/(48 - 18) | -0.000566667 |
| 0.12 (2/18/2025) | ND<0.1 U (6/21/2017) | (0.12 - 0.1)/(49 - 18) | 0.000645161 |
| | | | |
| ND<0.1 U (10/26/2017) | 0.13 (8/17/2017) | (0.1 - 0.13)/(20 - 19) | -0.03 |
| ND<0.1 U (3/27/2018) | 0.13 (8/17/2017) | (0.1 - 0.13)/(21 - 19) | -0.015 |
| ND<0.1 U (6/26/2018) | 0.13 (8/17/2017) | (0.1 - 0.13)/(22 - 19) | -0.01 |

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|---|---|---|---|
| ND<0.1 U (8/1/2018) | 0.13 (8/17/2017) | (0.1 - 0.13)/(23 - 19) | -0.0075 |
| ND<0.1 U (12/11/2018) | 0.13 (8/17/2017) | (0.1 - 0.13)/(24 - 19) | -0.006 |
| ND<0.1 U (4/17/2019) | 0.13 (8/17/2017) | (0.1 - 0.13)/(25 - 19) | -0.005 |
| ND<0.1 U (6/11/2019) | 0.13 (8/17/2017) | (0.1 - 0.13)/(26 - 19) | -0.00428571 |
| ND<0.1 U (8/28/2019) | 0.13 (8/17/2017) | (0.1 - 0.13)/(27 - 19) | -0.00375 |
| 0.2 (10/28/2019) | 0.13 (8/17/2017) | (0.2 - 0.13)/(28 - 19) | 0.00777778 |
| 0.12 (3/31/2020) | 0.13 (8/17/2017) | (0.12 - 0.13)/(29 - 19) | -0.001 |
| ND<0.1 U (6/10/2020) | 0.13 (8/17/2017) | (0.1 - 0.13)/(30 - 19) | -0.00272727 |
| ND<0.1 U (9/21/2020) | 0.13 (8/17/2017) | (0.1 - 0.13)/(31 - 19) | -0.0025 |
| ND<0.1 U (12/17/2020) | 0.13 (8/17/2017) | (0.1 - 0.13)/(32 - 19) | -0.00230769 |
| ND<0.1 U (3/18/2021) | 0.13 (8/17/2017) | (0.1 - 0.13)/(33 - 19) | -0.00214286 |
| ND<0.1 U (5/5/2021) | 0.13 (8/17/2017) | (0.1 - 0.13)/(34 - 19) | -0.002 |
| ND<0.1 U (9/2/2021) | 0.13 (8/17/2017) | (0.1 - 0.13)/(35 - 19) | -0.001875 |
| ND<0.1 U (11/23/2021) | 0.13 (8/17/2017) | (0.1 - 0.13)/(36 - 19) | -0.00176471 |
| ND<0.1 U (1/10/2022) | 0.13 (8/17/2017) | (0.1 - 0.13)/(37 - 19) | -0.00166667 |
| 0.144 (4/7/2022) | 0.13 (8/17/2017) | (0.144 - 0.13)/(38 - 19) | 0.000736842 |
| ND<0.1 U (8/3/2022) | 0.13 (8/17/2017) | (0.1 - 0.13)/(39 - 19) | -0.0015 |
| ND<0.1 U (11/16/2022) | 0.13 (8/17/2017) | (0.1 - 0.13)/(40 - 19) | -0.00142857 |
| ND<0.1 U (2/13/2023) | 0.13 (8/17/2017) | (0.1 - 0.13)/(41 - 19) | -0.00136364 |
| 0.0469 (5/24/2023) | 0.13 (8/17/2017) | (0.0469 - 0.13)/(42 - 19) | -0.00361304 |
| 0.0662 (8/7/2023) | 0.13 (8/17/2017) | (0.0662 - 0.13)/(43 - 19) | -0.00265833 |
| 0.0448 (12/12/2023) | 0.13 (8/17/2017) | (0.0448 - 0.13)/(44 - 19) | -0.003408 |
| 0.0428 (1/10/2024) | 0.13 (8/17/2017) | (0.0428 - 0.13)/(45 - 19) | -0.00335385 |
| 0.0687 (5/20/2024) | 0.13 (8/17/2017) | (0.0687 - 0.13)/(46 - 19) | -0.00227037 |
| 0.106 (9/16/2024) | 0.13 (8/17/2017) | (0.106 - 0.13)/(47 - 19) | -0.000857143 |
| 0.083 (12/11/2024) | 0.13 (8/17/2017) | (0.083 - 0.13)/(48 - 19) | -0.00162069 |
| 0.12 (2/18/2025) | 0.13 (8/17/2017) | (0.12 - 0.13)/(49 - 19) | -0.000333333 |

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|---|---|---|---|
| ND<0.1 U (3/27/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(21 - 20) | 0 |
| ND<0.1 U (6/26/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(24 - 20) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (10/26/2017) | (0.2 - 0.1)/(28 - 20) | 0.0125 |
| 0.12 (3/31/2020) | ND<0.1 U (10/26/2017) | (0.12 - 0.1)/(29 - 20) | 0.00222222 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(33 - 20) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(34 - 20) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(36 - 20) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(37 - 20) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (10/26/2017) | (0.144 - 0.1)/(38 - 20) | 0.00244444 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (10/26/2017) | (0.0469 - 0.1)/(42 - 20) | -0.00241364 |
| 0.0662 (8/7/2023) | ND<0.1 U (10/26/2017) | (0.0662 - 0.1)/(43 - 20) | -0.00146957 |
| 0.0448 (12/12/2023) | ND<0.1 U (10/26/2017) | (0.0448 - 0.1)/(44 - 20) | -0.0023 |
| 0.0428 (1/10/2024) | ND<0.1 U (10/26/2017) | (0.0428 - 0.1)/(45 - 20) | -0.002288 |
| 0.0687 (5/20/2024) | ND<0.1 U (10/26/2017) | (0.0687 - 0.1)/(46 - 20) | -0.00120385 |
| 0.106 (9/16/2024) | ND<0.1 U (10/26/2017) | (0.106 - 0.1)/(47 - 20) | 0.000222222 |
| 0.083 (12/11/2024) | ND<0.1 U (10/26/2017) | (0.083 - 0.1)/(48 - 20) | -0.000607143 |
| 0.12 (2/18/2025) | ND<0.1 U (10/26/2017) | (0.12 - 0.1)/(49 - 20) | 0.000689655 |

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|---|---|---|---|
| ND<0.1 U (6/26/2018) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(22 - 21) | 0 |
| ND<0.1 U (8/1/2018) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(23 - 21) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(24 - 21) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(27 - 21) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (3/27/2018) | (0.2 - 0.1)/(28 - 21) | 0.0142857 |
| 0.12 (3/31/2020) | ND<0.1 U (3/27/2018) | (0.12 - 0.1)/(29 - 21) | 0.0025 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(31 - 21) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(35 - 21) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(36 - 21) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (3/27/2018) | (0.144 - 0.1)/(38 - 21) | 0.00258824 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(39 - 21) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (3/27/2018) | (0.0469 - 0.1)/(42 - 21) | -0.00252857 |
| 0.0662 (8/7/2023) | ND<0.1 U (3/27/2018) | (0.0662 - 0.1)/(43 - 21) | -0.00153636 |
| 0.0448 (12/12/2023) | ND<0.1 U (3/27/2018) | (0.0448 - 0.1)/(44 - 21) | -0.0024 |
| 0.0428 (1/10/2024) | ND<0.1 U (3/27/2018) | (0.0428 - 0.1)/(45 - 21) | -0.00238333 |
| 0.0687 (5/20/2024) | ND<0.1 U (3/27/2018) | (0.0687 - 0.1)/(46 - 21) | -0.001252 |
| 0.106 (9/16/2024) | ND<0.1 U (3/27/2018) | (0.106 - 0.1)/(47 - 21) | 0.000230769 |
| 0.083 (12/11/2024) | ND<0.1 U (3/27/2018) | (0.083 - 0.1)/(48 - 21) | -0.00062963 |
| 0.12 (2/18/2025) | ND<0.1 U (3/27/2018) | (0.12 - 0.1)/(49 - 21) | 0.000714286 |
| | | | |
| ND<0.1 U (8/1/2018) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(24 - 22) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(27 - 22) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (6/26/2018) | (0.2 - 0.1)/(28 - 22) | 0.0166667 |
| 0.12 (3/31/2020) | ND<0.1 U (6/26/2018) | (0.12 - 0.1)/(29 - 22) | 0.00285714 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(37 - 22) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (6/26/2018) | (0.144 - 0.1)/(38 - 22) | 0.00275 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/26/2018) | (0.1 - 0.1)/(41 - 22) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (6/26/2018) | (0.0469 - 0.1)/(42 - 22) | -0.002655 |
| 0.0662 (8/7/2023) | ND<0.1 U (6/26/2018) | (0.0662 - 0.1)/(43 - 22) | -0.00160952 |
| 0.0448 (12/12/2023) | ND<0.1 U (6/26/2018) | (0.0448 - 0.1)/(44 - 22) | -0.00250909 |
| 0.0428 (1/10/2024) | ND<0.1 U (6/26/2018) | (0.0428 - 0.1)/(45 - 22) | -0.00248696 |
| 0.0687 (5/20/2024) | ND<0.1 U (6/26/2018) | (0.0687 - 0.1)/(46 - 22) | -0.00130417 |
| 0.106 (9/16/2024) | ND<0.1 U (6/26/2018) | (0.106 - 0.1)/(47 - 22) | 0.00024 |
| 0.083 (12/11/2024) | ND<0.1 U (6/26/2018) | (0.083 - 0.1)/(48 - 22) | -0.000653846 |
| 0.12 (2/18/2025) | ND<0.1 U (6/26/2018) | (0.12 - 0.1)/(49 - 22) | 0.000740741 |

| | | | |
|---|---|---|---|
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(24 - 23) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(25 - 23) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(27 - 23) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (8/1/2018) | (0.2 - 0.1)/(28 - 23) | 0.02 |
| 0.12 (3/31/2020) | ND<0.1 U (8/1/2018) | (0.12 - 0.1)/(29 - 23) | 0.00333333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(32 - 23) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(33 - 23) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(34 - 23) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(36 - 23) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(37 - 23) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (8/1/2018) | (0.144 - 0.1)/(38 - 23) | 0.00293333 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/1/2018) | (0.1 - 0.1)/(41 - 23) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (8/1/2018) | (0.0469 - 0.1)/(42 - 23) | -0.00279474 |
| 0.0662 (8/7/2023) | ND<0.1 U (8/1/2018) | (0.0662 - 0.1)/(43 - 23) | -0.00169 |
| 0.0448 (12/12/2023) | ND<0.1 U (8/1/2018) | (0.0448 - 0.1)/(44 - 23) | -0.00262857 |
| 0.0428 (1/10/2024) | ND<0.1 U (8/1/2018) | (0.0428 - 0.1)/(45 - 23) | -0.0026 |
| 0.0687 (5/20/2024) | ND<0.1 U (8/1/2018) | (0.0687 - 0.1)/(46 - 23) | -0.00136087 |
| 0.106 (9/16/2024) | ND<0.1 U (8/1/2018) | (0.106 - 0.1)/(47 - 23) | 0.00025 |
| 0.083 (12/11/2024) | ND<0.1 U (8/1/2018) | (0.083 - 0.1)/(48 - 23) | -0.00068 |
| 0.12 (2/18/2025) | ND<0.1 U (8/1/2018) | (0.12 - 0.1)/(49 - 23) | 0.000769231 |
| | | | |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(25 - 24) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(26 - 24) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(27 - 24) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (12/11/2018) | (0.2 - 0.1)/(28 - 24) | 0.025 |
| 0.12 (3/31/2020) | ND<0.1 U (12/11/2018) | (0.12 - 0.1)/(29 - 24) | 0.004 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(30 - 24) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(31 - 24) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(33 - 24) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(34 - 24) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(35 - 24) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(36 - 24) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(37 - 24) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (12/11/2018) | (0.144 - 0.1)/(38 - 24) | 0.00314286 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(41 - 24) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (12/11/2018) | (0.0469 - 0.1)/(42 - 24) | -0.00295 |
| 0.0662 (8/7/2023) | ND<0.1 U (12/11/2018) | (0.0662 - 0.1)/(43 - 24) | -0.00177895 |
| 0.0448 (12/12/2023) | ND<0.1 U (12/11/2018) | (0.0448 - 0.1)/(44 - 24) | -0.00276 |
| 0.0428 (1/10/2024) | ND<0.1 U (12/11/2018) | (0.0428 - 0.1)/(45 - 24) | -0.00272381 |
| 0.0687 (5/20/2024) | ND<0.1 U (12/11/2018) | (0.0687 - 0.1)/(46 - 24) | -0.00142273 |
| 0.106 (9/16/2024) | ND<0.1 U (12/11/2018) | (0.106 - 0.1)/(47 - 24) | 0.00026087 |
| 0.083 (12/11/2024) | ND<0.1 U (12/11/2018) | (0.083 - 0.1)/(48 - 24) | -0.000708333 |
| 0.12 (2/18/2025) | ND<0.1 U (12/11/2018) | (0.12 - 0.1)/(49 - 24) | 0.0008 |
| | | | |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(27 - 25) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (4/17/2019) | (0.2 - 0.1)/(28 - 25) | 0.0333333 |

| | | | |
|---|---|---|---|
| 0.12 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.12 - 0.1)/(29 - 25) | 0.005 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(35 - 25) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(36 - 25) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (4/17/2019) | (0.144 - 0.1)/(38 - 25) | 0.00338462 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (4/17/2019) | (0.0469 - 0.1)/(42 - 25) | -0.00312353 |
| 0.0662 (8/7/2023) | ND<0.1 U (4/17/2019) | (0.0662 - 0.1)/(43 - 25) | -0.00187778 |
| 0.0448 (12/12/2023) | ND<0.1 U (4/17/2019) | (0.0448 - 0.1)/(44 - 25) | -0.00290526 |
| 0.0428 (1/10/2024) | ND<0.1 U (4/17/2019) | (0.0428 - 0.1)/(45 - 25) | -0.00286 |
| 0.0687 (5/20/2024) | ND<0.1 U (4/17/2019) | (0.0687 - 0.1)/(46 - 25) | -0.00149048 |
| 0.106 (9/16/2024) | ND<0.1 U (4/17/2019) | (0.106 - 0.1)/(47 - 25) | 0.000272727 |
| 0.083 (12/11/2024) | ND<0.1 U (4/17/2019) | (0.083 - 0.1)/(48 - 25) | -0.00073913 |
| 0.12 (2/18/2025) | ND<0.1 U (4/17/2019) | (0.12 - 0.1)/(49 - 25) | 0.000833333 |
| | | | |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| 0.2 (10/28/2019) | ND<0.1 U (6/11/2019) | (0.2 - 0.1)/(28 - 26) | 0.05 |
| 0.12 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.12 - 0.1)/(29 - 26) | 0.00666667 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (6/11/2019) | (0.144 - 0.1)/(38 - 26) | 0.00366667 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (6/11/2019) | (0.0469 - 0.1)/(42 - 26) | -0.00331875 |
| 0.0662 (8/7/2023) | ND<0.1 U (6/11/2019) | (0.0662 - 0.1)/(43 - 26) | -0.00198824 |
| 0.0448 (12/12/2023) | ND<0.1 U (6/11/2019) | (0.0448 - 0.1)/(44 - 26) | -0.00306667 |
| 0.0428 (1/10/2024) | ND<0.1 U (6/11/2019) | (0.0428 - 0.1)/(45 - 26) | -0.00301053 |
| 0.0687 (5/20/2024) | ND<0.1 U (6/11/2019) | (0.0687 - 0.1)/(46 - 26) | -0.001565 |
| 0.106 (9/16/2024) | ND<0.1 U (6/11/2019) | (0.106 - 0.1)/(47 - 26) | 0.000285714 |
| 0.083 (12/11/2024) | ND<0.1 U (6/11/2019) | (0.083 - 0.1)/(48 - 26) | -0.000772727 |
| 0.12 (2/18/2025) | ND<0.1 U (6/11/2019) | (0.12 - 0.1)/(49 - 26) | 0.000869565 |
| | | | |
| 0.2 (10/28/2019) | ND<0.1 U (8/28/2019) | (0.2 - 0.1)/(28 - 27) | 0.1 |
| 0.12 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.12 - 0.1)/(29 - 27) | 0.01 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(31 - 27) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(32 - 27) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(33 - 27) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(34 - 27) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(35 - 27) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(36 - 27) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(37 - 27) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (8/28/2019) | (0.144 - 0.1)/(38 - 27) | 0.004 |

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|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(41 - 27) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (8/28/2019) | (0.0469 - 0.1)/(42 - 27) | -0.00354 |
| 0.0662 (8/7/2023) | ND<0.1 U (8/28/2019) | (0.0662 - 0.1)/(43 - 27) | -0.0021125 |
| 0.0448 (12/12/2023) | ND<0.1 U (8/28/2019) | (0.0448 - 0.1)/(44 - 27) | -0.00324706 |
| 0.0428 (1/10/2024) | ND<0.1 U (8/28/2019) | (0.0428 - 0.1)/(45 - 27) | -0.00317778 |
| 0.0687 (5/20/2024) | ND<0.1 U (8/28/2019) | (0.0687 - 0.1)/(46 - 27) | -0.00164737 |
| 0.106 (9/16/2024) | ND<0.1 U (8/28/2019) | (0.106 - 0.1)/(47 - 27) | 0.0003 |
| 0.083 (12/11/2024) | ND<0.1 U (8/28/2019) | (0.083 - 0.1)/(48 - 27) | -0.000809524 |
| 0.12 (2/18/2025) | ND<0.1 U (8/28/2019) | (0.12 - 0.1)/(49 - 27) | 0.000909091 |
| | | | |
| 0.12 (3/31/2020) | 0.2 (10/28/2019) | (0.12 - 0.2)/(29 - 28) | -0.08 |
| ND<0.1 U (6/10/2020) | 0.2 (10/28/2019) | (0.1 - 0.2)/(30 - 28) | -0.05 |
| ND<0.1 U (9/21/2020) | 0.2 (10/28/2019) | (0.1 - 0.2)/(31 - 28) | -0.0333333 |
| ND<0.1 U (12/17/2020) | 0.2 (10/28/2019) | (0.1 - 0.2)/(32 - 28) | -0.025 |
| ND<0.1 U (3/18/2021) | 0.2 (10/28/2019) | (0.1 - 0.2)/(33 - 28) | -0.02 |
| ND<0.1 U (5/5/2021) | 0.2 (10/28/2019) | (0.1 - 0.2)/(34 - 28) | -0.0166667 |
| ND<0.1 U (9/2/2021) | 0.2 (10/28/2019) | (0.1 - 0.2)/(35 - 28) | -0.0142857 |
| ND<0.1 U (11/23/2021) | 0.2 (10/28/2019) | (0.1 - 0.2)/(36 - 28) | -0.0125 |
| ND<0.1 U (1/10/2022) | 0.2 (10/28/2019) | (0.1 - 0.2)/(37 - 28) | -0.0111111 |
| 0.144 (4/7/2022) | 0.2 (10/28/2019) | (0.144 - 0.2)/(38 - 28) | -0.0056 |
| ND<0.1 U (8/3/2022) | 0.2 (10/28/2019) | (0.1 - 0.2)/(39 - 28) | -0.00909091 |
| ND<0.1 U (11/16/2022) | 0.2 (10/28/2019) | (0.1 - 0.2)/(40 - 28) | -0.00833333 |
| ND<0.1 U (2/13/2023) | 0.2 (10/28/2019) | (0.1 - 0.2)/(41 - 28) | -0.00769231 |
| 0.0469 (5/24/2023) | 0.2 (10/28/2019) | (0.0469 - 0.2)/(42 - 28) | -0.0109357 |
| 0.0662 (8/7/2023) | 0.2 (10/28/2019) | (0.0662 - 0.2)/(43 - 28) | -0.00892 |
| 0.0448 (12/12/2023) | 0.2 (10/28/2019) | (0.0448 - 0.2)/(44 - 28) | -0.0097 |
| 0.0428 (1/10/2024) | 0.2 (10/28/2019) | (0.0428 - 0.2)/(45 - 28) | -0.00924706 |
| 0.0687 (5/20/2024) | 0.2 (10/28/2019) | (0.0687 - 0.2)/(46 - 28) | -0.00729444 |
| 0.106 (9/16/2024) | 0.2 (10/28/2019) | (0.106 - 0.2)/(47 - 28) | -0.00494737 |
| 0.083 (12/11/2024) | 0.2 (10/28/2019) | (0.083 - 0.2)/(48 - 28) | -0.00585 |
| 0.12 (2/18/2025) | 0.2 (10/28/2019) | (0.12 - 0.2)/(49 - 28) | -0.00380952 |
| | | | |
| ND<0.1 U (6/10/2020) | 0.12 (3/31/2020) | (0.1 - 0.12)/(30 - 29) | -0.02 |
| ND<0.1 U (9/21/2020) | 0.12 (3/31/2020) | (0.1 - 0.12)/(31 - 29) | -0.01 |
| ND<0.1 U (12/17/2020) | 0.12 (3/31/2020) | (0.1 - 0.12)/(32 - 29) | -0.00666667 |
| ND<0.1 U (3/18/2021) | 0.12 (3/31/2020) | (0.1 - 0.12)/(33 - 29) | -0.005 |
| ND<0.1 U (5/5/2021) | 0.12 (3/31/2020) | (0.1 - 0.12)/(34 - 29) | -0.004 |
| ND<0.1 U (9/2/2021) | 0.12 (3/31/2020) | (0.1 - 0.12)/(35 - 29) | -0.00333333 |
| ND<0.1 U (11/23/2021) | 0.12 (3/31/2020) | (0.1 - 0.12)/(36 - 29) | -0.00285714 |
| ND<0.1 U (1/10/2022) | 0.12 (3/31/2020) | (0.1 - 0.12)/(37 - 29) | -0.0025 |
| 0.144 (4/7/2022) | 0.12 (3/31/2020) | (0.144 - 0.12)/(38 - 29) | 0.00266667 |
| ND<0.1 U (8/3/2022) | 0.12 (3/31/2020) | (0.1 - 0.12)/(39 - 29) | -0.002 |
| ND<0.1 U (11/16/2022) | 0.12 (3/31/2020) | (0.1 - 0.12)/(40 - 29) | -0.00181818 |
| ND<0.1 U (2/13/2023) | 0.12 (3/31/2020) | (0.1 - 0.12)/(41 - 29) | -0.00166667 |
| 0.0469 (5/24/2023) | 0.12 (3/31/2020) | (0.0469 - 0.12)/(42 - 29) | -0.00562308 |
| 0.0662 (8/7/2023) | 0.12 (3/31/2020) | (0.0662 - 0.12)/(43 - 29) | -0.00384286 |
| 0.0448 (12/12/2023) | 0.12 (3/31/2020) | (0.0448 - 0.12)/(44 - 29) | -0.00501333 |
| 0.0428 (1/10/2024) | 0.12 (3/31/2020) | (0.0428 - 0.12)/(45 - 29) | -0.004825 |
| 0.0687 (5/20/2024) | 0.12 (3/31/2020) | (0.0687 - 0.12)/(46 - 29) | -0.00301765 |
| 0.106 (9/16/2024) | 0.12 (3/31/2020) | (0.106 - 0.12)/(47 - 29) | -0.000777778 |
| 0.083 (12/11/2024) | 0.12 (3/31/2020) | (0.083 - 0.12)/(48 - 29) | -0.00194737 |
| 0.12 (2/18/2025) | 0.12 (3/31/2020) | (0.12 - 0.12)/(49 - 29) | 0 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(34 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (6/10/2020) | (0.144 - 0.1)/(38 - 30) | 0.0055 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.0469 - 0.1)/(42 - 30) | -0.004425 |
| 0.0662 (8/7/2023) | ND<0.1 U (6/10/2020) | (0.0662 - 0.1)/(43 - 30) | -0.0026 |
| 0.0448 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.0448 - 0.1)/(44 - 30) | -0.00394286 |
| 0.0428 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.0428 - 0.1)/(45 - 30) | -0.00381333 |
| 0.0687 (5/20/2024) | ND<0.1 U (6/10/2020) | (0.0687 - 0.1)/(46 - 30) | -0.00195625 |
| 0.106 (9/16/2024) | ND<0.1 U (6/10/2020) | (0.106 - 0.1)/(47 - 30) | 0.000352941 |
| 0.083 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.083 - 0.1)/(48 - 30) | -0.000944444 |
| 0.12 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.12 - 0.1)/(49 - 30) | 0.00105263 |
| | | | |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(37 - 31) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.144 - 0.1)/(38 - 31) | 0.00628571 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (9/21/2020) | (0.0469 - 0.1)/(42 - 31) | -0.00482727 |
| 0.0662 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.0662 - 0.1)/(43 - 31) | -0.00281667 |
| 0.0448 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.0448 - 0.1)/(44 - 31) | -0.00424615 |
| 0.0428 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.0428 - 0.1)/(45 - 31) | -0.00408571 |
| 0.0687 (5/20/2024) | ND<0.1 U (9/21/2020) | (0.0687 - 0.1)/(46 - 31) | -0.00208667 |
| 0.106 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.106 - 0.1)/(47 - 31) | 0.000375 |
| 0.083 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.083 - 0.1)/(48 - 31) | -0.001 |
| 0.12 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.12 - 0.1)/(49 - 31) | 0.00111111 |
| | | | |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(35 - 32) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(36 - 32) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (12/17/2020) | (0.144 - 0.1)/(38 - 32) | 0.00733333 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (12/17/2020) | (0.0469 - 0.1)/(42 - 32) | -0.00531 |
| 0.0662 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.0662 - 0.1)/(43 - 32) | -0.00307273 |
| 0.0448 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0448 - 0.1)/(44 - 32) | -0.0046 |
| 0.0428 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0428 - 0.1)/(45 - 32) | -0.0044 |
| 0.0687 (5/20/2024) | ND<0.1 U (12/17/2020) | (0.0687 - 0.1)/(46 - 32) | -0.00223571 |
| 0.106 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.106 - 0.1)/(47 - 32) | 0.0004 |
| 0.083 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.083 - 0.1)/(48 - 32) | -0.0010625 |
| 0.12 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.12 - 0.1)/(49 - 32) | 0.00117647 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(35 - 33) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(36 - 33) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(37 - 33) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (3/18/2021) | (0.144 - 0.1)/(38 - 33) | 0.0088 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(39 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (3/18/2021) | (0.0469 - 0.1)/(42 - 33) | -0.0059 |
| 0.0662 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.0662 - 0.1)/(43 - 33) | -0.00338 |
| 0.0448 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0448 - 0.1)/(44 - 33) | -0.00501818 |
| 0.0428 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0428 - 0.1)/(45 - 33) | -0.00476667 |
| 0.0687 (5/20/2024) | ND<0.1 U (3/18/2021) | (0.0687 - 0.1)/(46 - 33) | -0.00240769 |
| 0.106 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.106 - 0.1)/(47 - 33) | 0.000428571 |
| 0.083 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.083 - 0.1)/(48 - 33) | -0.00113333 |
| 0.12 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.12 - 0.1)/(49 - 33) | 0.00125 |
| | | | |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(35 - 34) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(36 - 34) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(37 - 34) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (5/5/2021) | (0.144 - 0.1)/(38 - 34) | 0.011 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(39 - 34) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (5/5/2021) | (0.0469 - 0.1)/(42 - 34) | -0.0066375 |
| 0.0662 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.0662 - 0.1)/(43 - 34) | -0.00375556 |
| 0.0448 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.0448 - 0.1)/(44 - 34) | -0.00552 |
| 0.0428 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0428 - 0.1)/(45 - 34) | -0.0052 |
| 0.0687 (5/20/2024) | ND<0.1 U (5/5/2021) | (0.0687 - 0.1)/(46 - 34) | -0.00260833 |
| 0.106 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.106 - 0.1)/(47 - 34) | 0.000461538 |
| 0.083 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.083 - 0.1)/(48 - 34) | -0.00121429 |
| 0.12 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.12 - 0.1)/(49 - 34) | 0.00133333 |
| | | | |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(36 - 35) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(37 - 35) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (9/2/2021) | (0.144 - 0.1)/(38 - 35) | 0.0146667 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 35) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(41 - 35) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (9/2/2021) | (0.0469 - 0.1)/(42 - 35) | -0.00758571 |
| 0.0662 (8/7/2023) | ND<0.1 U (9/2/2021) | (0.0662 - 0.1)/(43 - 35) | -0.004225 |
| 0.0448 (12/12/2023) | ND<0.1 U (9/2/2021) | (0.0448 - 0.1)/(44 - 35) | -0.00613333 |
| 0.0428 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.0428 - 0.1)/(45 - 35) | -0.00572 |
| 0.0687 (5/20/2024) | ND<0.1 U (9/2/2021) | (0.0687 - 0.1)/(46 - 35) | -0.00284545 |
| 0.106 (9/16/2024) | ND<0.1 U (9/2/2021) | (0.106 - 0.1)/(47 - 35) | 0.0005 |
| 0.083 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.083 - 0.1)/(48 - 35) | -0.00130769 |
| 0.12 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.12 - 0.1)/(49 - 35) | 0.00142857 |
| | | | |
| ND<0.1 U (1/10/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(37 - 36) | 0 |
| 0.144 (4/7/2022) | ND<0.1 U (11/23/2021) | (0.144 - 0.1)/(38 - 36) | 0.022 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(41 - 36) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (11/23/2021) | (0.0469 - 0.1)/(42 - 36) | -0.00885 |
| 0.0662 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.0662 - 0.1)/(43 - 36) | -0.00482857 |
| 0.0448 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.0448 - 0.1)/(44 - 36) | -0.0069 |
| 0.0428 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0428 - 0.1)/(45 - 36) | -0.00635556 |
| 0.0687 (5/20/2024) | ND<0.1 U (11/23/2021) | (0.0687 - 0.1)/(46 - 36) | -0.00313 |
| 0.106 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.106 - 0.1)/(47 - 36) | 0.000545455 |

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|---|---|---|---|
| 0.083 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.083 - 0.1)/(48 - 36) | -0.00141667 |
| 0.12 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.12 - 0.1)/(49 - 36) | 0.00153846 |
| | | | |
| 0.144 (4/7/2022) | ND<0.1 U (1/10/2022) | (0.144 - 0.1)/(38 - 37) | 0.044 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(39 - 37) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(41 - 37) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (1/10/2022) | (0.0469 - 0.1)/(42 - 37) | -0.01062 |
| 0.0662 (8/7/2023) | ND<0.1 U (1/10/2022) | (0.0662 - 0.1)/(43 - 37) | -0.00563333 |
| 0.0448 (12/12/2023) | ND<0.1 U (1/10/2022) | (0.0448 - 0.1)/(44 - 37) | -0.00788571 |
| 0.0428 (1/10/2024) | ND<0.1 U (1/10/2022) | (0.0428 - 0.1)/(45 - 37) | -0.00715 |
| 0.0687 (5/20/2024) | ND<0.1 U (1/10/2022) | (0.0687 - 0.1)/(46 - 37) | -0.00347778 |
| 0.106 (9/16/2024) | ND<0.1 U (1/10/2022) | (0.106 - 0.1)/(47 - 37) | 0.0006 |
| 0.083 (12/11/2024) | ND<0.1 U (1/10/2022) | (0.083 - 0.1)/(48 - 37) | -0.00154545 |
| 0.12 (2/18/2025) | ND<0.1 U (1/10/2022) | (0.12 - 0.1)/(49 - 37) | 0.00166667 |
| | | | |
| ND<0.1 U (8/3/2022) | 0.144 (4/7/2022) | (0.1 - 0.144)/(39 - 38) | -0.044 |
| ND<0.1 U (11/16/2022) | 0.144 (4/7/2022) | (0.1 - 0.144)/(40 - 38) | -0.022 |
| ND<0.1 U (2/13/2023) | 0.144 (4/7/2022) | (0.1 - 0.144)/(41 - 38) | -0.0146667 |
| 0.0469 (5/24/2023) | 0.144 (4/7/2022) | (0.0469 - 0.144)/(42 - 38) | -0.024275 |
| 0.0662 (8/7/2023) | 0.144 (4/7/2022) | (0.0662 - 0.144)/(43 - 38) | -0.01556 |
| 0.0448 (12/12/2023) | 0.144 (4/7/2022) | (0.0448 - 0.144)/(44 - 38) | -0.0165333 |
| 0.0428 (1/10/2024) | 0.144 (4/7/2022) | (0.0428 - 0.144)/(45 - 38) | -0.0144571 |
| 0.0687 (5/20/2024) | 0.144 (4/7/2022) | (0.0687 - 0.144)/(46 - 38) | -0.0094125 |
| 0.106 (9/16/2024) | 0.144 (4/7/2022) | (0.106 - 0.144)/(47 - 38) | -0.00422222 |
| 0.083 (12/11/2024) | 0.144 (4/7/2022) | (0.083 - 0.144)/(48 - 38) | -0.0061 |
| 0.12 (2/18/2025) | 0.144 (4/7/2022) | (0.12 - 0.144)/(49 - 38) | -0.00218182 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (8/3/2022) | (0.0469 - 0.1)/(42 - 39) | -0.0177 |
| 0.0662 (8/7/2023) | ND<0.1 U (8/3/2022) | (0.0662 - 0.1)/(43 - 39) | -0.00845 |
| 0.0448 (12/12/2023) | ND<0.1 U (8/3/2022) | (0.0448 - 0.1)/(44 - 39) | -0.01104 |
| 0.0428 (1/10/2024) | ND<0.1 U (8/3/2022) | (0.0428 - 0.1)/(45 - 39) | -0.00953333 |
| 0.0687 (5/20/2024) | ND<0.1 U (8/3/2022) | (0.0687 - 0.1)/(46 - 39) | -0.00447143 |
| 0.106 (9/16/2024) | ND<0.1 U (8/3/2022) | (0.106 - 0.1)/(47 - 39) | 0.00075 |
| 0.083 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.083 - 0.1)/(48 - 39) | -0.00188889 |
| 0.12 (2/18/2025) | ND<0.1 U (8/3/2022) | (0.12 - 0.1)/(49 - 39) | 0.002 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.0469 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.0469 - 0.1)/(42 - 40) | -0.02655 |
| 0.0662 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0662 - 0.1)/(43 - 40) | -0.0112667 |
| 0.0448 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0448 - 0.1)/(44 - 40) | -0.0138 |
| 0.0428 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0428 - 0.1)/(45 - 40) | -0.01144 |
| 0.0687 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.0687 - 0.1)/(46 - 40) | -0.00521667 |
| 0.106 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.106 - 0.1)/(47 - 40) | 0.000857143 |
| 0.083 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.083 - 0.1)/(48 - 40) | -0.002125 |
| 0.12 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.12 - 0.1)/(49 - 40) | 0.00222222 |
| | | | |
| 0.0469 (5/24/2023) | ND<0.1 U (2/13/2023) | (0.0469 - 0.1)/(42 - 41) | -0.0531 |
| 0.0662 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.0662 - 0.1)/(43 - 41) | -0.0169 |
| 0.0448 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.0448 - 0.1)/(44 - 41) | -0.0184 |
| 0.0428 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.0428 - 0.1)/(45 - 41) | -0.0143 |
| 0.0687 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.0687 - 0.1)/(46 - 41) | -0.00626 |
| 0.106 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.106 - 0.1)/(47 - 41) | 0.001 |
| 0.083 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.083 - 0.1)/(48 - 41) | -0.00242857 |
| 0.12 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.12 - 0.1)/(49 - 41) | 0.0025 |

| | | | |
|---|---|---|---|
| 0.0662 (8/7/2023) | 0.0469 (5/24/2023) | (0.0662 - 0.0469)/(43 - 42) | 0.0193 |
| 0.0448 (12/12/2023) | 0.0469 (5/24/2023) | (0.0448 - 0.0469)/(44 - 42) | -0.00105 |
| 0.0428 (1/10/2024) | 0.0469 (5/24/2023) | (0.0428 - 0.0469)/(45 - 42) | -0.00136667 |
| 0.0687 (5/20/2024) | 0.0469 (5/24/2023) | (0.0687 - 0.0469)/(46 - 42) | 0.00545 |
| 0.106 (9/16/2024) | 0.0469 (5/24/2023) | (0.106 - 0.0469)/(47 - 42) | 0.01182 |
| 0.083 (12/11/2024) | 0.0469 (5/24/2023) | (0.083 - 0.0469)/(48 - 42) | 0.00601667 |
| 0.12 (2/18/2025) | 0.0469 (5/24/2023) | (0.12 - 0.0469)/(49 - 42) | 0.0104429 |
| | | | |
| 0.0448 (12/12/2023) | 0.0662 (8/7/2023) | (0.0448 - 0.0662)/(44 - 43) | -0.0214 |
| 0.0428 (1/10/2024) | 0.0662 (8/7/2023) | (0.0428 - 0.0662)/(45 - 43) | -0.0117 |
| 0.0687 (5/20/2024) | 0.0662 (8/7/2023) | (0.0687 - 0.0662)/(46 - 43) | 0.000833333 |
| 0.106 (9/16/2024) | 0.0662 (8/7/2023) | (0.106 - 0.0662)/(47 - 43) | 0.00995 |
| 0.083 (12/11/2024) | 0.0662 (8/7/2023) | (0.083 - 0.0662)/(48 - 43) | 0.00336 |
| 0.12 (2/18/2025) | 0.0662 (8/7/2023) | (0.12 - 0.0662)/(49 - 43) | 0.00896667 |
| | | | |
| 0.0428 (1/10/2024) | 0.0448 (12/12/2023) | (0.0428 - 0.0448)/(45 - 44) | -0.002 |
| 0.0687 (5/20/2024) | 0.0448 (12/12/2023) | (0.0687 - 0.0448)/(46 - 44) | 0.01195 |
| 0.106 (9/16/2024) | 0.0448 (12/12/2023) | (0.106 - 0.0448)/(47 - 44) | 0.0204 |
| 0.083 (12/11/2024) | 0.0448 (12/12/2023) | (0.083 - 0.0448)/(48 - 44) | 0.00955 |
| 0.12 (2/18/2025) | 0.0448 (12/12/2023) | (0.12 - 0.0448)/(49 - 44) | 0.01504 |
| | | | |
| 0.0687 (5/20/2024) | 0.0428 (1/10/2024) | (0.0687 - 0.0428)/(46 - 45) | 0.0259 |
| 0.106 (9/16/2024) | 0.0428 (1/10/2024) | (0.106 - 0.0428)/(47 - 45) | 0.0316 |
| 0.083 (12/11/2024) | 0.0428 (1/10/2024) | (0.083 - 0.0428)/(48 - 45) | 0.0134 |
| 0.12 (2/18/2025) | 0.0428 (1/10/2024) | (0.12 - 0.0428)/(49 - 45) | 0.0193 |
| | | | |
| 0.106 (9/16/2024) | 0.0687 (5/20/2024) | (0.106 - 0.0687)/(47 - 46) | 0.0373 |
| 0.083 (12/11/2024) | 0.0687 (5/20/2024) | (0.083 - 0.0687)/(48 - 46) | 0.00715 |
| 0.12 (2/18/2025) | 0.0687 (5/20/2024) | (0.12 - 0.0687)/(49 - 46) | 0.0171 |
| | | | |
| 0.083 (12/11/2024) | 0.106 (9/16/2024) | (0.083 - 0.106)/(48 - 47) | -0.023 |
| 0.12 (2/18/2025) | 0.106 (9/16/2024) | (0.12 - 0.106)/(49 - 47) | 0.007 |
| | | | |
| 0.12 (2/18/2025) | 0.083 (12/11/2024) | (0.12 - 0.083)/(49 - 48) | 0.037 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.08 |
| 2 | -0.0531 |
| 3 | -0.05 |
| 4 | -0.044 |
| 5 | -0.0333333 |
| 6 | -0.03 |
| 7 | -0.03 |
| 8 | -0.02655 |
| 9 | -0.025 |
| 10 | -0.024275 |
| 11 | -0.023 |
| 12 | -0.022 |
| 13 | -0.0214 |
| 14 | -0.02 |
| 15 | -0.02 |
| 16 | -0.0184 |

| | |
|---|---|
| 17 | -0.0177 |
| 18 | -0.0169 |
| 19 | -0.0166667 |
| 20 | -0.0165333 |
| 21 | -0.01556 |
| 22 | -0.015 |
| 23 | -0.015 |
| 24 | -0.0146667 |
| 25 | -0.0144571 |
| 26 | -0.0143 |
| 27 | -0.0142857 |
| 28 | -0.0138 |
| 29 | -0.0125 |
| 30 | -0.0117 |
| 31 | -0.01144 |
| 32 | -0.0112667 |
| 33 | -0.0111111 |
| 34 | -0.01104 |
| 35 | -0.0109357 |
| 36 | -0.01062 |
| 37 | -0.01 |
| 38 | -0.01 |
| 39 | -0.01 |
| 40 | -0.0097 |
| 41 | -0.00953333 |
| 42 | -0.0094125 |
| 43 | -0.00924706 |
| 44 | -0.00909091 |
| 45 | -0.00892 |
| 46 | -0.00885 |
| 47 | -0.00845 |
| 48 | -0.00833333 |
| 49 | -0.00788571 |
| 50 | -0.00769231 |
| 51 | -0.00758571 |
| 52 | -0.0075 |
| 53 | -0.0075 |
| 54 | -0.00729444 |
| 55 | -0.00715 |
| 56 | -0.0069 |
| 57 | -0.00666667 |
| 58 | -0.0066375 |
| 59 | -0.00635556 |
| 60 | -0.00626 |
| 61 | -0.00613333 |
| 62 | -0.0061 |
| 63 | -0.006 |
| 64 | -0.006 |
| 65 | -0.0059 |
| 66 | -0.00585 |
| 67 | -0.00572 |
| 68 | -0.00563333 |
| 69 | -0.00562308 |
| 70 | -0.0056 |
| 71 | -0.00552 |
| 72 | -0.00531 |
| 73 | -0.00521667 |

| | |
|---|---|
| 74 | -0.0052 |
| 75 | -0.00501818 |
| 76 | -0.00501333 |
| 77 | -0.005 |
| 78 | -0.005 |
| 79 | -0.005 |
| 80 | -0.00494737 |
| 81 | -0.00482857 |
| 82 | -0.00482727 |
| 83 | -0.004825 |
| 84 | -0.00476667 |
| 85 | -0.0046 |
| 86 | -0.00447143 |
| 87 | -0.004425 |
| 88 | -0.0044 |
| 89 | -0.00428571 |
| 90 | -0.00424615 |
| 91 | -0.004225 |
| 92 | -0.00422222 |
| 93 | -0.00408571 |
| 94 | -0.004 |
| 95 | -0.00394286 |
| 96 | -0.00384286 |
| 97 | -0.00381333 |
| 98 | -0.00380952 |
| 99 | -0.00375556 |
| 100 | -0.00375 |
| 101 | -0.00375 |
| 102 | -0.00361304 |
| 103 | -0.00354 |
| 104 | -0.00347778 |
| 105 | -0.003408 |
| 106 | -0.00338 |
| 107 | -0.00335385 |
| 108 | -0.00333333 |
| 109 | -0.00333333 |
| 110 | -0.00331875 |
| 111 | -0.00324706 |
| 112 | -0.00317778 |
| 113 | -0.00313 |
| 114 | -0.00312353 |
| 115 | -0.00307273 |
| 116 | -0.00306667 |
| 117 | -0.00301765 |
| 118 | -0.00301053 |
| 119 | -0.003 |
| 120 | -0.00295 |
| 121 | -0.00290526 |
| 122 | -0.00286 |
| 123 | -0.00285714 |
| 124 | -0.00284545 |
| 125 | -0.00281667 |
| 126 | -0.00279474 |
| 127 | -0.00277 |
| 128 | -0.00276 |
| 129 | -0.00272727 |
| 130 | -0.00272727 |

| | |
|---|---|
| 131 | -0.00272381 |
| 132 | -0.0026625 |
| 133 | -0.00265833 |
| 134 | -0.002655 |
| 135 | -0.00264242 |
| 136 | -0.00262857 |
| 137 | -0.00260833 |
| 138 | -0.0026 |
| 139 | -0.0026 |
| 140 | -0.00252857 |
| 141 | -0.00250909 |
| 142 | -0.0025 |
| 143 | -0.0025 |
| 144 | -0.0025 |
| 145 | -0.00248696 |
| 146 | -0.00242857 |
| 147 | -0.00241364 |
| 148 | -0.00240769 |
| 149 | -0.0024 |
| 150 | -0.00238333 |
| 151 | -0.00230769 |
| 152 | -0.00230769 |
| 153 | -0.0023 |
| 154 | -0.002288 |
| 155 | -0.00227037 |
| 156 | -0.00223571 |
| 157 | -0.0022125 |
| 158 | -0.00218182 |
| 159 | -0.00214286 |
| 160 | -0.00214286 |
| 161 | -0.002125 |
| 162 | -0.002124 |
| 163 | -0.00212308 |
| 164 | -0.00211852 |
| 165 | -0.0021125 |
| 166 | -0.00208667 |
| 167 | -0.00205806 |
| 168 | -0.00204444 |
| 169 | -0.00204286 |
| 170 | -0.00204231 |
| 171 | -0.002 |
| 172 | -0.002 |
| 173 | -0.002 |
| 174 | -0.002 |
| 175 | -0.00198824 |
| 176 | -0.00197241 |
| 177 | -0.00197143 |
| 178 | -0.00196667 |
| 179 | -0.00195625 |
| 180 | -0.00194737 |
| 181 | -0.00190667 |
| 182 | -0.00190345 |
| 183 | -0.00189643 |
| 184 | -0.00188889 |
| 185 | -0.00187778 |
| 186 | -0.001875 |
| 187 | -0.00184516 |

| | |
|---|---|
| 188 | -0.00184 |
| 189 | -0.00183103 |
| 190 | -0.00181818 |
| 191 | -0.00180294 |
| 192 | -0.0017875 |
| 193 | -0.00178065 |
| 194 | -0.00177895 |
| 195 | -0.00176471 |
| 196 | -0.0017129 |
| 197 | -0.00169 |
| 198 | -0.00168235 |
| 199 | -0.00167273 |
| 200 | -0.00166667 |
| 201 | -0.00166667 |
| 202 | -0.00166667 |
| 203 | -0.00165938 |
| 204 | -0.00164737 |
| 205 | -0.00163429 |
| 206 | -0.00162353 |
| 207 | -0.00162069 |
| 208 | -0.00160952 |
| 209 | -0.00160909 |
| 210 | -0.00158889 |
| 211 | -0.00157895 |
| 212 | -0.00157714 |
| 213 | -0.001565 |
| 214 | -0.00156176 |
| 215 | -0.00154595 |
| 216 | -0.00154545 |
| 217 | -0.00153636 |
| 218 | -0.00153333 |
| 219 | -0.00151714 |
| 220 | -0.00150526 |
| 221 | -0.0015 |
| 222 | -0.0015 |
| 223 | -0.00149189 |
| 224 | -0.00149048 |
| 225 | -0.001475 |
| 226 | -0.00146957 |
| 227 | -0.00146667 |
| 228 | -0.00145263 |
| 229 | -0.00143514 |
| 230 | -0.00143 |
| 231 | -0.00142857 |
| 232 | -0.00142857 |
| 233 | -0.00142273 |
| 234 | -0.00141667 |
| 235 | -0.00141538 |
| 236 | -0.00139737 |
| 237 | -0.00139512 |
| 238 | -0.00138 |
| 239 | -0.00136667 |
| 240 | -0.00136364 |
| 241 | -0.00136364 |
| 242 | -0.0013619 |
| 243 | -0.00136154 |
| 244 | -0.00136087 |

| | |
|---|---|
| 245 | -0.001352 |
| 246 | -0.00134634 |
| 247 | -0.00133023 |
| 248 | -0.0013275 |
| 249 | -0.00131429 |
| 250 | -0.00130769 |
| 251 | -0.00130556 |
| 252 | -0.00130435 |
| 253 | -0.00130417 |
| 254 | -0.0013 |
| 255 | -0.0013 |
| 256 | -0.00129512 |
| 257 | -0.00128372 |
| 258 | -0.001252 |
| 259 | -0.00125185 |
| 260 | -0.00125 |
| 261 | -0.00121429 |
| 262 | -0.00120714 |
| 263 | -0.00120385 |
| 264 | -0.0012 |
| 265 | -0.00116552 |
| 266 | -0.00113333 |
| 267 | -0.00112667 |
| 268 | -0.00111786 |
| 269 | -0.00111111 |
| 270 | -0.00107931 |
| 271 | -0.00107143 |
| 272 | -0.0010625 |
| 273 | -0.00105625 |
| 274 | -0.00105 |
| 275 | -0.00104333 |
| 276 | -0.00103448 |
| 277 | -0.00102424 |
| 278 | -0.00100968 |
| 279 | -0.001 |
| 280 | -0.001 |
| 281 | -0.000994118 |
| 282 | -0.000978125 |
| 283 | -0.000965714 |
| 284 | -0.000948485 |
| 285 | -0.000944444 |
| 286 | -0.000938889 |
| 287 | -0.000913514 |
| 288 | -0.000894286 |
| 289 | -0.000889474 |
| 290 | -0.000869444 |
| 291 | -0.000866667 |
| 292 | -0.000857143 |
| 293 | -0.000845946 |
| 294 | -0.000845 |
| 295 | -0.00082439 |
| 296 | -0.000823684 |
| 297 | -0.000809524 |
| 298 | -0.000804762 |
| 299 | -0.000802564 |
| 300 | -0.0007825 |
| 301 | -0.000777778 |

| | |
|---|---|
| 302 | -0.000772727 |
| 303 | -0.000763415 |
| 304 | -0.000745238 |
| 305 | -0.00073913 |
| 306 | -0.000727907 |
| 307 | -0.000711364 |
| 308 | -0.000708333 |
| 309 | -0.000695556 |
| 310 | -0.000685714 |
| 311 | -0.00068 |
| 312 | -0.000653846 |
| 313 | -0.00062963 |
| 314 | -0.000607143 |
| 315 | -0.000588235 |
| 316 | -0.000566667 |
| 317 | -0.000548387 |
| 318 | -0.00053125 |
| 319 | -0.000515152 |
| 320 | -0.0005 |
| 321 | -0.000485714 |
| 322 | -0.000459459 |
| 323 | -0.000447368 |
| 324 | -0.000435897 |
| 325 | -0.000425 |
| 326 | -0.000414634 |
| 327 | -0.000404762 |
| 328 | -0.000395349 |
| 329 | -0.000386364 |
| 330 | -0.000377778 |
| 331 | -0.000369565 |
| 332 | -0.000361702 |
| 333 | -0.000333333 |
| 334 | -0.00027027 |
| 335 | 0 |
| 336 | 0 |
| 337 | 0 |
| 338 | 0 |
| 339 | 0 |
| 340 | 0 |
| 341 | 0 |
| 342 | 0 |
| 343 | 0 |
| 344 | 0 |
| 345 | 0 |
| 346 | 0 |
| 347 | 0 |
| 348 | 0 |
| 349 | 0 |
| 350 | 0 |
| 351 | 0 |
| 352 | 0 |
| 353 | 0 |
| 354 | 0 |
| 355 | 0 |
| 356 | 0 |
| 357 | 0 |
| 358 | 0 |

| | |
|---|---|
| 359 | 0 |
| 360 | 0 |
| 361 | 0 |
| 362 | 0 |
| 363 | 0 |
| 364 | 0 |
| 365 | 0 |
| 366 | 0 |
| 367 | 0 |
| 368 | 0 |
| 369 | 0 |
| 370 | 0 |
| 371 | 0 |
| 372 | 0 |
| 373 | 0 |
| 374 | 0 |
| 375 | 0 |
| 376 | 0 |
| 377 | 0 |
| 378 | 0 |
| 379 | 0 |
| 380 | 0 |
| 381 | 0 |
| 382 | 0 |
| 383 | 0 |
| 384 | 0 |
| 385 | 0 |
| 386 | 0 |
| 387 | 0 |
| 388 | 0 |
| 389 | 0 |
| 390 | 0 |
| 391 | 0 |
| 392 | 0 |
| 393 | 0 |
| 394 | 0 |
| 395 | 0 |
| 396 | 0 |
| 397 | 0 |
| 398 | 0 |
| 399 | 0 |
| 400 | 0 |
| 401 | 0 |
| 402 | 0 |
| 403 | 0 |
| 404 | 0 |
| 405 | 0 |
| 406 | 0 |
| 407 | 0 |
| 408 | 0 |
| 409 | 0 |
| 410 | 0 |
| 411 | 0 |
| 412 | 0 |
| 413 | 0 |
| 414 | 0 |
| 415 | 0 |

| | |
|---|---|
| 416 | 0 |
| 417 | 0 |
| 418 | 0 |
| 419 | 0 |
| 420 | 0 |
| 421 | 0 |
| 422 | 0 |
| 423 | 0 |
| 424 | 0 |
| 425 | 0 |
| 426 | 0 |
| 427 | 0 |
| 428 | 0 |
| 429 | 0 |
| 430 | 0 |
| 431 | 0 |
| 432 | 0 |
| 433 | 0 |
| 434 | 0 |
| 435 | 0 |
| 436 | 0 |
| 437 | 0 |
| 438 | 0 |
| 439 | 0 |
| 440 | 0 |
| 441 | 0 |
| 442 | 0 |
| 443 | 0 |
| 444 | 0 |
| 445 | 0 |
| 446 | 0 |
| 447 | 0 |
| 448 | 0 |
| 449 | 0 |
| 450 | 0 |
| 451 | 0 |
| 452 | 0 |
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| 454 | 0 |
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| 929 | 0 |
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| 950 | 0 |
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| 963 | 0 |
| 964 | 0 |
| 965 | 0 |
| 966 | 0 |
| 967 | 0.000130435 |
| 968 | 0.000133333 |
| 969 | 0.000136364 |
| 970 | 0.000139535 |
| 971 | 0.000142857 |
| 972 | 0.000146341 |
| 973 | 0.00015 |
| 974 | 0.000153846 |
| 975 | 0.000157895 |
| 976 | 0.000162162 |
| 977 | 0.000166667 |
| 978 | 0.000176471 |
| 979 | 0.000181818 |
| 980 | 0.0001875 |
| 981 | 0.000193548 |
| 982 | 0.0002 |
| 983 | 0.000206897 |
| 984 | 0.000222222 |
| 985 | 0.000230769 |

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|---|---|
| 986 | 0.00024 |
| 987 | 0.00025 |
| 988 | 0.00026087 |
| 989 | 0.000272727 |
| 990 | 0.000285714 |
| 991 | 0.0003 |
| 992 | 0.000352941 |
| 993 | 0.000375 |
| 994 | 0.0004 |
| 995 | 0.000416667 |
| 996 | 0.000425532 |
| 997 | 0.000428571 |
| 998 | 0.000434783 |
| 999 | 0.000444444 |
| 1000 | 0.000454545 |
| 1001 | 0.000461538 |
| 1002 | 0.000465116 |
| 1003 | 0.00047619 |
| 1004 | 0.000487805 |
| 1005 | 0.0005 |
| 1006 | 0.0005 |
| 1007 | 0.000512821 |
| 1008 | 0.000526316 |
| 1009 | 0.000538462 |
| 1010 | 0.000545455 |
| 1011 | 0.000555556 |
| 1012 | 0.000571429 |
| 1013 | 0.000588235 |
| 1014 | 0.0006 |
| 1015 | 0.000606061 |
| 1016 | 0.000625 |
| 1017 | 0.000645161 |
| 1018 | 0.000689655 |
| 1019 | 0.000714286 |
| 1020 | 0.000714286 |
| 1021 | 0.000736842 |
| 1022 | 0.000740741 |
| 1023 | 0.000740741 |
| 1024 | 0.00075 |
| 1025 | 0.000769231 |
| 1026 | 0.000769231 |
| 1027 | 0.0008 |
| 1028 | 0.0008 |
| 1029 | 0.000833333 |
| 1030 | 0.000833333 |
| 1031 | 0.000833333 |
| 1032 | 0.000857143 |
| 1033 | 0.000869565 |
| 1034 | 0.000869565 |
| 1035 | 0.000909091 |
| 1036 | 0.000909091 |
| 1037 | 0.000952381 |
| 1038 | 0.001 |
| 1039 | 0.001 |
| 1040 | 0.00105263 |
| 1041 | 0.00105263 |
| 1042 | 0.00111111 |

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|---|---|
| 1043 | 0.00111111 |
| 1044 | 0.00117647 |
| 1045 | 0.00118919 |
| 1046 | 0.00122222 |
| 1047 | 0.00125 |
| 1048 | 0.00125 |
| 1049 | 0.00125714 |
| 1050 | 0.00129412 |
| 1051 | 0.00133333 |
| 1052 | 0.00133333 |
| 1053 | 0.00133333 |
| 1054 | 0.001375 |
| 1055 | 0.00141935 |
| 1056 | 0.00142857 |
| 1057 | 0.00142857 |
| 1058 | 0.00146667 |
| 1059 | 0.00151724 |
| 1060 | 0.00153846 |
| 1061 | 0.00153846 |
| 1062 | 0.00157143 |
| 1063 | 0.00162963 |
| 1064 | 0.00166667 |
| 1065 | 0.00166667 |
| 1066 | 0.00166667 |
| 1067 | 0.00176 |
| 1068 | 0.00176471 |
| 1069 | 0.00181818 |
| 1070 | 0.00183333 |
| 1071 | 0.001875 |
| 1072 | 0.00191304 |
| 1073 | 0.002 |
| 1074 | 0.002 |
| 1075 | 0.002 |
| 1076 | 0.00209524 |
| 1077 | 0.00214286 |
| 1078 | 0.0022 |
| 1079 | 0.00222222 |
| 1080 | 0.00222222 |
| 1081 | 0.00230769 |
| 1082 | 0.00244444 |
| 1083 | 0.0025 |
| 1084 | 0.0025 |
| 1085 | 0.0025 |
| 1086 | 0.00258824 |
| 1087 | 0.00266667 |
| 1088 | 0.00272727 |
| 1089 | 0.00272727 |
| 1090 | 0.00275 |
| 1091 | 0.00285714 |
| 1092 | 0.00293333 |
| 1093 | 0.003 |
| 1094 | 0.003 |
| 1095 | 0.00314286 |
| 1096 | 0.00333333 |
| 1097 | 0.00333333 |
| 1098 | 0.00333333 |
| 1099 | 0.00336 |

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| 1100 | 0.00338462 |
| 1101 | 0.00366667 |
| 1102 | 0.0037037 |
| 1103 | 0.00375 |
| 1104 | 0.00375 |
| 1105 | 0.00384615 |
| 1106 | 0.004 |
| 1107 | 0.004 |
| 1108 | 0.004 |
| 1109 | 0.00416667 |
| 1110 | 0.00428571 |
| 1111 | 0.00434783 |
| 1112 | 0.004375 |
| 1113 | 0.00454545 |
| 1114 | 0.0047619 |
| 1115 | 0.005 |
| 1116 | 0.005 |
| 1117 | 0.005 |
| 1118 | 0.005 |
| 1119 | 0.00526316 |
| 1120 | 0.00545 |
| 1121 | 0.0055 |
| 1122 | 0.00555556 |
| 1123 | 0.00588235 |
| 1124 | 0.006 |
| 1125 | 0.006 |
| 1126 | 0.00601667 |
| 1127 | 0.00628571 |
| 1128 | 0.00666667 |
| 1129 | 0.00666667 |
| 1130 | 0.007 |
| 1131 | 0.00714286 |
| 1132 | 0.00715 |
| 1133 | 0.00733333 |
| 1134 | 0.0075 |
| 1135 | 0.0075 |
| 1136 | 0.00769231 |
| 1137 | 0.00777778 |
| 1138 | 0.00833333 |
| 1139 | 0.0088 |
| 1140 | 0.00896667 |
| 1141 | 0.00909091 |
| 1142 | 0.00955 |
| 1143 | 0.00995 |
| 1144 | 0.01 |
| 1145 | 0.01 |
| 1146 | 0.01 |
| 1147 | 0.01 |
| 1148 | 0.0104429 |
| 1149 | 0.011 |
| 1150 | 0.01182 |
| 1151 | 0.01195 |
| 1152 | 0.0125 |
| 1153 | 0.0134 |
| 1154 | 0.0142857 |
| 1155 | 0.0146667 |
| 1156 | 0.015 |

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|---|---|
| 1157 | 0.015 |
| 1158 | 0.01504 |
| 1159 | 0.0166667 |
| 1160 | 0.0171 |
| 1161 | 0.0193 |
| 1162 | 0.0193 |
| 1163 | 0.02 |
| 1164 | 0.0204 |
| 1165 | 0.022 |
| 1166 | 0.025 |
| 1167 | 0.0259 |
| 1168 | 0.03 |
| 1169 | 0.03 |
| 1170 | 0.0316 |
| 1171 | 0.0333333 |
| 1172 | 0.037 |
| 1173 | 0.0373 |
| 1174 | 0.044 |
| 1175 | 0.05 |
| 1176 | 0.1 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 36 |
| 2 | 0.13 | 2 |
| 3 | 0.12 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |

| | |
|---|---|
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 97056
B = 0
C = 42840
D = 0
E = 1264
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 8066.67
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 147.732
M1 = (1176 - 147.732)/2.0 = 514.134
M2 = (1176 + 147.732)/2.0 + 1 = 662.866
Lower limit is 0 = Q(514)
Upper limit is 0 = Q(663)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 1
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | 0.11 (3/12/2013) | (0.1 - 0.11)/(2 - 1) | -0.01 |
| ND<0.1 U (9/23/2013) | 0.11 (3/12/2013) | (0.1 - 0.11)/(3 - 1) | -0.005 |
| 0.26 (12/10/2013) | 0.11 (3/12/2013) | (0.26 - 0.11)/(4 - 1) | 0.05 |
| 0.13 (2/6/2014) | 0.11 (3/12/2013) | (0.13 - 0.11)/(5 - 1) | 0.005 |
| ND<0.1 U (6/26/2014) | 0.11 (3/12/2013) | (0.1 - 0.11)/(6 - 1) | -0.002 |
| 0.11 (9/30/2014) | 0.11 (3/12/2013) | (0.11 - 0.11)/(7 - 1) | 0 |
| 0.29 (11/19/2014) | 0.11 (3/12/2013) | (0.29 - 0.11)/(8 - 1) | 0.0257143 |
| 0.1 (3/23/2015) | 0.11 (3/12/2013) | (0.1 - 0.11)/(9 - 1) | -0.00125 |
| ND<0.1 U (4/22/2015) | 0.11 (3/12/2013) | (0.1 - 0.11)/(10 - 1) | -0.00111111 |
| 0.14 (9/30/2015) | 0.11 (3/12/2013) | (0.14 - 0.11)/(11 - 1) | 0.003 |
| 0.13 (11/19/2015) | 0.11 (3/12/2013) | (0.13 - 0.11)/(12 - 1) | 0.00181818 |
| ND<0.1 U (3/15/2016) | 0.11 (3/12/2013) | (0.1 - 0.11)/(13 - 1) | -0.000833333 |
| 0.25 (6/29/2016) | 0.11 (3/12/2013) | (0.25 - 0.11)/(14 - 1) | 0.0107692 |
| 0.15 (8/9/2016) | 0.11 (3/12/2013) | (0.15 - 0.11)/(15 - 1) | 0.00285714 |
| 0.27 (12/7/2016) | 0.11 (3/12/2013) | (0.27 - 0.11)/(16 - 1) | 0.0106667 |
| 0.21 (3/2/2017) | 0.11 (3/12/2013) | (0.21 - 0.11)/(17 - 1) | 0.00625 |
| ND<0.1 U (6/29/2017) | 0.11 (3/12/2013) | (0.1 - 0.11)/(18 - 1) | -0.000588235 |
| 0.11 (8/16/2017) | 0.11 (3/12/2013) | (0.11 - 0.11)/(19 - 1) | 0 |
| 0.15 (10/25/2017) | 0.11 (3/12/2013) | (0.15 - 0.11)/(20 - 1) | 0.00210526 |
| ND<0.1 U (3/28/2018) | 0.11 (3/12/2013) | (0.1 - 0.11)/(21 - 1) | -0.0005 |
| 0.24 (6/29/2018) | 0.11 (3/12/2013) | (0.24 - 0.11)/(22 - 1) | 0.00619048 |
| 0.14 (8/2/2018) | 0.11 (3/12/2013) | (0.14 - 0.11)/(23 - 1) | 0.00136364 |
| ND<0.1 U (12/10/2018) | 0.11 (3/12/2013) | (0.1 - 0.11)/(24 - 1) | -0.000434783 |
| ND<0.1 U (4/15/2019) | 0.11 (3/12/2013) | (0.1 - 0.11)/(25 - 1) | -0.000416667 |
| ND<0.1 U (6/12/2019) | 0.11 (3/12/2013) | (0.1 - 0.11)/(26 - 1) | -0.0004 |
| 0.161 (8/27/2019) | 0.11 (3/12/2013) | (0.161 - 0.11)/(27 - 1) | 0.00196154 |
| 0.134 (10/29/2019) | 0.11 (3/12/2013) | (0.134 - 0.11)/(28 - 1) | 0.000888889 |
| ND<0.1 U (3/30/2020) | 0.11 (3/12/2013) | (0.1 - 0.11)/(29 - 1) | -0.000357143 |
| 0.129 (6/16/2020) | 0.11 (3/12/2013) | (0.129 - 0.11)/(30 - 1) | 0.000655172 |
| ND<0.1 U (9/21/2020) | 0.11 (3/12/2013) | (0.1 - 0.11)/(31 - 1) | -0.000333333 |
| ND<0.1 U (12/17/2020) | 0.11 (3/12/2013) | (0.1 - 0.11)/(32 - 1) | -0.000322581 |
| 0.112 (3/18/2021) | 0.11 (3/12/2013) | (0.112 - 0.11)/(33 - 1) | 6.25e-05 |
| 0.1 U (5/5/2021) | 0.11 (3/12/2013) | (0.1 - 0.11)/(34 - 1) | -0.00030303 |
| 0.218 (9/2/2021) | 0.11 (3/12/2013) | (0.218 - 0.11)/(35 - 1) | 0.00317647 |
| 0.165 (11/23/2021) | 0.11 (3/12/2013) | (0.165 - 0.11)/(36 - 1) | 0.00157143 |
| ND<0.1 U (1/11/2022) | 0.11 (3/12/2013) | (0.1 - 0.11)/(37 - 1) | -0.000277778 |
| 0.255 (4/7/2022) | 0.11 (3/12/2013) | (0.255 - 0.11)/(38 - 1) | 0.00391892 |
| ND<0.1 U (8/2/2022) | 0.11 (3/12/2013) | (0.1 - 0.11)/(39 - 1) | -0.000263158 |
| 0.1 U (11/16/2022) | 0.11 (3/12/2013) | (0.1 - 0.11)/(40 - 1) | -0.00025641 |
| ND<0.1 U (2/14/2023) | 0.11 (3/12/2013) | (0.1 - 0.11)/(41 - 1) | -0.00025 |
| 0.0961 (5/25/2023) | 0.11 (3/12/2013) | (0.0961 - 0.11)/(42 - 1) | -0.000339024 |
| 0.17 (8/7/2023) | 0.11 (3/12/2013) | (0.17 - 0.11)/(43 - 1) | 0.00142857 |
| 0.262 (12/12/2023) | 0.11 (3/12/2013) | (0.262 - 0.11)/(44 - 1) | 0.00353488 |
| 0.264 (1/10/2024) | 0.11 (3/12/2013) | (0.264 - 0.11)/(45 - 1) | 0.0035 |
| 0.112 (5/21/2024) | 0.11 (3/12/2013) | (0.112 - 0.11)/(46 - 1) | 4.44444e-05 |
| 0.0871 (9/16/2024) | 0.11 (3/12/2013) | (0.0871 - 0.11)/(47 - 1) | -0.000497826 |
| 0.282 (12/11/2024) | 0.11 (3/12/2013) | (0.282 - 0.11)/(48 - 1) | 0.00365957 |
| 0.106 (2/18/2025) | 0.11 (3/12/2013) | (0.106 - 0.11)/(49 - 1) | -8.33333e-05 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.26 (12/10/2013) | ND<0.1 U (5/8/2013) | (0.26 - 0.1)/(4 - 2) | 0.08 |
| 0.13 (2/6/2014) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(5 - 2) | 0.01 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| 0.11 (9/30/2014) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(7 - 2) | 0.002 |
| 0.29 (11/19/2014) | ND<0.1 U (5/8/2013) | (0.29 - 0.1)/(8 - 2) | 0.0316667 |
| 0.1 (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| 0.14 (9/30/2015) | ND<0.1 U (5/8/2013) | (0.14 - 0.1)/(11 - 2) | 0.00444444 |
| 0.13 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.13 - 0.1)/(12 - 2) | 0.003 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| 0.25 (6/29/2016) | ND<0.1 U (5/8/2013) | (0.25 - 0.1)/(14 - 2) | 0.0125 |
| 0.15 (8/9/2016) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(15 - 2) | 0.00384615 |
| 0.27 (12/7/2016) | ND<0.1 U (5/8/2013) | (0.27 - 0.1)/(16 - 2) | 0.0121429 |
| 0.21 (3/2/2017) | ND<0.1 U (5/8/2013) | (0.21 - 0.1)/(17 - 2) | 0.00733333 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| 0.11 (8/16/2017) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(19 - 2) | 0.000588235 |
| 0.15 (10/25/2017) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(20 - 2) | 0.00277778 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| 0.24 (6/29/2018) | ND<0.1 U (5/8/2013) | (0.24 - 0.1)/(22 - 2) | 0.007 |
| 0.14 (8/2/2018) | ND<0.1 U (5/8/2013) | (0.14 - 0.1)/(23 - 2) | 0.00190476 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(24 - 2) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (5/8/2013) | (0.161 - 0.1)/(27 - 2) | 0.00244 |
| 0.134 (10/29/2019) | ND<0.1 U (5/8/2013) | (0.134 - 0.1)/(28 - 2) | 0.00130769 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(29 - 2) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (5/8/2013) | (0.129 - 0.1)/(30 - 2) | 0.00103571 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (5/8/2013) | (0.112 - 0.1)/(33 - 2) | 0.000387097 |
| 0.1 U (5/5/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (5/8/2013) | (0.218 - 0.1)/(35 - 2) | 0.00357576 |
| 0.165 (11/23/2021) | ND<0.1 U (5/8/2013) | (0.165 - 0.1)/(36 - 2) | 0.00191176 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (5/8/2013) | (0.255 - 0.1)/(38 - 2) | 0.00430556 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (5/8/2013) | (0.0961 - 0.1)/(42 - 2) | -9.75e-05 |
| 0.17 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.17 - 0.1)/(43 - 2) | 0.00170732 |
| 0.262 (12/12/2023) | ND<0.1 U (5/8/2013) | (0.262 - 0.1)/(44 - 2) | 0.00385714 |
| 0.264 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.264 - 0.1)/(45 - 2) | 0.00381395 |
| 0.112 (5/21/2024) | ND<0.1 U (5/8/2013) | (0.112 - 0.1)/(46 - 2) | 0.000272727 |
| 0.0871 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.0871 - 0.1)/(47 - 2) | -0.000286667 |
| 0.282 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.282 - 0.1)/(48 - 2) | 0.00395652 |
| 0.106 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.106 - 0.1)/(49 - 2) | 0.00012766 |
| | | | |
| 0.26 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.26 - 0.1)/(4 - 3) | 0.16 |
| 0.13 (2/6/2014) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(5 - 3) | 0.015 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| 0.11 (9/30/2014) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(7 - 3) | 0.0025 |
| 0.29 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.29 - 0.1)/(8 - 3) | 0.038 |
| 0.1 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| 0.14 (9/30/2015) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(11 - 3) | 0.005 |

| | | | |
|---|---|---|---|
| 0.13 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(12 - 3) | 0.00333333 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| 0.25 (6/29/2016) | ND<0.1 U (9/23/2013) | (0.25 - 0.1)/(14 - 3) | 0.0136364 |
| 0.15 (8/9/2016) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(15 - 3) | 0.00416667 |
| 0.27 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.27 - 0.1)/(16 - 3) | 0.0130769 |
| 0.21 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.21 - 0.1)/(17 - 3) | 0.00785714 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| 0.11 (8/16/2017) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(19 - 3) | 0.000625 |
| 0.15 (10/25/2017) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(20 - 3) | 0.00294118 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| 0.24 (6/29/2018) | ND<0.1 U (9/23/2013) | (0.24 - 0.1)/(22 - 3) | 0.00736842 |
| 0.14 (8/2/2018) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(23 - 3) | 0.002 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (9/23/2013) | (0.161 - 0.1)/(27 - 3) | 0.00254167 |
| 0.134 (10/29/2019) | ND<0.1 U (9/23/2013) | (0.134 - 0.1)/(28 - 3) | 0.00136 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(29 - 3) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (9/23/2013) | (0.129 - 0.1)/(30 - 3) | 0.00107407 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (9/23/2013) | (0.112 - 0.1)/(33 - 3) | 0.0004 |
| 0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.218 - 0.1)/(35 - 3) | 0.0036875 |
| 0.165 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.165 - 0.1)/(36 - 3) | 0.0019697 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (9/23/2013) | (0.255 - 0.1)/(38 - 3) | 0.00442857 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (9/23/2013) | (0.0961 - 0.1)/(42 - 3) | -0.0001 |
| 0.17 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.17 - 0.1)/(43 - 3) | 0.00175 |
| 0.262 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.262 - 0.1)/(44 - 3) | 0.00395122 |
| 0.264 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.264 - 0.1)/(45 - 3) | 0.00390476 |
| 0.112 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.112 - 0.1)/(46 - 3) | 0.00027907 |
| 0.0871 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.0871 - 0.1)/(47 - 3) | -0.000293182 |
| 0.282 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.282 - 0.1)/(48 - 3) | 0.00404444 |
| 0.106 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.106 - 0.1)/(49 - 3) | 0.000130435 |
| | | | |
| 0.13 (2/6/2014) | 0.26 (12/10/2013) | (0.13 - 0.26)/(5 - 4) | -0.13 |
| ND<0.1 U (6/26/2014) | 0.26 (12/10/2013) | (0.1 - 0.26)/(6 - 4) | -0.08 |
| 0.11 (9/30/2014) | 0.26 (12/10/2013) | (0.11 - 0.26)/(7 - 4) | -0.05 |
| 0.29 (11/19/2014) | 0.26 (12/10/2013) | (0.29 - 0.26)/(8 - 4) | 0.0075 |
| 0.1 (3/23/2015) | 0.26 (12/10/2013) | (0.1 - 0.26)/(9 - 4) | -0.032 |
| ND<0.1 U (4/22/2015) | 0.26 (12/10/2013) | (0.1 - 0.26)/(10 - 4) | -0.0266667 |
| 0.14 (9/30/2015) | 0.26 (12/10/2013) | (0.14 - 0.26)/(11 - 4) | -0.0171429 |
| 0.13 (11/19/2015) | 0.26 (12/10/2013) | (0.13 - 0.26)/(12 - 4) | -0.01625 |
| ND<0.1 U (3/15/2016) | 0.26 (12/10/2013) | (0.1 - 0.26)/(13 - 4) | -0.0177778 |
| 0.25 (6/29/2016) | 0.26 (12/10/2013) | (0.25 - 0.26)/(14 - 4) | -0.001 |
| 0.15 (8/9/2016) | 0.26 (12/10/2013) | (0.15 - 0.26)/(15 - 4) | -0.01 |
| 0.27 (12/7/2016) | 0.26 (12/10/2013) | (0.27 - 0.26)/(16 - 4) | 0.000833333 |
| 0.21 (3/2/2017) | 0.26 (12/10/2013) | (0.21 - 0.26)/(17 - 4) | -0.00384615 |
| ND<0.1 U (6/29/2017) | 0.26 (12/10/2013) | (0.1 - 0.26)/(18 - 4) | -0.0114286 |
| 0.11 (8/16/2017) | 0.26 (12/10/2013) | (0.11 - 0.26)/(19 - 4) | -0.01 |
| 0.15 (10/25/2017) | 0.26 (12/10/2013) | (0.15 - 0.26)/(20 - 4) | -0.006875 |
| ND<0.1 U (3/28/2018) | 0.26 (12/10/2013) | (0.1 - 0.26)/(21 - 4) | -0.00941176 |
| 0.24 (6/29/2018) | 0.26 (12/10/2013) | (0.24 - 0.26)/(22 - 4) | -0.00111111 |

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|---|---|---|---|
| 0.14 (8/2/2018) | 0.26 (12/10/2013) | (0.14 - 0.26)/(23 - 4) | -0.00631579 |
| ND<0.1 U (12/10/2018) | 0.26 (12/10/2013) | (0.1 - 0.26)/(24 - 4) | -0.008 |
| ND<0.1 U (4/15/2019) | 0.26 (12/10/2013) | (0.1 - 0.26)/(25 - 4) | -0.00761905 |
| ND<0.1 U (6/12/2019) | 0.26 (12/10/2013) | (0.1 - 0.26)/(26 - 4) | -0.00727273 |
| 0.161 (8/27/2019) | 0.26 (12/10/2013) | (0.161 - 0.26)/(27 - 4) | -0.00430435 |
| 0.134 (10/29/2019) | 0.26 (12/10/2013) | (0.134 - 0.26)/(28 - 4) | -0.00525 |
| ND<0.1 U (3/30/2020) | 0.26 (12/10/2013) | (0.1 - 0.26)/(29 - 4) | -0.0064 |
| 0.129 (6/16/2020) | 0.26 (12/10/2013) | (0.129 - 0.26)/(30 - 4) | -0.00503846 |
| ND<0.1 U (9/21/2020) | 0.26 (12/10/2013) | (0.1 - 0.26)/(31 - 4) | -0.00592593 |
| ND<0.1 U (12/17/2020) | 0.26 (12/10/2013) | (0.1 - 0.26)/(32 - 4) | -0.00571429 |
| 0.112 (3/18/2021) | 0.26 (12/10/2013) | (0.112 - 0.26)/(33 - 4) | -0.00510345 |
| 0.1 U (5/5/2021) | 0.26 (12/10/2013) | (0.1 - 0.26)/(34 - 4) | -0.00533333 |
| 0.218 (9/2/2021) | 0.26 (12/10/2013) | (0.218 - 0.26)/(35 - 4) | -0.00135484 |
| 0.165 (11/23/2021) | 0.26 (12/10/2013) | (0.165 - 0.26)/(36 - 4) | -0.00296875 |
| ND<0.1 U (1/11/2022) | 0.26 (12/10/2013) | (0.1 - 0.26)/(37 - 4) | -0.00484848 |
| 0.255 (4/7/2022) | 0.26 (12/10/2013) | (0.255 - 0.26)/(38 - 4) | -0.000147059 |
| ND<0.1 U (8/2/2022) | 0.26 (12/10/2013) | (0.1 - 0.26)/(39 - 4) | -0.00457143 |
| 0.1 U (11/16/2022) | 0.26 (12/10/2013) | (0.1 - 0.26)/(40 - 4) | -0.00444444 |
| ND<0.1 U (2/14/2023) | 0.26 (12/10/2013) | (0.1 - 0.26)/(41 - 4) | -0.00432432 |
| 0.0961 (5/25/2023) | 0.26 (12/10/2013) | (0.0961 - 0.26)/(42 - 4) | -0.00431316 |
| 0.17 (8/7/2023) | 0.26 (12/10/2013) | (0.17 - 0.26)/(43 - 4) | -0.00230769 |
| 0.262 (12/12/2023) | 0.26 (12/10/2013) | (0.262 - 0.26)/(44 - 4) | 5e-05 |
| 0.264 (1/10/2024) | 0.26 (12/10/2013) | (0.264 - 0.26)/(45 - 4) | 9.7561e-05 |
| 0.112 (5/21/2024) | 0.26 (12/10/2013) | (0.112 - 0.26)/(46 - 4) | -0.00352381 |
| 0.0871 (9/16/2024) | 0.26 (12/10/2013) | (0.0871 - 0.26)/(47 - 4) | -0.00402093 |
| 0.282 (12/11/2024) | 0.26 (12/10/2013) | (0.282 - 0.26)/(48 - 4) | 0.0005 |
| 0.106 (2/18/2025) | 0.26 (12/10/2013) | (0.106 - 0.26)/(49 - 4) | -0.00342222 |

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|---|---|---|---|
| ND<0.1 U (6/26/2014) | 0.13 (2/6/2014) | (0.1 - 0.13)/(6 - 5) | -0.03 |
| 0.11 (9/30/2014) | 0.13 (2/6/2014) | (0.11 - 0.13)/(7 - 5) | -0.01 |
| 0.29 (11/19/2014) | 0.13 (2/6/2014) | (0.29 - 0.13)/(8 - 5) | 0.0533333 |
| 0.1 (3/23/2015) | 0.13 (2/6/2014) | (0.1 - 0.13)/(9 - 5) | -0.0075 |
| ND<0.1 U (4/22/2015) | 0.13 (2/6/2014) | (0.1 - 0.13)/(10 - 5) | -0.006 |
| 0.14 (9/30/2015) | 0.13 (2/6/2014) | (0.14 - 0.13)/(11 - 5) | 0.00166667 |
| 0.13 (11/19/2015) | 0.13 (2/6/2014) | (0.13 - 0.13)/(12 - 5) | 0 |
| ND<0.1 U (3/15/2016) | 0.13 (2/6/2014) | (0.1 - 0.13)/(13 - 5) | -0.00375 |
| 0.25 (6/29/2016) | 0.13 (2/6/2014) | (0.25 - 0.13)/(14 - 5) | 0.0133333 |
| 0.15 (8/9/2016) | 0.13 (2/6/2014) | (0.15 - 0.13)/(15 - 5) | 0.002 |
| 0.27 (12/7/2016) | 0.13 (2/6/2014) | (0.27 - 0.13)/(16 - 5) | 0.0127273 |
| 0.21 (3/2/2017) | 0.13 (2/6/2014) | (0.21 - 0.13)/(17 - 5) | 0.00666667 |
| ND<0.1 U (6/29/2017) | 0.13 (2/6/2014) | (0.1 - 0.13)/(18 - 5) | -0.00230769 |
| 0.11 (8/16/2017) | 0.13 (2/6/2014) | (0.11 - 0.13)/(19 - 5) | -0.00142857 |
| 0.15 (10/25/2017) | 0.13 (2/6/2014) | (0.15 - 0.13)/(20 - 5) | 0.00133333 |
| ND<0.1 U (3/28/2018) | 0.13 (2/6/2014) | (0.1 - 0.13)/(21 - 5) | -0.001875 |
| 0.24 (6/29/2018) | 0.13 (2/6/2014) | (0.24 - 0.13)/(22 - 5) | 0.00647059 |
| 0.14 (8/2/2018) | 0.13 (2/6/2014) | (0.14 - 0.13)/(23 - 5) | 0.000555556 |
| ND<0.1 U (12/10/2018) | 0.13 (2/6/2014) | (0.1 - 0.13)/(24 - 5) | -0.00157895 |
| ND<0.1 U (4/15/2019) | 0.13 (2/6/2014) | (0.1 - 0.13)/(25 - 5) | -0.0015 |
| ND<0.1 U (6/12/2019) | 0.13 (2/6/2014) | (0.1 - 0.13)/(26 - 5) | -0.00142857 |
| 0.161 (8/27/2019) | 0.13 (2/6/2014) | (0.161 - 0.13)/(27 - 5) | 0.00140909 |
| 0.134 (10/29/2019) | 0.13 (2/6/2014) | (0.134 - 0.13)/(28 - 5) | 0.000173913 |
| ND<0.1 U (3/30/2020) | 0.13 (2/6/2014) | (0.1 - 0.13)/(29 - 5) | -0.00125 |
| 0.129 (6/16/2020) | 0.13 (2/6/2014) | (0.129 - 0.13)/(30 - 5) | -4e-05 |
| ND<0.1 U (9/21/2020) | 0.13 (2/6/2014) | (0.1 - 0.13)/(31 - 5) | -0.00115385 |
| ND<0.1 U (12/17/2020) | 0.13 (2/6/2014) | (0.1 - 0.13)/(32 - 5) | -0.00111111 |
| 0.112 (3/18/2021) | 0.13 (2/6/2014) | (0.112 - 0.13)/(33 - 5) | -0.000642857 |
| 0.1 U (5/5/2021) | 0.13 (2/6/2014) | (0.1 - 0.13)/(34 - 5) | -0.00103448 |

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|---|---|---|---|
| 0.218 (9/2/2021) | 0.13 (2/6/2014) | (0.218 - 0.13)/(35 - 5) | 0.00293333 |
| 0.165 (11/23/2021) | 0.13 (2/6/2014) | (0.165 - 0.13)/(36 - 5) | 0.00112903 |
| ND<0.1 U (1/11/2022) | 0.13 (2/6/2014) | (0.1 - 0.13)/(37 - 5) | -0.0009375 |
| 0.255 (4/7/2022) | 0.13 (2/6/2014) | (0.255 - 0.13)/(38 - 5) | 0.00378788 |
| ND<0.1 U (8/2/2022) | 0.13 (2/6/2014) | (0.1 - 0.13)/(39 - 5) | -0.000882353 |
| 0.1 U (11/16/2022) | 0.13 (2/6/2014) | (0.1 - 0.13)/(40 - 5) | -0.000857143 |
| ND<0.1 U (2/14/2023) | 0.13 (2/6/2014) | (0.1 - 0.13)/(41 - 5) | -0.000833333 |
| 0.0961 (5/25/2023) | 0.13 (2/6/2014) | (0.0961 - 0.13)/(42 - 5) | -0.000916216 |
| 0.17 (8/7/2023) | 0.13 (2/6/2014) | (0.17 - 0.13)/(43 - 5) | 0.00105263 |
| 0.262 (12/12/2023) | 0.13 (2/6/2014) | (0.262 - 0.13)/(44 - 5) | 0.00338462 |
| 0.264 (1/10/2024) | 0.13 (2/6/2014) | (0.264 - 0.13)/(45 - 5) | 0.00335 |
| 0.112 (5/21/2024) | 0.13 (2/6/2014) | (0.112 - 0.13)/(46 - 5) | -0.000439024 |
| 0.0871 (9/16/2024) | 0.13 (2/6/2014) | (0.0871 - 0.13)/(47 - 5) | -0.00102143 |
| 0.282 (12/11/2024) | 0.13 (2/6/2014) | (0.282 - 0.13)/(48 - 5) | 0.00353488 |
| 0.106 (2/18/2025) | 0.13 (2/6/2014) | (0.106 - 0.13)/(49 - 5) | -0.000545455 |
| | | | |
| 0.11 (9/30/2014) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(7 - 6) | 0.01 |
| 0.29 (11/19/2014) | ND<0.1 U (6/26/2014) | (0.29 - 0.1)/(8 - 6) | 0.095 |
| 0.1 (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |
| 0.14 (9/30/2015) | ND<0.1 U (6/26/2014) | (0.14 - 0.1)/(11 - 6) | 0.008 |
| 0.13 (11/19/2015) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(12 - 6) | 0.005 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(13 - 6) | 0 |
| 0.25 (6/29/2016) | ND<0.1 U (6/26/2014) | (0.25 - 0.1)/(14 - 6) | 0.01875 |
| 0.15 (8/9/2016) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(15 - 6) | 0.00555556 |
| 0.27 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.27 - 0.1)/(16 - 6) | 0.017 |
| 0.21 (3/2/2017) | ND<0.1 U (6/26/2014) | (0.21 - 0.1)/(17 - 6) | 0.01 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| 0.11 (8/16/2017) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(19 - 6) | 0.000769231 |
| 0.15 (10/25/2017) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(20 - 6) | 0.00357143 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(21 - 6) | 0 |
| 0.24 (6/29/2018) | ND<0.1 U (6/26/2014) | (0.24 - 0.1)/(22 - 6) | 0.00875 |
| 0.14 (8/2/2018) | ND<0.1 U (6/26/2014) | (0.14 - 0.1)/(23 - 6) | 0.00235294 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(24 - 6) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (6/26/2014) | (0.161 - 0.1)/(27 - 6) | 0.00290476 |
| 0.134 (10/29/2019) | ND<0.1 U (6/26/2014) | (0.134 - 0.1)/(28 - 6) | 0.00154545 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(29 - 6) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (6/26/2014) | (0.129 - 0.1)/(30 - 6) | 0.00120833 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (6/26/2014) | (0.112 - 0.1)/(33 - 6) | 0.000444444 |
| 0.1 U (5/5/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.218 - 0.1)/(35 - 6) | 0.00406897 |
| 0.165 (11/23/2021) | ND<0.1 U (6/26/2014) | (0.165 - 0.1)/(36 - 6) | 0.00216667 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(37 - 6) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (6/26/2014) | (0.255 - 0.1)/(38 - 6) | 0.00484375 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(41 - 6) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (6/26/2014) | (0.0961 - 0.1)/(42 - 6) | -0.000108333 |
| 0.17 (8/7/2023) | ND<0.1 U (6/26/2014) | (0.17 - 0.1)/(43 - 6) | 0.00189189 |
| 0.262 (12/12/2023) | ND<0.1 U (6/26/2014) | (0.262 - 0.1)/(44 - 6) | 0.00426316 |
| 0.264 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.264 - 0.1)/(45 - 6) | 0.00420513 |
| 0.112 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.112 - 0.1)/(46 - 6) | 0.0003 |
| 0.0871 (9/16/2024) | ND<0.1 U (6/26/2014) | (0.0871 - 0.1)/(47 - 6) | -0.000314634 |

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|---|---|---|---|
| 0.282 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.282 - 0.1)/(48 - 6) | 0.00433333 |
| 0.106 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.106 - 0.1)/(49 - 6) | 0.000139535 |
| | | | |
| 0.29 (11/19/2014) | 0.11 (9/30/2014) | (0.29 - 0.11)/(8 - 7) | 0.18 |
| 0.1 (3/23/2015) | 0.11 (9/30/2014) | (0.1 - 0.11)/(9 - 7) | -0.005 |
| ND<0.1 U (4/22/2015) | 0.11 (9/30/2014) | (0.1 - 0.11)/(10 - 7) | -0.00333333 |
| 0.14 (9/30/2015) | 0.11 (9/30/2014) | (0.14 - 0.11)/(11 - 7) | 0.0075 |
| 0.13 (11/19/2015) | 0.11 (9/30/2014) | (0.13 - 0.11)/(12 - 7) | 0.004 |
| ND<0.1 U (3/15/2016) | 0.11 (9/30/2014) | (0.1 - 0.11)/(13 - 7) | -0.00166667 |
| 0.25 (6/29/2016) | 0.11 (9/30/2014) | (0.25 - 0.11)/(14 - 7) | 0.02 |
| 0.15 (8/9/2016) | 0.11 (9/30/2014) | (0.15 - 0.11)/(15 - 7) | 0.005 |
| 0.27 (12/7/2016) | 0.11 (9/30/2014) | (0.27 - 0.11)/(16 - 7) | 0.0177778 |
| 0.21 (3/2/2017) | 0.11 (9/30/2014) | (0.21 - 0.11)/(17 - 7) | 0.01 |
| ND<0.1 U (6/29/2017) | 0.11 (9/30/2014) | (0.1 - 0.11)/(18 - 7) | -0.000909091 |
| 0.11 (8/16/2017) | 0.11 (9/30/2014) | (0.11 - 0.11)/(19 - 7) | 0 |
| 0.15 (10/25/2017) | 0.11 (9/30/2014) | (0.15 - 0.11)/(20 - 7) | 0.00307692 |
| ND<0.1 U (3/28/2018) | 0.11 (9/30/2014) | (0.1 - 0.11)/(21 - 7) | -0.000714286 |
| 0.24 (6/29/2018) | 0.11 (9/30/2014) | (0.24 - 0.11)/(22 - 7) | 0.00866667 |
| 0.14 (8/2/2018) | 0.11 (9/30/2014) | (0.14 - 0.11)/(23 - 7) | 0.001875 |
| ND<0.1 U (12/10/2018) | 0.11 (9/30/2014) | (0.1 - 0.11)/(24 - 7) | -0.000588235 |
| ND<0.1 U (4/15/2019) | 0.11 (9/30/2014) | (0.1 - 0.11)/(25 - 7) | -0.000555556 |
| ND<0.1 U (6/12/2019) | 0.11 (9/30/2014) | (0.1 - 0.11)/(26 - 7) | -0.000526316 |
| 0.161 (8/27/2019) | 0.11 (9/30/2014) | (0.161 - 0.11)/(27 - 7) | 0.00255 |
| 0.134 (10/29/2019) | 0.11 (9/30/2014) | (0.134 - 0.11)/(28 - 7) | 0.00114286 |
| ND<0.1 U (3/30/2020) | 0.11 (9/30/2014) | (0.1 - 0.11)/(29 - 7) | -0.000454545 |
| 0.129 (6/16/2020) | 0.11 (9/30/2014) | (0.129 - 0.11)/(30 - 7) | 0.000826087 |
| ND<0.1 U (9/21/2020) | 0.11 (9/30/2014) | (0.1 - 0.11)/(31 - 7) | -0.000416667 |
| ND<0.1 U (12/17/2020) | 0.11 (9/30/2014) | (0.1 - 0.11)/(32 - 7) | -0.0004 |
| 0.112 (3/18/2021) | 0.11 (9/30/2014) | (0.112 - 0.11)/(33 - 7) | 7.69231e-05 |
| 0.1 U (5/5/2021) | 0.11 (9/30/2014) | (0.1 - 0.11)/(34 - 7) | -0.00037037 |
| 0.218 (9/2/2021) | 0.11 (9/30/2014) | (0.218 - 0.11)/(35 - 7) | 0.00385714 |
| 0.165 (11/23/2021) | 0.11 (9/30/2014) | (0.165 - 0.11)/(36 - 7) | 0.00189655 |
| ND<0.1 U (1/11/2022) | 0.11 (9/30/2014) | (0.1 - 0.11)/(37 - 7) | -0.000333333 |
| 0.255 (4/7/2022) | 0.11 (9/30/2014) | (0.255 - 0.11)/(38 - 7) | 0.00467742 |
| ND<0.1 U (8/2/2022) | 0.11 (9/30/2014) | (0.1 - 0.11)/(39 - 7) | -0.0003125 |
| 0.1 U (11/16/2022) | 0.11 (9/30/2014) | (0.1 - 0.11)/(40 - 7) | -0.00030303 |
| ND<0.1 U (2/14/2023) | 0.11 (9/30/2014) | (0.1 - 0.11)/(41 - 7) | -0.000294118 |
| 0.0961 (5/25/2023) | 0.11 (9/30/2014) | (0.0961 - 0.11)/(42 - 7) | -0.000397143 |
| 0.17 (8/7/2023) | 0.11 (9/30/2014) | (0.17 - 0.11)/(43 - 7) | 0.00166667 |
| 0.262 (12/12/2023) | 0.11 (9/30/2014) | (0.262 - 0.11)/(44 - 7) | 0.00410811 |
| 0.264 (1/10/2024) | 0.11 (9/30/2014) | (0.264 - 0.11)/(45 - 7) | 0.00405263 |
| 0.112 (5/21/2024) | 0.11 (9/30/2014) | (0.112 - 0.11)/(46 - 7) | 5.12821e-05 |
| 0.0871 (9/16/2024) | 0.11 (9/30/2014) | (0.0871 - 0.11)/(47 - 7) | -0.0005725 |
| 0.282 (12/11/2024) | 0.11 (9/30/2014) | (0.282 - 0.11)/(48 - 7) | 0.00419512 |
| 0.106 (2/18/2025) | 0.11 (9/30/2014) | (0.106 - 0.11)/(49 - 7) | -9.52381e-05 |
| | | | |
| 0.1 (3/23/2015) | 0.29 (11/19/2014) | (0.1 - 0.29)/(9 - 8) | -0.19 |
| ND<0.1 U (4/22/2015) | 0.29 (11/19/2014) | (0.1 - 0.29)/(10 - 8) | -0.095 |
| 0.14 (9/30/2015) | 0.29 (11/19/2014) | (0.14 - 0.29)/(11 - 8) | -0.05 |
| 0.13 (11/19/2015) | 0.29 (11/19/2014) | (0.13 - 0.29)/(12 - 8) | -0.04 |
| ND<0.1 U (3/15/2016) | 0.29 (11/19/2014) | (0.1 - 0.29)/(13 - 8) | -0.038 |
| 0.25 (6/29/2016) | 0.29 (11/19/2014) | (0.25 - 0.29)/(14 - 8) | -0.00666667 |
| 0.15 (8/9/2016) | 0.29 (11/19/2014) | (0.15 - 0.29)/(15 - 8) | -0.02 |
| 0.27 (12/7/2016) | 0.29 (11/19/2014) | (0.27 - 0.29)/(16 - 8) | -0.0025 |
| 0.21 (3/2/2017) | 0.29 (11/19/2014) | (0.21 - 0.29)/(17 - 8) | -0.00888889 |
| ND<0.1 U (6/29/2017) | 0.29 (11/19/2014) | (0.1 - 0.29)/(18 - 8) | -0.019 |
| 0.11 (8/16/2017) | 0.29 (11/19/2014) | (0.11 - 0.29)/(19 - 8) | -0.0163636 |

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|---|---|---|---|
| 0.15 (10/25/2017) | 0.29 (11/19/2014) | (0.15 - 0.29)/(20 - 8) | -0.0116667 |
| ND<0.1 U (3/28/2018) | 0.29 (11/19/2014) | (0.1 - 0.29)/(21 - 8) | -0.0146154 |
| 0.24 (6/29/2018) | 0.29 (11/19/2014) | (0.24 - 0.29)/(22 - 8) | -0.00357143 |
| 0.14 (8/2/2018) | 0.29 (11/19/2014) | (0.14 - 0.29)/(23 - 8) | -0.01 |
| ND<0.1 U (12/10/2018) | 0.29 (11/19/2014) | (0.1 - 0.29)/(24 - 8) | -0.011875 |
| ND<0.1 U (4/15/2019) | 0.29 (11/19/2014) | (0.1 - 0.29)/(25 - 8) | -0.0111765 |
| ND<0.1 U (6/12/2019) | 0.29 (11/19/2014) | (0.1 - 0.29)/(26 - 8) | -0.0105556 |
| 0.161 (8/27/2019) | 0.29 (11/19/2014) | (0.161 - 0.29)/(27 - 8) | -0.00678947 |
| 0.134 (10/29/2019) | 0.29 (11/19/2014) | (0.134 - 0.29)/(28 - 8) | -0.0078 |
| ND<0.1 U (3/30/2020) | 0.29 (11/19/2014) | (0.1 - 0.29)/(29 - 8) | -0.00904762 |
| 0.129 (6/16/2020) | 0.29 (11/19/2014) | (0.129 - 0.29)/(30 - 8) | -0.00731818 |
| ND<0.1 U (9/21/2020) | 0.29 (11/19/2014) | (0.1 - 0.29)/(31 - 8) | -0.00826087 |
| ND<0.1 U (12/17/2020) | 0.29 (11/19/2014) | (0.1 - 0.29)/(32 - 8) | -0.00791667 |
| 0.112 (3/18/2021) | 0.29 (11/19/2014) | (0.112 - 0.29)/(33 - 8) | -0.00712 |
| 0.1 U (5/5/2021) | 0.29 (11/19/2014) | (0.1 - 0.29)/(34 - 8) | -0.00730769 |
| 0.218 (9/2/2021) | 0.29 (11/19/2014) | (0.218 - 0.29)/(35 - 8) | -0.00266667 |
| 0.165 (11/23/2021) | 0.29 (11/19/2014) | (0.165 - 0.29)/(36 - 8) | -0.00446429 |
| ND<0.1 U (1/11/2022) | 0.29 (11/19/2014) | (0.1 - 0.29)/(37 - 8) | -0.00655172 |
| 0.255 (4/7/2022) | 0.29 (11/19/2014) | (0.255 - 0.29)/(38 - 8) | -0.00116667 |
| ND<0.1 U (8/2/2022) | 0.29 (11/19/2014) | (0.1 - 0.29)/(39 - 8) | -0.00612903 |
| 0.1 U (11/16/2022) | 0.29 (11/19/2014) | (0.1 - 0.29)/(40 - 8) | -0.0059375 |
| ND<0.1 U (2/14/2023) | 0.29 (11/19/2014) | (0.1 - 0.29)/(41 - 8) | -0.00575758 |
| 0.0961 (5/25/2023) | 0.29 (11/19/2014) | (0.0961 - 0.29)/(42 - 8) | -0.00570294 |
| 0.17 (8/7/2023) | 0.29 (11/19/2014) | (0.17 - 0.29)/(43 - 8) | -0.00342857 |
| 0.262 (12/12/2023) | 0.29 (11/19/2014) | (0.262 - 0.29)/(44 - 8) | -0.000777778 |
| 0.264 (1/10/2024) | 0.29 (11/19/2014) | (0.264 - 0.29)/(45 - 8) | -0.000702703 |
| 0.112 (5/21/2024) | 0.29 (11/19/2014) | (0.112 - 0.29)/(46 - 8) | -0.00468421 |
| 0.0871 (9/16/2024) | 0.29 (11/19/2014) | (0.0871 - 0.29)/(47 - 8) | -0.00520256 |
| 0.282 (12/11/2024) | 0.29 (11/19/2014) | (0.282 - 0.29)/(48 - 8) | -0.0002 |
| 0.106 (2/18/2025) | 0.29 (11/19/2014) | (0.106 - 0.29)/(49 - 8) | -0.0044878 |

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|---|---|---|---|
| ND<0.1 U (4/22/2015) | 0.1 (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| 0.14 (9/30/2015) | 0.1 (3/23/2015) | (0.14 - 0.1)/(11 - 9) | 0.02 |
| 0.13 (11/19/2015) | 0.1 (3/23/2015) | (0.13 - 0.1)/(12 - 9) | 0.01 |
| ND<0.1 U (3/15/2016) | 0.1 (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| 0.25 (6/29/2016) | 0.1 (3/23/2015) | (0.25 - 0.1)/(14 - 9) | 0.03 |
| 0.15 (8/9/2016) | 0.1 (3/23/2015) | (0.15 - 0.1)/(15 - 9) | 0.00833333 |
| 0.27 (12/7/2016) | 0.1 (3/23/2015) | (0.27 - 0.1)/(16 - 9) | 0.0242857 |
| 0.21 (3/2/2017) | 0.1 (3/23/2015) | (0.21 - 0.1)/(17 - 9) | 0.01375 |
| ND<0.1 U (6/29/2017) | 0.1 (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| 0.11 (8/16/2017) | 0.1 (3/23/2015) | (0.11 - 0.1)/(19 - 9) | 0.001 |
| 0.15 (10/25/2017) | 0.1 (3/23/2015) | (0.15 - 0.1)/(20 - 9) | 0.00454545 |
| ND<0.1 U (3/28/2018) | 0.1 (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| 0.24 (6/29/2018) | 0.1 (3/23/2015) | (0.24 - 0.1)/(22 - 9) | 0.0107692 |
| 0.14 (8/2/2018) | 0.1 (3/23/2015) | (0.14 - 0.1)/(23 - 9) | 0.00285714 |
| ND<0.1 U (12/10/2018) | 0.1 (3/23/2015) | (0.1 - 0.1)/(24 - 9) | 0 |
| ND<0.1 U (4/15/2019) | 0.1 (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/12/2019) | 0.1 (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| 0.161 (8/27/2019) | 0.1 (3/23/2015) | (0.161 - 0.1)/(27 - 9) | 0.00338889 |
| 0.134 (10/29/2019) | 0.1 (3/23/2015) | (0.134 - 0.1)/(28 - 9) | 0.00178947 |
| ND<0.1 U (3/30/2020) | 0.1 (3/23/2015) | (0.1 - 0.1)/(29 - 9) | 0 |
| 0.129 (6/16/2020) | 0.1 (3/23/2015) | (0.129 - 0.1)/(30 - 9) | 0.00138095 |
| ND<0.1 U (9/21/2020) | 0.1 (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| ND<0.1 U (12/17/2020) | 0.1 (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| 0.112 (3/18/2021) | 0.1 (3/23/2015) | (0.112 - 0.1)/(33 - 9) | 0.0005 |
| 0.1 U (5/5/2021) | 0.1 (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| 0.218 (9/2/2021) | 0.1 (3/23/2015) | (0.218 - 0.1)/(35 - 9) | 0.00453846 |

| | | | |
|---|---|---|---|
| 0.165 (11/23/2021) | 0.1 (3/23/2015) | (0.165 - 0.1)/(36 - 9) | 0.00240741 |
| ND<0.1 U (1/11/2022) | 0.1 (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| 0.255 (4/7/2022) | 0.1 (3/23/2015) | (0.255 - 0.1)/(38 - 9) | 0.00534483 |
| ND<0.1 U (8/2/2022) | 0.1 (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| 0.1 U (11/16/2022) | 0.1 (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/14/2023) | 0.1 (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.0961 (5/25/2023) | 0.1 (3/23/2015) | (0.0961 - 0.1)/(42 - 9) | -0.000118182 |
| 0.17 (8/7/2023) | 0.1 (3/23/2015) | (0.17 - 0.1)/(43 - 9) | 0.00205882 |
| 0.262 (12/12/2023) | 0.1 (3/23/2015) | (0.262 - 0.1)/(44 - 9) | 0.00462857 |
| 0.264 (1/10/2024) | 0.1 (3/23/2015) | (0.264 - 0.1)/(45 - 9) | 0.00455556 |
| 0.112 (5/21/2024) | 0.1 (3/23/2015) | (0.112 - 0.1)/(46 - 9) | 0.000324324 |
| 0.0871 (9/16/2024) | 0.1 (3/23/2015) | (0.0871 - 0.1)/(47 - 9) | -0.000339474 |
| 0.282 (12/11/2024) | 0.1 (3/23/2015) | (0.282 - 0.1)/(48 - 9) | 0.00466667 |
| 0.106 (2/18/2025) | 0.1 (3/23/2015) | (0.106 - 0.1)/(49 - 9) | 0.00015 |
| | | | |
| 0.14 (9/30/2015) | ND<0.1 U (4/22/2015) | (0.14 - 0.1)/(11 - 10) | 0.04 |
| 0.13 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(12 - 10) | 0.015 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| 0.25 (6/29/2016) | ND<0.1 U (4/22/2015) | (0.25 - 0.1)/(14 - 10) | 0.0375 |
| 0.15 (8/9/2016) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(15 - 10) | 0.01 |
| 0.27 (12/7/2016) | ND<0.1 U (4/22/2015) | (0.27 - 0.1)/(16 - 10) | 0.0283333 |
| 0.21 (3/2/2017) | ND<0.1 U (4/22/2015) | (0.21 - 0.1)/(17 - 10) | 0.0157143 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| 0.11 (8/16/2017) | ND<0.1 U (4/22/2015) | (0.11 - 0.1)/(19 - 10) | 0.00111111 |
| 0.15 (10/25/2017) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(20 - 10) | 0.005 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| 0.24 (6/29/2018) | ND<0.1 U (4/22/2015) | (0.24 - 0.1)/(22 - 10) | 0.0116667 |
| 0.14 (8/2/2018) | ND<0.1 U (4/22/2015) | (0.14 - 0.1)/(23 - 10) | 0.00307692 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(24 - 10) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (4/22/2015) | (0.161 - 0.1)/(27 - 10) | 0.00358824 |
| 0.134 (10/29/2019) | ND<0.1 U (4/22/2015) | (0.134 - 0.1)/(28 - 10) | 0.00188889 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(29 - 10) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (4/22/2015) | (0.129 - 0.1)/(30 - 10) | 0.00145 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (4/22/2015) | (0.112 - 0.1)/(33 - 10) | 0.000521739 |
| 0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (4/22/2015) | (0.218 - 0.1)/(35 - 10) | 0.00472 |
| 0.165 (11/23/2021) | ND<0.1 U (4/22/2015) | (0.165 - 0.1)/(36 - 10) | 0.0025 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (4/22/2015) | (0.255 - 0.1)/(38 - 10) | 0.00553571 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (4/22/2015) | (0.0961 - 0.1)/(42 - 10) | -0.000121875 |
| 0.17 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.17 - 0.1)/(43 - 10) | 0.00212121 |
| 0.262 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.262 - 0.1)/(44 - 10) | 0.00476471 |
| 0.264 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.264 - 0.1)/(45 - 10) | 0.00468571 |
| 0.112 (5/21/2024) | ND<0.1 U (4/22/2015) | (0.112 - 0.1)/(46 - 10) | 0.000333333 |
| 0.0871 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.0871 - 0.1)/(47 - 10) | -0.000348649 |
| 0.282 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.282 - 0.1)/(48 - 10) | 0.00478947 |
| 0.106 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.106 - 0.1)/(49 - 10) | 0.000153846 |
| | | | |
| 0.13 (11/19/2015) | 0.14 (9/30/2015) | (0.13 - 0.14)/(12 - 11) | -0.01 |
| ND<0.1 U (3/15/2016) | 0.14 (9/30/2015) | (0.1 - 0.14)/(13 - 11) | -0.02 |

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|---|---|---|---|
| 0.25 (6/29/2016) | 0.14 (9/30/2015) | (0.25 - 0.14)/(14 - 11) | 0.0366667 |
| 0.15 (8/9/2016) | 0.14 (9/30/2015) | (0.15 - 0.14)/(15 - 11) | 0.0025 |
| 0.27 (12/7/2016) | 0.14 (9/30/2015) | (0.27 - 0.14)/(16 - 11) | 0.026 |
| 0.21 (3/2/2017) | 0.14 (9/30/2015) | (0.21 - 0.14)/(17 - 11) | 0.0116667 |
| ND<0.1 U (6/29/2017) | 0.14 (9/30/2015) | (0.1 - 0.14)/(18 - 11) | -0.00571429 |
| 0.11 (8/16/2017) | 0.14 (9/30/2015) | (0.11 - 0.14)/(19 - 11) | -0.00375 |
| 0.15 (10/25/2017) | 0.14 (9/30/2015) | (0.15 - 0.14)/(20 - 11) | 0.00111111 |
| ND<0.1 U (3/28/2018) | 0.14 (9/30/2015) | (0.1 - 0.14)/(21 - 11) | -0.004 |
| 0.24 (6/29/2018) | 0.14 (9/30/2015) | (0.24 - 0.14)/(22 - 11) | 0.00909091 |
| 0.14 (8/2/2018) | 0.14 (9/30/2015) | (0.14 - 0.14)/(23 - 11) | 0 |
| ND<0.1 U (12/10/2018) | 0.14 (9/30/2015) | (0.1 - 0.14)/(24 - 11) | -0.00307692 |
| ND<0.1 U (4/15/2019) | 0.14 (9/30/2015) | (0.1 - 0.14)/(25 - 11) | -0.00285714 |
| ND<0.1 U (6/12/2019) | 0.14 (9/30/2015) | (0.1 - 0.14)/(26 - 11) | -0.00266667 |
| 0.161 (8/27/2019) | 0.14 (9/30/2015) | (0.161 - 0.14)/(27 - 11) | 0.0013125 |
| 0.134 (10/29/2019) | 0.14 (9/30/2015) | (0.134 - 0.14)/(28 - 11) | -0.000352941 |
| ND<0.1 U (3/30/2020) | 0.14 (9/30/2015) | (0.1 - 0.14)/(29 - 11) | -0.00222222 |
| 0.129 (6/16/2020) | 0.14 (9/30/2015) | (0.129 - 0.14)/(30 - 11) | -0.000578947 |
| ND<0.1 U (9/21/2020) | 0.14 (9/30/2015) | (0.1 - 0.14)/(31 - 11) | -0.002 |
| ND<0.1 U (12/17/2020) | 0.14 (9/30/2015) | (0.1 - 0.14)/(32 - 11) | -0.00190476 |
| 0.112 (3/18/2021) | 0.14 (9/30/2015) | (0.112 - 0.14)/(33 - 11) | -0.00127273 |
| 0.1 U (5/5/2021) | 0.14 (9/30/2015) | (0.1 - 0.14)/(34 - 11) | -0.00173913 |
| 0.218 (9/2/2021) | 0.14 (9/30/2015) | (0.218 - 0.14)/(35 - 11) | 0.00325 |
| 0.165 (11/23/2021) | 0.14 (9/30/2015) | (0.165 - 0.14)/(36 - 11) | 0.001 |
| ND<0.1 U (1/11/2022) | 0.14 (9/30/2015) | (0.1 - 0.14)/(37 - 11) | -0.00153846 |
| 0.255 (4/7/2022) | 0.14 (9/30/2015) | (0.255 - 0.14)/(38 - 11) | 0.00425926 |
| ND<0.1 U (8/2/2022) | 0.14 (9/30/2015) | (0.1 - 0.14)/(39 - 11) | -0.00142857 |
| 0.1 U (11/16/2022) | 0.14 (9/30/2015) | (0.1 - 0.14)/(40 - 11) | -0.00137931 |
| ND<0.1 U (2/14/2023) | 0.14 (9/30/2015) | (0.1 - 0.14)/(41 - 11) | -0.00133333 |
| 0.0961 (5/25/2023) | 0.14 (9/30/2015) | (0.0961 - 0.14)/(42 - 11) | -0.00141613 |
| 0.17 (8/7/2023) | 0.14 (9/30/2015) | (0.17 - 0.14)/(43 - 11) | 0.0009375 |
| 0.262 (12/12/2023) | 0.14 (9/30/2015) | (0.262 - 0.14)/(44 - 11) | 0.00369697 |
| 0.264 (1/10/2024) | 0.14 (9/30/2015) | (0.264 - 0.14)/(45 - 11) | 0.00364706 |
| 0.112 (5/21/2024) | 0.14 (9/30/2015) | (0.112 - 0.14)/(46 - 11) | -0.0008 |
| 0.0871 (9/16/2024) | 0.14 (9/30/2015) | (0.0871 - 0.14)/(47 - 11) | -0.00146944 |
| 0.282 (12/11/2024) | 0.14 (9/30/2015) | (0.282 - 0.14)/(48 - 11) | 0.00383784 |
| 0.106 (2/18/2025) | 0.14 (9/30/2015) | (0.106 - 0.14)/(49 - 11) | -0.000894737 |
| | | | |
| ND<0.1 U (3/15/2016) | 0.13 (11/19/2015) | (0.1 - 0.13)/(13 - 12) | -0.03 |
| 0.25 (6/29/2016) | 0.13 (11/19/2015) | (0.25 - 0.13)/(14 - 12) | 0.06 |
| 0.15 (8/9/2016) | 0.13 (11/19/2015) | (0.15 - 0.13)/(15 - 12) | 0.00666667 |
| 0.27 (12/7/2016) | 0.13 (11/19/2015) | (0.27 - 0.13)/(16 - 12) | 0.035 |
| 0.21 (3/2/2017) | 0.13 (11/19/2015) | (0.21 - 0.13)/(17 - 12) | 0.016 |
| ND<0.1 U (6/29/2017) | 0.13 (11/19/2015) | (0.1 - 0.13)/(18 - 12) | -0.005 |
| 0.11 (8/16/2017) | 0.13 (11/19/2015) | (0.11 - 0.13)/(19 - 12) | -0.00285714 |
| 0.15 (10/25/2017) | 0.13 (11/19/2015) | (0.15 - 0.13)/(20 - 12) | 0.0025 |
| ND<0.1 U (3/28/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(21 - 12) | -0.00333333 |
| 0.24 (6/29/2018) | 0.13 (11/19/2015) | (0.24 - 0.13)/(22 - 12) | 0.011 |
| 0.14 (8/2/2018) | 0.13 (11/19/2015) | (0.14 - 0.13)/(23 - 12) | 0.000909091 |
| ND<0.1 U (12/10/2018) | 0.13 (11/19/2015) | (0.1 - 0.13)/(24 - 12) | -0.0025 |
| ND<0.1 U (4/15/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(25 - 12) | -0.00230769 |
| ND<0.1 U (6/12/2019) | 0.13 (11/19/2015) | (0.1 - 0.13)/(26 - 12) | -0.00214286 |
| 0.161 (8/27/2019) | 0.13 (11/19/2015) | (0.161 - 0.13)/(27 - 12) | 0.00206667 |
| 0.134 (10/29/2019) | 0.13 (11/19/2015) | (0.134 - 0.13)/(28 - 12) | 0.00025 |
| ND<0.1 U (3/30/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(29 - 12) | -0.00176471 |
| 0.129 (6/16/2020) | 0.13 (11/19/2015) | (0.129 - 0.13)/(30 - 12) | -5.55556e-05 |
| ND<0.1 U (9/21/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(31 - 12) | -0.00157895 |
| ND<0.1 U (12/17/2020) | 0.13 (11/19/2015) | (0.1 - 0.13)/(32 - 12) | -0.0015 |

| | | | |
|---|---|---|---|
| 0.112 (3/18/2021) | 0.13 (11/19/2015) | (0.112 - 0.13)/(33 - 12) | -0.000857143 |
| 0.1 U (5/5/2021) | 0.13 (11/19/2015) | (0.1 - 0.13)/(34 - 12) | -0.00136364 |
| 0.218 (9/2/2021) | 0.13 (11/19/2015) | (0.218 - 0.13)/(35 - 12) | 0.00382609 |
| 0.165 (11/23/2021) | 0.13 (11/19/2015) | (0.165 - 0.13)/(36 - 12) | 0.00145833 |
| ND<0.1 U (1/11/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(37 - 12) | -0.0012 |
| 0.255 (4/7/2022) | 0.13 (11/19/2015) | (0.255 - 0.13)/(38 - 12) | 0.00480769 |
| ND<0.1 U (8/2/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(39 - 12) | -0.00111111 |
| 0.1 U (11/16/2022) | 0.13 (11/19/2015) | (0.1 - 0.13)/(40 - 12) | -0.00107143 |
| ND<0.1 U (2/14/2023) | 0.13 (11/19/2015) | (0.1 - 0.13)/(41 - 12) | -0.00103448 |
| 0.0961 (5/25/2023) | 0.13 (11/19/2015) | (0.0961 - 0.13)/(42 - 12) | -0.00113 |
| 0.17 (8/7/2023) | 0.13 (11/19/2015) | (0.17 - 0.13)/(43 - 12) | 0.00129032 |
| 0.262 (12/12/2023) | 0.13 (11/19/2015) | (0.262 - 0.13)/(44 - 12) | 0.004125 |
| 0.264 (1/10/2024) | 0.13 (11/19/2015) | (0.264 - 0.13)/(45 - 12) | 0.00406061 |
| 0.112 (5/21/2024) | 0.13 (11/19/2015) | (0.112 - 0.13)/(46 - 12) | -0.000529412 |
| 0.0871 (9/16/2024) | 0.13 (11/19/2015) | (0.0871 - 0.13)/(47 - 12) | -0.00122571 |
| 0.282 (12/11/2024) | 0.13 (11/19/2015) | (0.282 - 0.13)/(48 - 12) | 0.00422222 |
| 0.106 (2/18/2025) | 0.13 (11/19/2015) | (0.106 - 0.13)/(49 - 12) | -0.000648649 |
| | | | |
| 0.25 (6/29/2016) | ND<0.1 U (3/15/2016) | (0.25 - 0.1)/(14 - 13) | 0.15 |
| 0.15 (8/9/2016) | ND<0.1 U (3/15/2016) | (0.15 - 0.1)/(15 - 13) | 0.025 |
| 0.27 (12/7/2016) | ND<0.1 U (3/15/2016) | (0.27 - 0.1)/(16 - 13) | 0.0566667 |
| 0.21 (3/2/2017) | ND<0.1 U (3/15/2016) | (0.21 - 0.1)/(17 - 13) | 0.0275 |
| ND<0.1 U (6/29/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(18 - 13) | 0 |
| 0.11 (8/16/2017) | ND<0.1 U (3/15/2016) | (0.11 - 0.1)/(19 - 13) | 0.00166667 |
| 0.15 (10/25/2017) | ND<0.1 U (3/15/2016) | (0.15 - 0.1)/(20 - 13) | 0.00714286 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(21 - 13) | 0 |
| 0.24 (6/29/2018) | ND<0.1 U (3/15/2016) | (0.24 - 0.1)/(22 - 13) | 0.0155556 |
| 0.14 (8/2/2018) | ND<0.1 U (3/15/2016) | (0.14 - 0.1)/(23 - 13) | 0.004 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(24 - 13) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (3/15/2016) | (0.161 - 0.1)/(27 - 13) | 0.00435714 |
| 0.134 (10/29/2019) | ND<0.1 U (3/15/2016) | (0.134 - 0.1)/(28 - 13) | 0.00226667 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(29 - 13) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (3/15/2016) | (0.129 - 0.1)/(30 - 13) | 0.00170588 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (3/15/2016) | (0.112 - 0.1)/(33 - 13) | 0.0006 |
| 0.1 U (5/5/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(34 - 13) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (3/15/2016) | (0.218 - 0.1)/(35 - 13) | 0.00536364 |
| 0.165 (11/23/2021) | ND<0.1 U (3/15/2016) | (0.165 - 0.1)/(36 - 13) | 0.00282609 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(37 - 13) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (3/15/2016) | (0.255 - 0.1)/(38 - 13) | 0.0062 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(39 - 13) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (3/15/2016) | (0.0961 - 0.1)/(42 - 13) | -0.000134483 |
| 0.17 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.17 - 0.1)/(43 - 13) | 0.00233333 |
| 0.262 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.262 - 0.1)/(44 - 13) | 0.00522581 |
| 0.264 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.264 - 0.1)/(45 - 13) | 0.005125 |
| 0.112 (5/21/2024) | ND<0.1 U (3/15/2016) | (0.112 - 0.1)/(46 - 13) | 0.000363636 |
| 0.0871 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.0871 - 0.1)/(47 - 13) | -0.000379412 |
| 0.282 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.282 - 0.1)/(48 - 13) | 0.0052 |
| 0.106 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.106 - 0.1)/(49 - 13) | 0.000166667 |
| | | | |
| 0.15 (8/9/2016) | 0.25 (6/29/2016) | (0.15 - 0.25)/(15 - 14) | -0.1 |
| 0.27 (12/7/2016) | 0.25 (6/29/2016) | (0.27 - 0.25)/(16 - 14) | 0.01 |

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|---|---|---|---|
| 0.21 (3/2/2017) | 0.25 (6/29/2016) | (0.21 - 0.25)/(17 - 14) | -0.0133333 |
| ND<0.1 U (6/29/2017) | 0.25 (6/29/2016) | (0.1 - 0.25)/(18 - 14) | -0.0375 |
| 0.11 (8/16/2017) | 0.25 (6/29/2016) | (0.11 - 0.25)/(19 - 14) | -0.028 |
| 0.15 (10/25/2017) | 0.25 (6/29/2016) | (0.15 - 0.25)/(20 - 14) | -0.0166667 |
| ND<0.1 U (3/28/2018) | 0.25 (6/29/2016) | (0.1 - 0.25)/(21 - 14) | -0.0214286 |
| 0.24 (6/29/2018) | 0.25 (6/29/2016) | (0.24 - 0.25)/(22 - 14) | -0.00125 |
| 0.14 (8/2/2018) | 0.25 (6/29/2016) | (0.14 - 0.25)/(23 - 14) | -0.0122222 |
| ND<0.1 U (12/10/2018) | 0.25 (6/29/2016) | (0.1 - 0.25)/(24 - 14) | -0.015 |
| ND<0.1 U (4/15/2019) | 0.25 (6/29/2016) | (0.1 - 0.25)/(25 - 14) | -0.0136364 |
| ND<0.1 U (6/12/2019) | 0.25 (6/29/2016) | (0.1 - 0.25)/(26 - 14) | -0.0125 |
| 0.161 (8/27/2019) | 0.25 (6/29/2016) | (0.161 - 0.25)/(27 - 14) | -0.00684615 |
| 0.134 (10/29/2019) | 0.25 (6/29/2016) | (0.134 - 0.25)/(28 - 14) | -0.00828571 |
| ND<0.1 U (3/30/2020) | 0.25 (6/29/2016) | (0.1 - 0.25)/(29 - 14) | -0.01 |
| 0.129 (6/16/2020) | 0.25 (6/29/2016) | (0.129 - 0.25)/(30 - 14) | -0.0075625 |
| ND<0.1 U (9/21/2020) | 0.25 (6/29/2016) | (0.1 - 0.25)/(31 - 14) | -0.00882353 |
| ND<0.1 U (12/17/2020) | 0.25 (6/29/2016) | (0.1 - 0.25)/(32 - 14) | -0.00833333 |
| 0.112 (3/18/2021) | 0.25 (6/29/2016) | (0.112 - 0.25)/(33 - 14) | -0.00726316 |
| 0.1 U (5/5/2021) | 0.25 (6/29/2016) | (0.1 - 0.25)/(34 - 14) | -0.0075 |
| 0.218 (9/2/2021) | 0.25 (6/29/2016) | (0.218 - 0.25)/(35 - 14) | -0.00152381 |
| 0.165 (11/23/2021) | 0.25 (6/29/2016) | (0.165 - 0.25)/(36 - 14) | -0.00386364 |
| ND<0.1 U (1/11/2022) | 0.25 (6/29/2016) | (0.1 - 0.25)/(37 - 14) | -0.00652174 |
| 0.255 (4/7/2022) | 0.25 (6/29/2016) | (0.255 - 0.25)/(38 - 14) | 0.000208333 |
| ND<0.1 U (8/2/2022) | 0.25 (6/29/2016) | (0.1 - 0.25)/(39 - 14) | -0.006 |
| 0.1 U (11/16/2022) | 0.25 (6/29/2016) | (0.1 - 0.25)/(40 - 14) | -0.00576923 |
| ND<0.1 U (2/14/2023) | 0.25 (6/29/2016) | (0.1 - 0.25)/(41 - 14) | -0.00555556 |
| 0.0961 (5/25/2023) | 0.25 (6/29/2016) | (0.0961 - 0.25)/(42 - 14) | -0.00549643 |
| 0.17 (8/7/2023) | 0.25 (6/29/2016) | (0.17 - 0.25)/(43 - 14) | -0.00275862 |
| 0.262 (12/12/2023) | 0.25 (6/29/2016) | (0.262 - 0.25)/(44 - 14) | 0.0004 |
| 0.264 (1/10/2024) | 0.25 (6/29/2016) | (0.264 - 0.25)/(45 - 14) | 0.000451613 |
| 0.112 (5/21/2024) | 0.25 (6/29/2016) | (0.112 - 0.25)/(46 - 14) | -0.0043125 |
| 0.0871 (9/16/2024) | 0.25 (6/29/2016) | (0.0871 - 0.25)/(47 - 14) | -0.00493636 |
| 0.282 (12/11/2024) | 0.25 (6/29/2016) | (0.282 - 0.25)/(48 - 14) | 0.000941176 |
| 0.106 (2/18/2025) | 0.25 (6/29/2016) | (0.106 - 0.25)/(49 - 14) | -0.00411429 |

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|---|---|---|---|
| 0.27 (12/7/2016) | 0.15 (8/9/2016) | (0.27 - 0.15)/(16 - 15) | 0.12 |
| 0.21 (3/2/2017) | 0.15 (8/9/2016) | (0.21 - 0.15)/(17 - 15) | 0.03 |
| ND<0.1 U (6/29/2017) | 0.15 (8/9/2016) | (0.1 - 0.15)/(18 - 15) | -0.0166667 |
| 0.11 (8/16/2017) | 0.15 (8/9/2016) | (0.11 - 0.15)/(19 - 15) | -0.01 |
| 0.15 (10/25/2017) | 0.15 (8/9/2016) | (0.15 - 0.15)/(20 - 15) | 0 |
| ND<0.1 U (3/28/2018) | 0.15 (8/9/2016) | (0.1 - 0.15)/(21 - 15) | -0.00833333 |
| 0.24 (6/29/2018) | 0.15 (8/9/2016) | (0.24 - 0.15)/(22 - 15) | 0.0128571 |
| 0.14 (8/2/2018) | 0.15 (8/9/2016) | (0.14 - 0.15)/(23 - 15) | -0.00125 |
| ND<0.1 U (12/10/2018) | 0.15 (8/9/2016) | (0.1 - 0.15)/(24 - 15) | -0.00555556 |
| ND<0.1 U (4/15/2019) | 0.15 (8/9/2016) | (0.1 - 0.15)/(25 - 15) | -0.005 |
| ND<0.1 U (6/12/2019) | 0.15 (8/9/2016) | (0.1 - 0.15)/(26 - 15) | -0.00454545 |
| 0.161 (8/27/2019) | 0.15 (8/9/2016) | (0.161 - 0.15)/(27 - 15) | 0.000916667 |
| 0.134 (10/29/2019) | 0.15 (8/9/2016) | (0.134 - 0.15)/(28 - 15) | -0.00123077 |
| ND<0.1 U (3/30/2020) | 0.15 (8/9/2016) | (0.1 - 0.15)/(29 - 15) | -0.00357143 |
| 0.129 (6/16/2020) | 0.15 (8/9/2016) | (0.129 - 0.15)/(30 - 15) | -0.0014 |
| ND<0.1 U (9/21/2020) | 0.15 (8/9/2016) | (0.1 - 0.15)/(31 - 15) | -0.003125 |
| ND<0.1 U (12/17/2020) | 0.15 (8/9/2016) | (0.1 - 0.15)/(32 - 15) | -0.00294118 |
| 0.112 (3/18/2021) | 0.15 (8/9/2016) | (0.112 - 0.15)/(33 - 15) | -0.00211111 |
| 0.1 U (5/5/2021) | 0.15 (8/9/2016) | (0.1 - 0.15)/(34 - 15) | -0.00263158 |
| 0.218 (9/2/2021) | 0.15 (8/9/2016) | (0.218 - 0.15)/(35 - 15) | 0.0034 |
| 0.165 (11/23/2021) | 0.15 (8/9/2016) | (0.165 - 0.15)/(36 - 15) | 0.000714286 |
| ND<0.1 U (1/11/2022) | 0.15 (8/9/2016) | (0.1 - 0.15)/(37 - 15) | -0.00227273 |
| 0.255 (4/7/2022) | 0.15 (8/9/2016) | (0.255 - 0.15)/(38 - 15) | 0.00456522 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | 0.15 (8/9/2016) | (0.1 - 0.15)/(39 - 15) | -0.00208333 |
| 0.1 U (11/16/2022) | 0.15 (8/9/2016) | (0.1 - 0.15)/(40 - 15) | -0.002 |
| ND<0.1 U (2/14/2023) | 0.15 (8/9/2016) | (0.1 - 0.15)/(41 - 15) | -0.00192308 |
| 0.0961 (5/25/2023) | 0.15 (8/9/2016) | (0.0961 - 0.15)/(42 - 15) | -0.0019963 |
| 0.17 (8/7/2023) | 0.15 (8/9/2016) | (0.17 - 0.15)/(43 - 15) | 0.000714286 |
| 0.262 (12/12/2023) | 0.15 (8/9/2016) | (0.262 - 0.15)/(44 - 15) | 0.00386207 |
| 0.264 (1/10/2024) | 0.15 (8/9/2016) | (0.264 - 0.15)/(45 - 15) | 0.0038 |
| 0.112 (5/21/2024) | 0.15 (8/9/2016) | (0.112 - 0.15)/(46 - 15) | -0.00122581 |
| 0.0871 (9/16/2024) | 0.15 (8/9/2016) | (0.0871 - 0.15)/(47 - 15) | -0.00196562 |
| 0.282 (12/11/2024) | 0.15 (8/9/2016) | (0.282 - 0.15)/(48 - 15) | 0.004 |
| 0.106 (2/18/2025) | 0.15 (8/9/2016) | (0.106 - 0.15)/(49 - 15) | -0.00129412 |
| | | | |
| 0.21 (3/2/2017) | 0.27 (12/7/2016) | (0.21 - 0.27)/(17 - 16) | -0.06 |
| ND<0.1 U (6/29/2017) | 0.27 (12/7/2016) | (0.1 - 0.27)/(18 - 16) | -0.085 |
| 0.11 (8/16/2017) | 0.27 (12/7/2016) | (0.11 - 0.27)/(19 - 16) | -0.0533333 |
| 0.15 (10/25/2017) | 0.27 (12/7/2016) | (0.15 - 0.27)/(20 - 16) | -0.03 |
| ND<0.1 U (3/28/2018) | 0.27 (12/7/2016) | (0.1 - 0.27)/(21 - 16) | -0.034 |
| 0.24 (6/29/2018) | 0.27 (12/7/2016) | (0.24 - 0.27)/(22 - 16) | -0.005 |
| 0.14 (8/2/2018) | 0.27 (12/7/2016) | (0.14 - 0.27)/(23 - 16) | -0.0185714 |
| ND<0.1 U (12/10/2018) | 0.27 (12/7/2016) | (0.1 - 0.27)/(24 - 16) | -0.02125 |
| ND<0.1 U (4/15/2019) | 0.27 (12/7/2016) | (0.1 - 0.27)/(25 - 16) | -0.0188889 |
| ND<0.1 U (6/12/2019) | 0.27 (12/7/2016) | (0.1 - 0.27)/(26 - 16) | -0.017 |
| 0.161 (8/27/2019) | 0.27 (12/7/2016) | (0.161 - 0.27)/(27 - 16) | -0.00990909 |
| 0.134 (10/29/2019) | 0.27 (12/7/2016) | (0.134 - 0.27)/(28 - 16) | -0.0113333 |
| ND<0.1 U (3/30/2020) | 0.27 (12/7/2016) | (0.1 - 0.27)/(29 - 16) | -0.0130769 |
| 0.129 (6/16/2020) | 0.27 (12/7/2016) | (0.129 - 0.27)/(30 - 16) | -0.0100714 |
| ND<0.1 U (9/21/2020) | 0.27 (12/7/2016) | (0.1 - 0.27)/(31 - 16) | -0.0113333 |
| ND<0.1 U (12/17/2020) | 0.27 (12/7/2016) | (0.1 - 0.27)/(32 - 16) | -0.010625 |
| 0.112 (3/18/2021) | 0.27 (12/7/2016) | (0.112 - 0.27)/(33 - 16) | -0.00929412 |
| 0.1 U (5/5/2021) | 0.27 (12/7/2016) | (0.1 - 0.27)/(34 - 16) | -0.00944444 |
| 0.218 (9/2/2021) | 0.27 (12/7/2016) | (0.218 - 0.27)/(35 - 16) | -0.00273684 |
| 0.165 (11/23/2021) | 0.27 (12/7/2016) | (0.165 - 0.27)/(36 - 16) | -0.00525 |
| ND<0.1 U (1/11/2022) | 0.27 (12/7/2016) | (0.1 - 0.27)/(37 - 16) | -0.00809524 |
| 0.255 (4/7/2022) | 0.27 (12/7/2016) | (0.255 - 0.27)/(38 - 16) | -0.000681818 |
| ND<0.1 U (8/2/2022) | 0.27 (12/7/2016) | (0.1 - 0.27)/(39 - 16) | -0.0073913 |
| 0.1 U (11/16/2022) | 0.27 (12/7/2016) | (0.1 - 0.27)/(40 - 16) | -0.00708333 |
| ND<0.1 U (2/14/2023) | 0.27 (12/7/2016) | (0.1 - 0.27)/(41 - 16) | -0.0068 |
| 0.0961 (5/25/2023) | 0.27 (12/7/2016) | (0.0961 - 0.27)/(42 - 16) | -0.00668846 |
| 0.17 (8/7/2023) | 0.27 (12/7/2016) | (0.17 - 0.27)/(43 - 16) | -0.0037037 |
| 0.262 (12/12/2023) | 0.27 (12/7/2016) | (0.262 - 0.27)/(44 - 16) | -0.000285714 |
| 0.264 (1/10/2024) | 0.27 (12/7/2016) | (0.264 - 0.27)/(45 - 16) | -0.000206897 |
| 0.112 (5/21/2024) | 0.27 (12/7/2016) | (0.112 - 0.27)/(46 - 16) | -0.00526667 |
| 0.0871 (9/16/2024) | 0.27 (12/7/2016) | (0.0871 - 0.27)/(47 - 16) | -0.0059 |
| 0.282 (12/11/2024) | 0.27 (12/7/2016) | (0.282 - 0.27)/(48 - 16) | 0.000375 |
| 0.106 (2/18/2025) | 0.27 (12/7/2016) | (0.106 - 0.27)/(49 - 16) | -0.0049697 |
| | | | |
| ND<0.1 U (6/29/2017) | 0.21 (3/2/2017) | (0.1 - 0.21)/(18 - 17) | -0.11 |
| 0.11 (8/16/2017) | 0.21 (3/2/2017) | (0.11 - 0.21)/(19 - 17) | -0.05 |
| 0.15 (10/25/2017) | 0.21 (3/2/2017) | (0.15 - 0.21)/(20 - 17) | -0.02 |
| ND<0.1 U (3/28/2018) | 0.21 (3/2/2017) | (0.1 - 0.21)/(21 - 17) | -0.0275 |
| 0.24 (6/29/2018) | 0.21 (3/2/2017) | (0.24 - 0.21)/(22 - 17) | 0.006 |
| 0.14 (8/2/2018) | 0.21 (3/2/2017) | (0.14 - 0.21)/(23 - 17) | -0.0116667 |
| ND<0.1 U (12/10/2018) | 0.21 (3/2/2017) | (0.1 - 0.21)/(24 - 17) | -0.0157143 |
| ND<0.1 U (4/15/2019) | 0.21 (3/2/2017) | (0.1 - 0.21)/(25 - 17) | -0.01375 |
| ND<0.1 U (6/12/2019) | 0.21 (3/2/2017) | (0.1 - 0.21)/(26 - 17) | -0.0122222 |
| 0.161 (8/27/2019) | 0.21 (3/2/2017) | (0.161 - 0.21)/(27 - 17) | -0.0049 |
| 0.134 (10/29/2019) | 0.21 (3/2/2017) | (0.134 - 0.21)/(28 - 17) | -0.00690909 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | 0.21 (3/2/2017) | (0.1 - 0.21)/(29 - 17) | -0.00916667 |
| 0.129 (6/16/2020) | 0.21 (3/2/2017) | (0.129 - 0.21)/(30 - 17) | -0.00623077 |
| ND<0.1 U (9/21/2020) | 0.21 (3/2/2017) | (0.1 - 0.21)/(31 - 17) | -0.00785714 |
| ND<0.1 U (12/17/2020) | 0.21 (3/2/2017) | (0.1 - 0.21)/(32 - 17) | -0.00733333 |
| 0.112 (3/18/2021) | 0.21 (3/2/2017) | (0.112 - 0.21)/(33 - 17) | -0.006125 |
| 0.1 U (5/5/2021) | 0.21 (3/2/2017) | (0.1 - 0.21)/(34 - 17) | -0.00647059 |
| 0.218 (9/2/2021) | 0.21 (3/2/2017) | (0.218 - 0.21)/(35 - 17) | 0.000444444 |
| 0.165 (11/23/2021) | 0.21 (3/2/2017) | (0.165 - 0.21)/(36 - 17) | -0.00236842 |
| ND<0.1 U (1/11/2022) | 0.21 (3/2/2017) | (0.1 - 0.21)/(37 - 17) | -0.0055 |
| 0.255 (4/7/2022) | 0.21 (3/2/2017) | (0.255 - 0.21)/(38 - 17) | 0.00214286 |
| ND<0.1 U (8/2/2022) | 0.21 (3/2/2017) | (0.1 - 0.21)/(39 - 17) | -0.005 |
| 0.1 U (11/16/2022) | 0.21 (3/2/2017) | (0.1 - 0.21)/(40 - 17) | -0.00478261 |
| ND<0.1 U (2/14/2023) | 0.21 (3/2/2017) | (0.1 - 0.21)/(41 - 17) | -0.00458333 |
| 0.0961 (5/25/2023) | 0.21 (3/2/2017) | (0.0961 - 0.21)/(42 - 17) | -0.004556 |
| 0.17 (8/7/2023) | 0.21 (3/2/2017) | (0.17 - 0.21)/(43 - 17) | -0.00153846 |
| 0.262 (12/12/2023) | 0.21 (3/2/2017) | (0.262 - 0.21)/(44 - 17) | 0.00192593 |
| 0.264 (1/10/2024) | 0.21 (3/2/2017) | (0.264 - 0.21)/(45 - 17) | 0.00192857 |
| 0.112 (5/21/2024) | 0.21 (3/2/2017) | (0.112 - 0.21)/(46 - 17) | -0.00337931 |
| 0.0871 (9/16/2024) | 0.21 (3/2/2017) | (0.0871 - 0.21)/(47 - 17) | -0.00409667 |
| 0.282 (12/11/2024) | 0.21 (3/2/2017) | (0.282 - 0.21)/(48 - 17) | 0.00232258 |
| 0.106 (2/18/2025) | 0.21 (3/2/2017) | (0.106 - 0.21)/(49 - 17) | -0.00325 |

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|---|---|---|---|
| 0.11 (8/16/2017) | ND<0.1 U (6/29/2017) | (0.11 - 0.1)/(19 - 18) | 0.01 |
| 0.15 (10/25/2017) | ND<0.1 U (6/29/2017) | (0.15 - 0.1)/(20 - 18) | 0.025 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| 0.24 (6/29/2018) | ND<0.1 U (6/29/2017) | (0.24 - 0.1)/(22 - 18) | 0.035 |
| 0.14 (8/2/2018) | ND<0.1 U (6/29/2017) | (0.14 - 0.1)/(23 - 18) | 0.008 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(24 - 18) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (6/29/2017) | (0.161 - 0.1)/(27 - 18) | 0.00677778 |
| 0.134 (10/29/2019) | ND<0.1 U (6/29/2017) | (0.134 - 0.1)/(28 - 18) | 0.0034 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(29 - 18) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (6/29/2017) | (0.129 - 0.1)/(30 - 18) | 0.00241667 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (6/29/2017) | (0.112 - 0.1)/(33 - 18) | 0.0008 |
| 0.1 U (5/5/2021) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (6/29/2017) | (0.218 - 0.1)/(35 - 18) | 0.00694118 |
| 0.165 (11/23/2021) | ND<0.1 U (6/29/2017) | (0.165 - 0.1)/(36 - 18) | 0.00361111 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (6/29/2017) | (0.255 - 0.1)/(38 - 18) | 0.00775 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (6/29/2017) | (0.0961 - 0.1)/(42 - 18) | -0.0001625 |
| 0.17 (8/7/2023) | ND<0.1 U (6/29/2017) | (0.17 - 0.1)/(43 - 18) | 0.0028 |
| 0.262 (12/12/2023) | ND<0.1 U (6/29/2017) | (0.262 - 0.1)/(44 - 18) | 0.00623077 |
| 0.264 (1/10/2024) | ND<0.1 U (6/29/2017) | (0.264 - 0.1)/(45 - 18) | 0.00607407 |
| 0.112 (5/21/2024) | ND<0.1 U (6/29/2017) | (0.112 - 0.1)/(46 - 18) | 0.000428571 |
| 0.0871 (9/16/2024) | ND<0.1 U (6/29/2017) | (0.0871 - 0.1)/(47 - 18) | -0.000444828 |
| 0.282 (12/11/2024) | ND<0.1 U (6/29/2017) | (0.282 - 0.1)/(48 - 18) | 0.00606667 |
| 0.106 (2/18/2025) | ND<0.1 U (6/29/2017) | (0.106 - 0.1)/(49 - 18) | 0.000193548 |

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|---|---|---|---|
| 0.15 (10/25/2017) | 0.11 (8/16/2017) | (0.15 - 0.11)/(20 - 19) | 0.04 |
| ND<0.1 U (3/28/2018) | 0.11 (8/16/2017) | (0.1 - 0.11)/(21 - 19) | -0.005 |
| 0.24 (6/29/2018) | 0.11 (8/16/2017) | (0.24 - 0.11)/(22 - 19) | 0.0433333 |

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|---|---|---|---|
| 0.14 (8/2/2018) | 0.11 (8/16/2017) | (0.14 - 0.11)/(23 - 19) | 0.0075 |
| ND<0.1 U (12/10/2018) | 0.11 (8/16/2017) | (0.1 - 0.11)/(24 - 19) | -0.002 |
| ND<0.1 U (4/15/2019) | 0.11 (8/16/2017) | (0.1 - 0.11)/(25 - 19) | -0.00166667 |
| ND<0.1 U (6/12/2019) | 0.11 (8/16/2017) | (0.1 - 0.11)/(26 - 19) | -0.00142857 |
| 0.161 (8/27/2019) | 0.11 (8/16/2017) | (0.161 - 0.11)/(27 - 19) | 0.006375 |
| 0.134 (10/29/2019) | 0.11 (8/16/2017) | (0.134 - 0.11)/(28 - 19) | 0.00266667 |
| ND<0.1 U (3/30/2020) | 0.11 (8/16/2017) | (0.1 - 0.11)/(29 - 19) | -0.001 |
| 0.129 (6/16/2020) | 0.11 (8/16/2017) | (0.129 - 0.11)/(30 - 19) | 0.00172727 |
| ND<0.1 U (9/21/2020) | 0.11 (8/16/2017) | (0.1 - 0.11)/(31 - 19) | -0.000833333 |
| ND<0.1 U (12/17/2020) | 0.11 (8/16/2017) | (0.1 - 0.11)/(32 - 19) | -0.000769231 |
| 0.112 (3/18/2021) | 0.11 (8/16/2017) | (0.112 - 0.11)/(33 - 19) | 0.000142857 |
| 0.1 U (5/5/2021) | 0.11 (8/16/2017) | (0.1 - 0.11)/(34 - 19) | -0.000666667 |
| 0.218 (9/2/2021) | 0.11 (8/16/2017) | (0.218 - 0.11)/(35 - 19) | 0.00675 |
| 0.165 (11/23/2021) | 0.11 (8/16/2017) | (0.165 - 0.11)/(36 - 19) | 0.00323529 |
| ND<0.1 U (1/11/2022) | 0.11 (8/16/2017) | (0.1 - 0.11)/(37 - 19) | -0.000555556 |
| 0.255 (4/7/2022) | 0.11 (8/16/2017) | (0.255 - 0.11)/(38 - 19) | 0.00763158 |
| ND<0.1 U (8/2/2022) | 0.11 (8/16/2017) | (0.1 - 0.11)/(39 - 19) | -0.0005 |
| 0.1 U (11/16/2022) | 0.11 (8/16/2017) | (0.1 - 0.11)/(40 - 19) | -0.00047619 |
| ND<0.1 U (2/14/2023) | 0.11 (8/16/2017) | (0.1 - 0.11)/(41 - 19) | -0.000454545 |
| 0.0961 (5/25/2023) | 0.11 (8/16/2017) | (0.0961 - 0.11)/(42 - 19) | -0.000604348 |
| 0.17 (8/7/2023) | 0.11 (8/16/2017) | (0.17 - 0.11)/(43 - 19) | 0.0025 |
| 0.262 (12/12/2023) | 0.11 (8/16/2017) | (0.262 - 0.11)/(44 - 19) | 0.00608 |
| 0.264 (1/10/2024) | 0.11 (8/16/2017) | (0.264 - 0.11)/(45 - 19) | 0.00592308 |
| 0.112 (5/21/2024) | 0.11 (8/16/2017) | (0.112 - 0.11)/(46 - 19) | 7.40741e-05 |
| 0.0871 (9/16/2024) | 0.11 (8/16/2017) | (0.0871 - 0.11)/(47 - 19) | -0.000817857 |
| 0.282 (12/11/2024) | 0.11 (8/16/2017) | (0.282 - 0.11)/(48 - 19) | 0.00593103 |
| 0.106 (2/18/2025) | 0.11 (8/16/2017) | (0.106 - 0.11)/(49 - 19) | -0.000133333 |
| | | | |
| ND<0.1 U (3/28/2018) | 0.15 (10/25/2017) | (0.1 - 0.15)/(21 - 20) | -0.05 |
| 0.24 (6/29/2018) | 0.15 (10/25/2017) | (0.24 - 0.15)/(22 - 20) | 0.045 |
| 0.14 (8/2/2018) | 0.15 (10/25/2017) | (0.14 - 0.15)/(23 - 20) | -0.00333333 |
| ND<0.1 U (12/10/2018) | 0.15 (10/25/2017) | (0.1 - 0.15)/(24 - 20) | -0.0125 |
| ND<0.1 U (4/15/2019) | 0.15 (10/25/2017) | (0.1 - 0.15)/(25 - 20) | -0.01 |
| ND<0.1 U (6/12/2019) | 0.15 (10/25/2017) | (0.1 - 0.15)/(26 - 20) | -0.00833333 |
| 0.161 (8/27/2019) | 0.15 (10/25/2017) | (0.161 - 0.15)/(27 - 20) | 0.00157143 |
| 0.134 (10/29/2019) | 0.15 (10/25/2017) | (0.134 - 0.15)/(28 - 20) | -0.002 |
| ND<0.1 U (3/30/2020) | 0.15 (10/25/2017) | (0.1 - 0.15)/(29 - 20) | -0.00555556 |
| 0.129 (6/16/2020) | 0.15 (10/25/2017) | (0.129 - 0.15)/(30 - 20) | -0.0021 |
| ND<0.1 U (9/21/2020) | 0.15 (10/25/2017) | (0.1 - 0.15)/(31 - 20) | -0.00454545 |
| ND<0.1 U (12/17/2020) | 0.15 (10/25/2017) | (0.1 - 0.15)/(32 - 20) | -0.00416667 |
| 0.112 (3/18/2021) | 0.15 (10/25/2017) | (0.112 - 0.15)/(33 - 20) | -0.00292308 |
| 0.1 U (5/5/2021) | 0.15 (10/25/2017) | (0.1 - 0.15)/(34 - 20) | -0.00357143 |
| 0.218 (9/2/2021) | 0.15 (10/25/2017) | (0.218 - 0.15)/(35 - 20) | 0.00453333 |
| 0.165 (11/23/2021) | 0.15 (10/25/2017) | (0.165 - 0.15)/(36 - 20) | 0.0009375 |
| ND<0.1 U (1/11/2022) | 0.15 (10/25/2017) | (0.1 - 0.15)/(37 - 20) | -0.00294118 |
| 0.255 (4/7/2022) | 0.15 (10/25/2017) | (0.255 - 0.15)/(38 - 20) | 0.00583333 |
| ND<0.1 U (8/2/2022) | 0.15 (10/25/2017) | (0.1 - 0.15)/(39 - 20) | -0.00263158 |
| 0.1 U (11/16/2022) | 0.15 (10/25/2017) | (0.1 - 0.15)/(40 - 20) | -0.0025 |
| ND<0.1 U (2/14/2023) | 0.15 (10/25/2017) | (0.1 - 0.15)/(41 - 20) | -0.00238095 |
| 0.0961 (5/25/2023) | 0.15 (10/25/2017) | (0.0961 - 0.15)/(42 - 20) | -0.00245 |
| 0.17 (8/7/2023) | 0.15 (10/25/2017) | (0.17 - 0.15)/(43 - 20) | 0.000869565 |
| 0.262 (12/12/2023) | 0.15 (10/25/2017) | (0.262 - 0.15)/(44 - 20) | 0.00466667 |
| 0.264 (1/10/2024) | 0.15 (10/25/2017) | (0.264 - 0.15)/(45 - 20) | 0.00456 |
| 0.112 (5/21/2024) | 0.15 (10/25/2017) | (0.112 - 0.15)/(46 - 20) | -0.00146154 |
| 0.0871 (9/16/2024) | 0.15 (10/25/2017) | (0.0871 - 0.15)/(47 - 20) | -0.00232963 |
| 0.282 (12/11/2024) | 0.15 (10/25/2017) | (0.282 - 0.15)/(48 - 20) | 0.00471429 |
| 0.106 (2/18/2025) | 0.15 (10/25/2017) | (0.106 - 0.15)/(49 - 20) | -0.00151724 |

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|---|---|---|---|
| 0.24 (6/29/2018) | ND<0.1 U (3/28/2018) | (0.24 - 0.1)/(22 - 21) | 0.14 |
| 0.14 (8/2/2018) | ND<0.1 U (3/28/2018) | (0.14 - 0.1)/(23 - 21) | 0.02 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(24 - 21) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (3/28/2018) | (0.161 - 0.1)/(27 - 21) | 0.0101667 |
| 0.134 (10/29/2019) | ND<0.1 U (3/28/2018) | (0.134 - 0.1)/(28 - 21) | 0.00485714 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(29 - 21) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (3/28/2018) | (0.129 - 0.1)/(30 - 21) | 0.00322222 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(31 - 21) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (3/28/2018) | (0.112 - 0.1)/(33 - 21) | 0.001 |
| 0.1 U (5/5/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (3/28/2018) | (0.218 - 0.1)/(35 - 21) | 0.00842857 |
| 0.165 (11/23/2021) | ND<0.1 U (3/28/2018) | (0.165 - 0.1)/(36 - 21) | 0.00433333 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (3/28/2018) | (0.255 - 0.1)/(38 - 21) | 0.00911765 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(39 - 21) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (3/28/2018) | (0.0961 - 0.1)/(42 - 21) | -0.000185714 |
| 0.17 (8/7/2023) | ND<0.1 U (3/28/2018) | (0.17 - 0.1)/(43 - 21) | 0.00318182 |
| 0.262 (12/12/2023) | ND<0.1 U (3/28/2018) | (0.262 - 0.1)/(44 - 21) | 0.00704348 |
| 0.264 (1/10/2024) | ND<0.1 U (3/28/2018) | (0.264 - 0.1)/(45 - 21) | 0.00683333 |
| 0.112 (5/21/2024) | ND<0.1 U (3/28/2018) | (0.112 - 0.1)/(46 - 21) | 0.00048 |
| 0.0871 (9/16/2024) | ND<0.1 U (3/28/2018) | (0.0871 - 0.1)/(47 - 21) | -0.000496154 |
| 0.282 (12/11/2024) | ND<0.1 U (3/28/2018) | (0.282 - 0.1)/(48 - 21) | 0.00674074 |
| 0.106 (2/18/2025) | ND<0.1 U (3/28/2018) | (0.106 - 0.1)/(49 - 21) | 0.000214286 |

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|---|---|---|---|
| 0.14 (8/2/2018) | 0.24 (6/29/2018) | (0.14 - 0.24)/(23 - 22) | -0.1 |
| ND<0.1 U (12/10/2018) | 0.24 (6/29/2018) | (0.1 - 0.24)/(24 - 22) | -0.07 |
| ND<0.1 U (4/15/2019) | 0.24 (6/29/2018) | (0.1 - 0.24)/(25 - 22) | -0.0466667 |
| ND<0.1 U (6/12/2019) | 0.24 (6/29/2018) | (0.1 - 0.24)/(26 - 22) | -0.035 |
| 0.161 (8/27/2019) | 0.24 (6/29/2018) | (0.161 - 0.24)/(27 - 22) | -0.0158 |
| 0.134 (10/29/2019) | 0.24 (6/29/2018) | (0.134 - 0.24)/(28 - 22) | -0.0176667 |
| ND<0.1 U (3/30/2020) | 0.24 (6/29/2018) | (0.1 - 0.24)/(29 - 22) | -0.02 |
| 0.129 (6/16/2020) | 0.24 (6/29/2018) | (0.129 - 0.24)/(30 - 22) | -0.013875 |
| ND<0.1 U (9/21/2020) | 0.24 (6/29/2018) | (0.1 - 0.24)/(31 - 22) | -0.0155556 |
| ND<0.1 U (12/17/2020) | 0.24 (6/29/2018) | (0.1 - 0.24)/(32 - 22) | -0.014 |
| 0.112 (3/18/2021) | 0.24 (6/29/2018) | (0.112 - 0.24)/(33 - 22) | -0.0116364 |
| 0.1 U (5/5/2021) | 0.24 (6/29/2018) | (0.1 - 0.24)/(34 - 22) | -0.0116667 |
| 0.218 (9/2/2021) | 0.24 (6/29/2018) | (0.218 - 0.24)/(35 - 22) | -0.00169231 |
| 0.165 (11/23/2021) | 0.24 (6/29/2018) | (0.165 - 0.24)/(36 - 22) | -0.00535714 |
| ND<0.1 U (1/11/2022) | 0.24 (6/29/2018) | (0.1 - 0.24)/(37 - 22) | -0.00933333 |
| 0.255 (4/7/2022) | 0.24 (6/29/2018) | (0.255 - 0.24)/(38 - 22) | 0.0009375 |
| ND<0.1 U (8/2/2022) | 0.24 (6/29/2018) | (0.1 - 0.24)/(39 - 22) | -0.00823529 |
| 0.1 U (11/16/2022) | 0.24 (6/29/2018) | (0.1 - 0.24)/(40 - 22) | -0.00777778 |
| ND<0.1 U (2/14/2023) | 0.24 (6/29/2018) | (0.1 - 0.24)/(41 - 22) | -0.00736842 |
| 0.0961 (5/25/2023) | 0.24 (6/29/2018) | (0.0961 - 0.24)/(42 - 22) | -0.007195 |
| 0.17 (8/7/2023) | 0.24 (6/29/2018) | (0.17 - 0.24)/(43 - 22) | -0.00333333 |
| 0.262 (12/12/2023) | 0.24 (6/29/2018) | (0.262 - 0.24)/(44 - 22) | 0.001 |
| 0.264 (1/10/2024) | 0.24 (6/29/2018) | (0.264 - 0.24)/(45 - 22) | 0.00104348 |
| 0.112 (5/21/2024) | 0.24 (6/29/2018) | (0.112 - 0.24)/(46 - 22) | -0.00533333 |
| 0.0871 (9/16/2024) | 0.24 (6/29/2018) | (0.0871 - 0.24)/(47 - 22) | -0.006116 |
| 0.282 (12/11/2024) | 0.24 (6/29/2018) | (0.282 - 0.24)/(48 - 22) | 0.00161538 |
| 0.106 (2/18/2025) | 0.24 (6/29/2018) | (0.106 - 0.24)/(49 - 22) | -0.00496296 |

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|---|---|---|---|
| ND<0.1 U (12/10/2018) | 0.14 (8/2/2018) | (0.1 - 0.14)/(24 - 23) | -0.04 |
| ND<0.1 U (4/15/2019) | 0.14 (8/2/2018) | (0.1 - 0.14)/(25 - 23) | -0.02 |
| ND<0.1 U (6/12/2019) | 0.14 (8/2/2018) | (0.1 - 0.14)/(26 - 23) | -0.0133333 |
| 0.161 (8/27/2019) | 0.14 (8/2/2018) | (0.161 - 0.14)/(27 - 23) | 0.00525 |
| 0.134 (10/29/2019) | 0.14 (8/2/2018) | (0.134 - 0.14)/(28 - 23) | -0.0012 |
| ND<0.1 U (3/30/2020) | 0.14 (8/2/2018) | (0.1 - 0.14)/(29 - 23) | -0.00666667 |
| 0.129 (6/16/2020) | 0.14 (8/2/2018) | (0.129 - 0.14)/(30 - 23) | -0.00157143 |
| ND<0.1 U (9/21/2020) | 0.14 (8/2/2018) | (0.1 - 0.14)/(31 - 23) | -0.005 |
| ND<0.1 U (12/17/2020) | 0.14 (8/2/2018) | (0.1 - 0.14)/(32 - 23) | -0.00444444 |
| 0.112 (3/18/2021) | 0.14 (8/2/2018) | (0.112 - 0.14)/(33 - 23) | -0.0028 |
| 0.1 U (5/5/2021) | 0.14 (8/2/2018) | (0.1 - 0.14)/(34 - 23) | -0.00363636 |
| 0.218 (9/2/2021) | 0.14 (8/2/2018) | (0.218 - 0.14)/(35 - 23) | 0.0065 |
| 0.165 (11/23/2021) | 0.14 (8/2/2018) | (0.165 - 0.14)/(36 - 23) | 0.00192308 |
| ND<0.1 U (1/11/2022) | 0.14 (8/2/2018) | (0.1 - 0.14)/(37 - 23) | -0.00285714 |
| 0.255 (4/7/2022) | 0.14 (8/2/2018) | (0.255 - 0.14)/(38 - 23) | 0.00766667 |
| ND<0.1 U (8/2/2022) | 0.14 (8/2/2018) | (0.1 - 0.14)/(39 - 23) | -0.0025 |
| 0.1 U (11/16/2022) | 0.14 (8/2/2018) | (0.1 - 0.14)/(40 - 23) | -0.00235294 |
| ND<0.1 U (2/14/2023) | 0.14 (8/2/2018) | (0.1 - 0.14)/(41 - 23) | -0.00222222 |
| 0.0961 (5/25/2023) | 0.14 (8/2/2018) | (0.0961 - 0.14)/(42 - 23) | -0.00231053 |
| 0.17 (8/7/2023) | 0.14 (8/2/2018) | (0.17 - 0.14)/(43 - 23) | 0.0015 |
| 0.262 (12/12/2023) | 0.14 (8/2/2018) | (0.262 - 0.14)/(44 - 23) | 0.00580952 |
| 0.264 (1/10/2024) | 0.14 (8/2/2018) | (0.264 - 0.14)/(45 - 23) | 0.00563636 |
| 0.112 (5/21/2024) | 0.14 (8/2/2018) | (0.112 - 0.14)/(46 - 23) | -0.00121739 |
| 0.0871 (9/16/2024) | 0.14 (8/2/2018) | (0.0871 - 0.14)/(47 - 23) | -0.00220417 |
| 0.282 (12/11/2024) | 0.14 (8/2/2018) | (0.282 - 0.14)/(48 - 23) | 0.00568 |
| 0.106 (2/18/2025) | 0.14 (8/2/2018) | (0.106 - 0.14)/(49 - 23) | -0.00130769 |

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|---|---|---|---|
| ND<0.1 U (4/15/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(25 - 24) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(26 - 24) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (12/10/2018) | (0.161 - 0.1)/(27 - 24) | 0.0203333 |
| 0.134 (10/29/2019) | ND<0.1 U (12/10/2018) | (0.134 - 0.1)/(28 - 24) | 0.0085 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(29 - 24) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (12/10/2018) | (0.129 - 0.1)/(30 - 24) | 0.00483333 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(31 - 24) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (12/10/2018) | (0.112 - 0.1)/(33 - 24) | 0.00133333 |
| 0.1 U (5/5/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(34 - 24) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (12/10/2018) | (0.218 - 0.1)/(35 - 24) | 0.0107273 |
| 0.165 (11/23/2021) | ND<0.1 U (12/10/2018) | (0.165 - 0.1)/(36 - 24) | 0.00541667 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(37 - 24) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (12/10/2018) | (0.255 - 0.1)/(38 - 24) | 0.0110714 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(41 - 24) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (12/10/2018) | (0.0961 - 0.1)/(42 - 24) | -0.000216667 |
| 0.17 (8/7/2023) | ND<0.1 U (12/10/2018) | (0.17 - 0.1)/(43 - 24) | 0.00368421 |
| 0.262 (12/12/2023) | ND<0.1 U (12/10/2018) | (0.262 - 0.1)/(44 - 24) | 0.0081 |
| 0.264 (1/10/2024) | ND<0.1 U (12/10/2018) | (0.264 - 0.1)/(45 - 24) | 0.00780952 |
| 0.112 (5/21/2024) | ND<0.1 U (12/10/2018) | (0.112 - 0.1)/(46 - 24) | 0.000545455 |
| 0.0871 (9/16/2024) | ND<0.1 U (12/10/2018) | (0.0871 - 0.1)/(47 - 24) | -0.00056087 |
| 0.282 (12/11/2024) | ND<0.1 U (12/10/2018) | (0.282 - 0.1)/(48 - 24) | 0.00758333 |
| 0.106 (2/18/2025) | ND<0.1 U (12/10/2018) | (0.106 - 0.1)/(49 - 24) | 0.00024 |

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|---|---|---|---|
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| 0.161 (8/27/2019) | ND<0.1 U (4/15/2019) | (0.161 - 0.1)/(27 - 25) | 0.0305 |
| 0.134 (10/29/2019) | ND<0.1 U (4/15/2019) | (0.134 - 0.1)/(28 - 25) | 0.0113333 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(29 - 25) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (4/15/2019) | (0.129 - 0.1)/(30 - 25) | 0.0058 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (4/15/2019) | (0.112 - 0.1)/(33 - 25) | 0.0015 |
| 0.1 U (5/5/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (4/15/2019) | (0.218 - 0.1)/(35 - 25) | 0.0118 |
| 0.165 (11/23/2021) | ND<0.1 U (4/15/2019) | (0.165 - 0.1)/(36 - 25) | 0.00590909 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (4/15/2019) | (0.255 - 0.1)/(38 - 25) | 0.0119231 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (4/15/2019) | (0.0961 - 0.1)/(42 - 25) | -0.000229412 |
| 0.17 (8/7/2023) | ND<0.1 U (4/15/2019) | (0.17 - 0.1)/(43 - 25) | 0.00388889 |
| 0.262 (12/12/2023) | ND<0.1 U (4/15/2019) | (0.262 - 0.1)/(44 - 25) | 0.00852632 |
| 0.264 (1/10/2024) | ND<0.1 U (4/15/2019) | (0.264 - 0.1)/(45 - 25) | 0.0082 |
| 0.112 (5/21/2024) | ND<0.1 U (4/15/2019) | (0.112 - 0.1)/(46 - 25) | 0.000571429 |
| 0.0871 (9/16/2024) | ND<0.1 U (4/15/2019) | (0.0871 - 0.1)/(47 - 25) | -0.000586364 |
| 0.282 (12/11/2024) | ND<0.1 U (4/15/2019) | (0.282 - 0.1)/(48 - 25) | 0.00791304 |
| 0.106 (2/18/2025) | ND<0.1 U (4/15/2019) | (0.106 - 0.1)/(49 - 25) | 0.00025 |
| | | | |
| 0.161 (8/27/2019) | ND<0.1 U (6/12/2019) | (0.161 - 0.1)/(27 - 26) | 0.061 |
| 0.134 (10/29/2019) | ND<0.1 U (6/12/2019) | (0.134 - 0.1)/(28 - 26) | 0.017 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(29 - 26) | 0 |
| 0.129 (6/16/2020) | ND<0.1 U (6/12/2019) | (0.129 - 0.1)/(30 - 26) | 0.00725 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (6/12/2019) | (0.112 - 0.1)/(33 - 26) | 0.00171429 |
| 0.1 U (5/5/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (6/12/2019) | (0.218 - 0.1)/(35 - 26) | 0.0131111 |
| 0.165 (11/23/2021) | ND<0.1 U (6/12/2019) | (0.165 - 0.1)/(36 - 26) | 0.0065 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (6/12/2019) | (0.255 - 0.1)/(38 - 26) | 0.0129167 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (6/12/2019) | (0.0961 - 0.1)/(42 - 26) | -0.00024375 |
| 0.17 (8/7/2023) | ND<0.1 U (6/12/2019) | (0.17 - 0.1)/(43 - 26) | 0.00411765 |
| 0.262 (12/12/2023) | ND<0.1 U (6/12/2019) | (0.262 - 0.1)/(44 - 26) | 0.009 |
| 0.264 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.264 - 0.1)/(45 - 26) | 0.00863158 |
| 0.112 (5/21/2024) | ND<0.1 U (6/12/2019) | (0.112 - 0.1)/(46 - 26) | 0.0006 |
| 0.0871 (9/16/2024) | ND<0.1 U (6/12/2019) | (0.0871 - 0.1)/(47 - 26) | -0.000614286 |
| 0.282 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.282 - 0.1)/(48 - 26) | 0.00827273 |
| 0.106 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.106 - 0.1)/(49 - 26) | 0.00026087 |
| | | | |
| 0.134 (10/29/2019) | 0.161 (8/27/2019) | (0.134 - 0.161)/(28 - 27) | -0.027 |
| ND<0.1 U (3/30/2020) | 0.161 (8/27/2019) | (0.1 - 0.161)/(29 - 27) | -0.0305 |
| 0.129 (6/16/2020) | 0.161 (8/27/2019) | (0.129 - 0.161)/(30 - 27) | -0.0106667 |
| ND<0.1 U (9/21/2020) | 0.161 (8/27/2019) | (0.1 - 0.161)/(31 - 27) | -0.01525 |
| ND<0.1 U (12/17/2020) | 0.161 (8/27/2019) | (0.1 - 0.161)/(32 - 27) | -0.0122 |
| 0.112 (3/18/2021) | 0.161 (8/27/2019) | (0.112 - 0.161)/(33 - 27) | -0.00816667 |
| 0.1 U (5/5/2021) | 0.161 (8/27/2019) | (0.1 - 0.161)/(34 - 27) | -0.00871429 |
| 0.218 (9/2/2021) | 0.161 (8/27/2019) | (0.218 - 0.161)/(35 - 27) | 0.007125 |
| 0.165 (11/23/2021) | 0.161 (8/27/2019) | (0.165 - 0.161)/(36 - 27) | 0.000444444 |
| ND<0.1 U (1/11/2022) | 0.161 (8/27/2019) | (0.1 - 0.161)/(37 - 27) | -0.0061 |
| 0.255 (4/7/2022) | 0.161 (8/27/2019) | (0.255 - 0.161)/(38 - 27) | 0.00854545 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | 0.161 (8/27/2019) | (0.1 - 0.161)/(39 - 27) | -0.00508333 |
| 0.1 U (11/16/2022) | 0.161 (8/27/2019) | (0.1 - 0.161)/(40 - 27) | -0.00469231 |
| ND<0.1 U (2/14/2023) | 0.161 (8/27/2019) | (0.1 - 0.161)/(41 - 27) | -0.00435714 |
| 0.0961 (5/25/2023) | 0.161 (8/27/2019) | (0.0961 - 0.161)/(42 - 27) | -0.00432667 |
| 0.17 (8/7/2023) | 0.161 (8/27/2019) | (0.17 - 0.161)/(43 - 27) | 0.0005625 |
| 0.262 (12/12/2023) | 0.161 (8/27/2019) | (0.262 - 0.161)/(44 - 27) | 0.00594118 |
| 0.264 (1/10/2024) | 0.161 (8/27/2019) | (0.264 - 0.161)/(45 - 27) | 0.00572222 |
| 0.112 (5/21/2024) | 0.161 (8/27/2019) | (0.112 - 0.161)/(46 - 27) | -0.00257895 |
| 0.0871 (9/16/2024) | 0.161 (8/27/2019) | (0.0871 - 0.161)/(47 - 27) | -0.003695 |
| 0.282 (12/11/2024) | 0.161 (8/27/2019) | (0.282 - 0.161)/(48 - 27) | 0.0057619 |
| 0.106 (2/18/2025) | 0.161 (8/27/2019) | (0.106 - 0.161)/(49 - 27) | -0.0025 |
| | | | |
| ND<0.1 U (3/30/2020) | 0.134 (10/29/2019) | (0.1 - 0.134)/(29 - 28) | -0.034 |
| 0.129 (6/16/2020) | 0.134 (10/29/2019) | (0.129 - 0.134)/(30 - 28) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.134 (10/29/2019) | (0.1 - 0.134)/(31 - 28) | -0.0113333 |
| ND<0.1 U (12/17/2020) | 0.134 (10/29/2019) | (0.1 - 0.134)/(32 - 28) | -0.0085 |
| 0.112 (3/18/2021) | 0.134 (10/29/2019) | (0.112 - 0.134)/(33 - 28) | -0.0044 |
| 0.1 U (5/5/2021) | 0.134 (10/29/2019) | (0.1 - 0.134)/(34 - 28) | -0.00566667 |
| 0.218 (9/2/2021) | 0.134 (10/29/2019) | (0.218 - 0.134)/(35 - 28) | 0.012 |
| 0.165 (11/23/2021) | 0.134 (10/29/2019) | (0.165 - 0.134)/(36 - 28) | 0.003875 |
| ND<0.1 U (1/11/2022) | 0.134 (10/29/2019) | (0.1 - 0.134)/(37 - 28) | -0.00377778 |
| 0.255 (4/7/2022) | 0.134 (10/29/2019) | (0.255 - 0.134)/(38 - 28) | 0.0121 |
| ND<0.1 U (8/2/2022) | 0.134 (10/29/2019) | (0.1 - 0.134)/(39 - 28) | -0.00309091 |
| 0.1 U (11/16/2022) | 0.134 (10/29/2019) | (0.1 - 0.134)/(40 - 28) | -0.00283333 |
| ND<0.1 U (2/14/2023) | 0.134 (10/29/2019) | (0.1 - 0.134)/(41 - 28) | -0.00261538 |
| 0.0961 (5/25/2023) | 0.134 (10/29/2019) | (0.0961 - 0.134)/(42 - 28) | -0.00270714 |
| 0.17 (8/7/2023) | 0.134 (10/29/2019) | (0.17 - 0.134)/(43 - 28) | 0.0024 |
| 0.262 (12/12/2023) | 0.134 (10/29/2019) | (0.262 - 0.134)/(44 - 28) | 0.008 |
| 0.264 (1/10/2024) | 0.134 (10/29/2019) | (0.264 - 0.134)/(45 - 28) | 0.00764706 |
| 0.112 (5/21/2024) | 0.134 (10/29/2019) | (0.112 - 0.134)/(46 - 28) | -0.00122222 |
| 0.0871 (9/16/2024) | 0.134 (10/29/2019) | (0.0871 - 0.134)/(47 - 28) | -0.00246842 |
| 0.282 (12/11/2024) | 0.134 (10/29/2019) | (0.282 - 0.134)/(48 - 28) | 0.0074 |
| 0.106 (2/18/2025) | 0.134 (10/29/2019) | (0.106 - 0.134)/(49 - 28) | -0.00133333 |
| | | | |
| 0.129 (6/16/2020) | ND<0.1 U (3/30/2020) | (0.129 - 0.1)/(30 - 29) | 0.029 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(31 - 29) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(32 - 29) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (3/30/2020) | (0.112 - 0.1)/(33 - 29) | 0.003 |
| 0.1 U (5/5/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(34 - 29) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (3/30/2020) | (0.218 - 0.1)/(35 - 29) | 0.0196667 |
| 0.165 (11/23/2021) | ND<0.1 U (3/30/2020) | (0.165 - 0.1)/(36 - 29) | 0.00928571 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(37 - 29) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (3/30/2020) | (0.255 - 0.1)/(38 - 29) | 0.0172222 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(39 - 29) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(40 - 29) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(41 - 29) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (3/30/2020) | (0.0961 - 0.1)/(42 - 29) | -0.0003 |
| 0.17 (8/7/2023) | ND<0.1 U (3/30/2020) | (0.17 - 0.1)/(43 - 29) | 0.005 |
| 0.262 (12/12/2023) | ND<0.1 U (3/30/2020) | (0.262 - 0.1)/(44 - 29) | 0.0108 |
| 0.264 (1/10/2024) | ND<0.1 U (3/30/2020) | (0.264 - 0.1)/(45 - 29) | 0.01025 |
| 0.112 (5/21/2024) | ND<0.1 U (3/30/2020) | (0.112 - 0.1)/(46 - 29) | 0.000705882 |
| 0.0871 (9/16/2024) | ND<0.1 U (3/30/2020) | (0.0871 - 0.1)/(47 - 29) | -0.000716667 |
| 0.282 (12/11/2024) | ND<0.1 U (3/30/2020) | (0.282 - 0.1)/(48 - 29) | 0.00957895 |
| 0.106 (2/18/2025) | ND<0.1 U (3/30/2020) | (0.106 - 0.1)/(49 - 29) | 0.0003 |
| | | | |
| ND<0.1 U (9/21/2020) | 0.129 (6/16/2020) | (0.1 - 0.129)/(31 - 30) | -0.029 |
| ND<0.1 U (12/17/2020) | 0.129 (6/16/2020) | (0.1 - 0.129)/(32 - 30) | -0.0145 |

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|---|---|---|---|
| 0.112 (3/18/2021) | 0.129 (6/16/2020) | (0.112 - 0.129)/(33 - 30) | -0.00566667 |
| 0.1 U (5/5/2021) | 0.129 (6/16/2020) | (0.1 - 0.129)/(34 - 30) | -0.00725 |
| 0.218 (9/2/2021) | 0.129 (6/16/2020) | (0.218 - 0.129)/(35 - 30) | 0.0178 |
| 0.165 (11/23/2021) | 0.129 (6/16/2020) | (0.165 - 0.129)/(36 - 30) | 0.006 |
| ND<0.1 U (1/11/2022) | 0.129 (6/16/2020) | (0.1 - 0.129)/(37 - 30) | -0.00414286 |
| 0.255 (4/7/2022) | 0.129 (6/16/2020) | (0.255 - 0.129)/(38 - 30) | 0.01575 |
| ND<0.1 U (8/2/2022) | 0.129 (6/16/2020) | (0.1 - 0.129)/(39 - 30) | -0.00322222 |
| 0.1 U (11/16/2022) | 0.129 (6/16/2020) | (0.1 - 0.129)/(40 - 30) | -0.0029 |
| ND<0.1 U (2/14/2023) | 0.129 (6/16/2020) | (0.1 - 0.129)/(41 - 30) | -0.00263636 |
| 0.0961 (5/25/2023) | 0.129 (6/16/2020) | (0.0961 - 0.129)/(42 - 30) | -0.00274167 |
| 0.17 (8/7/2023) | 0.129 (6/16/2020) | (0.17 - 0.129)/(43 - 30) | 0.00315385 |
| 0.262 (12/12/2023) | 0.129 (6/16/2020) | (0.262 - 0.129)/(44 - 30) | 0.0095 |
| 0.264 (1/10/2024) | 0.129 (6/16/2020) | (0.264 - 0.129)/(45 - 30) | 0.009 |
| 0.112 (5/21/2024) | 0.129 (6/16/2020) | (0.112 - 0.129)/(46 - 30) | -0.0010625 |
| 0.0871 (9/16/2024) | 0.129 (6/16/2020) | (0.0871 - 0.129)/(47 - 30) | -0.00246471 |
| 0.282 (12/11/2024) | 0.129 (6/16/2020) | (0.282 - 0.129)/(48 - 30) | 0.0085 |
| 0.106 (2/18/2025) | 0.129 (6/16/2020) | (0.106 - 0.129)/(49 - 30) | -0.00121053 |
| | | | |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| 0.112 (3/18/2021) | ND<0.1 U (9/21/2020) | (0.112 - 0.1)/(33 - 31) | 0.006 |
| 0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.218 - 0.1)/(35 - 31) | 0.0295 |
| 0.165 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.165 - 0.1)/(36 - 31) | 0.013 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(37 - 31) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (9/21/2020) | (0.255 - 0.1)/(38 - 31) | 0.0221429 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (9/21/2020) | (0.0961 - 0.1)/(42 - 31) | -0.000354545 |
| 0.17 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.17 - 0.1)/(43 - 31) | 0.00583333 |
| 0.262 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.262 - 0.1)/(44 - 31) | 0.0124615 |
| 0.264 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.264 - 0.1)/(45 - 31) | 0.0117143 |
| 0.112 (5/21/2024) | ND<0.1 U (9/21/2020) | (0.112 - 0.1)/(46 - 31) | 0.0008 |
| 0.0871 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.0871 - 0.1)/(47 - 31) | -0.00080625 |
| 0.282 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.282 - 0.1)/(48 - 31) | 0.0107059 |
| 0.106 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.106 - 0.1)/(49 - 31) | 0.000333333 |
| | | | |
| 0.112 (3/18/2021) | ND<0.1 U (12/17/2020) | (0.112 - 0.1)/(33 - 32) | 0.012 |
| 0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| 0.218 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.218 - 0.1)/(35 - 32) | 0.0393333 |
| 0.165 (11/23/2021) | ND<0.1 U (12/17/2020) | (0.165 - 0.1)/(36 - 32) | 0.01625 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| 0.255 (4/7/2022) | ND<0.1 U (12/17/2020) | (0.255 - 0.1)/(38 - 32) | 0.0258333 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (12/17/2020) | (0.0961 - 0.1)/(42 - 32) | -0.00039 |
| 0.17 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.17 - 0.1)/(43 - 32) | 0.00636364 |
| 0.262 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.262 - 0.1)/(44 - 32) | 0.0135 |
| 0.264 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.264 - 0.1)/(45 - 32) | 0.0126154 |
| 0.112 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.112 - 0.1)/(46 - 32) | 0.000857143 |
| 0.0871 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0871 - 0.1)/(47 - 32) | -0.00086 |
| 0.282 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.282 - 0.1)/(48 - 32) | 0.011375 |
| 0.106 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.106 - 0.1)/(49 - 32) | 0.000352941 |
| | | | |
| 0.1 U (5/5/2021) | 0.112 (3/18/2021) | (0.1 - 0.112)/(34 - 33) | -0.012 |
| 0.218 (9/2/2021) | 0.112 (3/18/2021) | (0.218 - 0.112)/(35 - 33) | 0.053 |

| | | | |
|---|---|---|---|
| 0.165 (11/23/2021) | 0.112 (3/18/2021) | (0.165 - 0.112)/(36 - 33) | 0.0176667 |
| ND<0.1 U (1/11/2022) | 0.112 (3/18/2021) | (0.1 - 0.112)/(37 - 33) | -0.003 |
| 0.255 (4/7/2022) | 0.112 (3/18/2021) | (0.255 - 0.112)/(38 - 33) | 0.0286 |
| ND<0.1 U (8/2/2022) | 0.112 (3/18/2021) | (0.1 - 0.112)/(39 - 33) | -0.002 |
| 0.1 U (11/16/2022) | 0.112 (3/18/2021) | (0.1 - 0.112)/(40 - 33) | -0.00171429 |
| ND<0.1 U (2/14/2023) | 0.112 (3/18/2021) | (0.1 - 0.112)/(41 - 33) | -0.0015 |
| 0.0961 (5/25/2023) | 0.112 (3/18/2021) | (0.0961 - 0.112)/(42 - 33) | -0.00176667 |
| 0.17 (8/7/2023) | 0.112 (3/18/2021) | (0.17 - 0.112)/(43 - 33) | 0.0058 |
| 0.262 (12/12/2023) | 0.112 (3/18/2021) | (0.262 - 0.112)/(44 - 33) | 0.0136364 |
| 0.264 (1/10/2024) | 0.112 (3/18/2021) | (0.264 - 0.112)/(45 - 33) | 0.0126667 |
| 0.112 (5/21/2024) | 0.112 (3/18/2021) | (0.112 - 0.112)/(46 - 33) | 0 |
| 0.0871 (9/16/2024) | 0.112 (3/18/2021) | (0.0871 - 0.112)/(47 - 33) | -0.00177857 |
| 0.282 (12/11/2024) | 0.112 (3/18/2021) | (0.282 - 0.112)/(48 - 33) | 0.0113333 |
| 0.106 (2/18/2025) | 0.112 (3/18/2021) | (0.106 - 0.112)/(49 - 33) | -0.000375 |
| | | | |
| 0.218 (9/2/2021) | 0.1 U (5/5/2021) | (0.218 - 0.1)/(35 - 34) | 0.118 |
| 0.165 (11/23/2021) | 0.1 U (5/5/2021) | (0.165 - 0.1)/(36 - 34) | 0.0325 |
| ND<0.1 U (1/11/2022) | 0.1 U (5/5/2021) | (0.1 - 0.1)/(37 - 34) | 0 |
| 0.255 (4/7/2022) | 0.1 U (5/5/2021) | (0.255 - 0.1)/(38 - 34) | 0.03875 |
| ND<0.1 U (8/2/2022) | 0.1 U (5/5/2021) | (0.1 - 0.1)/(39 - 34) | 0 |
| 0.1 U (11/16/2022) | 0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/14/2023) | 0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.0961 (5/25/2023) | 0.1 U (5/5/2021) | (0.0961 - 0.1)/(42 - 34) | -0.0004875 |
| 0.17 (8/7/2023) | 0.1 U (5/5/2021) | (0.17 - 0.1)/(43 - 34) | 0.00777778 |
| 0.262 (12/12/2023) | 0.1 U (5/5/2021) | (0.262 - 0.1)/(44 - 34) | 0.0162 |
| 0.264 (1/10/2024) | 0.1 U (5/5/2021) | (0.264 - 0.1)/(45 - 34) | 0.0149091 |
| 0.112 (5/21/2024) | 0.1 U (5/5/2021) | (0.112 - 0.1)/(46 - 34) | 0.001 |
| 0.0871 (9/16/2024) | 0.1 U (5/5/2021) | (0.0871 - 0.1)/(47 - 34) | -0.000992308 |
| 0.282 (12/11/2024) | 0.1 U (5/5/2021) | (0.282 - 0.1)/(48 - 34) | 0.013 |
| 0.106 (2/18/2025) | 0.1 U (5/5/2021) | (0.106 - 0.1)/(49 - 34) | 0.0004 |
| | | | |
| 0.165 (11/23/2021) | 0.218 (9/2/2021) | (0.165 - 0.218)/(36 - 35) | -0.053 |
| ND<0.1 U (1/11/2022) | 0.218 (9/2/2021) | (0.1 - 0.218)/(37 - 35) | -0.059 |
| 0.255 (4/7/2022) | 0.218 (9/2/2021) | (0.255 - 0.218)/(38 - 35) | 0.0123333 |
| ND<0.1 U (8/2/2022) | 0.218 (9/2/2021) | (0.1 - 0.218)/(39 - 35) | -0.0295 |
| 0.1 U (11/16/2022) | 0.218 (9/2/2021) | (0.1 - 0.218)/(40 - 35) | -0.0236 |
| ND<0.1 U (2/14/2023) | 0.218 (9/2/2021) | (0.1 - 0.218)/(41 - 35) | -0.0196667 |
| 0.0961 (5/25/2023) | 0.218 (9/2/2021) | (0.0961 - 0.218)/(42 - 35) | -0.0174143 |
| 0.17 (8/7/2023) | 0.218 (9/2/2021) | (0.17 - 0.218)/(43 - 35) | -0.006 |
| 0.262 (12/12/2023) | 0.218 (9/2/2021) | (0.262 - 0.218)/(44 - 35) | 0.00488889 |
| 0.264 (1/10/2024) | 0.218 (9/2/2021) | (0.264 - 0.218)/(45 - 35) | 0.0046 |
| 0.112 (5/21/2024) | 0.218 (9/2/2021) | (0.112 - 0.218)/(46 - 35) | -0.00963636 |
| 0.0871 (9/16/2024) | 0.218 (9/2/2021) | (0.0871 - 0.218)/(47 - 35) | -0.0109083 |
| 0.282 (12/11/2024) | 0.218 (9/2/2021) | (0.282 - 0.218)/(48 - 35) | 0.00492308 |
| 0.106 (2/18/2025) | 0.218 (9/2/2021) | (0.106 - 0.218)/(49 - 35) | -0.008 |
| | | | |
| ND<0.1 U (1/11/2022) | 0.165 (11/23/2021) | (0.1 - 0.165)/(37 - 36) | -0.065 |
| 0.255 (4/7/2022) | 0.165 (11/23/2021) | (0.255 - 0.165)/(38 - 36) | 0.045 |
| ND<0.1 U (8/2/2022) | 0.165 (11/23/2021) | (0.1 - 0.165)/(39 - 36) | -0.0216667 |
| 0.1 U (11/16/2022) | 0.165 (11/23/2021) | (0.1 - 0.165)/(40 - 36) | -0.01625 |
| ND<0.1 U (2/14/2023) | 0.165 (11/23/2021) | (0.1 - 0.165)/(41 - 36) | -0.013 |
| 0.0961 (5/25/2023) | 0.165 (11/23/2021) | (0.0961 - 0.165)/(42 - 36) | -0.0114833 |
| 0.17 (8/7/2023) | 0.165 (11/23/2021) | (0.17 - 0.165)/(43 - 36) | 0.000714286 |
| 0.262 (12/12/2023) | 0.165 (11/23/2021) | (0.262 - 0.165)/(44 - 36) | 0.012125 |
| 0.264 (1/10/2024) | 0.165 (11/23/2021) | (0.264 - 0.165)/(45 - 36) | 0.011 |
| 0.112 (5/21/2024) | 0.165 (11/23/2021) | (0.112 - 0.165)/(46 - 36) | -0.0053 |
| 0.0871 (9/16/2024) | 0.165 (11/23/2021) | (0.0871 - 0.165)/(47 - 36) | -0.00708182 |

| | | | |
|---|---|---|---|
| 0.282 (12/11/2024) | 0.165 (11/23/2021) | (0.282 - 0.165)/(48 - 36) | 0.00975 |
| 0.106 (2/18/2025) | 0.165 (11/23/2021) | (0.106 - 0.165)/(49 - 36) | -0.00453846 |
| | | | |
| 0.255 (4/7/2022) | ND<0.1 U (1/11/2022) | (0.255 - 0.1)/(38 - 37) | 0.155 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(39 - 37) | 0 |
| 0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(41 - 37) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.0961 - 0.1)/(42 - 37) | -0.00078 |
| 0.17 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.17 - 0.1)/(43 - 37) | 0.0116667 |
| 0.262 (12/12/2023) | ND<0.1 U (1/11/2022) | (0.262 - 0.1)/(44 - 37) | 0.0231429 |
| 0.264 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.264 - 0.1)/(45 - 37) | 0.0205 |
| 0.112 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.112 - 0.1)/(46 - 37) | 0.00133333 |
| 0.0871 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0871 - 0.1)/(47 - 37) | -0.00129 |
| 0.282 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.282 - 0.1)/(48 - 37) | 0.0165455 |
| 0.106 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.106 - 0.1)/(49 - 37) | 0.0005 |
| | | | |
| ND<0.1 U (8/2/2022) | 0.255 (4/7/2022) | (0.1 - 0.255)/(39 - 38) | -0.155 |
| 0.1 U (11/16/2022) | 0.255 (4/7/2022) | (0.1 - 0.255)/(40 - 38) | -0.0775 |
| ND<0.1 U (2/14/2023) | 0.255 (4/7/2022) | (0.1 - 0.255)/(41 - 38) | -0.0516667 |
| 0.0961 (5/25/2023) | 0.255 (4/7/2022) | (0.0961 - 0.255)/(42 - 38) | -0.039725 |
| 0.17 (8/7/2023) | 0.255 (4/7/2022) | (0.17 - 0.255)/(43 - 38) | -0.017 |
| 0.262 (12/12/2023) | 0.255 (4/7/2022) | (0.262 - 0.255)/(44 - 38) | 0.00116667 |
| 0.264 (1/10/2024) | 0.255 (4/7/2022) | (0.264 - 0.255)/(45 - 38) | 0.00128571 |
| 0.112 (5/21/2024) | 0.255 (4/7/2022) | (0.112 - 0.255)/(46 - 38) | -0.017875 |
| 0.0871 (9/16/2024) | 0.255 (4/7/2022) | (0.0871 - 0.255)/(47 - 38) | -0.0186556 |
| 0.282 (12/11/2024) | 0.255 (4/7/2022) | (0.282 - 0.255)/(48 - 38) | 0.0027 |
| 0.106 (2/18/2025) | 0.255 (4/7/2022) | (0.106 - 0.255)/(49 - 38) | -0.0135455 |
| | | | |
| 0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| 0.0961 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0961 - 0.1)/(42 - 39) | -0.0013 |
| 0.17 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.17 - 0.1)/(43 - 39) | 0.0175 |
| 0.262 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.262 - 0.1)/(44 - 39) | 0.0324 |
| 0.264 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.264 - 0.1)/(45 - 39) | 0.0273333 |
| 0.112 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.112 - 0.1)/(46 - 39) | 0.00171429 |
| 0.0871 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0871 - 0.1)/(47 - 39) | -0.0016125 |
| 0.282 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.282 - 0.1)/(48 - 39) | 0.0202222 |
| 0.106 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.106 - 0.1)/(49 - 39) | 0.0006 |
| | | | |
| ND<0.1 U (2/14/2023) | 0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.0961 (5/25/2023) | 0.1 U (11/16/2022) | (0.0961 - 0.1)/(42 - 40) | -0.00195 |
| 0.17 (8/7/2023) | 0.1 U (11/16/2022) | (0.17 - 0.1)/(43 - 40) | 0.0233333 |
| 0.262 (12/12/2023) | 0.1 U (11/16/2022) | (0.262 - 0.1)/(44 - 40) | 0.0405 |
| 0.264 (1/10/2024) | 0.1 U (11/16/2022) | (0.264 - 0.1)/(45 - 40) | 0.0328 |
| 0.112 (5/21/2024) | 0.1 U (11/16/2022) | (0.112 - 0.1)/(46 - 40) | 0.002 |
| 0.0871 (9/16/2024) | 0.1 U (11/16/2022) | (0.0871 - 0.1)/(47 - 40) | -0.00184286 |
| 0.282 (12/11/2024) | 0.1 U (11/16/2022) | (0.282 - 0.1)/(48 - 40) | 0.02275 |
| 0.106 (2/18/2025) | 0.1 U (11/16/2022) | (0.106 - 0.1)/(49 - 40) | 0.000666667 |
| | | | |
| 0.0961 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.0961 - 0.1)/(42 - 41) | -0.0039 |
| 0.17 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.17 - 0.1)/(43 - 41) | 0.035 |
| 0.262 (12/12/2023) | ND<0.1 U (2/14/2023) | (0.262 - 0.1)/(44 - 41) | 0.054 |
| 0.264 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.264 - 0.1)/(45 - 41) | 0.041 |
| 0.112 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.112 - 0.1)/(46 - 41) | 0.0024 |
| 0.0871 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0871 - 0.1)/(47 - 41) | -0.00215 |
| 0.282 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.282 - 0.1)/(48 - 41) | 0.026 |
| 0.106 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.106 - 0.1)/(49 - 41) | 0.00075 |

| | | | |
|---|---|---|---|
| 0.17 (8/7/2023) | 0.0961 (5/25/2023) | (0.17 - 0.0961)/(43 - 42) | 0.0739 |
| 0.262 (12/12/2023) | 0.0961 (5/25/2023) | (0.262 - 0.0961)/(44 - 42) | 0.08295 |
| 0.264 (1/10/2024) | 0.0961 (5/25/2023) | (0.264 - 0.0961)/(45 - 42) | 0.0559667 |
| 0.112 (5/21/2024) | 0.0961 (5/25/2023) | (0.112 - 0.0961)/(46 - 42) | 0.003975 |
| 0.0871 (9/16/2024) | 0.0961 (5/25/2023) | (0.0871 - 0.0961)/(47 - 42) | -0.0018 |
| 0.282 (12/11/2024) | 0.0961 (5/25/2023) | (0.282 - 0.0961)/(48 - 42) | 0.0309833 |
| 0.106 (2/18/2025) | 0.0961 (5/25/2023) | (0.106 - 0.0961)/(49 - 42) | 0.00141429 |
| | | | |
| 0.262 (12/12/2023) | 0.17 (8/7/2023) | (0.262 - 0.17)/(44 - 43) | 0.092 |
| 0.264 (1/10/2024) | 0.17 (8/7/2023) | (0.264 - 0.17)/(45 - 43) | 0.047 |
| 0.112 (5/21/2024) | 0.17 (8/7/2023) | (0.112 - 0.17)/(46 - 43) | -0.0193333 |
| 0.0871 (9/16/2024) | 0.17 (8/7/2023) | (0.0871 - 0.17)/(47 - 43) | -0.020725 |
| 0.282 (12/11/2024) | 0.17 (8/7/2023) | (0.282 - 0.17)/(48 - 43) | 0.0224 |
| 0.106 (2/18/2025) | 0.17 (8/7/2023) | (0.106 - 0.17)/(49 - 43) | -0.0106667 |
| | | | |
| 0.264 (1/10/2024) | 0.262 (12/12/2023) | (0.264 - 0.262)/(45 - 44) | 0.002 |
| 0.112 (5/21/2024) | 0.262 (12/12/2023) | (0.112 - 0.262)/(46 - 44) | -0.075 |
| 0.0871 (9/16/2024) | 0.262 (12/12/2023) | (0.0871 - 0.262)/(47 - 44) | -0.0583 |
| 0.282 (12/11/2024) | 0.262 (12/12/2023) | (0.282 - 0.262)/(48 - 44) | 0.005 |
| 0.106 (2/18/2025) | 0.262 (12/12/2023) | (0.106 - 0.262)/(49 - 44) | -0.0312 |
| | | | |
| 0.112 (5/21/2024) | 0.264 (1/10/2024) | (0.112 - 0.264)/(46 - 45) | -0.152 |
| 0.0871 (9/16/2024) | 0.264 (1/10/2024) | (0.0871 - 0.264)/(47 - 45) | -0.08845 |
| 0.282 (12/11/2024) | 0.264 (1/10/2024) | (0.282 - 0.264)/(48 - 45) | 0.006 |
| 0.106 (2/18/2025) | 0.264 (1/10/2024) | (0.106 - 0.264)/(49 - 45) | -0.0395 |
| | | | |
| 0.0871 (9/16/2024) | 0.112 (5/21/2024) | (0.0871 - 0.112)/(47 - 46) | -0.0249 |
| 0.282 (12/11/2024) | 0.112 (5/21/2024) | (0.282 - 0.112)/(48 - 46) | 0.085 |
| 0.106 (2/18/2025) | 0.112 (5/21/2024) | (0.106 - 0.112)/(49 - 46) | -0.002 |
| | | | |
| 0.282 (12/11/2024) | 0.0871 (9/16/2024) | (0.282 - 0.0871)/(48 - 47) | 0.1949 |
| 0.106 (2/18/2025) | 0.0871 (9/16/2024) | (0.106 - 0.0871)/(49 - 47) | 0.00945 |
| | | | |
| 0.106 (2/18/2025) | 0.282 (12/11/2024) | (0.106 - 0.282)/(49 - 48) | -0.176 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.19 |
| 2 | -0.176 |
| 3 | -0.155 |
| 4 | -0.152 |
| 5 | -0.13 |
| 6 | -0.11 |
| 7 | -0.1 |
| 8 | -0.1 |
| 9 | -0.095 |
| 10 | -0.08845 |
| 11 | -0.085 |
| 12 | -0.08 |
| 13 | -0.0775 |
| 14 | -0.075 |
| 15 | -0.07 |
| 16 | -0.065 |

| | |
|---|---|
| 17 | -0.06 |
| 18 | -0.059 |
| 19 | -0.0583 |
| 20 | -0.0533333 |
| 21 | -0.053 |
| 22 | -0.0516667 |
| 23 | -0.05 |
| 24 | -0.05 |
| 25 | -0.05 |
| 26 | -0.05 |
| 27 | -0.0466667 |
| 28 | -0.04 |
| 29 | -0.04 |
| 30 | -0.039725 |
| 31 | -0.0395 |
| 32 | -0.038 |
| 33 | -0.0375 |
| 34 | -0.035 |
| 35 | -0.034 |
| 36 | -0.034 |
| 37 | -0.032 |
| 38 | -0.0312 |
| 39 | -0.0305 |
| 40 | -0.03 |
| 41 | -0.03 |
| 42 | -0.03 |
| 43 | -0.0295 |
| 44 | -0.029 |
| 45 | -0.028 |
| 46 | -0.0275 |
| 47 | -0.027 |
| 48 | -0.0266667 |
| 49 | -0.0249 |
| 50 | -0.0236 |
| 51 | -0.0216667 |
| 52 | -0.0214286 |
| 53 | -0.02125 |
| 54 | -0.020725 |
| 55 | -0.02 |
| 56 | -0.02 |
| 57 | -0.02 |
| 58 | -0.02 |
| 59 | -0.02 |
| 60 | -0.0196667 |
| 61 | -0.0193333 |
| 62 | -0.019 |
| 63 | -0.0188889 |
| 64 | -0.0186556 |
| 65 | -0.0185714 |
| 66 | -0.017875 |
| 67 | -0.0177778 |
| 68 | -0.0176667 |
| 69 | -0.0174143 |
| 70 | -0.0171429 |
| 71 | -0.017 |
| 72 | -0.017 |
| 73 | -0.0166667 |

| | |
|---|---|
| 74 | -0.0166667 |
| 75 | -0.0163636 |
| 76 | -0.01625 |
| 77 | -0.01625 |
| 78 | -0.0158 |
| 79 | -0.0157143 |
| 80 | -0.0155556 |
| 81 | -0.01525 |
| 82 | -0.015 |
| 83 | -0.0146154 |
| 84 | -0.0145 |
| 85 | -0.014 |
| 86 | -0.013875 |
| 87 | -0.01375 |
| 88 | -0.0136364 |
| 89 | -0.0135455 |
| 90 | -0.0133333 |
| 91 | -0.0133333 |
| 92 | -0.0130769 |
| 93 | -0.013 |
| 94 | -0.0125 |
| 95 | -0.0125 |
| 96 | -0.0122222 |
| 97 | -0.0122222 |
| 98 | -0.0122 |
| 99 | -0.012 |
| 100 | -0.011875 |
| 101 | -0.0116667 |
| 102 | -0.0116667 |
| 103 | -0.0116667 |
| 104 | -0.0116364 |
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| 859 | 0.00317647 |
| 860 | 0.00318182 |
| 861 | 0.00322222 |
| 862 | 0.00323529 |
| 863 | 0.00325 |
| 864 | 0.00333333 |
| 865 | 0.00335 |
| 866 | 0.00338462 |
| 867 | 0.00338889 |
| 868 | 0.0034 |
| 869 | 0.0034 |
| 870 | 0.0035 |
| 871 | 0.00353488 |

| | |
|---|---|
| 872 | 0.00353488 |
| 873 | 0.00357143 |
| 874 | 0.00357576 |
| 875 | 0.00358824 |
| 876 | 0.00361111 |
| 877 | 0.00364706 |
| 878 | 0.00365957 |
| 879 | 0.00368421 |
| 880 | 0.0036875 |
| 881 | 0.00369697 |
| 882 | 0.00378788 |
| 883 | 0.0038 |
| 884 | 0.00381395 |
| 885 | 0.00382609 |
| 886 | 0.00383784 |
| 887 | 0.00384615 |
| 888 | 0.00385714 |
| 889 | 0.00385714 |
| 890 | 0.00386207 |
| 891 | 0.003875 |
| 892 | 0.00388889 |
| 893 | 0.00390476 |
| 894 | 0.00391892 |
| 895 | 0.00395122 |
| 896 | 0.00395652 |
| 897 | 0.003975 |
| 898 | 0.004 |
| 899 | 0.004 |
| 900 | 0.004 |
| 901 | 0.00404444 |
| 902 | 0.00405263 |
| 903 | 0.00406061 |
| 904 | 0.00406897 |
| 905 | 0.00410811 |
| 906 | 0.00411765 |
| 907 | 0.004125 |
| 908 | 0.00416667 |
| 909 | 0.00419512 |
| 910 | 0.00420513 |
| 911 | 0.00422222 |
| 912 | 0.00425926 |
| 913 | 0.00426316 |
| 914 | 0.00430556 |
| 915 | 0.00433333 |
| 916 | 0.00433333 |
| 917 | 0.00435714 |
| 918 | 0.00442857 |
| 919 | 0.00444444 |
| 920 | 0.00453333 |
| 921 | 0.00453846 |
| 922 | 0.00454545 |
| 923 | 0.00455556 |
| 924 | 0.00456 |
| 925 | 0.00456522 |
| 926 | 0.0046 |
| 927 | 0.00462857 |
| 928 | 0.00466667 |

| | |
|---|---|
| 929 | 0.00466667 |
| 930 | 0.00467742 |
| 931 | 0.00468571 |
| 932 | 0.00471429 |
| 933 | 0.00472 |
| 934 | 0.00476471 |
| 935 | 0.00478947 |
| 936 | 0.00480769 |
| 937 | 0.00483333 |
| 938 | 0.00484375 |
| 939 | 0.00485714 |
| 940 | 0.00488889 |
| 941 | 0.00492308 |
| 942 | 0.005 |
| 943 | 0.005 |
| 944 | 0.005 |
| 945 | 0.005 |
| 946 | 0.005 |
| 947 | 0.005 |
| 948 | 0.005 |
| 949 | 0.005125 |
| 950 | 0.0052 |
| 951 | 0.00522581 |
| 952 | 0.00525 |
| 953 | 0.00534483 |
| 954 | 0.00536364 |
| 955 | 0.00541667 |
| 956 | 0.00553571 |
| 957 | 0.00555556 |
| 958 | 0.00563636 |
| 959 | 0.00568 |
| 960 | 0.00572222 |
| 961 | 0.0057619 |
| 962 | 0.0058 |
| 963 | 0.0058 |
| 964 | 0.00580952 |
| 965 | 0.00583333 |
| 966 | 0.00583333 |
| 967 | 0.00590909 |
| 968 | 0.00592308 |
| 969 | 0.00593103 |
| 970 | 0.00594118 |
| 971 | 0.006 |
| 972 | 0.006 |
| 973 | 0.006 |
| 974 | 0.006 |
| 975 | 0.00606667 |
| 976 | 0.00607407 |
| 977 | 0.00608 |
| 978 | 0.00619048 |
| 979 | 0.0062 |
| 980 | 0.00623077 |
| 981 | 0.00625 |
| 982 | 0.00636364 |
| 983 | 0.006375 |
| 984 | 0.00647059 |
| 985 | 0.0065 |

| | |
|---|---|
| 986 | 0.0065 |
| 987 | 0.00666667 |
| 988 | 0.00666667 |
| 989 | 0.00674074 |
| 990 | 0.00675 |
| 991 | 0.00677778 |
| 992 | 0.00683333 |
| 993 | 0.00694118 |
| 994 | 0.007 |
| 995 | 0.00704348 |
| 996 | 0.007125 |
| 997 | 0.00714286 |
| 998 | 0.00725 |
| 999 | 0.00733333 |
| 1000 | 0.00736842 |
| 1001 | 0.0074 |
| 1002 | 0.0075 |
| 1003 | 0.0075 |
| 1004 | 0.0075 |
| 1005 | 0.00758333 |
| 1006 | 0.00763158 |
| 1007 | 0.00764706 |
| 1008 | 0.00766667 |
| 1009 | 0.00775 |
| 1010 | 0.00777778 |
| 1011 | 0.00780952 |
| 1012 | 0.00785714 |
| 1013 | 0.00791304 |
| 1014 | 0.008 |
| 1015 | 0.008 |
| 1016 | 0.008 |
| 1017 | 0.0081 |
| 1018 | 0.0082 |
| 1019 | 0.00827273 |
| 1020 | 0.00833333 |
| 1021 | 0.00842857 |
| 1022 | 0.0085 |
| 1023 | 0.0085 |
| 1024 | 0.00852632 |
| 1025 | 0.00854545 |
| 1026 | 0.00863158 |
| 1027 | 0.00866667 |
| 1028 | 0.00875 |
| 1029 | 0.009 |
| 1030 | 0.009 |
| 1031 | 0.00909091 |
| 1032 | 0.00911765 |
| 1033 | 0.00928571 |
| 1034 | 0.00945 |
| 1035 | 0.0095 |
| 1036 | 0.00957895 |
| 1037 | 0.00975 |
| 1038 | 0.01 |
| 1039 | 0.01 |
| 1040 | 0.01 |
| 1041 | 0.01 |
| 1042 | 0.01 |

| | |
|---|---|
| 1043 | 0.01 |
| 1044 | 0.01 |
| 1045 | 0.01 |
| 1046 | 0.0101667 |
| 1047 | 0.01025 |
| 1048 | 0.0106667 |
| 1049 | 0.0107059 |
| 1050 | 0.0107273 |
| 1051 | 0.0107692 |
| 1052 | 0.0107692 |
| 1053 | 0.0108 |
| 1054 | 0.011 |
| 1055 | 0.011 |
| 1056 | 0.0110714 |
| 1057 | 0.0113333 |
| 1058 | 0.0113333 |
| 1059 | 0.011375 |
| 1060 | 0.0116667 |
| 1061 | 0.0116667 |
| 1062 | 0.0116667 |
| 1063 | 0.0117143 |
| 1064 | 0.0118 |
| 1065 | 0.0119231 |
| 1066 | 0.012 |
| 1067 | 0.012 |
| 1068 | 0.0121 |
| 1069 | 0.012125 |
| 1070 | 0.0121429 |
| 1071 | 0.0123333 |
| 1072 | 0.0124615 |
| 1073 | 0.0125 |
| 1074 | 0.0126154 |
| 1075 | 0.0126667 |
| 1076 | 0.0127273 |
| 1077 | 0.0128571 |
| 1078 | 0.0129167 |
| 1079 | 0.013 |
| 1080 | 0.013 |
| 1081 | 0.0130769 |
| 1082 | 0.0131111 |
| 1083 | 0.0133333 |
| 1084 | 0.0135 |
| 1085 | 0.0136364 |
| 1086 | 0.0136364 |
| 1087 | 0.01375 |
| 1088 | 0.0149091 |
| 1089 | 0.015 |
| 1090 | 0.015 |
| 1091 | 0.0155556 |
| 1092 | 0.0157143 |
| 1093 | 0.01575 |
| 1094 | 0.016 |
| 1095 | 0.0162 |
| 1096 | 0.01625 |
| 1097 | 0.0165455 |
| 1098 | 0.017 |
| 1099 | 0.017 |

| | |
|---|---|
| 1100 | 0.0172222 |
| 1101 | 0.0175 |
| 1102 | 0.0176667 |
| 1103 | 0.0177778 |
| 1104 | 0.0178 |
| 1105 | 0.01875 |
| 1106 | 0.0196667 |
| 1107 | 0.02 |
| 1108 | 0.02 |
| 1109 | 0.02 |
| 1110 | 0.0202222 |
| 1111 | 0.0203333 |
| 1112 | 0.0205 |
| 1113 | 0.0221429 |
| 1114 | 0.0224 |
| 1115 | 0.02275 |
| 1116 | 0.0231429 |
| 1117 | 0.0233333 |
| 1118 | 0.0242857 |
| 1119 | 0.025 |
| 1120 | 0.025 |
| 1121 | 0.0257143 |
| 1122 | 0.0258333 |
| 1123 | 0.026 |
| 1124 | 0.026 |
| 1125 | 0.0273333 |
| 1126 | 0.0275 |
| 1127 | 0.0283333 |
| 1128 | 0.0286 |
| 1129 | 0.029 |
| 1130 | 0.0295 |
| 1131 | 0.03 |
| 1132 | 0.03 |
| 1133 | 0.0305 |
| 1134 | 0.0309833 |
| 1135 | 0.0316667 |
| 1136 | 0.0324 |
| 1137 | 0.0325 |
| 1138 | 0.0328 |
| 1139 | 0.035 |
| 1140 | 0.035 |
| 1141 | 0.035 |
| 1142 | 0.0366667 |
| 1143 | 0.0375 |
| 1144 | 0.038 |
| 1145 | 0.03875 |
| 1146 | 0.0393333 |
| 1147 | 0.04 |
| 1148 | 0.04 |
| 1149 | 0.0405 |
| 1150 | 0.041 |
| 1151 | 0.0433333 |
| 1152 | 0.045 |
| 1153 | 0.045 |
| 1154 | 0.047 |
| 1155 | 0.05 |
| 1156 | 0.053 |

| | |
|---|---|
| 1157 | 0.0533333 |
| 1158 | 0.054 |
| 1159 | 0.0559667 |
| 1160 | 0.0566667 |
| 1161 | 0.06 |
| 1162 | 0.061 |
| 1163 | 0.0739 |
| 1164 | 0.08 |
| 1165 | 0.08295 |
| 1166 | 0.085 |
| 1167 | 0.092 |
| 1168 | 0.095 |
| 1169 | 0.118 |
| 1170 | 0.12 |
| 1171 | 0.14 |
| 1172 | 0.15 |
| 1173 | 0.155 |
| 1174 | 0.16 |
| 1175 | 0.18 |
| 1176 | 0.1949 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.11 | 3 |
| 2 | 0.1 | 19 |
| 3 | 0.13 | 2 |
| 4 | 0.14 | 2 |
| 5 | 0.15 | 2 |
| 6 | 0.112 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/29/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |

| | |
|---|---|
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 14844
B = 0
C = 5820
D = 0
E = 356
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12634
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 184.883
M1 = (1176 - 184.883)/2.0 = 495.558
M2 = (1176 + 184.883)/2.0 + 1 = 681.442
Lower limit is -0.000118182 = Q(496)
Upper limit is 0 = Q(681)
-0.000118182 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SS 13
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.12 (12/10/2013) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(4 - 1) | 0.00666667 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| 0.12 (6/26/2014) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(6 - 1) | 0.004 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (3/12/2013) | (0.18 - 0.1)/(12 - 1) | 0.00727273 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(16 - 1) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(17 - 1) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(20 - 1) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (3/12/2013) | (0.14 - 0.1)/(22 - 1) | 0.00190476 |
| 0.308 (8/1/2018) | ND<0.1 U (3/12/2013) | (0.308 - 0.1)/(23 - 1) | 0.00945455 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(24 - 1) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(27 - 1) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(28 - 1) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (3/12/2013) | (0.147 - 0.1)/(29 - 1) | 0.00167857 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (3/12/2013) | (0.2 - 0.1)/(31 - 1) | 0.00333333 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (3/12/2013) | (0.16 - 0.1)/(34 - 1) | 0.00181818 |
| 0.108 (9/2/2021) | ND<0.1 U (3/12/2013) | (0.108 - 0.1)/(35 - 1) | 0.000235294 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(38 - 1) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (3/12/2013) | (0.0655 - 0.1)/(42 - 1) | -0.000841463 |
| 0.111 (8/7/2023) | ND<0.1 U (3/12/2013) | (0.111 - 0.1)/(43 - 1) | 0.000261905 |
| 0.0822 (12/12/2023) | ND<0.1 U (3/12/2013) | (0.0822 - 0.1)/(44 - 1) | -0.000413953 |
| 0.0934 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.0934 - 0.1)/(45 - 1) | -0.00015 |
| 0.156 (5/20/2024) | ND<0.1 U (3/12/2013) | (0.156 - 0.1)/(46 - 1) | 0.00124444 |
| 0.129 (9/16/2024) | ND<0.1 U (3/12/2013) | (0.129 - 0.1)/(47 - 1) | 0.000630435 |
| 0.159 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.159 - 0.1)/(48 - 1) | 0.00125532 |
| 0.163 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.163 - 0.1)/(49 - 1) | 0.0013125 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.12 (12/10/2013) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(4 - 2) | 0.01 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| 0.12 (6/26/2014) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(6 - 2) | 0.005 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.18 - 0.1)/(12 - 2) | 0.008 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(16 - 2) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(17 - 2) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (5/8/2013) | (0.14 - 0.1)/(22 - 2) | 0.002 |
| 0.308 (8/1/2018) | ND<0.1 U (5/8/2013) | (0.308 - 0.1)/(23 - 2) | 0.00990476 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(24 - 2) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(27 - 2) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(28 - 2) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (5/8/2013) | (0.147 - 0.1)/(29 - 2) | 0.00174074 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (5/8/2013) | (0.2 - 0.1)/(31 - 2) | 0.00344828 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (5/8/2013) | (0.16 - 0.1)/(34 - 2) | 0.001875 |
| 0.108 (9/2/2021) | ND<0.1 U (5/8/2013) | (0.108 - 0.1)/(35 - 2) | 0.000242424 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(36 - 2) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(38 - 2) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (5/8/2013) | (0.0655 - 0.1)/(42 - 2) | -0.0008625 |
| 0.111 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.111 - 0.1)/(43 - 2) | 0.000268293 |
| 0.0822 (12/12/2023) | ND<0.1 U (5/8/2013) | (0.0822 - 0.1)/(44 - 2) | -0.00042381 |
| 0.0934 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.0934 - 0.1)/(45 - 2) | -0.000153488 |
| 0.156 (5/20/2024) | ND<0.1 U (5/8/2013) | (0.156 - 0.1)/(46 - 2) | 0.00127273 |
| 0.129 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.129 - 0.1)/(47 - 2) | 0.000644444 |
| 0.159 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.159 - 0.1)/(48 - 2) | 0.00128261 |
| 0.163 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.163 - 0.1)/(49 - 2) | 0.00134043 |
| | | | |
| 0.12 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(4 - 3) | 0.02 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| 0.12 (6/26/2014) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(6 - 3) | 0.00666667 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

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|---|---|---|---|
| 0.18 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.18 - 0.1)/(12 - 3) | 0.00888889 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(16 - 3) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(17 - 3) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(22 - 3) | 0.00210526 |
| 0.308 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.308 - 0.1)/(23 - 3) | 0.0104 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(27 - 3) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.147 - 0.1)/(29 - 3) | 0.00180769 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(31 - 3) | 0.00357143 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (9/23/2013) | (0.16 - 0.1)/(34 - 3) | 0.00193548 |
| 0.108 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(35 - 3) | 0.00025 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.0655 - 0.1)/(42 - 3) | -0.000884615 |
| 0.111 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.111 - 0.1)/(43 - 3) | 0.000275 |
| 0.0822 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.0822 - 0.1)/(44 - 3) | -0.000434146 |
| 0.0934 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.0934 - 0.1)/(45 - 3) | -0.000157143 |
| 0.156 (5/20/2024) | ND<0.1 U (9/23/2013) | (0.156 - 0.1)/(46 - 3) | 0.00130233 |
| 0.129 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.129 - 0.1)/(47 - 3) | 0.000659091 |
| 0.159 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.159 - 0.1)/(48 - 3) | 0.00131111 |
| 0.163 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.163 - 0.1)/(49 - 3) | 0.00136957 |
| | | | |
| ND<0.1 U (2/6/2014) | 0.12 (12/10/2013) | (0.1 - 0.12)/(5 - 4) | -0.02 |
| 0.12 (6/26/2014) | 0.12 (12/10/2013) | (0.12 - 0.12)/(6 - 4) | 0 |
| ND<0.1 U (9/30/2014) | 0.12 (12/10/2013) | (0.1 - 0.12)/(7 - 4) | -0.00666667 |
| ND<0.1 U (11/19/2014) | 0.12 (12/10/2013) | (0.1 - 0.12)/(8 - 4) | -0.005 |
| ND<0.1 U (3/23/2015) | 0.12 (12/10/2013) | (0.1 - 0.12)/(9 - 4) | -0.004 |
| ND<0.1 U (4/22/2015) | 0.12 (12/10/2013) | (0.1 - 0.12)/(10 - 4) | -0.00333333 |
| ND<0.1 U (9/30/2015) | 0.12 (12/10/2013) | (0.1 - 0.12)/(11 - 4) | -0.00285714 |
| 0.18 (11/19/2015) | 0.12 (12/10/2013) | (0.18 - 0.12)/(12 - 4) | 0.0075 |
| ND<0.1 U (3/15/2016) | 0.12 (12/10/2013) | (0.1 - 0.12)/(13 - 4) | -0.00222222 |
| ND<0.1 U (6/29/2016) | 0.12 (12/10/2013) | (0.1 - 0.12)/(14 - 4) | -0.002 |
| ND<0.1 U (8/9/2016) | 0.12 (12/10/2013) | (0.1 - 0.12)/(15 - 4) | -0.00181818 |
| ND<0.1 U (12/7/2016) | 0.12 (12/10/2013) | (0.1 - 0.12)/(16 - 4) | -0.00166667 |
| ND<0.1 U (3/2/2017) | 0.12 (12/10/2013) | (0.1 - 0.12)/(17 - 4) | -0.00153846 |
| ND<0.1 U (6/21/2017) | 0.12 (12/10/2013) | (0.1 - 0.12)/(18 - 4) | -0.00142857 |
| ND<0.1 U (8/17/2017) | 0.12 (12/10/2013) | (0.1 - 0.12)/(19 - 4) | -0.00133333 |
| ND<0.1 U (10/26/2017) | 0.12 (12/10/2013) | (0.1 - 0.12)/(20 - 4) | -0.00125 |
| ND<0.1 U (3/27/2018) | 0.12 (12/10/2013) | (0.1 - 0.12)/(21 - 4) | -0.00117647 |
| 0.14 (6/26/2018) | 0.12 (12/10/2013) | (0.14 - 0.12)/(22 - 4) | 0.00111111 |

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|---|---|---|---|
| 0.308 (8/1/2018) | 0.12 (12/10/2013) | (0.308 - 0.12)/(23 - 4) | 0.00989474 |
| ND<0.1 U (12/11/2018) | 0.12 (12/10/2013) | (0.1 - 0.12)/(24 - 4) | -0.001 |
| ND<0.1 U (4/17/2019) | 0.12 (12/10/2013) | (0.1 - 0.12)/(25 - 4) | -0.000952381 |
| ND<0.1 U (6/11/2019) | 0.12 (12/10/2013) | (0.1 - 0.12)/(26 - 4) | -0.000909091 |
| ND<0.1 U (8/28/2019) | 0.12 (12/10/2013) | (0.1 - 0.12)/(27 - 4) | -0.000869565 |
| ND<0.1 U (10/28/2019) | 0.12 (12/10/2013) | (0.1 - 0.12)/(28 - 4) | -0.000833333 |
| 0.147 (3/31/2020) | 0.12 (12/10/2013) | (0.147 - 0.12)/(29 - 4) | 0.00108 |
| ND<0.1 U (6/10/2020) | 0.12 (12/10/2013) | (0.1 - 0.12)/(30 - 4) | -0.000769231 |
| 0.2 (9/21/2020) | 0.12 (12/10/2013) | (0.2 - 0.12)/(31 - 4) | 0.00296296 |
| ND<0.1 U (12/17/2020) | 0.12 (12/10/2013) | (0.1 - 0.12)/(32 - 4) | -0.000714286 |
| ND<0.1 U (3/18/2021) | 0.12 (12/10/2013) | (0.1 - 0.12)/(33 - 4) | -0.000689655 |
| 0.16 (5/5/2021) | 0.12 (12/10/2013) | (0.16 - 0.12)/(34 - 4) | 0.00133333 |
| 0.108 (9/2/2021) | 0.12 (12/10/2013) | (0.108 - 0.12)/(35 - 4) | -0.000387097 |
| ND<0.1 U (11/23/2021) | 0.12 (12/10/2013) | (0.1 - 0.12)/(36 - 4) | -0.000625 |
| ND<0.1 U (1/10/2022) | 0.12 (12/10/2013) | (0.1 - 0.12)/(37 - 4) | -0.000606061 |
| ND<0.1 U (4/7/2022) | 0.12 (12/10/2013) | (0.1 - 0.12)/(38 - 4) | -0.000588235 |
| ND<0.1 U (8/3/2022) | 0.12 (12/10/2013) | (0.1 - 0.12)/(39 - 4) | -0.000571429 |
| ND<0.1 U (11/16/2022) | 0.12 (12/10/2013) | (0.1 - 0.12)/(40 - 4) | -0.000555556 |
| ND<0.1 U (2/13/2023) | 0.12 (12/10/2013) | (0.1 - 0.12)/(41 - 4) | -0.000540541 |
| 0.0655 (5/24/2023) | 0.12 (12/10/2013) | (0.0655 - 0.12)/(42 - 4) | -0.00143421 |
| 0.111 (8/7/2023) | 0.12 (12/10/2013) | (0.111 - 0.12)/(43 - 4) | -0.000230769 |
| 0.0822 (12/12/2023) | 0.12 (12/10/2013) | (0.0822 - 0.12)/(44 - 4) | -0.000945 |
| 0.0934 (1/10/2024) | 0.12 (12/10/2013) | (0.0934 - 0.12)/(45 - 4) | -0.00064878 |
| 0.156 (5/20/2024) | 0.12 (12/10/2013) | (0.156 - 0.12)/(46 - 4) | 0.000857143 |
| 0.129 (9/16/2024) | 0.12 (12/10/2013) | (0.129 - 0.12)/(47 - 4) | 0.000209302 |
| 0.159 (12/11/2024) | 0.12 (12/10/2013) | (0.159 - 0.12)/(48 - 4) | 0.000886364 |
| 0.163 (2/18/2025) | 0.12 (12/10/2013) | (0.163 - 0.12)/(49 - 4) | 0.000955556 |

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|---|---|---|---|
| 0.12 (6/26/2014) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(6 - 5) | 0.02 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(11 - 5) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (2/6/2014) | (0.18 - 0.1)/(12 - 5) | 0.0114286 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(16 - 5) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(17 - 5) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(18 - 5) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(21 - 5) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (2/6/2014) | (0.14 - 0.1)/(22 - 5) | 0.00235294 |
| 0.308 (8/1/2018) | ND<0.1 U (2/6/2014) | (0.308 - 0.1)/(23 - 5) | 0.0115556 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(24 - 5) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(27 - 5) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(28 - 5) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (2/6/2014) | (0.147 - 0.1)/(29 - 5) | 0.00195833 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (2/6/2014) | (0.2 - 0.1)/(31 - 5) | 0.00384615 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (2/6/2014) | (0.16 - 0.1)/(34 - 5) | 0.00206897 |

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|---|---|---|---|
| 0.108 (9/2/2021) | ND<0.1 U (2/6/2014) | (0.108 - 0.1)/(35 - 5) | 0.000266667 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(36 - 5) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(37 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(38 - 5) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(39 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (2/6/2014) | (0.0655 - 0.1)/(42 - 5) | -0.000932432 |
| 0.111 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.111 - 0.1)/(43 - 5) | 0.000289474 |
| 0.0822 (12/12/2023) | ND<0.1 U (2/6/2014) | (0.0822 - 0.1)/(44 - 5) | -0.00045641 |
| 0.0934 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.0934 - 0.1)/(45 - 5) | -0.000165 |
| 0.156 (5/20/2024) | ND<0.1 U (2/6/2014) | (0.156 - 0.1)/(46 - 5) | 0.00136585 |
| 0.129 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.129 - 0.1)/(47 - 5) | 0.000690476 |
| 0.159 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.159 - 0.1)/(48 - 5) | 0.00137209 |
| 0.163 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.163 - 0.1)/(49 - 5) | 0.00143182 |
| | | | |
| ND<0.1 U (9/30/2014) | 0.12 (6/26/2014) | (0.1 - 0.12)/(7 - 6) | -0.02 |
| ND<0.1 U (11/19/2014) | 0.12 (6/26/2014) | (0.1 - 0.12)/(8 - 6) | -0.01 |
| ND<0.1 U (3/23/2015) | 0.12 (6/26/2014) | (0.1 - 0.12)/(9 - 6) | -0.00666667 |
| ND<0.1 U (4/22/2015) | 0.12 (6/26/2014) | (0.1 - 0.12)/(10 - 6) | -0.005 |
| ND<0.1 U (9/30/2015) | 0.12 (6/26/2014) | (0.1 - 0.12)/(11 - 6) | -0.004 |
| 0.18 (11/19/2015) | 0.12 (6/26/2014) | (0.18 - 0.12)/(12 - 6) | 0.01 |
| ND<0.1 U (3/15/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(13 - 6) | -0.00285714 |
| ND<0.1 U (6/29/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(14 - 6) | -0.0025 |
| ND<0.1 U (8/9/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(15 - 6) | -0.00222222 |
| ND<0.1 U (12/7/2016) | 0.12 (6/26/2014) | (0.1 - 0.12)/(16 - 6) | -0.002 |
| ND<0.1 U (3/2/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(17 - 6) | -0.00181818 |
| ND<0.1 U (6/21/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(18 - 6) | -0.00166667 |
| ND<0.1 U (8/17/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(19 - 6) | -0.00153846 |
| ND<0.1 U (10/26/2017) | 0.12 (6/26/2014) | (0.1 - 0.12)/(20 - 6) | -0.00142857 |
| ND<0.1 U (3/27/2018) | 0.12 (6/26/2014) | (0.1 - 0.12)/(21 - 6) | -0.00133333 |
| 0.14 (6/26/2018) | 0.12 (6/26/2014) | (0.14 - 0.12)/(22 - 6) | 0.00125 |
| 0.308 (8/1/2018) | 0.12 (6/26/2014) | (0.308 - 0.12)/(23 - 6) | 0.0110588 |
| ND<0.1 U (12/11/2018) | 0.12 (6/26/2014) | (0.1 - 0.12)/(24 - 6) | -0.00111111 |
| ND<0.1 U (4/17/2019) | 0.12 (6/26/2014) | (0.1 - 0.12)/(25 - 6) | -0.00105263 |
| ND<0.1 U (6/11/2019) | 0.12 (6/26/2014) | (0.1 - 0.12)/(26 - 6) | -0.001 |
| ND<0.1 U (8/28/2019) | 0.12 (6/26/2014) | (0.1 - 0.12)/(27 - 6) | -0.000952381 |
| ND<0.1 U (10/28/2019) | 0.12 (6/26/2014) | (0.1 - 0.12)/(28 - 6) | -0.000909091 |
| 0.147 (3/31/2020) | 0.12 (6/26/2014) | (0.147 - 0.12)/(29 - 6) | 0.00117391 |
| ND<0.1 U (6/10/2020) | 0.12 (6/26/2014) | (0.1 - 0.12)/(30 - 6) | -0.000833333 |
| 0.2 (9/21/2020) | 0.12 (6/26/2014) | (0.2 - 0.12)/(31 - 6) | 0.0032 |
| ND<0.1 U (12/17/2020) | 0.12 (6/26/2014) | (0.1 - 0.12)/(32 - 6) | -0.000769231 |
| ND<0.1 U (3/18/2021) | 0.12 (6/26/2014) | (0.1 - 0.12)/(33 - 6) | -0.000740741 |
| 0.16 (5/5/2021) | 0.12 (6/26/2014) | (0.16 - 0.12)/(34 - 6) | 0.00142857 |
| 0.108 (9/2/2021) | 0.12 (6/26/2014) | (0.108 - 0.12)/(35 - 6) | -0.000413793 |
| ND<0.1 U (11/23/2021) | 0.12 (6/26/2014) | (0.1 - 0.12)/(36 - 6) | -0.000666667 |
| ND<0.1 U (1/10/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(37 - 6) | -0.000645161 |
| ND<0.1 U (4/7/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(38 - 6) | -0.000625 |
| ND<0.1 U (8/3/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(39 - 6) | -0.000606061 |
| ND<0.1 U (11/16/2022) | 0.12 (6/26/2014) | (0.1 - 0.12)/(40 - 6) | -0.000588235 |
| ND<0.1 U (2/13/2023) | 0.12 (6/26/2014) | (0.1 - 0.12)/(41 - 6) | -0.000571429 |
| 0.0655 (5/24/2023) | 0.12 (6/26/2014) | (0.0655 - 0.12)/(42 - 6) | -0.00151389 |
| 0.111 (8/7/2023) | 0.12 (6/26/2014) | (0.111 - 0.12)/(43 - 6) | -0.000243243 |
| 0.0822 (12/12/2023) | 0.12 (6/26/2014) | (0.0822 - 0.12)/(44 - 6) | -0.000994737 |
| 0.0934 (1/10/2024) | 0.12 (6/26/2014) | (0.0934 - 0.12)/(45 - 6) | -0.000682051 |
| 0.156 (5/20/2024) | 0.12 (6/26/2014) | (0.156 - 0.12)/(46 - 6) | 0.0009 |
| 0.129 (9/16/2024) | 0.12 (6/26/2014) | (0.129 - 0.12)/(47 - 6) | 0.000219512 |

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|---|---|---|---|
| 0.159 (12/11/2024) | 0.12 (6/26/2014) | (0.159 - 0.12)/(48 - 6) | 0.000928571 |
| 0.163 (2/18/2025) | 0.12 (6/26/2014) | (0.163 - 0.12)/(49 - 6) | 0.001 |
| | | | |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.18 - 0.1)/(12 - 7) | 0.016 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(16 - 7) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(17 - 7) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 7) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (9/30/2014) | (0.14 - 0.1)/(22 - 7) | 0.00266667 |
| 0.308 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.308 - 0.1)/(23 - 7) | 0.013 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(27 - 7) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 7) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.147 - 0.1)/(29 - 7) | 0.00213636 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(31 - 7) | 0.00416667 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (9/30/2014) | (0.16 - 0.1)/(34 - 7) | 0.00222222 |
| 0.108 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(35 - 7) | 0.000285714 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 7) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.0655 - 0.1)/(42 - 7) | -0.000985714 |
| 0.111 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.111 - 0.1)/(43 - 7) | 0.000305556 |
| 0.0822 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.0822 - 0.1)/(44 - 7) | -0.000481081 |
| 0.0934 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.0934 - 0.1)/(45 - 7) | -0.000173684 |
| 0.156 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.156 - 0.1)/(46 - 7) | 0.0014359 |
| 0.129 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.129 - 0.1)/(47 - 7) | 0.000725 |
| 0.159 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.159 - 0.1)/(48 - 7) | 0.00143902 |
| 0.163 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.163 - 0.1)/(49 - 7) | 0.0015 |
| | | | |
| ND<0.1 U (3/23/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(10 - 8) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(11 - 8) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (11/19/2014) | (0.18 - 0.1)/(12 - 8) | 0.02 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(13 - 8) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(16 - 8) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(17 - 8) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(18 - 8) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(19 - 8) | 0 |

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|---|---|---|---|
| ND<0.1 U (10/26/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(20 - 8) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(21 - 8) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (11/19/2014) | (0.14 - 0.1)/(22 - 8) | 0.00285714 |
| 0.308 (8/1/2018) | ND<0.1 U (11/19/2014) | (0.308 - 0.1)/(23 - 8) | 0.0138667 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(24 - 8) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(25 - 8) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(26 - 8) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(27 - 8) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(28 - 8) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (11/19/2014) | (0.147 - 0.1)/(29 - 8) | 0.0022381 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(30 - 8) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (11/19/2014) | (0.2 - 0.1)/(31 - 8) | 0.00434783 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(32 - 8) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(33 - 8) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (11/19/2014) | (0.16 - 0.1)/(34 - 8) | 0.00230769 |
| 0.108 (9/2/2021) | ND<0.1 U (11/19/2014) | (0.108 - 0.1)/(35 - 8) | 0.000296296 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(36 - 8) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(37 - 8) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(38 - 8) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(39 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(40 - 8) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(41 - 8) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (11/19/2014) | (0.0655 - 0.1)/(42 - 8) | -0.00101471 |
| 0.111 (8/7/2023) | ND<0.1 U (11/19/2014) | (0.111 - 0.1)/(43 - 8) | 0.000314286 |
| 0.0822 (12/12/2023) | ND<0.1 U (11/19/2014) | (0.0822 - 0.1)/(44 - 8) | -0.000494444 |
| 0.0934 (1/10/2024) | ND<0.1 U (11/19/2014) | (0.0934 - 0.1)/(45 - 8) | -0.000178378 |
| 0.156 (5/20/2024) | ND<0.1 U (11/19/2014) | (0.156 - 0.1)/(46 - 8) | 0.00147368 |
| 0.129 (9/16/2024) | ND<0.1 U (11/19/2014) | (0.129 - 0.1)/(47 - 8) | 0.00074359 |
| 0.159 (12/11/2024) | ND<0.1 U (11/19/2014) | (0.159 - 0.1)/(48 - 8) | 0.001475 |
| 0.163 (2/18/2025) | ND<0.1 U (11/19/2014) | (0.163 - 0.1)/(49 - 8) | 0.00153659 |
| | | | |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (3/23/2015) | (0.18 - 0.1)/(12 - 9) | 0.0266667 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(16 - 9) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(17 - 9) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(20 - 9) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (3/23/2015) | (0.14 - 0.1)/(22 - 9) | 0.00307692 |
| 0.308 (8/1/2018) | ND<0.1 U (3/23/2015) | (0.308 - 0.1)/(23 - 9) | 0.0148571 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(24 - 9) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(27 - 9) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(28 - 9) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (3/23/2015) | (0.147 - 0.1)/(29 - 9) | 0.00235 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (3/23/2015) | (0.2 - 0.1)/(31 - 9) | 0.00454545 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (3/23/2015) | (0.16 - 0.1)/(34 - 9) | 0.0024 |
| 0.108 (9/2/2021) | ND<0.1 U (3/23/2015) | (0.108 - 0.1)/(35 - 9) | 0.000307692 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(36 - 9) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(38 - 9) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (3/23/2015) | (0.0655 - 0.1)/(42 - 9) | -0.00104545 |
| 0.111 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.111 - 0.1)/(43 - 9) | 0.000323529 |
| 0.0822 (12/12/2023) | ND<0.1 U (3/23/2015) | (0.0822 - 0.1)/(44 - 9) | -0.000508571 |
| 0.0934 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.0934 - 0.1)/(45 - 9) | -0.000183333 |
| 0.156 (5/20/2024) | ND<0.1 U (3/23/2015) | (0.156 - 0.1)/(46 - 9) | 0.00151351 |
| 0.129 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.129 - 0.1)/(47 - 9) | 0.000763158 |
| 0.159 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.159 - 0.1)/(48 - 9) | 0.00151282 |
| 0.163 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.163 - 0.1)/(49 - 9) | 0.001575 |
| | | | |
| ND<0.1 U (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| 0.18 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.18 - 0.1)/(12 - 10) | 0.04 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(16 - 10) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(17 - 10) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (4/22/2015) | (0.14 - 0.1)/(22 - 10) | 0.00333333 |
| 0.308 (8/1/2018) | ND<0.1 U (4/22/2015) | (0.308 - 0.1)/(23 - 10) | 0.016 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(24 - 10) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(27 - 10) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(28 - 10) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (4/22/2015) | (0.147 - 0.1)/(29 - 10) | 0.00247368 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (4/22/2015) | (0.2 - 0.1)/(31 - 10) | 0.0047619 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (4/22/2015) | (0.16 - 0.1)/(34 - 10) | 0.0025 |
| 0.108 (9/2/2021) | ND<0.1 U (4/22/2015) | (0.108 - 0.1)/(35 - 10) | 0.00032 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(36 - 10) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(38 - 10) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (4/22/2015) | (0.0655 - 0.1)/(42 - 10) | -0.00107813 |
| 0.111 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.111 - 0.1)/(43 - 10) | 0.000333333 |
| 0.0822 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.0822 - 0.1)/(44 - 10) | -0.000523529 |
| 0.0934 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.0934 - 0.1)/(45 - 10) | -0.000188571 |
| 0.156 (5/20/2024) | ND<0.1 U (4/22/2015) | (0.156 - 0.1)/(46 - 10) | 0.00155556 |
| 0.129 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.129 - 0.1)/(47 - 10) | 0.000783784 |
| 0.159 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.159 - 0.1)/(48 - 10) | 0.00155263 |
| 0.163 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.163 - 0.1)/(49 - 10) | 0.00161538 |
| | | | |
| 0.18 (11/19/2015) | ND<0.1 U (9/30/2015) | (0.18 - 0.1)/(12 - 11) | 0.08 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(13 - 11) | 0 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(16 - 11) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(17 - 11) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(21 - 11) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (9/30/2015) | (0.14 - 0.1)/(22 - 11) | 0.00363636 |
| 0.308 (8/1/2018) | ND<0.1 U (9/30/2015) | (0.308 - 0.1)/(23 - 11) | 0.0173333 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(24 - 11) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(27 - 11) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(28 - 11) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (9/30/2015) | (0.147 - 0.1)/(29 - 11) | 0.00261111 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(31 - 11) | 0.005 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (9/30/2015) | (0.16 - 0.1)/(34 - 11) | 0.0026087 |
| 0.108 (9/2/2021) | ND<0.1 U (9/30/2015) | (0.108 - 0.1)/(35 - 11) | 0.000333333 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(37 - 11) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(38 - 11) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (9/30/2015) | (0.0655 - 0.1)/(42 - 11) | -0.0011129 |
| 0.111 (8/7/2023) | ND<0.1 U (9/30/2015) | (0.111 - 0.1)/(43 - 11) | 0.00034375 |
| 0.0822 (12/12/2023) | ND<0.1 U (9/30/2015) | (0.0822 - 0.1)/(44 - 11) | -0.000539394 |
| 0.0934 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.0934 - 0.1)/(45 - 11) | -0.000194118 |
| 0.156 (5/20/2024) | ND<0.1 U (9/30/2015) | (0.156 - 0.1)/(46 - 11) | 0.0016 |
| 0.129 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.129 - 0.1)/(47 - 11) | 0.000805556 |
| 0.159 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.159 - 0.1)/(48 - 11) | 0.00159459 |
| 0.163 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.163 - 0.1)/(49 - 11) | 0.00165789 |

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|---|---|---|---|
| ND<0.1 U (3/15/2016) | 0.18 (11/19/2015) | (0.1 - 0.18)/(13 - 12) | -0.08 |
| ND<0.1 U (6/29/2016) | 0.18 (11/19/2015) | (0.1 - 0.18)/(14 - 12) | -0.04 |
| ND<0.1 U (8/9/2016) | 0.18 (11/19/2015) | (0.1 - 0.18)/(15 - 12) | -0.0266667 |
| ND<0.1 U (12/7/2016) | 0.18 (11/19/2015) | (0.1 - 0.18)/(16 - 12) | -0.02 |
| ND<0.1 U (3/2/2017) | 0.18 (11/19/2015) | (0.1 - 0.18)/(17 - 12) | -0.016 |
| ND<0.1 U (6/21/2017) | 0.18 (11/19/2015) | (0.1 - 0.18)/(18 - 12) | -0.0133333 |
| ND<0.1 U (8/17/2017) | 0.18 (11/19/2015) | (0.1 - 0.18)/(19 - 12) | -0.0114286 |
| ND<0.1 U (10/26/2017) | 0.18 (11/19/2015) | (0.1 - 0.18)/(20 - 12) | -0.01 |
| ND<0.1 U (3/27/2018) | 0.18 (11/19/2015) | (0.1 - 0.18)/(21 - 12) | -0.00888889 |
| 0.14 (6/26/2018) | 0.18 (11/19/2015) | (0.14 - 0.18)/(22 - 12) | -0.004 |
| 0.308 (8/1/2018) | 0.18 (11/19/2015) | (0.308 - 0.18)/(23 - 12) | 0.0116364 |
| ND<0.1 U (12/11/2018) | 0.18 (11/19/2015) | (0.1 - 0.18)/(24 - 12) | -0.00666667 |
| ND<0.1 U (4/17/2019) | 0.18 (11/19/2015) | (0.1 - 0.18)/(25 - 12) | -0.00615385 |
| ND<0.1 U (6/11/2019) | 0.18 (11/19/2015) | (0.1 - 0.18)/(26 - 12) | -0.00571429 |
| ND<0.1 U (8/28/2019) | 0.18 (11/19/2015) | (0.1 - 0.18)/(27 - 12) | -0.00533333 |
| ND<0.1 U (10/28/2019) | 0.18 (11/19/2015) | (0.1 - 0.18)/(28 - 12) | -0.005 |
| 0.147 (3/31/2020) | 0.18 (11/19/2015) | (0.147 - 0.18)/(29 - 12) | -0.00194118 |
| ND<0.1 U (6/10/2020) | 0.18 (11/19/2015) | (0.1 - 0.18)/(30 - 12) | -0.00444444 |
| 0.2 (9/21/2020) | 0.18 (11/19/2015) | (0.2 - 0.18)/(31 - 12) | 0.00105263 |
| ND<0.1 U (12/17/2020) | 0.18 (11/19/2015) | (0.1 - 0.18)/(32 - 12) | -0.004 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.18 (11/19/2015) | (0.1 - 0.18)/(33 - 12) | -0.00380952 |
| 0.16 (5/5/2021) | 0.18 (11/19/2015) | (0.16 - 0.18)/(34 - 12) | -0.000909091 |
| 0.108 (9/2/2021) | 0.18 (11/19/2015) | (0.108 - 0.18)/(35 - 12) | -0.00313043 |
| ND<0.1 U (11/23/2021) | 0.18 (11/19/2015) | (0.1 - 0.18)/(36 - 12) | -0.00333333 |
| ND<0.1 U (1/10/2022) | 0.18 (11/19/2015) | (0.1 - 0.18)/(37 - 12) | -0.0032 |
| ND<0.1 U (4/7/2022) | 0.18 (11/19/2015) | (0.1 - 0.18)/(38 - 12) | -0.00307692 |
| ND<0.1 U (8/3/2022) | 0.18 (11/19/2015) | (0.1 - 0.18)/(39 - 12) | -0.00296296 |
| ND<0.1 U (11/16/2022) | 0.18 (11/19/2015) | (0.1 - 0.18)/(40 - 12) | -0.00285714 |
| ND<0.1 U (2/13/2023) | 0.18 (11/19/2015) | (0.1 - 0.18)/(41 - 12) | -0.00275862 |
| 0.0655 (5/24/2023) | 0.18 (11/19/2015) | (0.0655 - 0.18)/(42 - 12) | -0.00381667 |
| 0.111 (8/7/2023) | 0.18 (11/19/2015) | (0.111 - 0.18)/(43 - 12) | -0.00222581 |
| 0.0822 (12/12/2023) | 0.18 (11/19/2015) | (0.0822 - 0.18)/(44 - 12) | -0.00305625 |
| 0.0934 (1/10/2024) | 0.18 (11/19/2015) | (0.0934 - 0.18)/(45 - 12) | -0.00262424 |
| 0.156 (5/20/2024) | 0.18 (11/19/2015) | (0.156 - 0.18)/(46 - 12) | -0.000705882 |
| 0.129 (9/16/2024) | 0.18 (11/19/2015) | (0.129 - 0.18)/(47 - 12) | -0.00145714 |
| 0.159 (12/11/2024) | 0.18 (11/19/2015) | (0.159 - 0.18)/(48 - 12) | -0.000583333 |
| 0.163 (2/18/2025) | 0.18 (11/19/2015) | (0.163 - 0.18)/(49 - 12) | -0.000459459 |
| | | | |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(14 - 13) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(15 - 13) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(16 - 13) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(17 - 13) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(18 - 13) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(19 - 13) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(20 - 13) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(21 - 13) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (3/15/2016) | (0.14 - 0.1)/(22 - 13) | 0.00444444 |
| 0.308 (8/1/2018) | ND<0.1 U (3/15/2016) | (0.308 - 0.1)/(23 - 13) | 0.0208 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(24 - 13) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(27 - 13) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(28 - 13) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (3/15/2016) | (0.147 - 0.1)/(29 - 13) | 0.0029375 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(30 - 13) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (3/15/2016) | (0.2 - 0.1)/(31 - 13) | 0.00555556 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (3/15/2016) | (0.16 - 0.1)/(34 - 13) | 0.00285714 |
| 0.108 (9/2/2021) | ND<0.1 U (3/15/2016) | (0.108 - 0.1)/(35 - 13) | 0.000363636 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(36 - 13) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(37 - 13) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(38 - 13) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(39 - 13) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (3/15/2016) | (0.0655 - 0.1)/(42 - 13) | -0.00118966 |
| 0.111 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.111 - 0.1)/(43 - 13) | 0.000366667 |
| 0.0822 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.0822 - 0.1)/(44 - 13) | -0.000574194 |
| 0.0934 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.0934 - 0.1)/(45 - 13) | -0.00020625 |
| 0.156 (5/20/2024) | ND<0.1 U (3/15/2016) | (0.156 - 0.1)/(46 - 13) | 0.00169697 |
| 0.129 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.129 - 0.1)/(47 - 13) | 0.000852941 |
| 0.159 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.159 - 0.1)/(48 - 13) | 0.00168571 |
| 0.163 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.163 - 0.1)/(49 - 13) | 0.00175 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| ND<0.1 U (12/7/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(16 - 14) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(17 - 14) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (6/29/2016) | (0.14 - 0.1)/(22 - 14) | 0.005 |
| 0.308 (8/1/2018) | ND<0.1 U (6/29/2016) | (0.308 - 0.1)/(23 - 14) | 0.0231111 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(27 - 14) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (6/29/2016) | (0.147 - 0.1)/(29 - 14) | 0.00313333 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(31 - 14) | 0.00588235 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (6/29/2016) | (0.16 - 0.1)/(34 - 14) | 0.003 |
| 0.108 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(35 - 14) | 0.000380952 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(38 - 14) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (6/29/2016) | (0.0655 - 0.1)/(42 - 14) | -0.00123214 |
| 0.111 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.111 - 0.1)/(43 - 14) | 0.00037931 |
| 0.0822 (12/12/2023) | ND<0.1 U (6/29/2016) | (0.0822 - 0.1)/(44 - 14) | -0.000593333 |
| 0.0934 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.0934 - 0.1)/(45 - 14) | -0.000212903 |
| 0.156 (5/20/2024) | ND<0.1 U (6/29/2016) | (0.156 - 0.1)/(46 - 14) | 0.00175 |
| 0.129 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.129 - 0.1)/(47 - 14) | 0.000878788 |
| 0.159 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.159 - 0.1)/(48 - 14) | 0.00173529 |
| 0.163 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.163 - 0.1)/(49 - 14) | 0.0018 |

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|---|---|---|---|
| ND<0.1 U (12/7/2016) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(16 - 15) | 0 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(17 - 15) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (8/9/2016) | (0.14 - 0.1)/(22 - 15) | 0.00571429 |
| 0.308 (8/1/2018) | ND<0.1 U (8/9/2016) | (0.308 - 0.1)/(23 - 15) | 0.026 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(27 - 15) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (8/9/2016) | (0.147 - 0.1)/(29 - 15) | 0.00335714 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (8/9/2016) | (0.2 - 0.1)/(31 - 15) | 0.00625 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (8/9/2016) | (0.16 - 0.1)/(34 - 15) | 0.00315789 |
| 0.108 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(35 - 15) | 0.0004 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(38 - 15) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (8/9/2016) | (0.0655 - 0.1)/(42 - 15) | -0.00127778 |
| 0.111 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.111 - 0.1)/(43 - 15) | 0.000392857 |
| 0.0822 (12/12/2023) | ND<0.1 U (8/9/2016) | (0.0822 - 0.1)/(44 - 15) | -0.000613793 |
| 0.0934 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.0934 - 0.1)/(45 - 15) | -0.00022 |
| 0.156 (5/20/2024) | ND<0.1 U (8/9/2016) | (0.156 - 0.1)/(46 - 15) | 0.00180645 |
| 0.129 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.129 - 0.1)/(47 - 15) | 0.00090625 |
| 0.159 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.159 - 0.1)/(48 - 15) | 0.00178788 |
| 0.163 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.163 - 0.1)/(49 - 15) | 0.00185294 |
| | | | |
| ND<0.1 U (3/2/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(17 - 16) | 0 |
| ND<0.1 U (6/21/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(18 - 16) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(19 - 16) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(20 - 16) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(21 - 16) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (12/7/2016) | (0.14 - 0.1)/(22 - 16) | 0.00666667 |
| 0.308 (8/1/2018) | ND<0.1 U (12/7/2016) | (0.308 - 0.1)/(23 - 16) | 0.0297143 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(24 - 16) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(25 - 16) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(26 - 16) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(27 - 16) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(28 - 16) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (12/7/2016) | (0.147 - 0.1)/(29 - 16) | 0.00361538 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(30 - 16) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (12/7/2016) | (0.2 - 0.1)/(31 - 16) | 0.00666667 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(32 - 16) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(33 - 16) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (12/7/2016) | (0.16 - 0.1)/(34 - 16) | 0.00333333 |
| 0.108 (9/2/2021) | ND<0.1 U (12/7/2016) | (0.108 - 0.1)/(35 - 16) | 0.000421053 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(36 - 16) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(37 - 16) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(38 - 16) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(39 - 16) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(40 - 16) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/7/2016) | (0.1 - 0.1)/(41 - 16) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (12/7/2016) | (0.0655 - 0.1)/(42 - 16) | -0.00132692 |
| 0.111 (8/7/2023) | ND<0.1 U (12/7/2016) | (0.111 - 0.1)/(43 - 16) | 0.000407407 |
| 0.0822 (12/12/2023) | ND<0.1 U (12/7/2016) | (0.0822 - 0.1)/(44 - 16) | -0.000635714 |
| 0.0934 (1/10/2024) | ND<0.1 U (12/7/2016) | (0.0934 - 0.1)/(45 - 16) | -0.000227586 |
| 0.156 (5/20/2024) | ND<0.1 U (12/7/2016) | (0.156 - 0.1)/(46 - 16) | 0.00186667 |
| 0.129 (9/16/2024) | ND<0.1 U (12/7/2016) | (0.129 - 0.1)/(47 - 16) | 0.000935484 |
| 0.159 (12/11/2024) | ND<0.1 U (12/7/2016) | (0.159 - 0.1)/(48 - 16) | 0.00184375 |
| 0.163 (2/18/2025) | ND<0.1 U (12/7/2016) | (0.163 - 0.1)/(49 - 16) | 0.00190909 |
| | | | |
| ND<0.1 U (6/21/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(18 - 17) | 0 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(19 - 17) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(20 - 17) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(21 - 17) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (3/2/2017) | (0.14 - 0.1)/(22 - 17) | 0.008 |
| 0.308 (8/1/2018) | ND<0.1 U (3/2/2017) | (0.308 - 0.1)/(23 - 17) | 0.0346667 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(24 - 17) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(25 - 17) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(26 - 17) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(27 - 17) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(28 - 17) | 0 |

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|---|---|---|---|
| 0.147 (3/31/2020) | ND<0.1 U (3/2/2017) | (0.147 - 0.1)/(29 - 17) | 0.00391667 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(30 - 17) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (3/2/2017) | (0.2 - 0.1)/(31 - 17) | 0.00714286 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(32 - 17) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(33 - 17) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (3/2/2017) | (0.16 - 0.1)/(34 - 17) | 0.00352941 |
| 0.108 (9/2/2021) | ND<0.1 U (3/2/2017) | (0.108 - 0.1)/(35 - 17) | 0.000444444 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(36 - 17) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(37 - 17) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(38 - 17) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(39 - 17) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(40 - 17) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(41 - 17) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (3/2/2017) | (0.0655 - 0.1)/(42 - 17) | -0.00138 |
| 0.111 (8/7/2023) | ND<0.1 U (3/2/2017) | (0.111 - 0.1)/(43 - 17) | 0.000423077 |
| 0.0822 (12/12/2023) | ND<0.1 U (3/2/2017) | (0.0822 - 0.1)/(44 - 17) | -0.000659259 |
| 0.0934 (1/10/2024) | ND<0.1 U (3/2/2017) | (0.0934 - 0.1)/(45 - 17) | -0.000235714 |
| 0.156 (5/20/2024) | ND<0.1 U (3/2/2017) | (0.156 - 0.1)/(46 - 17) | 0.00193103 |
| 0.129 (9/16/2024) | ND<0.1 U (3/2/2017) | (0.129 - 0.1)/(47 - 17) | 0.000966667 |
| 0.159 (12/11/2024) | ND<0.1 U (3/2/2017) | (0.159 - 0.1)/(48 - 17) | 0.00190323 |
| 0.163 (2/18/2025) | ND<0.1 U (3/2/2017) | (0.163 - 0.1)/(49 - 17) | 0.00196875 |
| | | | |
| ND<0.1 U (8/17/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (6/21/2017) | (0.14 - 0.1)/(22 - 18) | 0.01 |
| 0.308 (8/1/2018) | ND<0.1 U (6/21/2017) | (0.308 - 0.1)/(23 - 18) | 0.0416 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(24 - 18) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(27 - 18) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(28 - 18) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (6/21/2017) | (0.147 - 0.1)/(29 - 18) | 0.00427273 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (6/21/2017) | (0.2 - 0.1)/(31 - 18) | 0.00769231 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (6/21/2017) | (0.16 - 0.1)/(34 - 18) | 0.00375 |
| 0.108 (9/2/2021) | ND<0.1 U (6/21/2017) | (0.108 - 0.1)/(35 - 18) | 0.000470588 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(38 - 18) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/21/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (6/21/2017) | (0.0655 - 0.1)/(42 - 18) | -0.0014375 |
| 0.111 (8/7/2023) | ND<0.1 U (6/21/2017) | (0.111 - 0.1)/(43 - 18) | 0.00044 |
| 0.0822 (12/12/2023) | ND<0.1 U (6/21/2017) | (0.0822 - 0.1)/(44 - 18) | -0.000684615 |
| 0.0934 (1/10/2024) | ND<0.1 U (6/21/2017) | (0.0934 - 0.1)/(45 - 18) | -0.000244444 |
| 0.156 (5/20/2024) | ND<0.1 U (6/21/2017) | (0.156 - 0.1)/(46 - 18) | 0.002 |
| 0.129 (9/16/2024) | ND<0.1 U (6/21/2017) | (0.129 - 0.1)/(47 - 18) | 0.001 |
| 0.159 (12/11/2024) | ND<0.1 U (6/21/2017) | (0.159 - 0.1)/(48 - 18) | 0.00196667 |
| 0.163 (2/18/2025) | ND<0.1 U (6/21/2017) | (0.163 - 0.1)/(49 - 18) | 0.00203226 |
| | | | |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| ND<0.1 U (3/27/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(21 - 19) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (8/17/2017) | (0.14 - 0.1)/(22 - 19) | 0.0133333 |

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|---|---|---|---|
| 0.308 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.308 - 0.1)/(23 - 19) | 0.052 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(24 - 19) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(27 - 19) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.147 - 0.1)/(29 - 19) | 0.0047 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (8/17/2017) | (0.2 - 0.1)/(31 - 19) | 0.00833333 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (8/17/2017) | (0.16 - 0.1)/(34 - 19) | 0.004 |
| 0.108 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.108 - 0.1)/(35 - 19) | 0.0005 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(37 - 19) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(38 - 19) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (8/17/2017) | (0.0655 - 0.1)/(42 - 19) | -0.0015 |
| 0.111 (8/7/2023) | ND<0.1 U (8/17/2017) | (0.111 - 0.1)/(43 - 19) | 0.000458333 |
| 0.0822 (12/12/2023) | ND<0.1 U (8/17/2017) | (0.0822 - 0.1)/(44 - 19) | -0.000712 |
| 0.0934 (1/10/2024) | ND<0.1 U (8/17/2017) | (0.0934 - 0.1)/(45 - 19) | -0.000253846 |
| 0.156 (5/20/2024) | ND<0.1 U (8/17/2017) | (0.156 - 0.1)/(46 - 19) | 0.00207407 |
| 0.129 (9/16/2024) | ND<0.1 U (8/17/2017) | (0.129 - 0.1)/(47 - 19) | 0.00103571 |
| 0.159 (12/11/2024) | ND<0.1 U (8/17/2017) | (0.159 - 0.1)/(48 - 19) | 0.00203448 |
| 0.163 (2/18/2025) | ND<0.1 U (8/17/2017) | (0.163 - 0.1)/(49 - 19) | 0.0021 |
| | | | |
| ND<0.1 U (3/27/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(21 - 20) | 0 |
| 0.14 (6/26/2018) | ND<0.1 U (10/26/2017) | (0.14 - 0.1)/(22 - 20) | 0.02 |
| 0.308 (8/1/2018) | ND<0.1 U (10/26/2017) | (0.308 - 0.1)/(23 - 20) | 0.0693333 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(24 - 20) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(27 - 20) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(28 - 20) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (10/26/2017) | (0.147 - 0.1)/(29 - 20) | 0.00522222 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (10/26/2017) | (0.2 - 0.1)/(31 - 20) | 0.00909091 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(33 - 20) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (10/26/2017) | (0.16 - 0.1)/(34 - 20) | 0.00428571 |
| 0.108 (9/2/2021) | ND<0.1 U (10/26/2017) | (0.108 - 0.1)/(35 - 20) | 0.000533333 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(36 - 20) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(37 - 20) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(38 - 20) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (10/26/2017) | (0.0655 - 0.1)/(42 - 20) | -0.00156818 |
| 0.111 (8/7/2023) | ND<0.1 U (10/26/2017) | (0.111 - 0.1)/(43 - 20) | 0.000478261 |
| 0.0822 (12/12/2023) | ND<0.1 U (10/26/2017) | (0.0822 - 0.1)/(44 - 20) | -0.000741667 |
| 0.0934 (1/10/2024) | ND<0.1 U (10/26/2017) | (0.0934 - 0.1)/(45 - 20) | -0.000264 |
| 0.156 (5/20/2024) | ND<0.1 U (10/26/2017) | (0.156 - 0.1)/(46 - 20) | 0.00215385 |
| 0.129 (9/16/2024) | ND<0.1 U (10/26/2017) | (0.129 - 0.1)/(47 - 20) | 0.00107407 |
| 0.159 (12/11/2024) | ND<0.1 U (10/26/2017) | (0.159 - 0.1)/(48 - 20) | 0.00210714 |
| 0.163 (2/18/2025) | ND<0.1 U (10/26/2017) | (0.163 - 0.1)/(49 - 20) | 0.00217241 |

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|---|---|---|---|
| 0.14 (6/26/2018) | ND<0.1 U (3/27/2018) | (0.14 - 0.1)/(22 - 21) | 0.04 |
| 0.308 (8/1/2018) | ND<0.1 U (3/27/2018) | (0.308 - 0.1)/(23 - 21) | 0.104 |
| ND<0.1 U (12/11/2018) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(24 - 21) | 0 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(27 - 21) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(28 - 21) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (3/27/2018) | (0.147 - 0.1)/(29 - 21) | 0.005875 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (3/27/2018) | (0.2 - 0.1)/(31 - 21) | 0.01 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (3/27/2018) | (0.16 - 0.1)/(34 - 21) | 0.00461538 |
| 0.108 (9/2/2021) | ND<0.1 U (3/27/2018) | (0.108 - 0.1)/(35 - 21) | 0.000571429 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(36 - 21) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(38 - 21) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(39 - 21) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/27/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (3/27/2018) | (0.0655 - 0.1)/(42 - 21) | -0.00164286 |
| 0.111 (8/7/2023) | ND<0.1 U (3/27/2018) | (0.111 - 0.1)/(43 - 21) | 0.0005 |
| 0.0822 (12/12/2023) | ND<0.1 U (3/27/2018) | (0.0822 - 0.1)/(44 - 21) | -0.000773913 |
| 0.0934 (1/10/2024) | ND<0.1 U (3/27/2018) | (0.0934 - 0.1)/(45 - 21) | -0.000275 |
| 0.156 (5/20/2024) | ND<0.1 U (3/27/2018) | (0.156 - 0.1)/(46 - 21) | 0.00224 |
| 0.129 (9/16/2024) | ND<0.1 U (3/27/2018) | (0.129 - 0.1)/(47 - 21) | 0.00111538 |
| 0.159 (12/11/2024) | ND<0.1 U (3/27/2018) | (0.159 - 0.1)/(48 - 21) | 0.00218519 |
| 0.163 (2/18/2025) | ND<0.1 U (3/27/2018) | (0.163 - 0.1)/(49 - 21) | 0.00225 |
| | | | |
| 0.308 (8/1/2018) | 0.14 (6/26/2018) | (0.308 - 0.14)/(23 - 22) | 0.168 |
| ND<0.1 U (12/11/2018) | 0.14 (6/26/2018) | (0.1 - 0.14)/(24 - 22) | -0.02 |
| ND<0.1 U (4/17/2019) | 0.14 (6/26/2018) | (0.1 - 0.14)/(25 - 22) | -0.0133333 |
| ND<0.1 U (6/11/2019) | 0.14 (6/26/2018) | (0.1 - 0.14)/(26 - 22) | -0.01 |
| ND<0.1 U (8/28/2019) | 0.14 (6/26/2018) | (0.1 - 0.14)/(27 - 22) | -0.008 |
| ND<0.1 U (10/28/2019) | 0.14 (6/26/2018) | (0.1 - 0.14)/(28 - 22) | -0.00666667 |
| 0.147 (3/31/2020) | 0.14 (6/26/2018) | (0.147 - 0.14)/(29 - 22) | 0.001 |
| ND<0.1 U (6/10/2020) | 0.14 (6/26/2018) | (0.1 - 0.14)/(30 - 22) | -0.005 |
| 0.2 (9/21/2020) | 0.14 (6/26/2018) | (0.2 - 0.14)/(31 - 22) | 0.00666667 |
| ND<0.1 U (12/17/2020) | 0.14 (6/26/2018) | (0.1 - 0.14)/(32 - 22) | -0.004 |
| ND<0.1 U (3/18/2021) | 0.14 (6/26/2018) | (0.1 - 0.14)/(33 - 22) | -0.00363636 |
| 0.16 (5/5/2021) | 0.14 (6/26/2018) | (0.16 - 0.14)/(34 - 22) | 0.00166667 |
| 0.108 (9/2/2021) | 0.14 (6/26/2018) | (0.108 - 0.14)/(35 - 22) | -0.00246154 |
| ND<0.1 U (11/23/2021) | 0.14 (6/26/2018) | (0.1 - 0.14)/(36 - 22) | -0.00285714 |
| ND<0.1 U (1/10/2022) | 0.14 (6/26/2018) | (0.1 - 0.14)/(37 - 22) | -0.00266667 |
| ND<0.1 U (4/7/2022) | 0.14 (6/26/2018) | (0.1 - 0.14)/(38 - 22) | -0.0025 |
| ND<0.1 U (8/3/2022) | 0.14 (6/26/2018) | (0.1 - 0.14)/(39 - 22) | -0.00235294 |
| ND<0.1 U (11/16/2022) | 0.14 (6/26/2018) | (0.1 - 0.14)/(40 - 22) | -0.00222222 |
| ND<0.1 U (2/13/2023) | 0.14 (6/26/2018) | (0.1 - 0.14)/(41 - 22) | -0.00210526 |
| 0.0655 (5/24/2023) | 0.14 (6/26/2018) | (0.0655 - 0.14)/(42 - 22) | -0.003725 |
| 0.111 (8/7/2023) | 0.14 (6/26/2018) | (0.111 - 0.14)/(43 - 22) | -0.00138095 |
| 0.0822 (12/12/2023) | 0.14 (6/26/2018) | (0.0822 - 0.14)/(44 - 22) | -0.00262727 |
| 0.0934 (1/10/2024) | 0.14 (6/26/2018) | (0.0934 - 0.14)/(45 - 22) | -0.00202609 |
| 0.156 (5/20/2024) | 0.14 (6/26/2018) | (0.156 - 0.14)/(46 - 22) | 0.000666667 |
| 0.129 (9/16/2024) | 0.14 (6/26/2018) | (0.129 - 0.14)/(47 - 22) | -0.00044 |
| 0.159 (12/11/2024) | 0.14 (6/26/2018) | (0.159 - 0.14)/(48 - 22) | 0.000730769 |
| 0.163 (2/18/2025) | 0.14 (6/26/2018) | (0.163 - 0.14)/(49 - 22) | 0.000851852 |

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|---|---|---|---|
| ND<0.1 U (12/11/2018) | 0.308 (8/1/2018) | (0.1 - 0.308)/(24 - 23) | -0.208 |
| ND<0.1 U (4/17/2019) | 0.308 (8/1/2018) | (0.1 - 0.308)/(25 - 23) | -0.104 |
| ND<0.1 U (6/11/2019) | 0.308 (8/1/2018) | (0.1 - 0.308)/(26 - 23) | -0.0693333 |
| ND<0.1 U (8/28/2019) | 0.308 (8/1/2018) | (0.1 - 0.308)/(27 - 23) | -0.052 |
| ND<0.1 U (10/28/2019) | 0.308 (8/1/2018) | (0.1 - 0.308)/(28 - 23) | -0.0416 |
| 0.147 (3/31/2020) | 0.308 (8/1/2018) | (0.147 - 0.308)/(29 - 23) | -0.0268333 |
| ND<0.1 U (6/10/2020) | 0.308 (8/1/2018) | (0.1 - 0.308)/(30 - 23) | -0.0297143 |
| 0.2 (9/21/2020) | 0.308 (8/1/2018) | (0.2 - 0.308)/(31 - 23) | -0.0135 |
| ND<0.1 U (12/17/2020) | 0.308 (8/1/2018) | (0.1 - 0.308)/(32 - 23) | -0.0231111 |
| ND<0.1 U (3/18/2021) | 0.308 (8/1/2018) | (0.1 - 0.308)/(33 - 23) | -0.0208 |
| 0.16 (5/5/2021) | 0.308 (8/1/2018) | (0.16 - 0.308)/(34 - 23) | -0.0134545 |
| 0.108 (9/2/2021) | 0.308 (8/1/2018) | (0.108 - 0.308)/(35 - 23) | -0.0166667 |
| ND<0.1 U (11/23/2021) | 0.308 (8/1/2018) | (0.1 - 0.308)/(36 - 23) | -0.016 |
| ND<0.1 U (1/10/2022) | 0.308 (8/1/2018) | (0.1 - 0.308)/(37 - 23) | -0.0148571 |
| ND<0.1 U (4/7/2022) | 0.308 (8/1/2018) | (0.1 - 0.308)/(38 - 23) | -0.0138667 |
| ND<0.1 U (8/3/2022) | 0.308 (8/1/2018) | (0.1 - 0.308)/(39 - 23) | -0.013 |
| ND<0.1 U (11/16/2022) | 0.308 (8/1/2018) | (0.1 - 0.308)/(40 - 23) | -0.0122353 |
| ND<0.1 U (2/13/2023) | 0.308 (8/1/2018) | (0.1 - 0.308)/(41 - 23) | -0.0115556 |
| 0.0655 (5/24/2023) | 0.308 (8/1/2018) | (0.0655 - 0.308)/(42 - 23) | -0.0127632 |
| 0.111 (8/7/2023) | 0.308 (8/1/2018) | (0.111 - 0.308)/(43 - 23) | -0.00985 |
| 0.0822 (12/12/2023) | 0.308 (8/1/2018) | (0.0822 - 0.308)/(44 - 23) | -0.0107524 |
| 0.0934 (1/10/2024) | 0.308 (8/1/2018) | (0.0934 - 0.308)/(45 - 23) | -0.00975455 |
| 0.156 (5/20/2024) | 0.308 (8/1/2018) | (0.156 - 0.308)/(46 - 23) | -0.0066087 |
| 0.129 (9/16/2024) | 0.308 (8/1/2018) | (0.129 - 0.308)/(47 - 23) | -0.00745833 |
| 0.159 (12/11/2024) | 0.308 (8/1/2018) | (0.159 - 0.308)/(48 - 23) | -0.00596 |
| 0.163 (2/18/2025) | 0.308 (8/1/2018) | (0.163 - 0.308)/(49 - 23) | -0.00557692 |

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|---|---|---|---|
| ND<0.1 U (4/17/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(25 - 24) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(26 - 24) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(27 - 24) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(28 - 24) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (12/11/2018) | (0.147 - 0.1)/(29 - 24) | 0.0094 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(30 - 24) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (12/11/2018) | (0.2 - 0.1)/(31 - 24) | 0.0142857 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(33 - 24) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (12/11/2018) | (0.16 - 0.1)/(34 - 24) | 0.006 |
| 0.108 (9/2/2021) | ND<0.1 U (12/11/2018) | (0.108 - 0.1)/(35 - 24) | 0.000727273 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(36 - 24) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(37 - 24) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(38 - 24) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/11/2018) | (0.1 - 0.1)/(41 - 24) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (12/11/2018) | (0.0655 - 0.1)/(42 - 24) | -0.00191667 |
| 0.111 (8/7/2023) | ND<0.1 U (12/11/2018) | (0.111 - 0.1)/(43 - 24) | 0.000578947 |
| 0.0822 (12/12/2023) | ND<0.1 U (12/11/2018) | (0.0822 - 0.1)/(44 - 24) | -0.00089 |
| 0.0934 (1/10/2024) | ND<0.1 U (12/11/2018) | (0.0934 - 0.1)/(45 - 24) | -0.000314286 |
| 0.156 (5/20/2024) | ND<0.1 U (12/11/2018) | (0.156 - 0.1)/(46 - 24) | 0.00254545 |
| 0.129 (9/16/2024) | ND<0.1 U (12/11/2018) | (0.129 - 0.1)/(47 - 24) | 0.00126087 |
| 0.159 (12/11/2024) | ND<0.1 U (12/11/2018) | (0.159 - 0.1)/(48 - 24) | 0.00245833 |
| 0.163 (2/18/2025) | ND<0.1 U (12/11/2018) | (0.163 - 0.1)/(49 - 24) | 0.00252 |

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|---|---|---|---|
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| ND<0.1 U (8/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(27 - 25) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(28 - 25) | 0 |

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|---|---|---|---|
| 0.147 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.147 - 0.1)/(29 - 25) | 0.01175 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (4/17/2019) | (0.2 - 0.1)/(31 - 25) | 0.0166667 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (4/17/2019) | (0.16 - 0.1)/(34 - 25) | 0.00666667 |
| 0.108 (9/2/2021) | ND<0.1 U (4/17/2019) | (0.108 - 0.1)/(35 - 25) | 0.0008 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(36 - 25) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(38 - 25) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (4/17/2019) | (0.0655 - 0.1)/(42 - 25) | -0.00202941 |
| 0.111 (8/7/2023) | ND<0.1 U (4/17/2019) | (0.111 - 0.1)/(43 - 25) | 0.000611111 |
| 0.0822 (12/12/2023) | ND<0.1 U (4/17/2019) | (0.0822 - 0.1)/(44 - 25) | -0.000936842 |
| 0.0934 (1/10/2024) | ND<0.1 U (4/17/2019) | (0.0934 - 0.1)/(45 - 25) | -0.00033 |
| 0.156 (5/20/2024) | ND<0.1 U (4/17/2019) | (0.156 - 0.1)/(46 - 25) | 0.00266667 |
| 0.129 (9/16/2024) | ND<0.1 U (4/17/2019) | (0.129 - 0.1)/(47 - 25) | 0.00131818 |
| 0.159 (12/11/2024) | ND<0.1 U (4/17/2019) | (0.159 - 0.1)/(48 - 25) | 0.00256522 |
| 0.163 (2/18/2025) | ND<0.1 U (4/17/2019) | (0.163 - 0.1)/(49 - 25) | 0.002625 |
| | | | |
| ND<0.1 U (8/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(27 - 26) | 0 |
| ND<0.1 U (10/28/2019) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(28 - 26) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.147 - 0.1)/(29 - 26) | 0.0156667 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (6/11/2019) | (0.2 - 0.1)/(31 - 26) | 0.02 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (6/11/2019) | (0.16 - 0.1)/(34 - 26) | 0.0075 |
| 0.108 (9/2/2021) | ND<0.1 U (6/11/2019) | (0.108 - 0.1)/(35 - 26) | 0.000888889 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(38 - 26) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (6/11/2019) | (0.0655 - 0.1)/(42 - 26) | -0.00215625 |
| 0.111 (8/7/2023) | ND<0.1 U (6/11/2019) | (0.111 - 0.1)/(43 - 26) | 0.000647059 |
| 0.0822 (12/12/2023) | ND<0.1 U (6/11/2019) | (0.0822 - 0.1)/(44 - 26) | -0.000988889 |
| 0.0934 (1/10/2024) | ND<0.1 U (6/11/2019) | (0.0934 - 0.1)/(45 - 26) | -0.000347368 |
| 0.156 (5/20/2024) | ND<0.1 U (6/11/2019) | (0.156 - 0.1)/(46 - 26) | 0.0028 |
| 0.129 (9/16/2024) | ND<0.1 U (6/11/2019) | (0.129 - 0.1)/(47 - 26) | 0.00138095 |
| 0.159 (12/11/2024) | ND<0.1 U (6/11/2019) | (0.159 - 0.1)/(48 - 26) | 0.00268182 |
| 0.163 (2/18/2025) | ND<0.1 U (6/11/2019) | (0.163 - 0.1)/(49 - 26) | 0.00273913 |
| | | | |
| ND<0.1 U (10/28/2019) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(28 - 27) | 0 |
| 0.147 (3/31/2020) | ND<0.1 U (8/28/2019) | (0.147 - 0.1)/(29 - 27) | 0.0235 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(30 - 27) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (8/28/2019) | (0.2 - 0.1)/(31 - 27) | 0.025 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(32 - 27) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(33 - 27) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (8/28/2019) | (0.16 - 0.1)/(34 - 27) | 0.00857143 |
| 0.108 (9/2/2021) | ND<0.1 U (8/28/2019) | (0.108 - 0.1)/(35 - 27) | 0.001 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(36 - 27) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(37 - 27) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(38 - 27) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(39 - 27) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(40 - 27) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/28/2019) | (0.1 - 0.1)/(41 - 27) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (8/28/2019) | (0.0655 - 0.1)/(42 - 27) | -0.0023 |
| 0.111 (8/7/2023) | ND<0.1 U (8/28/2019) | (0.111 - 0.1)/(43 - 27) | 0.0006875 |
| 0.0822 (12/12/2023) | ND<0.1 U (8/28/2019) | (0.0822 - 0.1)/(44 - 27) | -0.00104706 |
| 0.0934 (1/10/2024) | ND<0.1 U (8/28/2019) | (0.0934 - 0.1)/(45 - 27) | -0.000366667 |
| 0.156 (5/20/2024) | ND<0.1 U (8/28/2019) | (0.156 - 0.1)/(46 - 27) | 0.00294737 |
| 0.129 (9/16/2024) | ND<0.1 U (8/28/2019) | (0.129 - 0.1)/(47 - 27) | 0.00145 |
| 0.159 (12/11/2024) | ND<0.1 U (8/28/2019) | (0.159 - 0.1)/(48 - 27) | 0.00280952 |
| 0.163 (2/18/2025) | ND<0.1 U (8/28/2019) | (0.163 - 0.1)/(49 - 27) | 0.00286364 |
| | | | |
| 0.147 (3/31/2020) | ND<0.1 U (10/28/2019) | (0.147 - 0.1)/(29 - 28) | 0.047 |
| ND<0.1 U (6/10/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(30 - 28) | 0 |
| 0.2 (9/21/2020) | ND<0.1 U (10/28/2019) | (0.2 - 0.1)/(31 - 28) | 0.0333333 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(32 - 28) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(33 - 28) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (10/28/2019) | (0.16 - 0.1)/(34 - 28) | 0.01 |
| 0.108 (9/2/2021) | ND<0.1 U (10/28/2019) | (0.108 - 0.1)/(35 - 28) | 0.00114286 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(36 - 28) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(37 - 28) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(38 - 28) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(39 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(40 - 28) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/28/2019) | (0.1 - 0.1)/(41 - 28) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (10/28/2019) | (0.0655 - 0.1)/(42 - 28) | -0.00246429 |
| 0.111 (8/7/2023) | ND<0.1 U (10/28/2019) | (0.111 - 0.1)/(43 - 28) | 0.000733333 |
| 0.0822 (12/12/2023) | ND<0.1 U (10/28/2019) | (0.0822 - 0.1)/(44 - 28) | -0.0011125 |
| 0.0934 (1/10/2024) | ND<0.1 U (10/28/2019) | (0.0934 - 0.1)/(45 - 28) | -0.000388235 |
| 0.156 (5/20/2024) | ND<0.1 U (10/28/2019) | (0.156 - 0.1)/(46 - 28) | 0.00311111 |
| 0.129 (9/16/2024) | ND<0.1 U (10/28/2019) | (0.129 - 0.1)/(47 - 28) | 0.00152632 |
| 0.159 (12/11/2024) | ND<0.1 U (10/28/2019) | (0.159 - 0.1)/(48 - 28) | 0.00295 |
| 0.163 (2/18/2025) | ND<0.1 U (10/28/2019) | (0.163 - 0.1)/(49 - 28) | 0.003 |
| | | | |
| ND<0.1 U (6/10/2020) | 0.147 (3/31/2020) | (0.1 - 0.147)/(30 - 29) | -0.047 |
| 0.2 (9/21/2020) | 0.147 (3/31/2020) | (0.2 - 0.147)/(31 - 29) | 0.0265 |
| ND<0.1 U (12/17/2020) | 0.147 (3/31/2020) | (0.1 - 0.147)/(32 - 29) | -0.0156667 |
| ND<0.1 U (3/18/2021) | 0.147 (3/31/2020) | (0.1 - 0.147)/(33 - 29) | -0.01175 |
| 0.16 (5/5/2021) | 0.147 (3/31/2020) | (0.16 - 0.147)/(34 - 29) | 0.0026 |
| 0.108 (9/2/2021) | 0.147 (3/31/2020) | (0.108 - 0.147)/(35 - 29) | -0.0065 |
| ND<0.1 U (11/23/2021) | 0.147 (3/31/2020) | (0.1 - 0.147)/(36 - 29) | -0.00671429 |
| ND<0.1 U (1/10/2022) | 0.147 (3/31/2020) | (0.1 - 0.147)/(37 - 29) | -0.005875 |
| ND<0.1 U (4/7/2022) | 0.147 (3/31/2020) | (0.1 - 0.147)/(38 - 29) | -0.00522222 |
| ND<0.1 U (8/3/2022) | 0.147 (3/31/2020) | (0.1 - 0.147)/(39 - 29) | -0.0047 |
| ND<0.1 U (11/16/2022) | 0.147 (3/31/2020) | (0.1 - 0.147)/(40 - 29) | -0.00427273 |
| ND<0.1 U (2/13/2023) | 0.147 (3/31/2020) | (0.1 - 0.147)/(41 - 29) | -0.00391667 |
| 0.0655 (5/24/2023) | 0.147 (3/31/2020) | (0.0655 - 0.147)/(42 - 29) | -0.00626923 |
| 0.111 (8/7/2023) | 0.147 (3/31/2020) | (0.111 - 0.147)/(43 - 29) | -0.00257143 |
| 0.0822 (12/12/2023) | 0.147 (3/31/2020) | (0.0822 - 0.147)/(44 - 29) | -0.00432 |
| 0.0934 (1/10/2024) | 0.147 (3/31/2020) | (0.0934 - 0.147)/(45 - 29) | -0.00335 |
| 0.156 (5/20/2024) | 0.147 (3/31/2020) | (0.156 - 0.147)/(46 - 29) | 0.000529412 |
| 0.129 (9/16/2024) | 0.147 (3/31/2020) | (0.129 - 0.147)/(47 - 29) | -0.001 |
| 0.159 (12/11/2024) | 0.147 (3/31/2020) | (0.159 - 0.147)/(48 - 29) | 0.000631579 |
| 0.163 (2/18/2025) | 0.147 (3/31/2020) | (0.163 - 0.147)/(49 - 29) | 0.0008 |
| | | | |
| 0.2 (9/21/2020) | ND<0.1 U (6/10/2020) | (0.2 - 0.1)/(31 - 30) | 0.1 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (6/10/2020) | (0.16 - 0.1)/(34 - 30) | 0.015 |
| 0.108 (9/2/2021) | ND<0.1 U (6/10/2020) | (0.108 - 0.1)/(35 - 30) | 0.0016 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(38 - 30) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/10/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (6/10/2020) | (0.0655 - 0.1)/(42 - 30) | -0.002875 |
| 0.111 (8/7/2023) | ND<0.1 U (6/10/2020) | (0.111 - 0.1)/(43 - 30) | 0.000846154 |
| 0.0822 (12/12/2023) | ND<0.1 U (6/10/2020) | (0.0822 - 0.1)/(44 - 30) | -0.00127143 |
| 0.0934 (1/10/2024) | ND<0.1 U (6/10/2020) | (0.0934 - 0.1)/(45 - 30) | -0.00044 |
| 0.156 (5/20/2024) | ND<0.1 U (6/10/2020) | (0.156 - 0.1)/(46 - 30) | 0.0035 |
| 0.129 (9/16/2024) | ND<0.1 U (6/10/2020) | (0.129 - 0.1)/(47 - 30) | 0.00170588 |
| 0.159 (12/11/2024) | ND<0.1 U (6/10/2020) | (0.159 - 0.1)/(48 - 30) | 0.00327778 |
| 0.163 (2/18/2025) | ND<0.1 U (6/10/2020) | (0.163 - 0.1)/(49 - 30) | 0.00331579 |

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|---|---|---|---|
| ND<0.1 U (12/17/2020) | 0.2 (9/21/2020) | (0.1 - 0.2)/(32 - 31) | -0.1 |
| ND<0.1 U (3/18/2021) | 0.2 (9/21/2020) | (0.1 - 0.2)/(33 - 31) | -0.05 |
| 0.16 (5/5/2021) | 0.2 (9/21/2020) | (0.16 - 0.2)/(34 - 31) | -0.0133333 |
| 0.108 (9/2/2021) | 0.2 (9/21/2020) | (0.108 - 0.2)/(35 - 31) | -0.023 |
| ND<0.1 U (11/23/2021) | 0.2 (9/21/2020) | (0.1 - 0.2)/(36 - 31) | -0.02 |
| ND<0.1 U (1/10/2022) | 0.2 (9/21/2020) | (0.1 - 0.2)/(37 - 31) | -0.0166667 |
| ND<0.1 U (4/7/2022) | 0.2 (9/21/2020) | (0.1 - 0.2)/(38 - 31) | -0.0142857 |
| ND<0.1 U (8/3/2022) | 0.2 (9/21/2020) | (0.1 - 0.2)/(39 - 31) | -0.0125 |
| ND<0.1 U (11/16/2022) | 0.2 (9/21/2020) | (0.1 - 0.2)/(40 - 31) | -0.0111111 |
| ND<0.1 U (2/13/2023) | 0.2 (9/21/2020) | (0.1 - 0.2)/(41 - 31) | -0.01 |
| 0.0655 (5/24/2023) | 0.2 (9/21/2020) | (0.0655 - 0.2)/(42 - 31) | -0.0122273 |
| 0.111 (8/7/2023) | 0.2 (9/21/2020) | (0.111 - 0.2)/(43 - 31) | -0.00741667 |
| 0.0822 (12/12/2023) | 0.2 (9/21/2020) | (0.0822 - 0.2)/(44 - 31) | -0.00906154 |
| 0.0934 (1/10/2024) | 0.2 (9/21/2020) | (0.0934 - 0.2)/(45 - 31) | -0.00761429 |
| 0.156 (5/20/2024) | 0.2 (9/21/2020) | (0.156 - 0.2)/(46 - 31) | -0.00293333 |
| 0.129 (9/16/2024) | 0.2 (9/21/2020) | (0.129 - 0.2)/(47 - 31) | -0.0044375 |
| 0.159 (12/11/2024) | 0.2 (9/21/2020) | (0.159 - 0.2)/(48 - 31) | -0.00241176 |
| 0.163 (2/18/2025) | 0.2 (9/21/2020) | (0.163 - 0.2)/(49 - 31) | -0.00205556 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| 0.16 (5/5/2021) | ND<0.1 U (12/17/2020) | (0.16 - 0.1)/(34 - 32) | 0.03 |
| 0.108 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.108 - 0.1)/(35 - 32) | 0.00266667 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(36 - 32) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(38 - 32) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (12/17/2020) | (0.0655 - 0.1)/(42 - 32) | -0.00345 |
| 0.111 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.111 - 0.1)/(43 - 32) | 0.001 |
| 0.0822 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0822 - 0.1)/(44 - 32) | -0.00148333 |
| 0.0934 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0934 - 0.1)/(45 - 32) | -0.000507692 |
| 0.156 (5/20/2024) | ND<0.1 U (12/17/2020) | (0.156 - 0.1)/(46 - 32) | 0.004 |
| 0.129 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.129 - 0.1)/(47 - 32) | 0.00193333 |
| 0.159 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.159 - 0.1)/(48 - 32) | 0.0036875 |
| 0.163 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.163 - 0.1)/(49 - 32) | 0.00370588 |

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|---|---|---|---|
| 0.16 (5/5/2021) | ND<0.1 U (3/18/2021) | (0.16 - 0.1)/(34 - 33) | 0.06 |
| 0.108 (9/2/2021) | ND<0.1 U (3/18/2021) | (0.108 - 0.1)/(35 - 33) | 0.004 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(36 - 33) | 0 |
| ND<0.1 U (1/10/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(37 - 33) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(38 - 33) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(39 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (3/18/2021) | (0.0655 - 0.1)/(42 - 33) | -0.00383333 |
| 0.111 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.111 - 0.1)/(43 - 33) | 0.0011 |
| 0.0822 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0822 - 0.1)/(44 - 33) | -0.00161818 |
| 0.0934 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0934 - 0.1)/(45 - 33) | -0.00055 |
| 0.156 (5/20/2024) | ND<0.1 U (3/18/2021) | (0.156 - 0.1)/(46 - 33) | 0.00430769 |
| 0.129 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.129 - 0.1)/(47 - 33) | 0.00207143 |
| 0.159 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.159 - 0.1)/(48 - 33) | 0.00393333 |
| 0.163 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.163 - 0.1)/(49 - 33) | 0.0039375 |
| | | | |
| 0.108 (9/2/2021) | 0.16 (5/5/2021) | (0.108 - 0.16)/(35 - 34) | -0.052 |
| ND<0.1 U (11/23/2021) | 0.16 (5/5/2021) | (0.1 - 0.16)/(36 - 34) | -0.03 |
| ND<0.1 U (1/10/2022) | 0.16 (5/5/2021) | (0.1 - 0.16)/(37 - 34) | -0.02 |
| ND<0.1 U (4/7/2022) | 0.16 (5/5/2021) | (0.1 - 0.16)/(38 - 34) | -0.015 |
| ND<0.1 U (8/3/2022) | 0.16 (5/5/2021) | (0.1 - 0.16)/(39 - 34) | -0.012 |
| ND<0.1 U (11/16/2022) | 0.16 (5/5/2021) | (0.1 - 0.16)/(40 - 34) | -0.01 |
| ND<0.1 U (2/13/2023) | 0.16 (5/5/2021) | (0.1 - 0.16)/(41 - 34) | -0.00857143 |
| 0.0655 (5/24/2023) | 0.16 (5/5/2021) | (0.0655 - 0.16)/(42 - 34) | -0.0118125 |
| 0.111 (8/7/2023) | 0.16 (5/5/2021) | (0.111 - 0.16)/(43 - 34) | -0.00544444 |
| 0.0822 (12/12/2023) | 0.16 (5/5/2021) | (0.0822 - 0.16)/(44 - 34) | -0.00778 |
| 0.0934 (1/10/2024) | 0.16 (5/5/2021) | (0.0934 - 0.16)/(45 - 34) | -0.00605455 |
| 0.156 (5/20/2024) | 0.16 (5/5/2021) | (0.156 - 0.16)/(46 - 34) | -0.000333333 |
| 0.129 (9/16/2024) | 0.16 (5/5/2021) | (0.129 - 0.16)/(47 - 34) | -0.00238462 |
| 0.159 (12/11/2024) | 0.16 (5/5/2021) | (0.159 - 0.16)/(48 - 34) | -7.14286e-05 |
| 0.163 (2/18/2025) | 0.16 (5/5/2021) | (0.163 - 0.16)/(49 - 34) | 0.0002 |
| | | | |
| ND<0.1 U (11/23/2021) | 0.108 (9/2/2021) | (0.1 - 0.108)/(36 - 35) | -0.008 |
| ND<0.1 U (1/10/2022) | 0.108 (9/2/2021) | (0.1 - 0.108)/(37 - 35) | -0.004 |
| ND<0.1 U (4/7/2022) | 0.108 (9/2/2021) | (0.1 - 0.108)/(38 - 35) | -0.00266667 |
| ND<0.1 U (8/3/2022) | 0.108 (9/2/2021) | (0.1 - 0.108)/(39 - 35) | -0.002 |
| ND<0.1 U (11/16/2022) | 0.108 (9/2/2021) | (0.1 - 0.108)/(40 - 35) | -0.0016 |
| ND<0.1 U (2/13/2023) | 0.108 (9/2/2021) | (0.1 - 0.108)/(41 - 35) | -0.00133333 |
| 0.0655 (5/24/2023) | 0.108 (9/2/2021) | (0.0655 - 0.108)/(42 - 35) | -0.00607143 |
| 0.111 (8/7/2023) | 0.108 (9/2/2021) | (0.111 - 0.108)/(43 - 35) | 0.000375 |
| 0.0822 (12/12/2023) | 0.108 (9/2/2021) | (0.0822 - 0.108)/(44 - 35) | -0.00286667 |
| 0.0934 (1/10/2024) | 0.108 (9/2/2021) | (0.0934 - 0.108)/(45 - 35) | -0.00146 |
| 0.156 (5/20/2024) | 0.108 (9/2/2021) | (0.156 - 0.108)/(46 - 35) | 0.00436364 |
| 0.129 (9/16/2024) | 0.108 (9/2/2021) | (0.129 - 0.108)/(47 - 35) | 0.00175 |
| 0.159 (12/11/2024) | 0.108 (9/2/2021) | (0.159 - 0.108)/(48 - 35) | 0.00392308 |
| 0.163 (2/18/2025) | 0.108 (9/2/2021) | (0.163 - 0.108)/(49 - 35) | 0.00392857 |
| | | | |
| ND<0.1 U (1/10/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(37 - 36) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(38 - 36) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(41 - 36) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (11/23/2021) | (0.0655 - 0.1)/(42 - 36) | -0.00575 |
| 0.111 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.111 - 0.1)/(43 - 36) | 0.00157143 |
| 0.0822 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.0822 - 0.1)/(44 - 36) | -0.002225 |
| 0.0934 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0934 - 0.1)/(45 - 36) | -0.000733333 |
| 0.156 (5/20/2024) | ND<0.1 U (11/23/2021) | (0.156 - 0.1)/(46 - 36) | 0.0056 |
| 0.129 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.129 - 0.1)/(47 - 36) | 0.00263636 |

| | | | |
|---|---|---|---|
| 0.159 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.159 - 0.1)/(48 - 36) | 0.00491667 |
| 0.163 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.163 - 0.1)/(49 - 36) | 0.00484615 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(38 - 37) | 0 |
| ND<0.1 U (8/3/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(39 - 37) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (1/10/2022) | (0.1 - 0.1)/(41 - 37) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (1/10/2022) | (0.0655 - 0.1)/(42 - 37) | -0.0069 |
| 0.111 (8/7/2023) | ND<0.1 U (1/10/2022) | (0.111 - 0.1)/(43 - 37) | 0.00183333 |
| 0.0822 (12/12/2023) | ND<0.1 U (1/10/2022) | (0.0822 - 0.1)/(44 - 37) | -0.00254286 |
| 0.0934 (1/10/2024) | ND<0.1 U (1/10/2022) | (0.0934 - 0.1)/(45 - 37) | -0.000825 |
| 0.156 (5/20/2024) | ND<0.1 U (1/10/2022) | (0.156 - 0.1)/(46 - 37) | 0.00622222 |
| 0.129 (9/16/2024) | ND<0.1 U (1/10/2022) | (0.129 - 0.1)/(47 - 37) | 0.0029 |
| 0.159 (12/11/2024) | ND<0.1 U (1/10/2022) | (0.159 - 0.1)/(48 - 37) | 0.00536364 |
| 0.163 (2/18/2025) | ND<0.1 U (1/10/2022) | (0.163 - 0.1)/(49 - 37) | 0.00525 |
| | | | |
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(39 - 38) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(41 - 38) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (4/7/2022) | (0.0655 - 0.1)/(42 - 38) | -0.008625 |
| 0.111 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.111 - 0.1)/(43 - 38) | 0.0022 |
| 0.0822 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.0822 - 0.1)/(44 - 38) | -0.00296667 |
| 0.0934 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0934 - 0.1)/(45 - 38) | -0.000942857 |
| 0.156 (5/20/2024) | ND<0.1 U (4/7/2022) | (0.156 - 0.1)/(46 - 38) | 0.007 |
| 0.129 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.129 - 0.1)/(47 - 38) | 0.00322222 |
| 0.159 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.159 - 0.1)/(48 - 38) | 0.0059 |
| 0.163 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.163 - 0.1)/(49 - 38) | 0.00572727 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (8/3/2022) | (0.0655 - 0.1)/(42 - 39) | -0.0115 |
| 0.111 (8/7/2023) | ND<0.1 U (8/3/2022) | (0.111 - 0.1)/(43 - 39) | 0.00275 |
| 0.0822 (12/12/2023) | ND<0.1 U (8/3/2022) | (0.0822 - 0.1)/(44 - 39) | -0.00356 |
| 0.0934 (1/10/2024) | ND<0.1 U (8/3/2022) | (0.0934 - 0.1)/(45 - 39) | -0.0011 |
| 0.156 (5/20/2024) | ND<0.1 U (8/3/2022) | (0.156 - 0.1)/(46 - 39) | 0.008 |
| 0.129 (9/16/2024) | ND<0.1 U (8/3/2022) | (0.129 - 0.1)/(47 - 39) | 0.003625 |
| 0.159 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.159 - 0.1)/(48 - 39) | 0.00655556 |
| 0.163 (2/18/2025) | ND<0.1 U (8/3/2022) | (0.163 - 0.1)/(49 - 39) | 0.0063 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.0655 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.0655 - 0.1)/(42 - 40) | -0.01725 |
| 0.111 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.111 - 0.1)/(43 - 40) | 0.00366667 |
| 0.0822 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0822 - 0.1)/(44 - 40) | -0.00445 |
| 0.0934 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0934 - 0.1)/(45 - 40) | -0.00132 |
| 0.156 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.156 - 0.1)/(46 - 40) | 0.00933333 |
| 0.129 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.129 - 0.1)/(47 - 40) | 0.00414286 |
| 0.159 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.159 - 0.1)/(48 - 40) | 0.007375 |
| 0.163 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.163 - 0.1)/(49 - 40) | 0.007 |
| | | | |
| 0.0655 (5/24/2023) | ND<0.1 U (2/13/2023) | (0.0655 - 0.1)/(42 - 41) | -0.0345 |
| 0.111 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.111 - 0.1)/(43 - 41) | 0.0055 |
| 0.0822 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.0822 - 0.1)/(44 - 41) | -0.00593333 |
| 0.0934 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.0934 - 0.1)/(45 - 41) | -0.00165 |
| 0.156 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.156 - 0.1)/(46 - 41) | 0.0112 |
| 0.129 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.129 - 0.1)/(47 - 41) | 0.00483333 |
| 0.159 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.159 - 0.1)/(48 - 41) | 0.00842857 |
| 0.163 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.163 - 0.1)/(49 - 41) | 0.007875 |

| | | | |
|---|---|---|---|
| 0.111 (8/7/2023) | 0.0655 (5/24/2023) | (0.111 - 0.0655)/(43 - 42) | 0.0455 |
| 0.0822 (12/12/2023) | 0.0655 (5/24/2023) | (0.0822 - 0.0655)/(44 - 42) | 0.00835 |
| 0.0934 (1/10/2024) | 0.0655 (5/24/2023) | (0.0934 - 0.0655)/(45 - 42) | 0.0093 |
| 0.156 (5/20/2024) | 0.0655 (5/24/2023) | (0.156 - 0.0655)/(46 - 42) | 0.022625 |
| 0.129 (9/16/2024) | 0.0655 (5/24/2023) | (0.129 - 0.0655)/(47 - 42) | 0.0127 |
| 0.159 (12/11/2024) | 0.0655 (5/24/2023) | (0.159 - 0.0655)/(48 - 42) | 0.0155833 |
| 0.163 (2/18/2025) | 0.0655 (5/24/2023) | (0.163 - 0.0655)/(49 - 42) | 0.0139286 |
| | | | |
| 0.0822 (12/12/2023) | 0.111 (8/7/2023) | (0.0822 - 0.111)/(44 - 43) | -0.0288 |
| 0.0934 (1/10/2024) | 0.111 (8/7/2023) | (0.0934 - 0.111)/(45 - 43) | -0.0088 |
| 0.156 (5/20/2024) | 0.111 (8/7/2023) | (0.156 - 0.111)/(46 - 43) | 0.015 |
| 0.129 (9/16/2024) | 0.111 (8/7/2023) | (0.129 - 0.111)/(47 - 43) | 0.0045 |
| 0.159 (12/11/2024) | 0.111 (8/7/2023) | (0.159 - 0.111)/(48 - 43) | 0.0096 |
| 0.163 (2/18/2025) | 0.111 (8/7/2023) | (0.163 - 0.111)/(49 - 43) | 0.00866667 |
| | | | |
| 0.0934 (1/10/2024) | 0.0822 (12/12/2023) | (0.0934 - 0.0822)/(45 - 44) | 0.0112 |
| 0.156 (5/20/2024) | 0.0822 (12/12/2023) | (0.156 - 0.0822)/(46 - 44) | 0.0369 |
| 0.129 (9/16/2024) | 0.0822 (12/12/2023) | (0.129 - 0.0822)/(47 - 44) | 0.0156 |
| 0.159 (12/11/2024) | 0.0822 (12/12/2023) | (0.159 - 0.0822)/(48 - 44) | 0.0192 |
| 0.163 (2/18/2025) | 0.0822 (12/12/2023) | (0.163 - 0.0822)/(49 - 44) | 0.01616 |
| | | | |
| 0.156 (5/20/2024) | 0.0934 (1/10/2024) | (0.156 - 0.0934)/(46 - 45) | 0.0626 |
| 0.129 (9/16/2024) | 0.0934 (1/10/2024) | (0.129 - 0.0934)/(47 - 45) | 0.0178 |
| 0.159 (12/11/2024) | 0.0934 (1/10/2024) | (0.159 - 0.0934)/(48 - 45) | 0.0218667 |
| 0.163 (2/18/2025) | 0.0934 (1/10/2024) | (0.163 - 0.0934)/(49 - 45) | 0.0174 |
| | | | |
| 0.129 (9/16/2024) | 0.156 (5/20/2024) | (0.129 - 0.156)/(47 - 46) | -0.027 |
| 0.159 (12/11/2024) | 0.156 (5/20/2024) | (0.159 - 0.156)/(48 - 46) | 0.0015 |
| 0.163 (2/18/2025) | 0.156 (5/20/2024) | (0.163 - 0.156)/(49 - 46) | 0.00233333 |
| | | | |
| 0.159 (12/11/2024) | 0.129 (9/16/2024) | (0.159 - 0.129)/(48 - 47) | 0.03 |
| 0.163 (2/18/2025) | 0.129 (9/16/2024) | (0.163 - 0.129)/(49 - 47) | 0.017 |
| | | | |
| 0.163 (2/18/2025) | 0.159 (12/11/2024) | (0.163 - 0.159)/(49 - 48) | 0.004 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.208 |
| 2 | -0.104 |
| 3 | -0.1 |
| 4 | -0.08 |
| 5 | -0.0693333 |
| 6 | -0.052 |
| 7 | -0.052 |
| 8 | -0.05 |
| 9 | -0.047 |
| 10 | -0.0416 |
| 11 | -0.04 |
| 12 | -0.0345 |
| 13 | -0.03 |
| 14 | -0.0297143 |
| 15 | -0.0288 |
| 16 | -0.027 |

| | |
|---|---|
| 17 | -0.0268333 |
| 18 | -0.0266667 |
| 19 | -0.0231111 |
| 20 | -0.023 |
| 21 | -0.0208 |
| 22 | -0.02 |
| 23 | -0.02 |
| 24 | -0.02 |
| 25 | -0.02 |
| 26 | -0.02 |
| 27 | -0.02 |
| 28 | -0.01725 |
| 29 | -0.0166667 |
| 30 | -0.0166667 |
| 31 | -0.016 |
| 32 | -0.016 |
| 33 | -0.0156667 |
| 34 | -0.015 |
| 35 | -0.0148571 |
| 36 | -0.0142857 |
| 37 | -0.0138667 |
| 38 | -0.0135 |
| 39 | -0.0134545 |
| 40 | -0.0133333 |
| 41 | -0.0133333 |
| 42 | -0.0133333 |
| 43 | -0.013 |
| 44 | -0.0127632 |
| 45 | -0.0125 |
| 46 | -0.0122353 |
| 47 | -0.0122273 |
| 48 | -0.012 |
| 49 | -0.0118125 |
| 50 | -0.01175 |
| 51 | -0.0115556 |
| 52 | -0.0115 |
| 53 | -0.0114286 |
| 54 | -0.0111111 |
| 55 | -0.0107524 |
| 56 | -0.01 |
| 57 | -0.01 |
| 58 | -0.01 |
| 59 | -0.01 |
| 60 | -0.01 |
| 61 | -0.00985 |
| 62 | -0.00975455 |
| 63 | -0.00906154 |
| 64 | -0.00888889 |
| 65 | -0.0088 |
| 66 | -0.008625 |
| 67 | -0.00857143 |
| 68 | -0.008 |
| 69 | -0.008 |
| 70 | -0.00778 |
| 71 | -0.00761429 |
| 72 | -0.00745833 |
| 73 | -0.00741667 |

| | |
|---|---|
| 74 | -0.0069 |
| 75 | -0.00671429 |
| 76 | -0.00666667 |
| 77 | -0.00666667 |
| 78 | -0.00666667 |
| 79 | -0.00666667 |
| 80 | -0.0066087 |
| 81 | -0.0065 |
| 82 | -0.00626923 |
| 83 | -0.00615385 |
| 84 | -0.00607143 |
| 85 | -0.00605455 |
| 86 | -0.00596 |
| 87 | -0.00593333 |
| 88 | -0.005875 |
| 89 | -0.00575 |
| 90 | -0.00571429 |
| 91 | -0.00557692 |
| 92 | -0.00544444 |
| 93 | -0.00533333 |
| 94 | -0.00522222 |
| 95 | -0.005 |
| 96 | -0.005 |
| 97 | -0.005 |
| 98 | -0.005 |
| 99 | -0.0047 |
| 100 | -0.00445 |
| 101 | -0.00444444 |
| 102 | -0.0044375 |
| 103 | -0.00432 |
| 104 | -0.00427273 |
| 105 | -0.004 |
| 106 | -0.004 |
| 107 | -0.004 |
| 108 | -0.004 |
| 109 | -0.004 |
| 110 | -0.004 |
| 111 | -0.00391667 |
| 112 | -0.00383333 |
| 113 | -0.00381667 |
| 114 | -0.00380952 |
| 115 | -0.003725 |
| 116 | -0.00363636 |
| 117 | -0.00356 |
| 118 | -0.00345 |
| 119 | -0.00335 |
| 120 | -0.00333333 |
| 121 | -0.00333333 |
| 122 | -0.0032 |
| 123 | -0.00313043 |
| 124 | -0.00307692 |
| 125 | -0.00305625 |
| 126 | -0.00296667 |
| 127 | -0.00296296 |
| 128 | -0.00293333 |
| 129 | -0.002875 |
| 130 | -0.00286667 |

| | |
|---|---|
| 131 | -0.00285714 |
| 132 | -0.00285714 |
| 133 | -0.00285714 |
| 134 | -0.00285714 |
| 135 | -0.00275862 |
| 136 | -0.00266667 |
| 137 | -0.00266667 |
| 138 | -0.00262727 |
| 139 | -0.00262424 |
| 140 | -0.00257143 |
| 141 | -0.00254286 |
| 142 | -0.0025 |
| 143 | -0.0025 |
| 144 | -0.00246429 |
| 145 | -0.00246154 |
| 146 | -0.00241176 |
| 147 | -0.00238462 |
| 148 | -0.00235294 |
| 149 | -0.0023 |
| 150 | -0.00222581 |
| 151 | -0.002225 |
| 152 | -0.00222222 |
| 153 | -0.00222222 |
| 154 | -0.00222222 |
| 155 | -0.00215625 |
| 156 | -0.00210526 |
| 157 | -0.00205556 |
| 158 | -0.00202941 |
| 159 | -0.00202609 |
| 160 | -0.002 |
| 161 | -0.002 |
| 162 | -0.002 |
| 163 | -0.00194118 |
| 164 | -0.00191667 |
| 165 | -0.00181818 |
| 166 | -0.00181818 |
| 167 | -0.00166667 |
| 168 | -0.00166667 |
| 169 | -0.00165 |
| 170 | -0.00164286 |
| 171 | -0.00161818 |
| 172 | -0.0016 |
| 173 | -0.00156818 |
| 174 | -0.00153846 |
| 175 | -0.00153846 |
| 176 | -0.00151389 |
| 177 | -0.0015 |
| 178 | -0.00148333 |
| 179 | -0.00146 |
| 180 | -0.00145714 |
| 181 | -0.0014375 |
| 182 | -0.00143421 |
| 183 | -0.00142857 |
| 184 | -0.00142857 |
| 185 | -0.00138095 |
| 186 | -0.00138 |
| 187 | -0.00133333 |

| | |
|---|---|
| 188 | -0.00133333 |
| 189 | -0.00133333 |
| 190 | -0.00132692 |
| 191 | -0.00132 |
| 192 | -0.00127778 |
| 193 | -0.00127143 |
| 194 | -0.00125 |
| 195 | -0.00123214 |
| 196 | -0.00118966 |
| 197 | -0.00117647 |
| 198 | -0.0011129 |
| 199 | -0.0011125 |
| 200 | -0.00111111 |
| 201 | -0.0011 |
| 202 | -0.00107813 |
| 203 | -0.00105263 |
| 204 | -0.00104706 |
| 205 | -0.00104545 |
| 206 | -0.00101471 |
| 207 | -0.001 |
| 208 | -0.001 |
| 209 | -0.001 |
| 210 | -0.000994737 |
| 211 | -0.000988889 |
| 212 | -0.000985714 |
| 213 | -0.000952381 |
| 214 | -0.000952381 |
| 215 | -0.000945 |
| 216 | -0.000942857 |
| 217 | -0.000936842 |
| 218 | -0.000932432 |
| 219 | -0.000909091 |
| 220 | -0.000909091 |
| 221 | -0.000909091 |
| 222 | -0.00089 |
| 223 | -0.000884615 |
| 224 | -0.000869565 |
| 225 | -0.0008625 |
| 226 | -0.000841463 |
| 227 | -0.000833333 |
| 228 | -0.000833333 |
| 229 | -0.000825 |
| 230 | -0.000773913 |
| 231 | -0.000769231 |
| 232 | -0.000769231 |
| 233 | -0.000741667 |
| 234 | -0.000740741 |
| 235 | -0.000733333 |
| 236 | -0.000714286 |
| 237 | -0.000712 |
| 238 | -0.000705882 |
| 239 | -0.000689655 |
| 240 | -0.000684615 |
| 241 | -0.000682051 |
| 242 | -0.000666667 |
| 243 | -0.000659259 |
| 244 | -0.00064878 |

| | |
|---|---|
| 245 | -0.000645161 |
| 246 | -0.000635714 |
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| 1119 | 0.0114286 |
| 1120 | 0.0115556 |
| 1121 | 0.0116364 |
| 1122 | 0.01175 |
| 1123 | 0.0127 |
| 1124 | 0.013 |
| 1125 | 0.0133333 |
| 1126 | 0.0138667 |
| 1127 | 0.0139286 |
| 1128 | 0.0142857 |
| 1129 | 0.0148571 |
| 1130 | 0.015 |
| 1131 | 0.015 |
| 1132 | 0.0155833 |
| 1133 | 0.0156 |
| 1134 | 0.0156667 |
| 1135 | 0.016 |
| 1136 | 0.016 |
| 1137 | 0.01616 |
| 1138 | 0.0166667 |
| 1139 | 0.017 |
| 1140 | 0.0173333 |
| 1141 | 0.0174 |
| 1142 | 0.0178 |
| 1143 | 0.0192 |
| 1144 | 0.02 |
| 1145 | 0.02 |
| 1146 | 0.02 |
| 1147 | 0.02 |
| 1148 | 0.02 |
| 1149 | 0.0208 |
| 1150 | 0.0218667 |
| 1151 | 0.022625 |
| 1152 | 0.0231111 |
| 1153 | 0.0235 |
| 1154 | 0.025 |
| 1155 | 0.026 |
| 1156 | 0.0265 |

| | |
|---|---|
| 1157 | 0.0266667 |
| 1158 | 0.0297143 |
| 1159 | 0.03 |
| 1160 | 0.03 |
| 1161 | 0.0333333 |
| 1162 | 0.0346667 |
| 1163 | 0.0369 |
| 1164 | 0.04 |
| 1165 | 0.04 |
| 1166 | 0.0416 |
| 1167 | 0.0455 |
| 1168 | 0.047 |
| 1169 | 0.052 |
| 1170 | 0.06 |
| 1171 | 0.0626 |
| 1172 | 0.0693333 |
| 1173 | 0.08 |
| 1174 | 0.1 |
| 1175 | 0.104 |
| 1176 | 0.168 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 32 |
| 2 | 0.12 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |

| | |
|---|---|
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 68466
B = 0
C = 29760
D = 0
E = 994
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 9655
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 161.623
M1 = (1176 - 161.623)/2.0 = 507.188
M2 = (1176 + 161.623)/2.0 + 1 = 669.812
Lower limit is 0 = Q(507)
Upper limit is 0 = Q(670)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SS 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | 0.11 (3/12/2013) | (0.1 - 0.11)/(2 - 1) | -0.01 |
| ND<0.1 U (9/23/2013) | 0.11 (3/12/2013) | (0.1 - 0.11)/(3 - 1) | -0.005 |
| 0.19 (12/10/2013) | 0.11 (3/12/2013) | (0.19 - 0.11)/(4 - 1) | 0.0266667 |
| ND<0.1 U (2/6/2014) | 0.11 (3/12/2013) | (0.1 - 0.11)/(5 - 1) | -0.0025 |
| 0.16 (6/26/2014) | 0.11 (3/12/2013) | (0.16 - 0.11)/(6 - 1) | 0.01 |
| ND<0.1 U (9/30/2014) | 0.11 (3/12/2013) | (0.1 - 0.11)/(7 - 1) | -0.00166667 |
| 0.22 (11/19/2014) | 0.11 (3/12/2013) | (0.22 - 0.11)/(8 - 1) | 0.0157143 |
| 0.14 (3/23/2015) | 0.11 (3/12/2013) | (0.14 - 0.11)/(9 - 1) | 0.00375 |
| ND<0.1 U (4/22/2015) | 0.11 (3/12/2013) | (0.1 - 0.11)/(10 - 1) | -0.00111111 |
| 0.18 (9/30/2015) | 0.11 (3/12/2013) | (0.18 - 0.11)/(11 - 1) | 0.007 |
| 0.18 (11/19/2015) | 0.11 (3/12/2013) | (0.18 - 0.11)/(12 - 1) | 0.00636364 |
| ND<0.1 U (3/15/2016) | 0.11 (3/12/2013) | (0.1 - 0.11)/(13 - 1) | -0.000833333 |
| 0.16 (6/29/2016) | 0.11 (3/12/2013) | (0.16 - 0.11)/(14 - 1) | 0.00384615 |
| 0.12 (8/9/2016) | 0.11 (3/12/2013) | (0.12 - 0.11)/(15 - 1) | 0.000714286 |
| 0.15 (12/7/2016) | 0.11 (3/12/2013) | (0.15 - 0.11)/(16 - 1) | 0.00266667 |
| 0.15 (3/2/2017) | 0.11 (3/12/2013) | (0.15 - 0.11)/(17 - 1) | 0.0025 |
| 0.11 (6/21/2017) | 0.11 (3/12/2013) | (0.11 - 0.11)/(18 - 1) | 0 |
| ND<0.1 U (8/17/2017) | 0.11 (3/12/2013) | (0.1 - 0.11)/(19 - 1) | -0.000555556 |
| ND<0.1 U (10/26/2017) | 0.11 (3/12/2013) | (0.1 - 0.11)/(20 - 1) | -0.000526316 |
| 0.148 (3/27/2018) | 0.11 (3/12/2013) | (0.148 - 0.11)/(21 - 1) | 0.0019 |
| 0.148 (6/26/2018) | 0.11 (3/12/2013) | (0.148 - 0.11)/(22 - 1) | 0.00180952 |
| 0.276 (8/1/2018) | 0.11 (3/12/2013) | (0.276 - 0.11)/(23 - 1) | 0.00754545 |
| 0.117 (12/11/2018) | 0.11 (3/12/2013) | (0.117 - 0.11)/(24 - 1) | 0.000304348 |
| ND<0.1 U (4/17/2019) | 0.11 (3/12/2013) | (0.1 - 0.11)/(25 - 1) | -0.000416667 |
| ND<0.1 U (6/11/2019) | 0.11 (3/12/2013) | (0.1 - 0.11)/(26 - 1) | -0.0004 |
| 0.174 (8/28/2019) | 0.11 (3/12/2013) | (0.174 - 0.11)/(27 - 1) | 0.00246154 |
| 0.167 (10/28/2019) | 0.11 (3/12/2013) | (0.167 - 0.11)/(28 - 1) | 0.00211111 |
| 0.348 (3/31/2020) | 0.11 (3/12/2013) | (0.348 - 0.11)/(29 - 1) | 0.0085 |
| 0.128 (6/10/2020) | 0.11 (3/12/2013) | (0.128 - 0.11)/(30 - 1) | 0.00062069 |
| ND<0.1 U (9/21/2020) | 0.11 (3/12/2013) | (0.1 - 0.11)/(31 - 1) | -0.000333333 |
| ND<0.1 U (12/17/2020) | 0.11 (3/12/2013) | (0.1 - 0.11)/(32 - 1) | -0.000322581 |
| ND<0.1 U (3/18/2021) | 0.11 (3/12/2013) | (0.1 - 0.11)/(33 - 1) | -0.0003125 |
| ND<0.1 U (5/5/2021) | 0.11 (3/12/2013) | (0.1 - 0.11)/(34 - 1) | -0.00030303 |
| 0.128 (9/2/2021) | 0.11 (3/12/2013) | (0.128 - 0.11)/(35 - 1) | 0.000529412 |
| 0.178 (11/23/2021) | 0.11 (3/12/2013) | (0.178 - 0.11)/(36 - 1) | 0.00194286 |
| 0.136 (1/10/2022) | 0.11 (3/12/2013) | (0.136 - 0.11)/(37 - 1) | 0.000722222 |
| ND<0.1 U (4/7/2022) | 0.11 (3/12/2013) | (0.1 - 0.11)/(38 - 1) | -0.00027027 |
| 0.123 (8/3/2022) | 0.11 (3/12/2013) | (0.123 - 0.11)/(39 - 1) | 0.000342105 |
| ND<0.1 U (11/16/2022) | 0.11 (3/12/2013) | (0.1 - 0.11)/(40 - 1) | -0.00025641 |
| ND<0.1 U (2/13/2023) | 0.11 (3/12/2013) | (0.1 - 0.11)/(41 - 1) | -0.00025 |
| 0.102 (5/24/2023) | 0.11 (3/12/2013) | (0.102 - 0.11)/(42 - 1) | -0.000195122 |
| 0.124 (8/7/2023) | 0.11 (3/12/2013) | (0.124 - 0.11)/(43 - 1) | 0.000333333 |
| 0.089 (12/12/2023) | 0.11 (3/12/2013) | (0.089 - 0.11)/(44 - 1) | -0.000488372 |
| 0.117 (1/10/2024) | 0.11 (3/12/2013) | (0.117 - 0.11)/(45 - 1) | 0.000159091 |
| 0.121 (5/20/2024) | 0.11 (3/12/2013) | (0.121 - 0.11)/(46 - 1) | 0.000244444 |
| 0.201 (9/16/2024) | 0.11 (3/12/2013) | (0.201 - 0.11)/(47 - 1) | 0.00197826 |
| 0.222 (12/11/2024) | 0.11 (3/12/2013) | (0.222 - 0.11)/(48 - 1) | 0.00238298 |
| 0.156 (2/18/2025) | 0.11 (3/12/2013) | (0.156 - 0.11)/(49 - 1) | 0.000958333 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.19 (12/10/2013) | ND<0.1 U (5/8/2013) | (0.19 - 0.1)/(4 - 2) | 0.045 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| 0.16 (6/26/2014) | ND<0.1 U (5/8/2013) | (0.16 - 0.1)/(6 - 2) | 0.015 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (5/8/2013) | (0.22 - 0.1)/(8 - 2) | 0.02 |
| 0.14 (3/23/2015) | ND<0.1 U (5/8/2013) | (0.14 - 0.1)/(9 - 2) | 0.00571429 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| 0.18 (9/30/2015) | ND<0.1 U (5/8/2013) | (0.18 - 0.1)/(11 - 2) | 0.00888889 |
| 0.18 (11/19/2015) | ND<0.1 U (5/8/2013) | (0.18 - 0.1)/(12 - 2) | 0.008 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| 0.16 (6/29/2016) | ND<0.1 U (5/8/2013) | (0.16 - 0.1)/(14 - 2) | 0.005 |
| 0.12 (8/9/2016) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(15 - 2) | 0.00153846 |
| 0.15 (12/7/2016) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(16 - 2) | 0.00357143 |
| 0.15 (3/2/2017) | ND<0.1 U (5/8/2013) | (0.15 - 0.1)/(17 - 2) | 0.00333333 |
| 0.11 (6/21/2017) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(18 - 2) | 0.000625 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (5/8/2013) | (0.148 - 0.1)/(21 - 2) | 0.00252632 |
| 0.148 (6/26/2018) | ND<0.1 U (5/8/2013) | (0.148 - 0.1)/(22 - 2) | 0.0024 |
| 0.276 (8/1/2018) | ND<0.1 U (5/8/2013) | (0.276 - 0.1)/(23 - 2) | 0.00838095 |
| 0.117 (12/11/2018) | ND<0.1 U (5/8/2013) | (0.117 - 0.1)/(24 - 2) | 0.000772727 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (5/8/2013) | (0.174 - 0.1)/(27 - 2) | 0.00296 |
| 0.167 (10/28/2019) | ND<0.1 U (5/8/2013) | (0.167 - 0.1)/(28 - 2) | 0.00257692 |
| 0.348 (3/31/2020) | ND<0.1 U (5/8/2013) | (0.348 - 0.1)/(29 - 2) | 0.00918519 |
| 0.128 (6/10/2020) | ND<0.1 U (5/8/2013) | (0.128 - 0.1)/(30 - 2) | 0.001 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (5/8/2013) | (0.128 - 0.1)/(35 - 2) | 0.000848485 |
| 0.178 (11/23/2021) | ND<0.1 U (5/8/2013) | (0.178 - 0.1)/(36 - 2) | 0.00229412 |
| 0.136 (1/10/2022) | ND<0.1 U (5/8/2013) | (0.136 - 0.1)/(37 - 2) | 0.00102857 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(38 - 2) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (5/8/2013) | (0.123 - 0.1)/(39 - 2) | 0.000621622 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (5/8/2013) | (0.102 - 0.1)/(42 - 2) | 5e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.124 - 0.1)/(43 - 2) | 0.000585366 |
| 0.089 (12/12/2023) | ND<0.1 U (5/8/2013) | (0.089 - 0.1)/(44 - 2) | -0.000261905 |
| 0.117 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.117 - 0.1)/(45 - 2) | 0.000395349 |
| 0.121 (5/20/2024) | ND<0.1 U (5/8/2013) | (0.121 - 0.1)/(46 - 2) | 0.000477273 |
| 0.201 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.201 - 0.1)/(47 - 2) | 0.00224444 |
| 0.222 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.222 - 0.1)/(48 - 2) | 0.00265217 |
| 0.156 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.156 - 0.1)/(49 - 2) | 0.00119149 |
| | | | |
| 0.19 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.19 - 0.1)/(4 - 3) | 0.09 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| 0.16 (6/26/2014) | ND<0.1 U (9/23/2013) | (0.16 - 0.1)/(6 - 3) | 0.02 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (9/23/2013) | (0.22 - 0.1)/(8 - 3) | 0.024 |
| 0.14 (3/23/2015) | ND<0.1 U (9/23/2013) | (0.14 - 0.1)/(9 - 3) | 0.00666667 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| 0.18 (9/30/2015) | ND<0.1 U (9/23/2013) | (0.18 - 0.1)/(11 - 3) | 0.01 |

| | | | |
|---|---|---|---|
| 0.18 (11/19/2015) | ND<0.1 U (9/23/2013) | (0.18 - 0.1)/(12 - 3) | 0.00888889 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| 0.16 (6/29/2016) | ND<0.1 U (9/23/2013) | (0.16 - 0.1)/(14 - 3) | 0.00545455 |
| 0.12 (8/9/2016) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(15 - 3) | 0.00166667 |
| 0.15 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(16 - 3) | 0.00384615 |
| 0.15 (3/2/2017) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(17 - 3) | 0.00357143 |
| 0.11 (6/21/2017) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(18 - 3) | 0.000666667 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (9/23/2013) | (0.148 - 0.1)/(21 - 3) | 0.00266667 |
| 0.148 (6/26/2018) | ND<0.1 U (9/23/2013) | (0.148 - 0.1)/(22 - 3) | 0.00252632 |
| 0.276 (8/1/2018) | ND<0.1 U (9/23/2013) | (0.276 - 0.1)/(23 - 3) | 0.0088 |
| 0.117 (12/11/2018) | ND<0.1 U (9/23/2013) | (0.117 - 0.1)/(24 - 3) | 0.000809524 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (9/23/2013) | (0.174 - 0.1)/(27 - 3) | 0.00308333 |
| 0.167 (10/28/2019) | ND<0.1 U (9/23/2013) | (0.167 - 0.1)/(28 - 3) | 0.00268 |
| 0.348 (3/31/2020) | ND<0.1 U (9/23/2013) | (0.348 - 0.1)/(29 - 3) | 0.00953846 |
| 0.128 (6/10/2020) | ND<0.1 U (9/23/2013) | (0.128 - 0.1)/(30 - 3) | 0.00103704 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.128 - 0.1)/(35 - 3) | 0.000875 |
| 0.178 (11/23/2021) | ND<0.1 U (9/23/2013) | (0.178 - 0.1)/(36 - 3) | 0.00236364 |
| 0.136 (1/10/2022) | ND<0.1 U (9/23/2013) | (0.136 - 0.1)/(37 - 3) | 0.00105882 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (9/23/2013) | (0.123 - 0.1)/(39 - 3) | 0.000638889 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (9/23/2013) | (0.102 - 0.1)/(42 - 3) | 5.12821e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.124 - 0.1)/(43 - 3) | 0.0006 |
| 0.089 (12/12/2023) | ND<0.1 U (9/23/2013) | (0.089 - 0.1)/(44 - 3) | -0.000268293 |
| 0.117 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.117 - 0.1)/(45 - 3) | 0.000404762 |
| 0.121 (5/20/2024) | ND<0.1 U (9/23/2013) | (0.121 - 0.1)/(46 - 3) | 0.000488372 |
| 0.201 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.201 - 0.1)/(47 - 3) | 0.00229545 |
| 0.222 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.222 - 0.1)/(48 - 3) | 0.00271111 |
| 0.156 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.156 - 0.1)/(49 - 3) | 0.00121739 |

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|---|---|---|---|
| ND<0.1 U (2/6/2014) | 0.19 (12/10/2013) | (0.1 - 0.19)/(5 - 4) | -0.09 |
| 0.16 (6/26/2014) | 0.19 (12/10/2013) | (0.16 - 0.19)/(6 - 4) | -0.015 |
| ND<0.1 U (9/30/2014) | 0.19 (12/10/2013) | (0.1 - 0.19)/(7 - 4) | -0.03 |
| 0.22 (11/19/2014) | 0.19 (12/10/2013) | (0.22 - 0.19)/(8 - 4) | 0.0075 |
| 0.14 (3/23/2015) | 0.19 (12/10/2013) | (0.14 - 0.19)/(9 - 4) | -0.01 |
| ND<0.1 U (4/22/2015) | 0.19 (12/10/2013) | (0.1 - 0.19)/(10 - 4) | -0.015 |
| 0.18 (9/30/2015) | 0.19 (12/10/2013) | (0.18 - 0.19)/(11 - 4) | -0.00142857 |
| 0.18 (11/19/2015) | 0.19 (12/10/2013) | (0.18 - 0.19)/(12 - 4) | -0.00125 |
| ND<0.1 U (3/15/2016) | 0.19 (12/10/2013) | (0.1 - 0.19)/(13 - 4) | -0.01 |
| 0.16 (6/29/2016) | 0.19 (12/10/2013) | (0.16 - 0.19)/(14 - 4) | -0.003 |
| 0.12 (8/9/2016) | 0.19 (12/10/2013) | (0.12 - 0.19)/(15 - 4) | -0.00636364 |
| 0.15 (12/7/2016) | 0.19 (12/10/2013) | (0.15 - 0.19)/(16 - 4) | -0.00333333 |
| 0.15 (3/2/2017) | 0.19 (12/10/2013) | (0.15 - 0.19)/(17 - 4) | -0.00307692 |
| 0.11 (6/21/2017) | 0.19 (12/10/2013) | (0.11 - 0.19)/(18 - 4) | -0.00571429 |
| ND<0.1 U (8/17/2017) | 0.19 (12/10/2013) | (0.1 - 0.19)/(19 - 4) | -0.006 |
| ND<0.1 U (10/26/2017) | 0.19 (12/10/2013) | (0.1 - 0.19)/(20 - 4) | -0.005625 |
| 0.148 (3/27/2018) | 0.19 (12/10/2013) | (0.148 - 0.19)/(21 - 4) | -0.00247059 |
| 0.148 (6/26/2018) | 0.19 (12/10/2013) | (0.148 - 0.19)/(22 - 4) | -0.00233333 |

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|---|---|---|---|
| 0.276 (8/1/2018) | 0.19 (12/10/2013) | (0.276 - 0.19)/(23 - 4) | 0.00452632 |
| 0.117 (12/11/2018) | 0.19 (12/10/2013) | (0.117 - 0.19)/(24 - 4) | -0.00365 |
| ND<0.1 U (4/17/2019) | 0.19 (12/10/2013) | (0.1 - 0.19)/(25 - 4) | -0.00428571 |
| ND<0.1 U (6/11/2019) | 0.19 (12/10/2013) | (0.1 - 0.19)/(26 - 4) | -0.00409091 |
| 0.174 (8/28/2019) | 0.19 (12/10/2013) | (0.174 - 0.19)/(27 - 4) | -0.000695652 |
| 0.167 (10/28/2019) | 0.19 (12/10/2013) | (0.167 - 0.19)/(28 - 4) | -0.000958333 |
| 0.348 (3/31/2020) | 0.19 (12/10/2013) | (0.348 - 0.19)/(29 - 4) | 0.00632 |
| 0.128 (6/10/2020) | 0.19 (12/10/2013) | (0.128 - 0.19)/(30 - 4) | -0.00238462 |
| ND<0.1 U (9/21/2020) | 0.19 (12/10/2013) | (0.1 - 0.19)/(31 - 4) | -0.00333333 |
| ND<0.1 U (12/17/2020) | 0.19 (12/10/2013) | (0.1 - 0.19)/(32 - 4) | -0.00321429 |
| ND<0.1 U (3/18/2021) | 0.19 (12/10/2013) | (0.1 - 0.19)/(33 - 4) | -0.00310345 |
| ND<0.1 U (5/5/2021) | 0.19 (12/10/2013) | (0.1 - 0.19)/(34 - 4) | -0.003 |
| 0.128 (9/2/2021) | 0.19 (12/10/2013) | (0.128 - 0.19)/(35 - 4) | -0.002 |
| 0.178 (11/23/2021) | 0.19 (12/10/2013) | (0.178 - 0.19)/(36 - 4) | -0.000375 |
| 0.136 (1/10/2022) | 0.19 (12/10/2013) | (0.136 - 0.19)/(37 - 4) | -0.00163636 |
| ND<0.1 U (4/7/2022) | 0.19 (12/10/2013) | (0.1 - 0.19)/(38 - 4) | -0.00264706 |
| 0.123 (8/3/2022) | 0.19 (12/10/2013) | (0.123 - 0.19)/(39 - 4) | -0.00191429 |
| ND<0.1 U (11/16/2022) | 0.19 (12/10/2013) | (0.1 - 0.19)/(40 - 4) | -0.0025 |
| ND<0.1 U (2/13/2023) | 0.19 (12/10/2013) | (0.1 - 0.19)/(41 - 4) | -0.00243243 |
| 0.102 (5/24/2023) | 0.19 (12/10/2013) | (0.102 - 0.19)/(42 - 4) | -0.00231579 |
| 0.124 (8/7/2023) | 0.19 (12/10/2013) | (0.124 - 0.19)/(43 - 4) | -0.00169231 |
| 0.089 (12/12/2023) | 0.19 (12/10/2013) | (0.089 - 0.19)/(44 - 4) | -0.002525 |
| 0.117 (1/10/2024) | 0.19 (12/10/2013) | (0.117 - 0.19)/(45 - 4) | -0.00178049 |
| 0.121 (5/20/2024) | 0.19 (12/10/2013) | (0.121 - 0.19)/(46 - 4) | -0.00164286 |
| 0.201 (9/16/2024) | 0.19 (12/10/2013) | (0.201 - 0.19)/(47 - 4) | 0.000255814 |
| 0.222 (12/11/2024) | 0.19 (12/10/2013) | (0.222 - 0.19)/(48 - 4) | 0.000727273 |
| 0.156 (2/18/2025) | 0.19 (12/10/2013) | (0.156 - 0.19)/(49 - 4) | -0.000755556 |

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|---|---|---|---|
| 0.16 (6/26/2014) | ND<0.1 U (2/6/2014) | (0.16 - 0.1)/(6 - 5) | 0.06 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| 0.22 (11/19/2014) | ND<0.1 U (2/6/2014) | (0.22 - 0.1)/(8 - 5) | 0.04 |
| 0.14 (3/23/2015) | ND<0.1 U (2/6/2014) | (0.14 - 0.1)/(9 - 5) | 0.01 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| 0.18 (9/30/2015) | ND<0.1 U (2/6/2014) | (0.18 - 0.1)/(11 - 5) | 0.0133333 |
| 0.18 (11/19/2015) | ND<0.1 U (2/6/2014) | (0.18 - 0.1)/(12 - 5) | 0.0114286 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| 0.16 (6/29/2016) | ND<0.1 U (2/6/2014) | (0.16 - 0.1)/(14 - 5) | 0.00666667 |
| 0.12 (8/9/2016) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(15 - 5) | 0.002 |
| 0.15 (12/7/2016) | ND<0.1 U (2/6/2014) | (0.15 - 0.1)/(16 - 5) | 0.00454545 |
| 0.15 (3/2/2017) | ND<0.1 U (2/6/2014) | (0.15 - 0.1)/(17 - 5) | 0.00416667 |
| 0.11 (6/21/2017) | ND<0.1 U (2/6/2014) | (0.11 - 0.1)/(18 - 5) | 0.000769231 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (2/6/2014) | (0.148 - 0.1)/(21 - 5) | 0.003 |
| 0.148 (6/26/2018) | ND<0.1 U (2/6/2014) | (0.148 - 0.1)/(22 - 5) | 0.00282353 |
| 0.276 (8/1/2018) | ND<0.1 U (2/6/2014) | (0.276 - 0.1)/(23 - 5) | 0.00977778 |
| 0.117 (12/11/2018) | ND<0.1 U (2/6/2014) | (0.117 - 0.1)/(24 - 5) | 0.000894737 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (2/6/2014) | (0.174 - 0.1)/(27 - 5) | 0.00336364 |
| 0.167 (10/28/2019) | ND<0.1 U (2/6/2014) | (0.167 - 0.1)/(28 - 5) | 0.00291304 |
| 0.348 (3/31/2020) | ND<0.1 U (2/6/2014) | (0.348 - 0.1)/(29 - 5) | 0.0103333 |
| 0.128 (6/10/2020) | ND<0.1 U (2/6/2014) | (0.128 - 0.1)/(30 - 5) | 0.00112 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(34 - 5) | 0 |

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|---|---|---|---|
| 0.128 (9/2/2021) | ND<0.1 U (2/6/2014) | (0.128 - 0.1)/(35 - 5) | 0.000933333 |
| 0.178 (11/23/2021) | ND<0.1 U (2/6/2014) | (0.178 - 0.1)/(36 - 5) | 0.00251613 |
| 0.136 (1/10/2022) | ND<0.1 U (2/6/2014) | (0.136 - 0.1)/(37 - 5) | 0.001125 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(38 - 5) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (2/6/2014) | (0.123 - 0.1)/(39 - 5) | 0.000676471 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (2/6/2014) | (0.102 - 0.1)/(42 - 5) | 5.40541e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.124 - 0.1)/(43 - 5) | 0.000631579 |
| 0.089 (12/12/2023) | ND<0.1 U (2/6/2014) | (0.089 - 0.1)/(44 - 5) | -0.000282051 |
| 0.117 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.117 - 0.1)/(45 - 5) | 0.000425 |
| 0.121 (5/20/2024) | ND<0.1 U (2/6/2014) | (0.121 - 0.1)/(46 - 5) | 0.000512195 |
| 0.201 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.201 - 0.1)/(47 - 5) | 0.00240476 |
| 0.222 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.222 - 0.1)/(48 - 5) | 0.00283721 |
| 0.156 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.156 - 0.1)/(49 - 5) | 0.00127273 |

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|---|---|---|---|
| ND<0.1 U (9/30/2014) | 0.16 (6/26/2014) | (0.1 - 0.16)/(7 - 6) | -0.06 |
| 0.22 (11/19/2014) | 0.16 (6/26/2014) | (0.22 - 0.16)/(8 - 6) | 0.03 |
| 0.14 (3/23/2015) | 0.16 (6/26/2014) | (0.14 - 0.16)/(9 - 6) | -0.00666667 |
| ND<0.1 U (4/22/2015) | 0.16 (6/26/2014) | (0.1 - 0.16)/(10 - 6) | -0.015 |
| 0.18 (9/30/2015) | 0.16 (6/26/2014) | (0.18 - 0.16)/(11 - 6) | 0.004 |
| 0.18 (11/19/2015) | 0.16 (6/26/2014) | (0.18 - 0.16)/(12 - 6) | 0.00333333 |
| ND<0.1 U (3/15/2016) | 0.16 (6/26/2014) | (0.1 - 0.16)/(13 - 6) | -0.00857143 |
| 0.16 (6/29/2016) | 0.16 (6/26/2014) | (0.16 - 0.16)/(14 - 6) | 0 |
| 0.12 (8/9/2016) | 0.16 (6/26/2014) | (0.12 - 0.16)/(15 - 6) | -0.00444444 |
| 0.15 (12/7/2016) | 0.16 (6/26/2014) | (0.15 - 0.16)/(16 - 6) | -0.001 |
| 0.15 (3/2/2017) | 0.16 (6/26/2014) | (0.15 - 0.16)/(17 - 6) | -0.000909091 |
| 0.11 (6/21/2017) | 0.16 (6/26/2014) | (0.11 - 0.16)/(18 - 6) | -0.00416667 |
| ND<0.1 U (8/17/2017) | 0.16 (6/26/2014) | (0.1 - 0.16)/(19 - 6) | -0.00461538 |
| ND<0.1 U (10/26/2017) | 0.16 (6/26/2014) | (0.1 - 0.16)/(20 - 6) | -0.00428571 |
| 0.148 (3/27/2018) | 0.16 (6/26/2014) | (0.148 - 0.16)/(21 - 6) | -0.0008 |
| 0.148 (6/26/2018) | 0.16 (6/26/2014) | (0.148 - 0.16)/(22 - 6) | -0.00075 |
| 0.276 (8/1/2018) | 0.16 (6/26/2014) | (0.276 - 0.16)/(23 - 6) | 0.00682353 |
| 0.117 (12/11/2018) | 0.16 (6/26/2014) | (0.117 - 0.16)/(24 - 6) | -0.00238889 |
| ND<0.1 U (4/17/2019) | 0.16 (6/26/2014) | (0.1 - 0.16)/(25 - 6) | -0.00315789 |
| ND<0.1 U (6/11/2019) | 0.16 (6/26/2014) | (0.1 - 0.16)/(26 - 6) | -0.003 |
| 0.174 (8/28/2019) | 0.16 (6/26/2014) | (0.174 - 0.16)/(27 - 6) | 0.000666667 |
| 0.167 (10/28/2019) | 0.16 (6/26/2014) | (0.167 - 0.16)/(28 - 6) | 0.000318182 |
| 0.348 (3/31/2020) | 0.16 (6/26/2014) | (0.348 - 0.16)/(29 - 6) | 0.00817391 |
| 0.128 (6/10/2020) | 0.16 (6/26/2014) | (0.128 - 0.16)/(30 - 6) | -0.00133333 |
| ND<0.1 U (9/21/2020) | 0.16 (6/26/2014) | (0.1 - 0.16)/(31 - 6) | -0.0024 |
| ND<0.1 U (12/17/2020) | 0.16 (6/26/2014) | (0.1 - 0.16)/(32 - 6) | -0.00230769 |
| ND<0.1 U (3/18/2021) | 0.16 (6/26/2014) | (0.1 - 0.16)/(33 - 6) | -0.00222222 |
| ND<0.1 U (5/5/2021) | 0.16 (6/26/2014) | (0.1 - 0.16)/(34 - 6) | -0.00214286 |
| 0.128 (9/2/2021) | 0.16 (6/26/2014) | (0.128 - 0.16)/(35 - 6) | -0.00110345 |
| 0.178 (11/23/2021) | 0.16 (6/26/2014) | (0.178 - 0.16)/(36 - 6) | 0.0006 |
| 0.136 (1/10/2022) | 0.16 (6/26/2014) | (0.136 - 0.16)/(37 - 6) | -0.000774194 |
| ND<0.1 U (4/7/2022) | 0.16 (6/26/2014) | (0.1 - 0.16)/(38 - 6) | -0.001875 |
| 0.123 (8/3/2022) | 0.16 (6/26/2014) | (0.123 - 0.16)/(39 - 6) | -0.00112121 |
| ND<0.1 U (11/16/2022) | 0.16 (6/26/2014) | (0.1 - 0.16)/(40 - 6) | -0.00176471 |
| ND<0.1 U (2/13/2023) | 0.16 (6/26/2014) | (0.1 - 0.16)/(41 - 6) | -0.00171429 |
| 0.102 (5/24/2023) | 0.16 (6/26/2014) | (0.102 - 0.16)/(42 - 6) | -0.00161111 |
| 0.124 (8/7/2023) | 0.16 (6/26/2014) | (0.124 - 0.16)/(43 - 6) | -0.000972973 |
| 0.089 (12/12/2023) | 0.16 (6/26/2014) | (0.089 - 0.16)/(44 - 6) | -0.00186842 |
| 0.117 (1/10/2024) | 0.16 (6/26/2014) | (0.117 - 0.16)/(45 - 6) | -0.00110256 |
| 0.121 (5/20/2024) | 0.16 (6/26/2014) | (0.121 - 0.16)/(46 - 6) | -0.000975 |
| 0.201 (9/16/2024) | 0.16 (6/26/2014) | (0.201 - 0.16)/(47 - 6) | 0.001 |

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|---|---|---|---|
| 0.222 (12/11/2024) | 0.16 (6/26/2014) | (0.222 - 0.16)/(48 - 6) | 0.00147619 |
| 0.156 (2/18/2025) | 0.16 (6/26/2014) | (0.156 - 0.16)/(49 - 6) | -9.30233e-05 |
| | | | |
| 0.22 (11/19/2014) | ND<0.1 U (9/30/2014) | (0.22 - 0.1)/(8 - 7) | 0.12 |
| 0.14 (3/23/2015) | ND<0.1 U (9/30/2014) | (0.14 - 0.1)/(9 - 7) | 0.02 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| 0.18 (9/30/2015) | ND<0.1 U (9/30/2014) | (0.18 - 0.1)/(11 - 7) | 0.02 |
| 0.18 (11/19/2015) | ND<0.1 U (9/30/2014) | (0.18 - 0.1)/(12 - 7) | 0.016 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| 0.16 (6/29/2016) | ND<0.1 U (9/30/2014) | (0.16 - 0.1)/(14 - 7) | 0.00857143 |
| 0.12 (8/9/2016) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(15 - 7) | 0.0025 |
| 0.15 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(16 - 7) | 0.00555556 |
| 0.15 (3/2/2017) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(17 - 7) | 0.005 |
| 0.11 (6/21/2017) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(18 - 7) | 0.000909091 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (9/30/2014) | (0.148 - 0.1)/(21 - 7) | 0.00342857 |
| 0.148 (6/26/2018) | ND<0.1 U (9/30/2014) | (0.148 - 0.1)/(22 - 7) | 0.0032 |
| 0.276 (8/1/2018) | ND<0.1 U (9/30/2014) | (0.276 - 0.1)/(23 - 7) | 0.011 |
| 0.117 (12/11/2018) | ND<0.1 U (9/30/2014) | (0.117 - 0.1)/(24 - 7) | 0.001 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (9/30/2014) | (0.174 - 0.1)/(27 - 7) | 0.0037 |
| 0.167 (10/28/2019) | ND<0.1 U (9/30/2014) | (0.167 - 0.1)/(28 - 7) | 0.00319048 |
| 0.348 (3/31/2020) | ND<0.1 U (9/30/2014) | (0.348 - 0.1)/(29 - 7) | 0.0112727 |
| 0.128 (6/10/2020) | ND<0.1 U (9/30/2014) | (0.128 - 0.1)/(30 - 7) | 0.00121739 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.128 - 0.1)/(35 - 7) | 0.001 |
| 0.178 (11/23/2021) | ND<0.1 U (9/30/2014) | (0.178 - 0.1)/(36 - 7) | 0.00268966 |
| 0.136 (1/10/2022) | ND<0.1 U (9/30/2014) | (0.136 - 0.1)/(37 - 7) | 0.0012 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (9/30/2014) | (0.123 - 0.1)/(39 - 7) | 0.00071875 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (9/30/2014) | (0.102 - 0.1)/(42 - 7) | 5.71429e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.124 - 0.1)/(43 - 7) | 0.000666667 |
| 0.089 (12/12/2023) | ND<0.1 U (9/30/2014) | (0.089 - 0.1)/(44 - 7) | -0.000297297 |
| 0.117 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.117 - 0.1)/(45 - 7) | 0.000447368 |
| 0.121 (5/20/2024) | ND<0.1 U (9/30/2014) | (0.121 - 0.1)/(46 - 7) | 0.000538462 |
| 0.201 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.201 - 0.1)/(47 - 7) | 0.002525 |
| 0.222 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.222 - 0.1)/(48 - 7) | 0.00297561 |
| 0.156 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.156 - 0.1)/(49 - 7) | 0.00133333 |
| | | | |
| 0.14 (3/23/2015) | 0.22 (11/19/2014) | (0.14 - 0.22)/(9 - 8) | -0.08 |
| ND<0.1 U (4/22/2015) | 0.22 (11/19/2014) | (0.1 - 0.22)/(10 - 8) | -0.06 |
| 0.18 (9/30/2015) | 0.22 (11/19/2014) | (0.18 - 0.22)/(11 - 8) | -0.0133333 |
| 0.18 (11/19/2015) | 0.22 (11/19/2014) | (0.18 - 0.22)/(12 - 8) | -0.01 |
| ND<0.1 U (3/15/2016) | 0.22 (11/19/2014) | (0.1 - 0.22)/(13 - 8) | -0.024 |
| 0.16 (6/29/2016) | 0.22 (11/19/2014) | (0.16 - 0.22)/(14 - 8) | -0.01 |
| 0.12 (8/9/2016) | 0.22 (11/19/2014) | (0.12 - 0.22)/(15 - 8) | -0.0142857 |
| 0.15 (12/7/2016) | 0.22 (11/19/2014) | (0.15 - 0.22)/(16 - 8) | -0.00875 |
| 0.15 (3/2/2017) | 0.22 (11/19/2014) | (0.15 - 0.22)/(17 - 8) | -0.00777778 |
| 0.11 (6/21/2017) | 0.22 (11/19/2014) | (0.11 - 0.22)/(18 - 8) | -0.011 |
| ND<0.1 U (8/17/2017) | 0.22 (11/19/2014) | (0.1 - 0.22)/(19 - 8) | -0.0109091 |

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|---|---|---|---|
| ND<0.1 U (10/26/2017) | 0.22 (11/19/2014) | (0.1 - 0.22)/(20 - 8) | -0.01 |
| 0.148 (3/27/2018) | 0.22 (11/19/2014) | (0.148 - 0.22)/(21 - 8) | -0.00553846 |
| 0.148 (6/26/2018) | 0.22 (11/19/2014) | (0.148 - 0.22)/(22 - 8) | -0.00514286 |
| 0.276 (8/1/2018) | 0.22 (11/19/2014) | (0.276 - 0.22)/(23 - 8) | 0.00373333 |
| 0.117 (12/11/2018) | 0.22 (11/19/2014) | (0.117 - 0.22)/(24 - 8) | -0.0064375 |
| ND<0.1 U (4/17/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(25 - 8) | -0.00705882 |
| ND<0.1 U (6/11/2019) | 0.22 (11/19/2014) | (0.1 - 0.22)/(26 - 8) | -0.00666667 |
| 0.174 (8/28/2019) | 0.22 (11/19/2014) | (0.174 - 0.22)/(27 - 8) | -0.00242105 |
| 0.167 (10/28/2019) | 0.22 (11/19/2014) | (0.167 - 0.22)/(28 - 8) | -0.00265 |
| 0.348 (3/31/2020) | 0.22 (11/19/2014) | (0.348 - 0.22)/(29 - 8) | 0.00609524 |
| 0.128 (6/10/2020) | 0.22 (11/19/2014) | (0.128 - 0.22)/(30 - 8) | -0.00418182 |
| ND<0.1 U (9/21/2020) | 0.22 (11/19/2014) | (0.1 - 0.22)/(31 - 8) | -0.00521739 |
| ND<0.1 U (12/17/2020) | 0.22 (11/19/2014) | (0.1 - 0.22)/(32 - 8) | -0.005 |
| ND<0.1 U (3/18/2021) | 0.22 (11/19/2014) | (0.1 - 0.22)/(33 - 8) | -0.0048 |
| ND<0.1 U (5/5/2021) | 0.22 (11/19/2014) | (0.1 - 0.22)/(34 - 8) | -0.00461538 |
| 0.128 (9/2/2021) | 0.22 (11/19/2014) | (0.128 - 0.22)/(35 - 8) | -0.00340741 |
| 0.178 (11/23/2021) | 0.22 (11/19/2014) | (0.178 - 0.22)/(36 - 8) | -0.0015 |
| 0.136 (1/10/2022) | 0.22 (11/19/2014) | (0.136 - 0.22)/(37 - 8) | -0.00289655 |
| ND<0.1 U (4/7/2022) | 0.22 (11/19/2014) | (0.1 - 0.22)/(38 - 8) | -0.004 |
| 0.123 (8/3/2022) | 0.22 (11/19/2014) | (0.123 - 0.22)/(39 - 8) | -0.00312903 |
| ND<0.1 U (11/16/2022) | 0.22 (11/19/2014) | (0.1 - 0.22)/(40 - 8) | -0.00375 |
| ND<0.1 U (2/13/2023) | 0.22 (11/19/2014) | (0.1 - 0.22)/(41 - 8) | -0.00363636 |
| 0.102 (5/24/2023) | 0.22 (11/19/2014) | (0.102 - 0.22)/(42 - 8) | -0.00347059 |
| 0.124 (8/7/2023) | 0.22 (11/19/2014) | (0.124 - 0.22)/(43 - 8) | -0.00274286 |
| 0.089 (12/12/2023) | 0.22 (11/19/2014) | (0.089 - 0.22)/(44 - 8) | -0.00363889 |
| 0.117 (1/10/2024) | 0.22 (11/19/2014) | (0.117 - 0.22)/(45 - 8) | -0.00278378 |
| 0.121 (5/20/2024) | 0.22 (11/19/2014) | (0.121 - 0.22)/(46 - 8) | -0.00260526 |
| 0.201 (9/16/2024) | 0.22 (11/19/2014) | (0.201 - 0.22)/(47 - 8) | -0.000487179 |
| 0.222 (12/11/2024) | 0.22 (11/19/2014) | (0.222 - 0.22)/(48 - 8) | 5e-05 |
| 0.156 (2/18/2025) | 0.22 (11/19/2014) | (0.156 - 0.22)/(49 - 8) | -0.00156098 |
| | | | |
| ND<0.1 U (4/22/2015) | 0.14 (3/23/2015) | (0.1 - 0.14)/(10 - 9) | -0.04 |
| 0.18 (9/30/2015) | 0.14 (3/23/2015) | (0.18 - 0.14)/(11 - 9) | 0.02 |
| 0.18 (11/19/2015) | 0.14 (3/23/2015) | (0.18 - 0.14)/(12 - 9) | 0.0133333 |
| ND<0.1 U (3/15/2016) | 0.14 (3/23/2015) | (0.1 - 0.14)/(13 - 9) | -0.01 |
| 0.16 (6/29/2016) | 0.14 (3/23/2015) | (0.16 - 0.14)/(14 - 9) | 0.004 |
| 0.12 (8/9/2016) | 0.14 (3/23/2015) | (0.12 - 0.14)/(15 - 9) | -0.00333333 |
| 0.15 (12/7/2016) | 0.14 (3/23/2015) | (0.15 - 0.14)/(16 - 9) | 0.00142857 |
| 0.15 (3/2/2017) | 0.14 (3/23/2015) | (0.15 - 0.14)/(17 - 9) | 0.00125 |
| 0.11 (6/21/2017) | 0.14 (3/23/2015) | (0.11 - 0.14)/(18 - 9) | -0.00333333 |
| ND<0.1 U (8/17/2017) | 0.14 (3/23/2015) | (0.1 - 0.14)/(19 - 9) | -0.004 |
| ND<0.1 U (10/26/2017) | 0.14 (3/23/2015) | (0.1 - 0.14)/(20 - 9) | -0.00363636 |
| 0.148 (3/27/2018) | 0.14 (3/23/2015) | (0.148 - 0.14)/(21 - 9) | 0.000666667 |
| 0.148 (6/26/2018) | 0.14 (3/23/2015) | (0.148 - 0.14)/(22 - 9) | 0.000615385 |
| 0.276 (8/1/2018) | 0.14 (3/23/2015) | (0.276 - 0.14)/(23 - 9) | 0.00971429 |
| 0.117 (12/11/2018) | 0.14 (3/23/2015) | (0.117 - 0.14)/(24 - 9) | -0.00153333 |
| ND<0.1 U (4/17/2019) | 0.14 (3/23/2015) | (0.1 - 0.14)/(25 - 9) | -0.0025 |
| ND<0.1 U (6/11/2019) | 0.14 (3/23/2015) | (0.1 - 0.14)/(26 - 9) | -0.00235294 |
| 0.174 (8/28/2019) | 0.14 (3/23/2015) | (0.174 - 0.14)/(27 - 9) | 0.00188889 |
| 0.167 (10/28/2019) | 0.14 (3/23/2015) | (0.167 - 0.14)/(28 - 9) | 0.00142105 |
| 0.348 (3/31/2020) | 0.14 (3/23/2015) | (0.348 - 0.14)/(29 - 9) | 0.0104 |
| 0.128 (6/10/2020) | 0.14 (3/23/2015) | (0.128 - 0.14)/(30 - 9) | -0.000571429 |
| ND<0.1 U (9/21/2020) | 0.14 (3/23/2015) | (0.1 - 0.14)/(31 - 9) | -0.00181818 |
| ND<0.1 U (12/17/2020) | 0.14 (3/23/2015) | (0.1 - 0.14)/(32 - 9) | -0.00173913 |
| ND<0.1 U (3/18/2021) | 0.14 (3/23/2015) | (0.1 - 0.14)/(33 - 9) | -0.00166667 |
| ND<0.1 U (5/5/2021) | 0.14 (3/23/2015) | (0.1 - 0.14)/(34 - 9) | -0.0016 |
| 0.128 (9/2/2021) | 0.14 (3/23/2015) | (0.128 - 0.14)/(35 - 9) | -0.000461538 |

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|---|---|---|---|
| 0.178 (11/23/2021) | 0.14 (3/23/2015) | (0.178 - 0.14)/(36 - 9) | 0.00140741 |
| 0.136 (1/10/2022) | 0.14 (3/23/2015) | (0.136 - 0.14)/(37 - 9) | -0.000142857 |
| ND<0.1 U (4/7/2022) | 0.14 (3/23/2015) | (0.1 - 0.14)/(38 - 9) | -0.00137931 |
| 0.123 (8/3/2022) | 0.14 (3/23/2015) | (0.123 - 0.14)/(39 - 9) | -0.000566667 |
| ND<0.1 U (11/16/2022) | 0.14 (3/23/2015) | (0.1 - 0.14)/(40 - 9) | -0.00129032 |
| ND<0.1 U (2/13/2023) | 0.14 (3/23/2015) | (0.1 - 0.14)/(41 - 9) | -0.00125 |
| 0.102 (5/24/2023) | 0.14 (3/23/2015) | (0.102 - 0.14)/(42 - 9) | -0.00115152 |
| 0.124 (8/7/2023) | 0.14 (3/23/2015) | (0.124 - 0.14)/(43 - 9) | -0.000470588 |
| 0.089 (12/12/2023) | 0.14 (3/23/2015) | (0.089 - 0.14)/(44 - 9) | -0.00145714 |
| 0.117 (1/10/2024) | 0.14 (3/23/2015) | (0.117 - 0.14)/(45 - 9) | -0.000638889 |
| 0.121 (5/20/2024) | 0.14 (3/23/2015) | (0.121 - 0.14)/(46 - 9) | -0.000513514 |
| 0.201 (9/16/2024) | 0.14 (3/23/2015) | (0.201 - 0.14)/(47 - 9) | 0.00160526 |
| 0.222 (12/11/2024) | 0.14 (3/23/2015) | (0.222 - 0.14)/(48 - 9) | 0.00210256 |
| 0.156 (2/18/2025) | 0.14 (3/23/2015) | (0.156 - 0.14)/(49 - 9) | 0.0004 |

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|---|---|---|---|
| 0.18 (9/30/2015) | ND<0.1 U (4/22/2015) | (0.18 - 0.1)/(11 - 10) | 0.08 |
| 0.18 (11/19/2015) | ND<0.1 U (4/22/2015) | (0.18 - 0.1)/(12 - 10) | 0.04 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| 0.16 (6/29/2016) | ND<0.1 U (4/22/2015) | (0.16 - 0.1)/(14 - 10) | 0.015 |
| 0.12 (8/9/2016) | ND<0.1 U (4/22/2015) | (0.12 - 0.1)/(15 - 10) | 0.004 |
| 0.15 (12/7/2016) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(16 - 10) | 0.00833333 |
| 0.15 (3/2/2017) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(17 - 10) | 0.00714286 |
| 0.11 (6/21/2017) | ND<0.1 U (4/22/2015) | (0.11 - 0.1)/(18 - 10) | 0.00125 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (4/22/2015) | (0.148 - 0.1)/(21 - 10) | 0.00436364 |
| 0.148 (6/26/2018) | ND<0.1 U (4/22/2015) | (0.148 - 0.1)/(22 - 10) | 0.004 |
| 0.276 (8/1/2018) | ND<0.1 U (4/22/2015) | (0.276 - 0.1)/(23 - 10) | 0.0135385 |
| 0.117 (12/11/2018) | ND<0.1 U (4/22/2015) | (0.117 - 0.1)/(24 - 10) | 0.00121429 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (4/22/2015) | (0.174 - 0.1)/(27 - 10) | 0.00435294 |
| 0.167 (10/28/2019) | ND<0.1 U (4/22/2015) | (0.167 - 0.1)/(28 - 10) | 0.00372222 |
| 0.348 (3/31/2020) | ND<0.1 U (4/22/2015) | (0.348 - 0.1)/(29 - 10) | 0.0130526 |
| 0.128 (6/10/2020) | ND<0.1 U (4/22/2015) | (0.128 - 0.1)/(30 - 10) | 0.0014 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (4/22/2015) | (0.128 - 0.1)/(35 - 10) | 0.00112 |
| 0.178 (11/23/2021) | ND<0.1 U (4/22/2015) | (0.178 - 0.1)/(36 - 10) | 0.003 |
| 0.136 (1/10/2022) | ND<0.1 U (4/22/2015) | (0.136 - 0.1)/(37 - 10) | 0.00133333 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(38 - 10) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (4/22/2015) | (0.123 - 0.1)/(39 - 10) | 0.000793103 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (4/22/2015) | (0.102 - 0.1)/(42 - 10) | 6.25e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.124 - 0.1)/(43 - 10) | 0.000727273 |
| 0.089 (12/12/2023) | ND<0.1 U (4/22/2015) | (0.089 - 0.1)/(44 - 10) | -0.000323529 |
| 0.117 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.117 - 0.1)/(45 - 10) | 0.000485714 |
| 0.121 (5/20/2024) | ND<0.1 U (4/22/2015) | (0.121 - 0.1)/(46 - 10) | 0.000583333 |
| 0.201 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.201 - 0.1)/(47 - 10) | 0.00272973 |
| 0.222 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.222 - 0.1)/(48 - 10) | 0.00321053 |
| 0.156 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.156 - 0.1)/(49 - 10) | 0.0014359 |

| | | | |
|---|---|---|---|
| 0.18 (11/19/2015) | 0.18 (9/30/2015) | (0.18 - 0.18)/(12 - 11) | 0 |
| ND<0.1 U (3/15/2016) | 0.18 (9/30/2015) | (0.1 - 0.18)/(13 - 11) | -0.04 |

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|---|---|---|---|
| 0.16 (6/29/2016) | 0.18 (9/30/2015) | (0.16 - 0.18)/(14 - 11) | -0.00666667 |
| 0.12 (8/9/2016) | 0.18 (9/30/2015) | (0.12 - 0.18)/(15 - 11) | -0.015 |
| 0.15 (12/7/2016) | 0.18 (9/30/2015) | (0.15 - 0.18)/(16 - 11) | -0.006 |
| 0.15 (3/2/2017) | 0.18 (9/30/2015) | (0.15 - 0.18)/(17 - 11) | -0.005 |
| 0.11 (6/21/2017) | 0.18 (9/30/2015) | (0.11 - 0.18)/(18 - 11) | -0.01 |
| ND<0.1 U (8/17/2017) | 0.18 (9/30/2015) | (0.1 - 0.18)/(19 - 11) | -0.01 |
| ND<0.1 U (10/26/2017) | 0.18 (9/30/2015) | (0.1 - 0.18)/(20 - 11) | -0.00888889 |
| 0.148 (3/27/2018) | 0.18 (9/30/2015) | (0.148 - 0.18)/(21 - 11) | -0.0032 |
| 0.148 (6/26/2018) | 0.18 (9/30/2015) | (0.148 - 0.18)/(22 - 11) | -0.00290909 |
| 0.276 (8/1/2018) | 0.18 (9/30/2015) | (0.276 - 0.18)/(23 - 11) | 0.008 |
| 0.117 (12/11/2018) | 0.18 (9/30/2015) | (0.117 - 0.18)/(24 - 11) | -0.00484615 |
| ND<0.1 U (4/17/2019) | 0.18 (9/30/2015) | (0.1 - 0.18)/(25 - 11) | -0.00571429 |
| ND<0.1 U (6/11/2019) | 0.18 (9/30/2015) | (0.1 - 0.18)/(26 - 11) | -0.00533333 |
| 0.174 (8/28/2019) | 0.18 (9/30/2015) | (0.174 - 0.18)/(27 - 11) | -0.000375 |
| 0.167 (10/28/2019) | 0.18 (9/30/2015) | (0.167 - 0.18)/(28 - 11) | -0.000764706 |
| 0.348 (3/31/2020) | 0.18 (9/30/2015) | (0.348 - 0.18)/(29 - 11) | 0.00933333 |
| 0.128 (6/10/2020) | 0.18 (9/30/2015) | (0.128 - 0.18)/(30 - 11) | -0.00273684 |
| ND<0.1 U (9/21/2020) | 0.18 (9/30/2015) | (0.1 - 0.18)/(31 - 11) | -0.004 |
| ND<0.1 U (12/17/2020) | 0.18 (9/30/2015) | (0.1 - 0.18)/(32 - 11) | -0.00380952 |
| ND<0.1 U (3/18/2021) | 0.18 (9/30/2015) | (0.1 - 0.18)/(33 - 11) | -0.00363636 |
| ND<0.1 U (5/5/2021) | 0.18 (9/30/2015) | (0.1 - 0.18)/(34 - 11) | -0.00347826 |
| 0.128 (9/2/2021) | 0.18 (9/30/2015) | (0.128 - 0.18)/(35 - 11) | -0.00216667 |
| 0.178 (11/23/2021) | 0.18 (9/30/2015) | (0.178 - 0.18)/(36 - 11) | -8e-05 |
| 0.136 (1/10/2022) | 0.18 (9/30/2015) | (0.136 - 0.18)/(37 - 11) | -0.00169231 |
| ND<0.1 U (4/7/2022) | 0.18 (9/30/2015) | (0.1 - 0.18)/(38 - 11) | -0.00296296 |
| 0.123 (8/3/2022) | 0.18 (9/30/2015) | (0.123 - 0.18)/(39 - 11) | -0.00203571 |
| ND<0.1 U (11/16/2022) | 0.18 (9/30/2015) | (0.1 - 0.18)/(40 - 11) | -0.00275862 |
| ND<0.1 U (2/13/2023) | 0.18 (9/30/2015) | (0.1 - 0.18)/(41 - 11) | -0.00266667 |
| 0.102 (5/24/2023) | 0.18 (9/30/2015) | (0.102 - 0.18)/(42 - 11) | -0.00251613 |
| 0.124 (8/7/2023) | 0.18 (9/30/2015) | (0.124 - 0.18)/(43 - 11) | -0.00175 |
| 0.089 (12/12/2023) | 0.18 (9/30/2015) | (0.089 - 0.18)/(44 - 11) | -0.00275758 |
| 0.117 (1/10/2024) | 0.18 (9/30/2015) | (0.117 - 0.18)/(45 - 11) | -0.00185294 |
| 0.121 (5/20/2024) | 0.18 (9/30/2015) | (0.121 - 0.18)/(46 - 11) | -0.00168571 |
| 0.201 (9/16/2024) | 0.18 (9/30/2015) | (0.201 - 0.18)/(47 - 11) | 0.000583333 |
| 0.222 (12/11/2024) | 0.18 (9/30/2015) | (0.222 - 0.18)/(48 - 11) | 0.00113514 |
| 0.156 (2/18/2025) | 0.18 (9/30/2015) | (0.156 - 0.18)/(49 - 11) | -0.000631579 |
| | | | |
| ND<0.1 U (3/15/2016) | 0.18 (11/19/2015) | (0.1 - 0.18)/(13 - 12) | -0.08 |
| 0.16 (6/29/2016) | 0.18 (11/19/2015) | (0.16 - 0.18)/(14 - 12) | -0.01 |
| 0.12 (8/9/2016) | 0.18 (11/19/2015) | (0.12 - 0.18)/(15 - 12) | -0.02 |
| 0.15 (12/7/2016) | 0.18 (11/19/2015) | (0.15 - 0.18)/(16 - 12) | -0.0075 |
| 0.15 (3/2/2017) | 0.18 (11/19/2015) | (0.15 - 0.18)/(17 - 12) | -0.006 |
| 0.11 (6/21/2017) | 0.18 (11/19/2015) | (0.11 - 0.18)/(18 - 12) | -0.0116667 |
| ND<0.1 U (8/17/2017) | 0.18 (11/19/2015) | (0.1 - 0.18)/(19 - 12) | -0.0114286 |
| ND<0.1 U (10/26/2017) | 0.18 (11/19/2015) | (0.1 - 0.18)/(20 - 12) | -0.01 |
| 0.148 (3/27/2018) | 0.18 (11/19/2015) | (0.148 - 0.18)/(21 - 12) | -0.00355556 |
| 0.148 (6/26/2018) | 0.18 (11/19/2015) | (0.148 - 0.18)/(22 - 12) | -0.0032 |
| 0.276 (8/1/2018) | 0.18 (11/19/2015) | (0.276 - 0.18)/(23 - 12) | 0.00872727 |
| 0.117 (12/11/2018) | 0.18 (11/19/2015) | (0.117 - 0.18)/(24 - 12) | -0.00525 |
| ND<0.1 U (4/17/2019) | 0.18 (11/19/2015) | (0.1 - 0.18)/(25 - 12) | -0.00615385 |
| ND<0.1 U (6/11/2019) | 0.18 (11/19/2015) | (0.1 - 0.18)/(26 - 12) | -0.00571429 |
| 0.174 (8/28/2019) | 0.18 (11/19/2015) | (0.174 - 0.18)/(27 - 12) | -0.0004 |
| 0.167 (10/28/2019) | 0.18 (11/19/2015) | (0.167 - 0.18)/(28 - 12) | -0.0008125 |
| 0.348 (3/31/2020) | 0.18 (11/19/2015) | (0.348 - 0.18)/(29 - 12) | 0.00988235 |
| 0.128 (6/10/2020) | 0.18 (11/19/2015) | (0.128 - 0.18)/(30 - 12) | -0.00288889 |
| ND<0.1 U (9/21/2020) | 0.18 (11/19/2015) | (0.1 - 0.18)/(31 - 12) | -0.00421053 |
| ND<0.1 U (12/17/2020) | 0.18 (11/19/2015) | (0.1 - 0.18)/(32 - 12) | -0.004 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.18 (11/19/2015) | (0.1 - 0.18)/(33 - 12) | -0.00380952 |
| ND<0.1 U (5/5/2021) | 0.18 (11/19/2015) | (0.1 - 0.18)/(34 - 12) | -0.00363636 |
| 0.128 (9/2/2021) | 0.18 (11/19/2015) | (0.128 - 0.18)/(35 - 12) | -0.00226087 |
| 0.178 (11/23/2021) | 0.18 (11/19/2015) | (0.178 - 0.18)/(36 - 12) | -8.33333e-05 |
| 0.136 (1/10/2022) | 0.18 (11/19/2015) | (0.136 - 0.18)/(37 - 12) | -0.00176 |
| ND<0.1 U (4/7/2022) | 0.18 (11/19/2015) | (0.1 - 0.18)/(38 - 12) | -0.00307692 |
| 0.123 (8/3/2022) | 0.18 (11/19/2015) | (0.123 - 0.18)/(39 - 12) | -0.00211111 |
| ND<0.1 U (11/16/2022) | 0.18 (11/19/2015) | (0.1 - 0.18)/(40 - 12) | -0.00285714 |
| ND<0.1 U (2/13/2023) | 0.18 (11/19/2015) | (0.1 - 0.18)/(41 - 12) | -0.00275862 |
| 0.102 (5/24/2023) | 0.18 (11/19/2015) | (0.102 - 0.18)/(42 - 12) | -0.0026 |
| 0.124 (8/7/2023) | 0.18 (11/19/2015) | (0.124 - 0.18)/(43 - 12) | -0.00180645 |
| 0.089 (12/12/2023) | 0.18 (11/19/2015) | (0.089 - 0.18)/(44 - 12) | -0.00284375 |
| 0.117 (1/10/2024) | 0.18 (11/19/2015) | (0.117 - 0.18)/(45 - 12) | -0.00190909 |
| 0.121 (5/20/2024) | 0.18 (11/19/2015) | (0.121 - 0.18)/(46 - 12) | -0.00173529 |
| 0.201 (9/16/2024) | 0.18 (11/19/2015) | (0.201 - 0.18)/(47 - 12) | 0.0006 |
| 0.222 (12/11/2024) | 0.18 (11/19/2015) | (0.222 - 0.18)/(48 - 12) | 0.00116667 |
| 0.156 (2/18/2025) | 0.18 (11/19/2015) | (0.156 - 0.18)/(49 - 12) | -0.000648649 |
| | | | |
| 0.16 (6/29/2016) | ND<0.1 U (3/15/2016) | (0.16 - 0.1)/(14 - 13) | 0.06 |
| 0.12 (8/9/2016) | ND<0.1 U (3/15/2016) | (0.12 - 0.1)/(15 - 13) | 0.01 |
| 0.15 (12/7/2016) | ND<0.1 U (3/15/2016) | (0.15 - 0.1)/(16 - 13) | 0.0166667 |
| 0.15 (3/2/2017) | ND<0.1 U (3/15/2016) | (0.15 - 0.1)/(17 - 13) | 0.0125 |
| 0.11 (6/21/2017) | ND<0.1 U (3/15/2016) | (0.11 - 0.1)/(18 - 13) | 0.002 |
| ND<0.1 U (8/17/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(19 - 13) | 0 |
| ND<0.1 U (10/26/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(20 - 13) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (3/15/2016) | (0.148 - 0.1)/(21 - 13) | 0.006 |
| 0.148 (6/26/2018) | ND<0.1 U (3/15/2016) | (0.148 - 0.1)/(22 - 13) | 0.00533333 |
| 0.276 (8/1/2018) | ND<0.1 U (3/15/2016) | (0.276 - 0.1)/(23 - 13) | 0.0176 |
| 0.117 (12/11/2018) | ND<0.1 U (3/15/2016) | (0.117 - 0.1)/(24 - 13) | 0.00154545 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(25 - 13) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (3/15/2016) | (0.174 - 0.1)/(27 - 13) | 0.00528571 |
| 0.167 (10/28/2019) | ND<0.1 U (3/15/2016) | (0.167 - 0.1)/(28 - 13) | 0.00446667 |
| 0.348 (3/31/2020) | ND<0.1 U (3/15/2016) | (0.348 - 0.1)/(29 - 13) | 0.0155 |
| 0.128 (6/10/2020) | ND<0.1 U (3/15/2016) | (0.128 - 0.1)/(30 - 13) | 0.00164706 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(32 - 13) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(34 - 13) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (3/15/2016) | (0.128 - 0.1)/(35 - 13) | 0.00127273 |
| 0.178 (11/23/2021) | ND<0.1 U (3/15/2016) | (0.178 - 0.1)/(36 - 13) | 0.0033913 |
| 0.136 (1/10/2022) | ND<0.1 U (3/15/2016) | (0.136 - 0.1)/(37 - 13) | 0.0015 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(38 - 13) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (3/15/2016) | (0.123 - 0.1)/(39 - 13) | 0.000884615 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(40 - 13) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(41 - 13) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (3/15/2016) | (0.102 - 0.1)/(42 - 13) | 6.89655e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.124 - 0.1)/(43 - 13) | 0.0008 |
| 0.089 (12/12/2023) | ND<0.1 U (3/15/2016) | (0.089 - 0.1)/(44 - 13) | -0.000354839 |
| 0.117 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.117 - 0.1)/(45 - 13) | 0.00053125 |
| 0.121 (5/20/2024) | ND<0.1 U (3/15/2016) | (0.121 - 0.1)/(46 - 13) | 0.000636364 |
| 0.201 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.201 - 0.1)/(47 - 13) | 0.00297059 |
| 0.222 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.222 - 0.1)/(48 - 13) | 0.00348571 |
| 0.156 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.156 - 0.1)/(49 - 13) | 0.00155556 |
| | | | |
| 0.12 (8/9/2016) | 0.16 (6/29/2016) | (0.12 - 0.16)/(15 - 14) | -0.04 |
| 0.15 (12/7/2016) | 0.16 (6/29/2016) | (0.15 - 0.16)/(16 - 14) | -0.005 |

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|---|---|---|---|
| 0.15 (3/2/2017) | 0.16 (6/29/2016) | (0.15 - 0.16)/(17 - 14) | -0.00333333 |
| 0.11 (6/21/2017) | 0.16 (6/29/2016) | (0.11 - 0.16)/(18 - 14) | -0.0125 |
| ND<0.1 U (8/17/2017) | 0.16 (6/29/2016) | (0.1 - 0.16)/(19 - 14) | -0.012 |
| ND<0.1 U (10/26/2017) | 0.16 (6/29/2016) | (0.1 - 0.16)/(20 - 14) | -0.01 |
| 0.148 (3/27/2018) | 0.16 (6/29/2016) | (0.148 - 0.16)/(21 - 14) | -0.00171429 |
| 0.148 (6/26/2018) | 0.16 (6/29/2016) | (0.148 - 0.16)/(22 - 14) | -0.0015 |
| 0.276 (8/1/2018) | 0.16 (6/29/2016) | (0.276 - 0.16)/(23 - 14) | 0.0128889 |
| 0.117 (12/11/2018) | 0.16 (6/29/2016) | (0.117 - 0.16)/(24 - 14) | -0.0043 |
| ND<0.1 U (4/17/2019) | 0.16 (6/29/2016) | (0.1 - 0.16)/(25 - 14) | -0.00545455 |
| ND<0.1 U (6/11/2019) | 0.16 (6/29/2016) | (0.1 - 0.16)/(26 - 14) | -0.005 |
| 0.174 (8/28/2019) | 0.16 (6/29/2016) | (0.174 - 0.16)/(27 - 14) | 0.00107692 |
| 0.167 (10/28/2019) | 0.16 (6/29/2016) | (0.167 - 0.16)/(28 - 14) | 0.0005 |
| 0.348 (3/31/2020) | 0.16 (6/29/2016) | (0.348 - 0.16)/(29 - 14) | 0.0125333 |
| 0.128 (6/10/2020) | 0.16 (6/29/2016) | (0.128 - 0.16)/(30 - 14) | -0.002 |
| ND<0.1 U (9/21/2020) | 0.16 (6/29/2016) | (0.1 - 0.16)/(31 - 14) | -0.00352941 |
| ND<0.1 U (12/17/2020) | 0.16 (6/29/2016) | (0.1 - 0.16)/(32 - 14) | -0.00333333 |
| ND<0.1 U (3/18/2021) | 0.16 (6/29/2016) | (0.1 - 0.16)/(33 - 14) | -0.00315789 |
| ND<0.1 U (5/5/2021) | 0.16 (6/29/2016) | (0.1 - 0.16)/(34 - 14) | -0.003 |
| 0.128 (9/2/2021) | 0.16 (6/29/2016) | (0.128 - 0.16)/(35 - 14) | -0.00152381 |
| 0.178 (11/23/2021) | 0.16 (6/29/2016) | (0.178 - 0.16)/(36 - 14) | 0.000818182 |
| 0.136 (1/10/2022) | 0.16 (6/29/2016) | (0.136 - 0.16)/(37 - 14) | -0.00104348 |
| ND<0.1 U (4/7/2022) | 0.16 (6/29/2016) | (0.1 - 0.16)/(38 - 14) | -0.0025 |
| 0.123 (8/3/2022) | 0.16 (6/29/2016) | (0.123 - 0.16)/(39 - 14) | -0.00148 |
| ND<0.1 U (11/16/2022) | 0.16 (6/29/2016) | (0.1 - 0.16)/(40 - 14) | -0.00230769 |
| ND<0.1 U (2/13/2023) | 0.16 (6/29/2016) | (0.1 - 0.16)/(41 - 14) | -0.00222222 |
| 0.102 (5/24/2023) | 0.16 (6/29/2016) | (0.102 - 0.16)/(42 - 14) | -0.00207143 |
| 0.124 (8/7/2023) | 0.16 (6/29/2016) | (0.124 - 0.16)/(43 - 14) | -0.00124138 |
| 0.089 (12/12/2023) | 0.16 (6/29/2016) | (0.089 - 0.16)/(44 - 14) | -0.00236667 |
| 0.117 (1/10/2024) | 0.16 (6/29/2016) | (0.117 - 0.16)/(45 - 14) | -0.0013871 |
| 0.121 (5/20/2024) | 0.16 (6/29/2016) | (0.121 - 0.16)/(46 - 14) | -0.00121875 |
| 0.201 (9/16/2024) | 0.16 (6/29/2016) | (0.201 - 0.16)/(47 - 14) | 0.00124242 |
| 0.222 (12/11/2024) | 0.16 (6/29/2016) | (0.222 - 0.16)/(48 - 14) | 0.00182353 |
| 0.156 (2/18/2025) | 0.16 (6/29/2016) | (0.156 - 0.16)/(49 - 14) | -0.000114286 |

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|---|---|---|---|
| 0.15 (12/7/2016) | 0.12 (8/9/2016) | (0.15 - 0.12)/(16 - 15) | 0.03 |
| 0.15 (3/2/2017) | 0.12 (8/9/2016) | (0.15 - 0.12)/(17 - 15) | 0.015 |
| 0.11 (6/21/2017) | 0.12 (8/9/2016) | (0.11 - 0.12)/(18 - 15) | -0.00333333 |
| ND<0.1 U (8/17/2017) | 0.12 (8/9/2016) | (0.1 - 0.12)/(19 - 15) | -0.005 |
| ND<0.1 U (10/26/2017) | 0.12 (8/9/2016) | (0.1 - 0.12)/(20 - 15) | -0.004 |
| 0.148 (3/27/2018) | 0.12 (8/9/2016) | (0.148 - 0.12)/(21 - 15) | 0.00466667 |
| 0.148 (6/26/2018) | 0.12 (8/9/2016) | (0.148 - 0.12)/(22 - 15) | 0.004 |
| 0.276 (8/1/2018) | 0.12 (8/9/2016) | (0.276 - 0.12)/(23 - 15) | 0.0195 |
| 0.117 (12/11/2018) | 0.12 (8/9/2016) | (0.117 - 0.12)/(24 - 15) | -0.000333333 |
| ND<0.1 U (4/17/2019) | 0.12 (8/9/2016) | (0.1 - 0.12)/(25 - 15) | -0.002 |
| ND<0.1 U (6/11/2019) | 0.12 (8/9/2016) | (0.1 - 0.12)/(26 - 15) | -0.00181818 |
| 0.174 (8/28/2019) | 0.12 (8/9/2016) | (0.174 - 0.12)/(27 - 15) | 0.0045 |
| 0.167 (10/28/2019) | 0.12 (8/9/2016) | (0.167 - 0.12)/(28 - 15) | 0.00361538 |
| 0.348 (3/31/2020) | 0.12 (8/9/2016) | (0.348 - 0.12)/(29 - 15) | 0.0162857 |
| 0.128 (6/10/2020) | 0.12 (8/9/2016) | (0.128 - 0.12)/(30 - 15) | 0.000533333 |
| ND<0.1 U (9/21/2020) | 0.12 (8/9/2016) | (0.1 - 0.12)/(31 - 15) | -0.00125 |
| ND<0.1 U (12/17/2020) | 0.12 (8/9/2016) | (0.1 - 0.12)/(32 - 15) | -0.00117647 |
| ND<0.1 U (3/18/2021) | 0.12 (8/9/2016) | (0.1 - 0.12)/(33 - 15) | -0.00111111 |
| ND<0.1 U (5/5/2021) | 0.12 (8/9/2016) | (0.1 - 0.12)/(34 - 15) | -0.00105263 |
| 0.128 (9/2/2021) | 0.12 (8/9/2016) | (0.128 - 0.12)/(35 - 15) | 0.0004 |
| 0.178 (11/23/2021) | 0.12 (8/9/2016) | (0.178 - 0.12)/(36 - 15) | 0.0027619 |
| 0.136 (1/10/2022) | 0.12 (8/9/2016) | (0.136 - 0.12)/(37 - 15) | 0.000727273 |
| ND<0.1 U (4/7/2022) | 0.12 (8/9/2016) | (0.1 - 0.12)/(38 - 15) | -0.000869565 |

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|---|---|---|---|
| 0.123 (8/3/2022) | 0.12 (8/9/2016) | (0.123 - 0.12)/(39 - 15) | 0.000125 |
| ND<0.1 U (11/16/2022) | 0.12 (8/9/2016) | (0.1 - 0.12)/(40 - 15) | -0.0008 |
| ND<0.1 U (2/13/2023) | 0.12 (8/9/2016) | (0.1 - 0.12)/(41 - 15) | -0.000769231 |
| 0.102 (5/24/2023) | 0.12 (8/9/2016) | (0.102 - 0.12)/(42 - 15) | -0.000666667 |
| 0.124 (8/7/2023) | 0.12 (8/9/2016) | (0.124 - 0.12)/(43 - 15) | 0.000142857 |
| 0.089 (12/12/2023) | 0.12 (8/9/2016) | (0.089 - 0.12)/(44 - 15) | -0.00106897 |
| 0.117 (1/10/2024) | 0.12 (8/9/2016) | (0.117 - 0.12)/(45 - 15) | -0.0001 |
| 0.121 (5/20/2024) | 0.12 (8/9/2016) | (0.121 - 0.12)/(46 - 15) | 3.22581e-05 |
| 0.201 (9/16/2024) | 0.12 (8/9/2016) | (0.201 - 0.12)/(47 - 15) | 0.00253125 |
| 0.222 (12/11/2024) | 0.12 (8/9/2016) | (0.222 - 0.12)/(48 - 15) | 0.00309091 |
| 0.156 (2/18/2025) | 0.12 (8/9/2016) | (0.156 - 0.12)/(49 - 15) | 0.00105882 |
| | | | |
| 0.15 (3/2/2017) | 0.15 (12/7/2016) | (0.15 - 0.15)/(17 - 16) | 0 |
| 0.11 (6/21/2017) | 0.15 (12/7/2016) | (0.11 - 0.15)/(18 - 16) | -0.02 |
| ND<0.1 U (8/17/2017) | 0.15 (12/7/2016) | (0.1 - 0.15)/(19 - 16) | -0.0166667 |
| ND<0.1 U (10/26/2017) | 0.15 (12/7/2016) | (0.1 - 0.15)/(20 - 16) | -0.0125 |
| 0.148 (3/27/2018) | 0.15 (12/7/2016) | (0.148 - 0.15)/(21 - 16) | -0.0004 |
| 0.148 (6/26/2018) | 0.15 (12/7/2016) | (0.148 - 0.15)/(22 - 16) | -0.000333333 |
| 0.276 (8/1/2018) | 0.15 (12/7/2016) | (0.276 - 0.15)/(23 - 16) | 0.018 |
| 0.117 (12/11/2018) | 0.15 (12/7/2016) | (0.117 - 0.15)/(24 - 16) | -0.004125 |
| ND<0.1 U (4/17/2019) | 0.15 (12/7/2016) | (0.1 - 0.15)/(25 - 16) | -0.00555556 |
| ND<0.1 U (6/11/2019) | 0.15 (12/7/2016) | (0.1 - 0.15)/(26 - 16) | -0.005 |
| 0.174 (8/28/2019) | 0.15 (12/7/2016) | (0.174 - 0.15)/(27 - 16) | 0.00218182 |
| 0.167 (10/28/2019) | 0.15 (12/7/2016) | (0.167 - 0.15)/(28 - 16) | 0.00141667 |
| 0.348 (3/31/2020) | 0.15 (12/7/2016) | (0.348 - 0.15)/(29 - 16) | 0.0152308 |
| 0.128 (6/10/2020) | 0.15 (12/7/2016) | (0.128 - 0.15)/(30 - 16) | -0.00157143 |
| ND<0.1 U (9/21/2020) | 0.15 (12/7/2016) | (0.1 - 0.15)/(31 - 16) | -0.00333333 |
| ND<0.1 U (12/17/2020) | 0.15 (12/7/2016) | (0.1 - 0.15)/(32 - 16) | -0.003125 |
| ND<0.1 U (3/18/2021) | 0.15 (12/7/2016) | (0.1 - 0.15)/(33 - 16) | -0.00294118 |
| ND<0.1 U (5/5/2021) | 0.15 (12/7/2016) | (0.1 - 0.15)/(34 - 16) | -0.00277778 |
| 0.128 (9/2/2021) | 0.15 (12/7/2016) | (0.128 - 0.15)/(35 - 16) | -0.00115789 |
| 0.178 (11/23/2021) | 0.15 (12/7/2016) | (0.178 - 0.15)/(36 - 16) | 0.0014 |
| 0.136 (1/10/2022) | 0.15 (12/7/2016) | (0.136 - 0.15)/(37 - 16) | -0.000666667 |
| ND<0.1 U (4/7/2022) | 0.15 (12/7/2016) | (0.1 - 0.15)/(38 - 16) | -0.00227273 |
| 0.123 (8/3/2022) | 0.15 (12/7/2016) | (0.123 - 0.15)/(39 - 16) | -0.00117391 |
| ND<0.1 U (11/16/2022) | 0.15 (12/7/2016) | (0.1 - 0.15)/(40 - 16) | -0.00208333 |
| ND<0.1 U (2/13/2023) | 0.15 (12/7/2016) | (0.1 - 0.15)/(41 - 16) | -0.002 |
| 0.102 (5/24/2023) | 0.15 (12/7/2016) | (0.102 - 0.15)/(42 - 16) | -0.00184615 |
| 0.124 (8/7/2023) | 0.15 (12/7/2016) | (0.124 - 0.15)/(43 - 16) | -0.000962963 |
| 0.089 (12/12/2023) | 0.15 (12/7/2016) | (0.089 - 0.15)/(44 - 16) | -0.00217857 |
| 0.117 (1/10/2024) | 0.15 (12/7/2016) | (0.117 - 0.15)/(45 - 16) | -0.00113793 |
| 0.121 (5/20/2024) | 0.15 (12/7/2016) | (0.121 - 0.15)/(46 - 16) | -0.000966667 |
| 0.201 (9/16/2024) | 0.15 (12/7/2016) | (0.201 - 0.15)/(47 - 16) | 0.00164516 |
| 0.222 (12/11/2024) | 0.15 (12/7/2016) | (0.222 - 0.15)/(48 - 16) | 0.00225 |
| 0.156 (2/18/2025) | 0.15 (12/7/2016) | (0.156 - 0.15)/(49 - 16) | 0.000181818 |
| | | | |
| 0.11 (6/21/2017) | 0.15 (3/2/2017) | (0.11 - 0.15)/(18 - 17) | -0.04 |
| ND<0.1 U (8/17/2017) | 0.15 (3/2/2017) | (0.1 - 0.15)/(19 - 17) | -0.025 |
| ND<0.1 U (10/26/2017) | 0.15 (3/2/2017) | (0.1 - 0.15)/(20 - 17) | -0.0166667 |
| 0.148 (3/27/2018) | 0.15 (3/2/2017) | (0.148 - 0.15)/(21 - 17) | -0.0005 |
| 0.148 (6/26/2018) | 0.15 (3/2/2017) | (0.148 - 0.15)/(22 - 17) | -0.0004 |
| 0.276 (8/1/2018) | 0.15 (3/2/2017) | (0.276 - 0.15)/(23 - 17) | 0.021 |
| 0.117 (12/11/2018) | 0.15 (3/2/2017) | (0.117 - 0.15)/(24 - 17) | -0.00471429 |
| ND<0.1 U (4/17/2019) | 0.15 (3/2/2017) | (0.1 - 0.15)/(25 - 17) | -0.00625 |
| ND<0.1 U (6/11/2019) | 0.15 (3/2/2017) | (0.1 - 0.15)/(26 - 17) | -0.00555556 |
| 0.174 (8/28/2019) | 0.15 (3/2/2017) | (0.174 - 0.15)/(27 - 17) | 0.0024 |
| 0.167 (10/28/2019) | 0.15 (3/2/2017) | (0.167 - 0.15)/(28 - 17) | 0.00154545 |

| | | | |
|---|---|---|---|
| 0.348 (3/31/2020) | 0.15 (3/2/2017) | (0.348 - 0.15)/(29 - 17) | 0.0165 |
| 0.128 (6/10/2020) | 0.15 (3/2/2017) | (0.128 - 0.15)/(30 - 17) | -0.00169231 |
| ND<0.1 U (9/21/2020) | 0.15 (3/2/2017) | (0.1 - 0.15)/(31 - 17) | -0.00357143 |
| ND<0.1 U (12/17/2020) | 0.15 (3/2/2017) | (0.1 - 0.15)/(32 - 17) | -0.00333333 |
| ND<0.1 U (3/18/2021) | 0.15 (3/2/2017) | (0.1 - 0.15)/(33 - 17) | -0.003125 |
| ND<0.1 U (5/5/2021) | 0.15 (3/2/2017) | (0.1 - 0.15)/(34 - 17) | -0.00294118 |
| 0.128 (9/2/2021) | 0.15 (3/2/2017) | (0.128 - 0.15)/(35 - 17) | -0.00122222 |
| 0.178 (11/23/2021) | 0.15 (3/2/2017) | (0.178 - 0.15)/(36 - 17) | 0.00147368 |
| 0.136 (1/10/2022) | 0.15 (3/2/2017) | (0.136 - 0.15)/(37 - 17) | -0.0007 |
| ND<0.1 U (4/7/2022) | 0.15 (3/2/2017) | (0.1 - 0.15)/(38 - 17) | -0.00238095 |
| 0.123 (8/3/2022) | 0.15 (3/2/2017) | (0.123 - 0.15)/(39 - 17) | -0.00122727 |
| ND<0.1 U (11/16/2022) | 0.15 (3/2/2017) | (0.1 - 0.15)/(40 - 17) | -0.00217391 |
| ND<0.1 U (2/13/2023) | 0.15 (3/2/2017) | (0.1 - 0.15)/(41 - 17) | -0.00208333 |
| 0.102 (5/24/2023) | 0.15 (3/2/2017) | (0.102 - 0.15)/(42 - 17) | -0.00192 |
| 0.124 (8/7/2023) | 0.15 (3/2/2017) | (0.124 - 0.15)/(43 - 17) | -0.001 |
| 0.089 (12/12/2023) | 0.15 (3/2/2017) | (0.089 - 0.15)/(44 - 17) | -0.00225926 |
| 0.117 (1/10/2024) | 0.15 (3/2/2017) | (0.117 - 0.15)/(45 - 17) | -0.00117857 |
| 0.121 (5/20/2024) | 0.15 (3/2/2017) | (0.121 - 0.15)/(46 - 17) | -0.001 |
| 0.201 (9/16/2024) | 0.15 (3/2/2017) | (0.201 - 0.15)/(47 - 17) | 0.0017 |
| 0.222 (12/11/2024) | 0.15 (3/2/2017) | (0.222 - 0.15)/(48 - 17) | 0.00232258 |
| 0.156 (2/18/2025) | 0.15 (3/2/2017) | (0.156 - 0.15)/(49 - 17) | 0.0001875 |
| | | | |
| ND<0.1 U (8/17/2017) | 0.11 (6/21/2017) | (0.1 - 0.11)/(19 - 18) | -0.01 |
| ND<0.1 U (10/26/2017) | 0.11 (6/21/2017) | (0.1 - 0.11)/(20 - 18) | -0.005 |
| 0.148 (3/27/2018) | 0.11 (6/21/2017) | (0.148 - 0.11)/(21 - 18) | 0.0126667 |
| 0.148 (6/26/2018) | 0.11 (6/21/2017) | (0.148 - 0.11)/(22 - 18) | 0.0095 |
| 0.276 (8/1/2018) | 0.11 (6/21/2017) | (0.276 - 0.11)/(23 - 18) | 0.0332 |
| 0.117 (12/11/2018) | 0.11 (6/21/2017) | (0.117 - 0.11)/(24 - 18) | 0.00116667 |
| ND<0.1 U (4/17/2019) | 0.11 (6/21/2017) | (0.1 - 0.11)/(25 - 18) | -0.00142857 |
| ND<0.1 U (6/11/2019) | 0.11 (6/21/2017) | (0.1 - 0.11)/(26 - 18) | -0.00125 |
| 0.174 (8/28/2019) | 0.11 (6/21/2017) | (0.174 - 0.11)/(27 - 18) | 0.00711111 |
| 0.167 (10/28/2019) | 0.11 (6/21/2017) | (0.167 - 0.11)/(28 - 18) | 0.0057 |
| 0.348 (3/31/2020) | 0.11 (6/21/2017) | (0.348 - 0.11)/(29 - 18) | 0.0216364 |
| 0.128 (6/10/2020) | 0.11 (6/21/2017) | (0.128 - 0.11)/(30 - 18) | 0.0015 |
| ND<0.1 U (9/21/2020) | 0.11 (6/21/2017) | (0.1 - 0.11)/(31 - 18) | -0.000769231 |
| ND<0.1 U (12/17/2020) | 0.11 (6/21/2017) | (0.1 - 0.11)/(32 - 18) | -0.000714286 |
| ND<0.1 U (3/18/2021) | 0.11 (6/21/2017) | (0.1 - 0.11)/(33 - 18) | -0.000666667 |
| ND<0.1 U (5/5/2021) | 0.11 (6/21/2017) | (0.1 - 0.11)/(34 - 18) | -0.000625 |
| 0.128 (9/2/2021) | 0.11 (6/21/2017) | (0.128 - 0.11)/(35 - 18) | 0.00105882 |
| 0.178 (11/23/2021) | 0.11 (6/21/2017) | (0.178 - 0.11)/(36 - 18) | 0.00377778 |
| 0.136 (1/10/2022) | 0.11 (6/21/2017) | (0.136 - 0.11)/(37 - 18) | 0.00136842 |
| ND<0.1 U (4/7/2022) | 0.11 (6/21/2017) | (0.1 - 0.11)/(38 - 18) | -0.0005 |
| 0.123 (8/3/2022) | 0.11 (6/21/2017) | (0.123 - 0.11)/(39 - 18) | 0.000619048 |
| ND<0.1 U (11/16/2022) | 0.11 (6/21/2017) | (0.1 - 0.11)/(40 - 18) | -0.000454545 |
| ND<0.1 U (2/13/2023) | 0.11 (6/21/2017) | (0.1 - 0.11)/(41 - 18) | -0.000434783 |
| 0.102 (5/24/2023) | 0.11 (6/21/2017) | (0.102 - 0.11)/(42 - 18) | -0.000333333 |
| 0.124 (8/7/2023) | 0.11 (6/21/2017) | (0.124 - 0.11)/(43 - 18) | 0.00056 |
| 0.089 (12/12/2023) | 0.11 (6/21/2017) | (0.089 - 0.11)/(44 - 18) | -0.000807692 |
| 0.117 (1/10/2024) | 0.11 (6/21/2017) | (0.117 - 0.11)/(45 - 18) | 0.000259259 |
| 0.121 (5/20/2024) | 0.11 (6/21/2017) | (0.121 - 0.11)/(46 - 18) | 0.000392857 |
| 0.201 (9/16/2024) | 0.11 (6/21/2017) | (0.201 - 0.11)/(47 - 18) | 0.00313793 |
| 0.222 (12/11/2024) | 0.11 (6/21/2017) | (0.222 - 0.11)/(48 - 18) | 0.00373333 |
| 0.156 (2/18/2025) | 0.11 (6/21/2017) | (0.156 - 0.11)/(49 - 18) | 0.00148387 |
| | | | |
| ND<0.1 U (10/26/2017) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| 0.148 (3/27/2018) | ND<0.1 U (8/17/2017) | (0.148 - 0.1)/(21 - 19) | 0.024 |
| 0.148 (6/26/2018) | ND<0.1 U (8/17/2017) | (0.148 - 0.1)/(22 - 19) | 0.016 |

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|---|---|---|---|
| 0.276 (8/1/2018) | ND<0.1 U (8/17/2017) | (0.276 - 0.1)/(23 - 19) | 0.044 |
| 0.117 (12/11/2018) | ND<0.1 U (8/17/2017) | (0.117 - 0.1)/(24 - 19) | 0.0034 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (8/17/2017) | (0.174 - 0.1)/(27 - 19) | 0.00925 |
| 0.167 (10/28/2019) | ND<0.1 U (8/17/2017) | (0.167 - 0.1)/(28 - 19) | 0.00744444 |
| 0.348 (3/31/2020) | ND<0.1 U (8/17/2017) | (0.348 - 0.1)/(29 - 19) | 0.0248 |
| 0.128 (6/10/2020) | ND<0.1 U (8/17/2017) | (0.128 - 0.1)/(30 - 19) | 0.00254545 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(34 - 19) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (8/17/2017) | (0.128 - 0.1)/(35 - 19) | 0.00175 |
| 0.178 (11/23/2021) | ND<0.1 U (8/17/2017) | (0.178 - 0.1)/(36 - 19) | 0.00458824 |
| 0.136 (1/10/2022) | ND<0.1 U (8/17/2017) | (0.136 - 0.1)/(37 - 19) | 0.002 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(38 - 19) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (8/17/2017) | (0.123 - 0.1)/(39 - 19) | 0.00115 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/17/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (8/17/2017) | (0.102 - 0.1)/(42 - 19) | 8.69565e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (8/17/2017) | (0.124 - 0.1)/(43 - 19) | 0.001 |
| 0.089 (12/12/2023) | ND<0.1 U (8/17/2017) | (0.089 - 0.1)/(44 - 19) | -0.00044 |
| 0.117 (1/10/2024) | ND<0.1 U (8/17/2017) | (0.117 - 0.1)/(45 - 19) | 0.000653846 |
| 0.121 (5/20/2024) | ND<0.1 U (8/17/2017) | (0.121 - 0.1)/(46 - 19) | 0.000777778 |
| 0.201 (9/16/2024) | ND<0.1 U (8/17/2017) | (0.201 - 0.1)/(47 - 19) | 0.00360714 |
| 0.222 (12/11/2024) | ND<0.1 U (8/17/2017) | (0.222 - 0.1)/(48 - 19) | 0.0042069 |
| 0.156 (2/18/2025) | ND<0.1 U (8/17/2017) | (0.156 - 0.1)/(49 - 19) | 0.00186667 |
| | | | |
| 0.148 (3/27/2018) | ND<0.1 U (10/26/2017) | (0.148 - 0.1)/(21 - 20) | 0.048 |
| 0.148 (6/26/2018) | ND<0.1 U (10/26/2017) | (0.148 - 0.1)/(22 - 20) | 0.024 |
| 0.276 (8/1/2018) | ND<0.1 U (10/26/2017) | (0.276 - 0.1)/(23 - 20) | 0.0586667 |
| 0.117 (12/11/2018) | ND<0.1 U (10/26/2017) | (0.117 - 0.1)/(24 - 20) | 0.00425 |
| ND<0.1 U (4/17/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| ND<0.1 U (6/11/2019) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (10/26/2017) | (0.174 - 0.1)/(27 - 20) | 0.0105714 |
| 0.167 (10/28/2019) | ND<0.1 U (10/26/2017) | (0.167 - 0.1)/(28 - 20) | 0.008375 |
| 0.348 (3/31/2020) | ND<0.1 U (10/26/2017) | (0.348 - 0.1)/(29 - 20) | 0.0275556 |
| 0.128 (6/10/2020) | ND<0.1 U (10/26/2017) | (0.128 - 0.1)/(30 - 20) | 0.0028 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(33 - 20) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(34 - 20) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (10/26/2017) | (0.128 - 0.1)/(35 - 20) | 0.00186667 |
| 0.178 (11/23/2021) | ND<0.1 U (10/26/2017) | (0.178 - 0.1)/(36 - 20) | 0.004875 |
| 0.136 (1/10/2022) | ND<0.1 U (10/26/2017) | (0.136 - 0.1)/(37 - 20) | 0.00211765 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(38 - 20) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (10/26/2017) | (0.123 - 0.1)/(39 - 20) | 0.00121053 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (10/26/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (10/26/2017) | (0.102 - 0.1)/(42 - 20) | 9.09091e-05 |
| 0.124 (8/7/2023) | ND<0.1 U (10/26/2017) | (0.124 - 0.1)/(43 - 20) | 0.00104348 |
| 0.089 (12/12/2023) | ND<0.1 U (10/26/2017) | (0.089 - 0.1)/(44 - 20) | -0.000458333 |
| 0.117 (1/10/2024) | ND<0.1 U (10/26/2017) | (0.117 - 0.1)/(45 - 20) | 0.00068 |
| 0.121 (5/20/2024) | ND<0.1 U (10/26/2017) | (0.121 - 0.1)/(46 - 20) | 0.000807692 |
| 0.201 (9/16/2024) | ND<0.1 U (10/26/2017) | (0.201 - 0.1)/(47 - 20) | 0.00374074 |
| 0.222 (12/11/2024) | ND<0.1 U (10/26/2017) | (0.222 - 0.1)/(48 - 20) | 0.00435714 |
| 0.156 (2/18/2025) | ND<0.1 U (10/26/2017) | (0.156 - 0.1)/(49 - 20) | 0.00193103 |

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|---|---|---|---|
| 0.148 (6/26/2018) | 0.148 (3/27/2018) | (0.148 - 0.148)/(22 - 21) | 0 |
| 0.276 (8/1/2018) | 0.148 (3/27/2018) | (0.276 - 0.148)/(23 - 21) | 0.064 |
| 0.117 (12/11/2018) | 0.148 (3/27/2018) | (0.117 - 0.148)/(24 - 21) | -0.0103333 |
| ND<0.1 U (4/17/2019) | 0.148 (3/27/2018) | (0.1 - 0.148)/(25 - 21) | -0.012 |
| ND<0.1 U (6/11/2019) | 0.148 (3/27/2018) | (0.1 - 0.148)/(26 - 21) | -0.0096 |
| 0.174 (8/28/2019) | 0.148 (3/27/2018) | (0.174 - 0.148)/(27 - 21) | 0.00433333 |
| 0.167 (10/28/2019) | 0.148 (3/27/2018) | (0.167 - 0.148)/(28 - 21) | 0.00271429 |
| 0.348 (3/31/2020) | 0.148 (3/27/2018) | (0.348 - 0.148)/(29 - 21) | 0.025 |
| 0.128 (6/10/2020) | 0.148 (3/27/2018) | (0.128 - 0.148)/(30 - 21) | -0.00222222 |
| ND<0.1 U (9/21/2020) | 0.148 (3/27/2018) | (0.1 - 0.148)/(31 - 21) | -0.0048 |
| ND<0.1 U (12/17/2020) | 0.148 (3/27/2018) | (0.1 - 0.148)/(32 - 21) | -0.00436364 |
| ND<0.1 U (3/18/2021) | 0.148 (3/27/2018) | (0.1 - 0.148)/(33 - 21) | -0.004 |
| ND<0.1 U (5/5/2021) | 0.148 (3/27/2018) | (0.1 - 0.148)/(34 - 21) | -0.00369231 |
| 0.128 (9/2/2021) | 0.148 (3/27/2018) | (0.128 - 0.148)/(35 - 21) | -0.00142857 |
| 0.178 (11/23/2021) | 0.148 (3/27/2018) | (0.178 - 0.148)/(36 - 21) | 0.002 |
| 0.136 (1/10/2022) | 0.148 (3/27/2018) | (0.136 - 0.148)/(37 - 21) | -0.00075 |
| ND<0.1 U (4/7/2022) | 0.148 (3/27/2018) | (0.1 - 0.148)/(38 - 21) | -0.00282353 |
| 0.123 (8/3/2022) | 0.148 (3/27/2018) | (0.123 - 0.148)/(39 - 21) | -0.00138889 |
| ND<0.1 U (11/16/2022) | 0.148 (3/27/2018) | (0.1 - 0.148)/(40 - 21) | -0.00252632 |
| ND<0.1 U (2/13/2023) | 0.148 (3/27/2018) | (0.1 - 0.148)/(41 - 21) | -0.0024 |
| 0.102 (5/24/2023) | 0.148 (3/27/2018) | (0.102 - 0.148)/(42 - 21) | -0.00219048 |
| 0.124 (8/7/2023) | 0.148 (3/27/2018) | (0.124 - 0.148)/(43 - 21) | -0.00109091 |
| 0.089 (12/12/2023) | 0.148 (3/27/2018) | (0.089 - 0.148)/(44 - 21) | -0.00256522 |
| 0.117 (1/10/2024) | 0.148 (3/27/2018) | (0.117 - 0.148)/(45 - 21) | -0.00129167 |
| 0.121 (5/20/2024) | 0.148 (3/27/2018) | (0.121 - 0.148)/(46 - 21) | -0.00108 |
| 0.201 (9/16/2024) | 0.148 (3/27/2018) | (0.201 - 0.148)/(47 - 21) | 0.00203846 |
| 0.222 (12/11/2024) | 0.148 (3/27/2018) | (0.222 - 0.148)/(48 - 21) | 0.00274074 |
| 0.156 (2/18/2025) | 0.148 (3/27/2018) | (0.156 - 0.148)/(49 - 21) | 0.000285714 |
| | | | |
| 0.276 (8/1/2018) | 0.148 (6/26/2018) | (0.276 - 0.148)/(23 - 22) | 0.128 |
| 0.117 (12/11/2018) | 0.148 (6/26/2018) | (0.117 - 0.148)/(24 - 22) | -0.0155 |
| ND<0.1 U (4/17/2019) | 0.148 (6/26/2018) | (0.1 - 0.148)/(25 - 22) | -0.016 |
| ND<0.1 U (6/11/2019) | 0.148 (6/26/2018) | (0.1 - 0.148)/(26 - 22) | -0.012 |
| 0.174 (8/28/2019) | 0.148 (6/26/2018) | (0.174 - 0.148)/(27 - 22) | 0.0052 |
| 0.167 (10/28/2019) | 0.148 (6/26/2018) | (0.167 - 0.148)/(28 - 22) | 0.00316667 |
| 0.348 (3/31/2020) | 0.148 (6/26/2018) | (0.348 - 0.148)/(29 - 22) | 0.0285714 |
| 0.128 (6/10/2020) | 0.148 (6/26/2018) | (0.128 - 0.148)/(30 - 22) | -0.0025 |
| ND<0.1 U (9/21/2020) | 0.148 (6/26/2018) | (0.1 - 0.148)/(31 - 22) | -0.00533333 |
| ND<0.1 U (12/17/2020) | 0.148 (6/26/2018) | (0.1 - 0.148)/(32 - 22) | -0.0048 |
| ND<0.1 U (3/18/2021) | 0.148 (6/26/2018) | (0.1 - 0.148)/(33 - 22) | -0.00436364 |
| ND<0.1 U (5/5/2021) | 0.148 (6/26/2018) | (0.1 - 0.148)/(34 - 22) | -0.004 |
| 0.128 (9/2/2021) | 0.148 (6/26/2018) | (0.128 - 0.148)/(35 - 22) | -0.00153846 |
| 0.178 (11/23/2021) | 0.148 (6/26/2018) | (0.178 - 0.148)/(36 - 22) | 0.00214286 |
| 0.136 (1/10/2022) | 0.148 (6/26/2018) | (0.136 - 0.148)/(37 - 22) | -0.0008 |
| ND<0.1 U (4/7/2022) | 0.148 (6/26/2018) | (0.1 - 0.148)/(38 - 22) | -0.003 |
| 0.123 (8/3/2022) | 0.148 (6/26/2018) | (0.123 - 0.148)/(39 - 22) | -0.00147059 |
| ND<0.1 U (11/16/2022) | 0.148 (6/26/2018) | (0.1 - 0.148)/(40 - 22) | -0.00266667 |
| ND<0.1 U (2/13/2023) | 0.148 (6/26/2018) | (0.1 - 0.148)/(41 - 22) | -0.00252632 |
| 0.102 (5/24/2023) | 0.148 (6/26/2018) | (0.102 - 0.148)/(42 - 22) | -0.0023 |
| 0.124 (8/7/2023) | 0.148 (6/26/2018) | (0.124 - 0.148)/(43 - 22) | -0.00114286 |
| 0.089 (12/12/2023) | 0.148 (6/26/2018) | (0.089 - 0.148)/(44 - 22) | -0.00268182 |
| 0.117 (1/10/2024) | 0.148 (6/26/2018) | (0.117 - 0.148)/(45 - 22) | -0.00134783 |
| 0.121 (5/20/2024) | 0.148 (6/26/2018) | (0.121 - 0.148)/(46 - 22) | -0.001125 |
| 0.201 (9/16/2024) | 0.148 (6/26/2018) | (0.201 - 0.148)/(47 - 22) | 0.00212 |
| 0.222 (12/11/2024) | 0.148 (6/26/2018) | (0.222 - 0.148)/(48 - 22) | 0.00284615 |
| 0.156 (2/18/2025) | 0.148 (6/26/2018) | (0.156 - 0.148)/(49 - 22) | 0.000296296 |

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|---|---|---|---|
| 0.117 (12/11/2018) | 0.276 (8/1/2018) | (0.117 - 0.276)/(24 - 23) | -0.159 |
| ND<0.1 U (4/17/2019) | 0.276 (8/1/2018) | (0.1 - 0.276)/(25 - 23) | -0.088 |
| ND<0.1 U (6/11/2019) | 0.276 (8/1/2018) | (0.1 - 0.276)/(26 - 23) | -0.0586667 |
| 0.174 (8/28/2019) | 0.276 (8/1/2018) | (0.174 - 0.276)/(27 - 23) | -0.0255 |
| 0.167 (10/28/2019) | 0.276 (8/1/2018) | (0.167 - 0.276)/(28 - 23) | -0.0218 |
| 0.348 (3/31/2020) | 0.276 (8/1/2018) | (0.348 - 0.276)/(29 - 23) | 0.012 |
| 0.128 (6/10/2020) | 0.276 (8/1/2018) | (0.128 - 0.276)/(30 - 23) | -0.0211429 |
| ND<0.1 U (9/21/2020) | 0.276 (8/1/2018) | (0.1 - 0.276)/(31 - 23) | -0.022 |
| ND<0.1 U (12/17/2020) | 0.276 (8/1/2018) | (0.1 - 0.276)/(32 - 23) | -0.0195556 |
| ND<0.1 U (3/18/2021) | 0.276 (8/1/2018) | (0.1 - 0.276)/(33 - 23) | -0.0176 |
| ND<0.1 U (5/5/2021) | 0.276 (8/1/2018) | (0.1 - 0.276)/(34 - 23) | -0.016 |
| 0.128 (9/2/2021) | 0.276 (8/1/2018) | (0.128 - 0.276)/(35 - 23) | -0.0123333 |
| 0.178 (11/23/2021) | 0.276 (8/1/2018) | (0.178 - 0.276)/(36 - 23) | -0.00753846 |
| 0.136 (1/10/2022) | 0.276 (8/1/2018) | (0.136 - 0.276)/(37 - 23) | -0.01 |
| ND<0.1 U (4/7/2022) | 0.276 (8/1/2018) | (0.1 - 0.276)/(38 - 23) | -0.0117333 |
| 0.123 (8/3/2022) | 0.276 (8/1/2018) | (0.123 - 0.276)/(39 - 23) | -0.0095625 |
| ND<0.1 U (11/16/2022) | 0.276 (8/1/2018) | (0.1 - 0.276)/(40 - 23) | -0.0103529 |
| ND<0.1 U (2/13/2023) | 0.276 (8/1/2018) | (0.1 - 0.276)/(41 - 23) | -0.00977778 |
| 0.102 (5/24/2023) | 0.276 (8/1/2018) | (0.102 - 0.276)/(42 - 23) | -0.00915789 |
| 0.124 (8/7/2023) | 0.276 (8/1/2018) | (0.124 - 0.276)/(43 - 23) | -0.0076 |
| 0.089 (12/12/2023) | 0.276 (8/1/2018) | (0.089 - 0.276)/(44 - 23) | -0.00890476 |
| 0.117 (1/10/2024) | 0.276 (8/1/2018) | (0.117 - 0.276)/(45 - 23) | -0.00722727 |
| 0.121 (5/20/2024) | 0.276 (8/1/2018) | (0.121 - 0.276)/(46 - 23) | -0.00673913 |
| 0.201 (9/16/2024) | 0.276 (8/1/2018) | (0.201 - 0.276)/(47 - 23) | -0.003125 |
| 0.222 (12/11/2024) | 0.276 (8/1/2018) | (0.222 - 0.276)/(48 - 23) | -0.00216 |
| 0.156 (2/18/2025) | 0.276 (8/1/2018) | (0.156 - 0.276)/(49 - 23) | -0.00461538 |
| | | | |
| ND<0.1 U (4/17/2019) | 0.117 (12/11/2018) | (0.1 - 0.117)/(25 - 24) | -0.017 |
| ND<0.1 U (6/11/2019) | 0.117 (12/11/2018) | (0.1 - 0.117)/(26 - 24) | -0.0085 |
| 0.174 (8/28/2019) | 0.117 (12/11/2018) | (0.174 - 0.117)/(27 - 24) | 0.019 |
| 0.167 (10/28/2019) | 0.117 (12/11/2018) | (0.167 - 0.117)/(28 - 24) | 0.0125 |
| 0.348 (3/31/2020) | 0.117 (12/11/2018) | (0.348 - 0.117)/(29 - 24) | 0.0462 |
| 0.128 (6/10/2020) | 0.117 (12/11/2018) | (0.128 - 0.117)/(30 - 24) | 0.00183333 |
| ND<0.1 U (9/21/2020) | 0.117 (12/11/2018) | (0.1 - 0.117)/(31 - 24) | -0.00242857 |
| ND<0.1 U (12/17/2020) | 0.117 (12/11/2018) | (0.1 - 0.117)/(32 - 24) | -0.002125 |
| ND<0.1 U (3/18/2021) | 0.117 (12/11/2018) | (0.1 - 0.117)/(33 - 24) | -0.00188889 |
| ND<0.1 U (5/5/2021) | 0.117 (12/11/2018) | (0.1 - 0.117)/(34 - 24) | -0.0017 |
| 0.128 (9/2/2021) | 0.117 (12/11/2018) | (0.128 - 0.117)/(35 - 24) | 0.001 |
| 0.178 (11/23/2021) | 0.117 (12/11/2018) | (0.178 - 0.117)/(36 - 24) | 0.00508333 |
| 0.136 (1/10/2022) | 0.117 (12/11/2018) | (0.136 - 0.117)/(37 - 24) | 0.00146154 |
| ND<0.1 U (4/7/2022) | 0.117 (12/11/2018) | (0.1 - 0.117)/(38 - 24) | -0.00121429 |
| 0.123 (8/3/2022) | 0.117 (12/11/2018) | (0.123 - 0.117)/(39 - 24) | 0.0004 |
| ND<0.1 U (11/16/2022) | 0.117 (12/11/2018) | (0.1 - 0.117)/(40 - 24) | -0.0010625 |
| ND<0.1 U (2/13/2023) | 0.117 (12/11/2018) | (0.1 - 0.117)/(41 - 24) | -0.001 |
| 0.102 (5/24/2023) | 0.117 (12/11/2018) | (0.102 - 0.117)/(42 - 24) | -0.000833333 |
| 0.124 (8/7/2023) | 0.117 (12/11/2018) | (0.124 - 0.117)/(43 - 24) | 0.000368421 |
| 0.089 (12/12/2023) | 0.117 (12/11/2018) | (0.089 - 0.117)/(44 - 24) | -0.0014 |
| 0.117 (1/10/2024) | 0.117 (12/11/2018) | (0.117 - 0.117)/(45 - 24) | 0 |
| 0.121 (5/20/2024) | 0.117 (12/11/2018) | (0.121 - 0.117)/(46 - 24) | 0.000181818 |
| 0.201 (9/16/2024) | 0.117 (12/11/2018) | (0.201 - 0.117)/(47 - 24) | 0.00365217 |
| 0.222 (12/11/2024) | 0.117 (12/11/2018) | (0.222 - 0.117)/(48 - 24) | 0.004375 |
| 0.156 (2/18/2025) | 0.117 (12/11/2018) | (0.156 - 0.117)/(49 - 24) | 0.00156 |
| | | | |
| ND<0.1 U (6/11/2019) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| 0.174 (8/28/2019) | ND<0.1 U (4/17/2019) | (0.174 - 0.1)/(27 - 25) | 0.037 |
| 0.167 (10/28/2019) | ND<0.1 U (4/17/2019) | (0.167 - 0.1)/(28 - 25) | 0.0223333 |

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|---|---|---|---|
| 0.348 (3/31/2020) | ND<0.1 U (4/17/2019) | (0.348 - 0.1)/(29 - 25) | 0.062 |
| 0.128 (6/10/2020) | ND<0.1 U (4/17/2019) | (0.128 - 0.1)/(30 - 25) | 0.0056 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (4/17/2019) | (0.128 - 0.1)/(35 - 25) | 0.0028 |
| 0.178 (11/23/2021) | ND<0.1 U (4/17/2019) | (0.178 - 0.1)/(36 - 25) | 0.00709091 |
| 0.136 (1/10/2022) | ND<0.1 U (4/17/2019) | (0.136 - 0.1)/(37 - 25) | 0.003 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(38 - 25) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (4/17/2019) | (0.123 - 0.1)/(39 - 25) | 0.00164286 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/17/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (4/17/2019) | (0.102 - 0.1)/(42 - 25) | 0.000117647 |
| 0.124 (8/7/2023) | ND<0.1 U (4/17/2019) | (0.124 - 0.1)/(43 - 25) | 0.00133333 |
| 0.089 (12/12/2023) | ND<0.1 U (4/17/2019) | (0.089 - 0.1)/(44 - 25) | -0.000578947 |
| 0.117 (1/10/2024) | ND<0.1 U (4/17/2019) | (0.117 - 0.1)/(45 - 25) | 0.00085 |
| 0.121 (5/20/2024) | ND<0.1 U (4/17/2019) | (0.121 - 0.1)/(46 - 25) | 0.001 |
| 0.201 (9/16/2024) | ND<0.1 U (4/17/2019) | (0.201 - 0.1)/(47 - 25) | 0.00459091 |
| 0.222 (12/11/2024) | ND<0.1 U (4/17/2019) | (0.222 - 0.1)/(48 - 25) | 0.00530435 |
| 0.156 (2/18/2025) | ND<0.1 U (4/17/2019) | (0.156 - 0.1)/(49 - 25) | 0.00233333 |
| | | | |
| 0.174 (8/28/2019) | ND<0.1 U (6/11/2019) | (0.174 - 0.1)/(27 - 26) | 0.074 |
| 0.167 (10/28/2019) | ND<0.1 U (6/11/2019) | (0.167 - 0.1)/(28 - 26) | 0.0335 |
| 0.348 (3/31/2020) | ND<0.1 U (6/11/2019) | (0.348 - 0.1)/(29 - 26) | 0.0826667 |
| 0.128 (6/10/2020) | ND<0.1 U (6/11/2019) | (0.128 - 0.1)/(30 - 26) | 0.007 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (6/11/2019) | (0.128 - 0.1)/(35 - 26) | 0.00311111 |
| 0.178 (11/23/2021) | ND<0.1 U (6/11/2019) | (0.178 - 0.1)/(36 - 26) | 0.0078 |
| 0.136 (1/10/2022) | ND<0.1 U (6/11/2019) | (0.136 - 0.1)/(37 - 26) | 0.00327273 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(38 - 26) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (6/11/2019) | (0.123 - 0.1)/(39 - 26) | 0.00176923 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (6/11/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (6/11/2019) | (0.102 - 0.1)/(42 - 26) | 0.000125 |
| 0.124 (8/7/2023) | ND<0.1 U (6/11/2019) | (0.124 - 0.1)/(43 - 26) | 0.00141176 |
| 0.089 (12/12/2023) | ND<0.1 U (6/11/2019) | (0.089 - 0.1)/(44 - 26) | -0.000611111 |
| 0.117 (1/10/2024) | ND<0.1 U (6/11/2019) | (0.117 - 0.1)/(45 - 26) | 0.000894737 |
| 0.121 (5/20/2024) | ND<0.1 U (6/11/2019) | (0.121 - 0.1)/(46 - 26) | 0.00105 |
| 0.201 (9/16/2024) | ND<0.1 U (6/11/2019) | (0.201 - 0.1)/(47 - 26) | 0.00480952 |
| 0.222 (12/11/2024) | ND<0.1 U (6/11/2019) | (0.222 - 0.1)/(48 - 26) | 0.00554545 |
| 0.156 (2/18/2025) | ND<0.1 U (6/11/2019) | (0.156 - 0.1)/(49 - 26) | 0.00243478 |
| | | | |
| 0.167 (10/28/2019) | 0.174 (8/28/2019) | (0.167 - 0.174)/(28 - 27) | -0.007 |
| 0.348 (3/31/2020) | 0.174 (8/28/2019) | (0.348 - 0.174)/(29 - 27) | 0.087 |
| 0.128 (6/10/2020) | 0.174 (8/28/2019) | (0.128 - 0.174)/(30 - 27) | -0.0153333 |
| ND<0.1 U (9/21/2020) | 0.174 (8/28/2019) | (0.1 - 0.174)/(31 - 27) | -0.0185 |
| ND<0.1 U (12/17/2020) | 0.174 (8/28/2019) | (0.1 - 0.174)/(32 - 27) | -0.0148 |
| ND<0.1 U (3/18/2021) | 0.174 (8/28/2019) | (0.1 - 0.174)/(33 - 27) | -0.0123333 |
| ND<0.1 U (5/5/2021) | 0.174 (8/28/2019) | (0.1 - 0.174)/(34 - 27) | -0.0105714 |
| 0.128 (9/2/2021) | 0.174 (8/28/2019) | (0.128 - 0.174)/(35 - 27) | -0.00575 |
| 0.178 (11/23/2021) | 0.174 (8/28/2019) | (0.178 - 0.174)/(36 - 27) | 0.000444444 |
| 0.136 (1/10/2022) | 0.174 (8/28/2019) | (0.136 - 0.174)/(37 - 27) | -0.0038 |
| ND<0.1 U (4/7/2022) | 0.174 (8/28/2019) | (0.1 - 0.174)/(38 - 27) | -0.00672727 |

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|---|---|---|---|
| 0.123 (8/3/2022) | 0.174 (8/28/2019) | (0.123 - 0.174)/(39 - 27) | -0.00425 |
| ND<0.1 U (11/16/2022) | 0.174 (8/28/2019) | (0.1 - 0.174)/(40 - 27) | -0.00569231 |
| ND<0.1 U (2/13/2023) | 0.174 (8/28/2019) | (0.1 - 0.174)/(41 - 27) | -0.00528571 |
| 0.102 (5/24/2023) | 0.174 (8/28/2019) | (0.102 - 0.174)/(42 - 27) | -0.0048 |
| 0.124 (8/7/2023) | 0.174 (8/28/2019) | (0.124 - 0.174)/(43 - 27) | -0.003125 |
| 0.089 (12/12/2023) | 0.174 (8/28/2019) | (0.089 - 0.174)/(44 - 27) | -0.005 |
| 0.117 (1/10/2024) | 0.174 (8/28/2019) | (0.117 - 0.174)/(45 - 27) | -0.00316667 |
| 0.121 (5/20/2024) | 0.174 (8/28/2019) | (0.121 - 0.174)/(46 - 27) | -0.00278947 |
| 0.201 (9/16/2024) | 0.174 (8/28/2019) | (0.201 - 0.174)/(47 - 27) | 0.00135 |
| 0.222 (12/11/2024) | 0.174 (8/28/2019) | (0.222 - 0.174)/(48 - 27) | 0.00228571 |
| 0.156 (2/18/2025) | 0.174 (8/28/2019) | (0.156 - 0.174)/(49 - 27) | -0.000818182 |
| | | | |
| 0.348 (3/31/2020) | 0.167 (10/28/2019) | (0.348 - 0.167)/(29 - 28) | 0.181 |
| 0.128 (6/10/2020) | 0.167 (10/28/2019) | (0.128 - 0.167)/(30 - 28) | -0.0195 |
| ND<0.1 U (9/21/2020) | 0.167 (10/28/2019) | (0.1 - 0.167)/(31 - 28) | -0.0223333 |
| ND<0.1 U (12/17/2020) | 0.167 (10/28/2019) | (0.1 - 0.167)/(32 - 28) | -0.01675 |
| ND<0.1 U (3/18/2021) | 0.167 (10/28/2019) | (0.1 - 0.167)/(33 - 28) | -0.0134 |
| ND<0.1 U (5/5/2021) | 0.167 (10/28/2019) | (0.1 - 0.167)/(34 - 28) | -0.0111667 |
| 0.128 (9/2/2021) | 0.167 (10/28/2019) | (0.128 - 0.167)/(35 - 28) | -0.00557143 |
| 0.178 (11/23/2021) | 0.167 (10/28/2019) | (0.178 - 0.167)/(36 - 28) | 0.001375 |
| 0.136 (1/10/2022) | 0.167 (10/28/2019) | (0.136 - 0.167)/(37 - 28) | -0.00344444 |
| ND<0.1 U (4/7/2022) | 0.167 (10/28/2019) | (0.1 - 0.167)/(38 - 28) | -0.0067 |
| 0.123 (8/3/2022) | 0.167 (10/28/2019) | (0.123 - 0.167)/(39 - 28) | -0.004 |
| ND<0.1 U (11/16/2022) | 0.167 (10/28/2019) | (0.1 - 0.167)/(40 - 28) | -0.00558333 |
| ND<0.1 U (2/13/2023) | 0.167 (10/28/2019) | (0.1 - 0.167)/(41 - 28) | -0.00515385 |
| 0.102 (5/24/2023) | 0.167 (10/28/2019) | (0.102 - 0.167)/(42 - 28) | -0.00464286 |
| 0.124 (8/7/2023) | 0.167 (10/28/2019) | (0.124 - 0.167)/(43 - 28) | -0.00286667 |
| 0.089 (12/12/2023) | 0.167 (10/28/2019) | (0.089 - 0.167)/(44 - 28) | -0.004875 |
| 0.117 (1/10/2024) | 0.167 (10/28/2019) | (0.117 - 0.167)/(45 - 28) | -0.00294118 |
| 0.121 (5/20/2024) | 0.167 (10/28/2019) | (0.121 - 0.167)/(46 - 28) | -0.00255556 |
| 0.201 (9/16/2024) | 0.167 (10/28/2019) | (0.201 - 0.167)/(47 - 28) | 0.00178947 |
| 0.222 (12/11/2024) | 0.167 (10/28/2019) | (0.222 - 0.167)/(48 - 28) | 0.00275 |
| 0.156 (2/18/2025) | 0.167 (10/28/2019) | (0.156 - 0.167)/(49 - 28) | -0.00052381 |
| | | | |
| 0.128 (6/10/2020) | 0.348 (3/31/2020) | (0.128 - 0.348)/(30 - 29) | -0.22 |
| ND<0.1 U (9/21/2020) | 0.348 (3/31/2020) | (0.1 - 0.348)/(31 - 29) | -0.124 |
| ND<0.1 U (12/17/2020) | 0.348 (3/31/2020) | (0.1 - 0.348)/(32 - 29) | -0.0826667 |
| ND<0.1 U (3/18/2021) | 0.348 (3/31/2020) | (0.1 - 0.348)/(33 - 29) | -0.062 |
| ND<0.1 U (5/5/2021) | 0.348 (3/31/2020) | (0.1 - 0.348)/(34 - 29) | -0.0496 |
| 0.128 (9/2/2021) | 0.348 (3/31/2020) | (0.128 - 0.348)/(35 - 29) | -0.0366667 |
| 0.178 (11/23/2021) | 0.348 (3/31/2020) | (0.178 - 0.348)/(36 - 29) | -0.0242857 |
| 0.136 (1/10/2022) | 0.348 (3/31/2020) | (0.136 - 0.348)/(37 - 29) | -0.0265 |
| ND<0.1 U (4/7/2022) | 0.348 (3/31/2020) | (0.1 - 0.348)/(38 - 29) | -0.0275556 |
| 0.123 (8/3/2022) | 0.348 (3/31/2020) | (0.123 - 0.348)/(39 - 29) | -0.0225 |
| ND<0.1 U (11/16/2022) | 0.348 (3/31/2020) | (0.1 - 0.348)/(40 - 29) | -0.0225455 |
| ND<0.1 U (2/13/2023) | 0.348 (3/31/2020) | (0.1 - 0.348)/(41 - 29) | -0.0206667 |
| 0.102 (5/24/2023) | 0.348 (3/31/2020) | (0.102 - 0.348)/(42 - 29) | -0.0189231 |
| 0.124 (8/7/2023) | 0.348 (3/31/2020) | (0.124 - 0.348)/(43 - 29) | -0.016 |
| 0.089 (12/12/2023) | 0.348 (3/31/2020) | (0.089 - 0.348)/(44 - 29) | -0.0172667 |
| 0.117 (1/10/2024) | 0.348 (3/31/2020) | (0.117 - 0.348)/(45 - 29) | -0.0144375 |
| 0.121 (5/20/2024) | 0.348 (3/31/2020) | (0.121 - 0.348)/(46 - 29) | -0.0133529 |
| 0.201 (9/16/2024) | 0.348 (3/31/2020) | (0.201 - 0.348)/(47 - 29) | -0.00816667 |
| 0.222 (12/11/2024) | 0.348 (3/31/2020) | (0.222 - 0.348)/(48 - 29) | -0.00663158 |
| 0.156 (2/18/2025) | 0.348 (3/31/2020) | (0.156 - 0.348)/(49 - 29) | -0.0096 |
| | | | |
| ND<0.1 U (9/21/2020) | 0.128 (6/10/2020) | (0.1 - 0.128)/(31 - 30) | -0.028 |
| ND<0.1 U (12/17/2020) | 0.128 (6/10/2020) | (0.1 - 0.128)/(32 - 30) | -0.014 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | 0.128 (6/10/2020) | (0.1 - 0.128)/(33 - 30) | -0.00933333 |
| ND<0.1 U (5/5/2021) | 0.128 (6/10/2020) | (0.1 - 0.128)/(34 - 30) | -0.007 |
| 0.128 (9/2/2021) | 0.128 (6/10/2020) | (0.128 - 0.128)/(35 - 30) | 0 |
| 0.178 (11/23/2021) | 0.128 (6/10/2020) | (0.178 - 0.128)/(36 - 30) | 0.00833333 |
| 0.136 (1/10/2022) | 0.128 (6/10/2020) | (0.136 - 0.128)/(37 - 30) | 0.00114286 |
| ND<0.1 U (4/7/2022) | 0.128 (6/10/2020) | (0.1 - 0.128)/(38 - 30) | -0.0035 |
| 0.123 (8/3/2022) | 0.128 (6/10/2020) | (0.123 - 0.128)/(39 - 30) | -0.000555556 |
| ND<0.1 U (11/16/2022) | 0.128 (6/10/2020) | (0.1 - 0.128)/(40 - 30) | -0.0028 |
| ND<0.1 U (2/13/2023) | 0.128 (6/10/2020) | (0.1 - 0.128)/(41 - 30) | -0.00254545 |
| 0.102 (5/24/2023) | 0.128 (6/10/2020) | (0.102 - 0.128)/(42 - 30) | -0.00216667 |
| 0.124 (8/7/2023) | 0.128 (6/10/2020) | (0.124 - 0.128)/(43 - 30) | -0.000307692 |
| 0.089 (12/12/2023) | 0.128 (6/10/2020) | (0.089 - 0.128)/(44 - 30) | -0.00278571 |
| 0.117 (1/10/2024) | 0.128 (6/10/2020) | (0.117 - 0.128)/(45 - 30) | -0.000733333 |
| 0.121 (5/20/2024) | 0.128 (6/10/2020) | (0.121 - 0.128)/(46 - 30) | -0.0004375 |
| 0.201 (9/16/2024) | 0.128 (6/10/2020) | (0.201 - 0.128)/(47 - 30) | 0.00429412 |
| 0.222 (12/11/2024) | 0.128 (6/10/2020) | (0.222 - 0.128)/(48 - 30) | 0.00522222 |
| 0.156 (2/18/2025) | 0.128 (6/10/2020) | (0.156 - 0.128)/(49 - 30) | 0.00147368 |

| | | | |
|---|---|---|---|
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.128 - 0.1)/(35 - 31) | 0.007 |
| 0.178 (11/23/2021) | ND<0.1 U (9/21/2020) | (0.178 - 0.1)/(36 - 31) | 0.0156 |
| 0.136 (1/10/2022) | ND<0.1 U (9/21/2020) | (0.136 - 0.1)/(37 - 31) | 0.006 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(38 - 31) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (9/21/2020) | (0.123 - 0.1)/(39 - 31) | 0.002875 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (9/21/2020) | (0.102 - 0.1)/(42 - 31) | 0.000181818 |
| 0.124 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.124 - 0.1)/(43 - 31) | 0.002 |
| 0.089 (12/12/2023) | ND<0.1 U (9/21/2020) | (0.089 - 0.1)/(44 - 31) | -0.000846154 |
| 0.117 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.117 - 0.1)/(45 - 31) | 0.00121429 |
| 0.121 (5/20/2024) | ND<0.1 U (9/21/2020) | (0.121 - 0.1)/(46 - 31) | 0.0014 |
| 0.201 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.201 - 0.1)/(47 - 31) | 0.0063125 |
| 0.222 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.222 - 0.1)/(48 - 31) | 0.00717647 |
| 0.156 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.156 - 0.1)/(49 - 31) | 0.00311111 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.128 - 0.1)/(35 - 32) | 0.00933333 |
| 0.178 (11/23/2021) | ND<0.1 U (12/17/2020) | (0.178 - 0.1)/(36 - 32) | 0.0195 |
| 0.136 (1/10/2022) | ND<0.1 U (12/17/2020) | (0.136 - 0.1)/(37 - 32) | 0.0072 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(38 - 32) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (12/17/2020) | (0.123 - 0.1)/(39 - 32) | 0.00328571 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (12/17/2020) | (0.102 - 0.1)/(42 - 32) | 0.0002 |
| 0.124 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.124 - 0.1)/(43 - 32) | 0.00218182 |
| 0.089 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.089 - 0.1)/(44 - 32) | -0.000916667 |
| 0.117 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.117 - 0.1)/(45 - 32) | 0.00130769 |
| 0.121 (5/20/2024) | ND<0.1 U (12/17/2020) | (0.121 - 0.1)/(46 - 32) | 0.0015 |
| 0.201 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.201 - 0.1)/(47 - 32) | 0.00673333 |
| 0.222 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.222 - 0.1)/(48 - 32) | 0.007625 |
| 0.156 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.156 - 0.1)/(49 - 32) | 0.00329412 |

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|---|---|---|---|
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| 0.128 (9/2/2021) | ND<0.1 U (3/18/2021) | (0.128 - 0.1)/(35 - 33) | 0.014 |

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|---|---|---|---|
| 0.178 (11/23/2021) | ND<0.1 U (3/18/2021) | (0.178 - 0.1)/(36 - 33) | 0.026 |
| 0.136 (1/10/2022) | ND<0.1 U (3/18/2021) | (0.136 - 0.1)/(37 - 33) | 0.009 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(38 - 33) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (3/18/2021) | (0.123 - 0.1)/(39 - 33) | 0.00383333 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (3/18/2021) | (0.102 - 0.1)/(42 - 33) | 0.000222222 |
| 0.124 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.124 - 0.1)/(43 - 33) | 0.0024 |
| 0.089 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.089 - 0.1)/(44 - 33) | -0.001 |
| 0.117 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.117 - 0.1)/(45 - 33) | 0.00141667 |
| 0.121 (5/20/2024) | ND<0.1 U (3/18/2021) | (0.121 - 0.1)/(46 - 33) | 0.00161538 |
| 0.201 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.201 - 0.1)/(47 - 33) | 0.00721429 |
| 0.222 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.222 - 0.1)/(48 - 33) | 0.00813333 |
| 0.156 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.156 - 0.1)/(49 - 33) | 0.0035 |
| | | | |
| 0.128 (9/2/2021) | ND<0.1 U (5/5/2021) | (0.128 - 0.1)/(35 - 34) | 0.028 |
| 0.178 (11/23/2021) | ND<0.1 U (5/5/2021) | (0.178 - 0.1)/(36 - 34) | 0.039 |
| 0.136 (1/10/2022) | ND<0.1 U (5/5/2021) | (0.136 - 0.1)/(37 - 34) | 0.012 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(38 - 34) | 0 |
| 0.123 (8/3/2022) | ND<0.1 U (5/5/2021) | (0.123 - 0.1)/(39 - 34) | 0.0046 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (5/5/2021) | (0.102 - 0.1)/(42 - 34) | 0.00025 |
| 0.124 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.124 - 0.1)/(43 - 34) | 0.00266667 |
| 0.089 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.089 - 0.1)/(44 - 34) | -0.0011 |
| 0.117 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.117 - 0.1)/(45 - 34) | 0.00154545 |
| 0.121 (5/20/2024) | ND<0.1 U (5/5/2021) | (0.121 - 0.1)/(46 - 34) | 0.00175 |
| 0.201 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.201 - 0.1)/(47 - 34) | 0.00776923 |
| 0.222 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.222 - 0.1)/(48 - 34) | 0.00871429 |
| 0.156 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.156 - 0.1)/(49 - 34) | 0.00373333 |
| | | | |
| 0.178 (11/23/2021) | 0.128 (9/2/2021) | (0.178 - 0.128)/(36 - 35) | 0.05 |
| 0.136 (1/10/2022) | 0.128 (9/2/2021) | (0.136 - 0.128)/(37 - 35) | 0.004 |
| ND<0.1 U (4/7/2022) | 0.128 (9/2/2021) | (0.1 - 0.128)/(38 - 35) | -0.00933333 |
| 0.123 (8/3/2022) | 0.128 (9/2/2021) | (0.123 - 0.128)/(39 - 35) | -0.00125 |
| ND<0.1 U (11/16/2022) | 0.128 (9/2/2021) | (0.1 - 0.128)/(40 - 35) | -0.0056 |
| ND<0.1 U (2/13/2023) | 0.128 (9/2/2021) | (0.1 - 0.128)/(41 - 35) | -0.00466667 |
| 0.102 (5/24/2023) | 0.128 (9/2/2021) | (0.102 - 0.128)/(42 - 35) | -0.00371429 |
| 0.124 (8/7/2023) | 0.128 (9/2/2021) | (0.124 - 0.128)/(43 - 35) | -0.0005 |
| 0.089 (12/12/2023) | 0.128 (9/2/2021) | (0.089 - 0.128)/(44 - 35) | -0.00433333 |
| 0.117 (1/10/2024) | 0.128 (9/2/2021) | (0.117 - 0.128)/(45 - 35) | -0.0011 |
| 0.121 (5/20/2024) | 0.128 (9/2/2021) | (0.121 - 0.128)/(46 - 35) | -0.000636364 |
| 0.201 (9/16/2024) | 0.128 (9/2/2021) | (0.201 - 0.128)/(47 - 35) | 0.00608333 |
| 0.222 (12/11/2024) | 0.128 (9/2/2021) | (0.222 - 0.128)/(48 - 35) | 0.00723077 |
| 0.156 (2/18/2025) | 0.128 (9/2/2021) | (0.156 - 0.128)/(49 - 35) | 0.002 |
| | | | |
| 0.136 (1/10/2022) | 0.178 (11/23/2021) | (0.136 - 0.178)/(37 - 36) | -0.042 |
| ND<0.1 U (4/7/2022) | 0.178 (11/23/2021) | (0.1 - 0.178)/(38 - 36) | -0.039 |
| 0.123 (8/3/2022) | 0.178 (11/23/2021) | (0.123 - 0.178)/(39 - 36) | -0.0183333 |
| ND<0.1 U (11/16/2022) | 0.178 (11/23/2021) | (0.1 - 0.178)/(40 - 36) | -0.0195 |
| ND<0.1 U (2/13/2023) | 0.178 (11/23/2021) | (0.1 - 0.178)/(41 - 36) | -0.0156 |
| 0.102 (5/24/2023) | 0.178 (11/23/2021) | (0.102 - 0.178)/(42 - 36) | -0.0126667 |
| 0.124 (8/7/2023) | 0.178 (11/23/2021) | (0.124 - 0.178)/(43 - 36) | -0.00771429 |
| 0.089 (12/12/2023) | 0.178 (11/23/2021) | (0.089 - 0.178)/(44 - 36) | -0.011125 |
| 0.117 (1/10/2024) | 0.178 (11/23/2021) | (0.117 - 0.178)/(45 - 36) | -0.00677778 |
| 0.121 (5/20/2024) | 0.178 (11/23/2021) | (0.121 - 0.178)/(46 - 36) | -0.0057 |
| 0.201 (9/16/2024) | 0.178 (11/23/2021) | (0.201 - 0.178)/(47 - 36) | 0.00209091 |

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|---|---|---|---|
| 0.222 (12/11/2024) | 0.178 (11/23/2021) | (0.222 - 0.178)/(48 - 36) | 0.00366667 |
| 0.156 (2/18/2025) | 0.178 (11/23/2021) | (0.156 - 0.178)/(49 - 36) | -0.00169231 |
| | | | |
| ND<0.1 U (4/7/2022) | 0.136 (1/10/2022) | (0.1 - 0.136)/(38 - 37) | -0.036 |
| 0.123 (8/3/2022) | 0.136 (1/10/2022) | (0.123 - 0.136)/(39 - 37) | -0.0065 |
| ND<0.1 U (11/16/2022) | 0.136 (1/10/2022) | (0.1 - 0.136)/(40 - 37) | -0.012 |
| ND<0.1 U (2/13/2023) | 0.136 (1/10/2022) | (0.1 - 0.136)/(41 - 37) | -0.009 |
| 0.102 (5/24/2023) | 0.136 (1/10/2022) | (0.102 - 0.136)/(42 - 37) | -0.0068 |
| 0.124 (8/7/2023) | 0.136 (1/10/2022) | (0.124 - 0.136)/(43 - 37) | -0.002 |
| 0.089 (12/12/2023) | 0.136 (1/10/2022) | (0.089 - 0.136)/(44 - 37) | -0.00671429 |
| 0.117 (1/10/2024) | 0.136 (1/10/2022) | (0.117 - 0.136)/(45 - 37) | -0.002375 |
| 0.121 (5/20/2024) | 0.136 (1/10/2022) | (0.121 - 0.136)/(46 - 37) | -0.00166667 |
| 0.201 (9/16/2024) | 0.136 (1/10/2022) | (0.201 - 0.136)/(47 - 37) | 0.0065 |
| 0.222 (12/11/2024) | 0.136 (1/10/2022) | (0.222 - 0.136)/(48 - 37) | 0.00781818 |
| 0.156 (2/18/2025) | 0.136 (1/10/2022) | (0.156 - 0.136)/(49 - 37) | 0.00166667 |
| | | | |
| 0.123 (8/3/2022) | ND<0.1 U (4/7/2022) | (0.123 - 0.1)/(39 - 38) | 0.023 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(41 - 38) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (4/7/2022) | (0.102 - 0.1)/(42 - 38) | 0.0005 |
| 0.124 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.124 - 0.1)/(43 - 38) | 0.0048 |
| 0.089 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.089 - 0.1)/(44 - 38) | -0.00183333 |
| 0.117 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.117 - 0.1)/(45 - 38) | 0.00242857 |
| 0.121 (5/20/2024) | ND<0.1 U (4/7/2022) | (0.121 - 0.1)/(46 - 38) | 0.002625 |
| 0.201 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.201 - 0.1)/(47 - 38) | 0.0112222 |
| 0.222 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.222 - 0.1)/(48 - 38) | 0.0122 |
| 0.156 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.156 - 0.1)/(49 - 38) | 0.00509091 |
| | | | |
| ND<0.1 U (11/16/2022) | 0.123 (8/3/2022) | (0.1 - 0.123)/(40 - 39) | -0.023 |
| ND<0.1 U (2/13/2023) | 0.123 (8/3/2022) | (0.1 - 0.123)/(41 - 39) | -0.0115 |
| 0.102 (5/24/2023) | 0.123 (8/3/2022) | (0.102 - 0.123)/(42 - 39) | -0.007 |
| 0.124 (8/7/2023) | 0.123 (8/3/2022) | (0.124 - 0.123)/(43 - 39) | 0.00025 |
| 0.089 (12/12/2023) | 0.123 (8/3/2022) | (0.089 - 0.123)/(44 - 39) | -0.0068 |
| 0.117 (1/10/2024) | 0.123 (8/3/2022) | (0.117 - 0.123)/(45 - 39) | -0.001 |
| 0.121 (5/20/2024) | 0.123 (8/3/2022) | (0.121 - 0.123)/(46 - 39) | -0.000285714 |
| 0.201 (9/16/2024) | 0.123 (8/3/2022) | (0.201 - 0.123)/(47 - 39) | 0.00975 |
| 0.222 (12/11/2024) | 0.123 (8/3/2022) | (0.222 - 0.123)/(48 - 39) | 0.011 |
| 0.156 (2/18/2025) | 0.123 (8/3/2022) | (0.156 - 0.123)/(49 - 39) | 0.0033 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.102 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.102 - 0.1)/(42 - 40) | 0.001 |
| 0.124 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.124 - 0.1)/(43 - 40) | 0.008 |
| 0.089 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.089 - 0.1)/(44 - 40) | -0.00275 |
| 0.117 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.117 - 0.1)/(45 - 40) | 0.0034 |
| 0.121 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.121 - 0.1)/(46 - 40) | 0.0035 |
| 0.201 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.201 - 0.1)/(47 - 40) | 0.0144286 |
| 0.222 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.222 - 0.1)/(48 - 40) | 0.01525 |
| 0.156 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.156 - 0.1)/(49 - 40) | 0.00622222 |
| | | | |
| 0.102 (5/24/2023) | ND<0.1 U (2/13/2023) | (0.102 - 0.1)/(42 - 41) | 0.002 |
| 0.124 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.124 - 0.1)/(43 - 41) | 0.012 |
| 0.089 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.089 - 0.1)/(44 - 41) | -0.00366667 |
| 0.117 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.117 - 0.1)/(45 - 41) | 0.00425 |
| 0.121 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.121 - 0.1)/(46 - 41) | 0.0042 |
| 0.201 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.201 - 0.1)/(47 - 41) | 0.0168333 |
| 0.222 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.222 - 0.1)/(48 - 41) | 0.0174286 |
| 0.156 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.156 - 0.1)/(49 - 41) | 0.007 |

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|---|---|---|---|
| 0.124 (8/7/2023) | 0.102 (5/24/2023) | (0.124 - 0.102)/(43 - 42) | 0.022 |
| 0.089 (12/12/2023) | 0.102 (5/24/2023) | (0.089 - 0.102)/(44 - 42) | -0.0065 |
| 0.117 (1/10/2024) | 0.102 (5/24/2023) | (0.117 - 0.102)/(45 - 42) | 0.005 |
| 0.121 (5/20/2024) | 0.102 (5/24/2023) | (0.121 - 0.102)/(46 - 42) | 0.00475 |
| 0.201 (9/16/2024) | 0.102 (5/24/2023) | (0.201 - 0.102)/(47 - 42) | 0.0198 |
| 0.222 (12/11/2024) | 0.102 (5/24/2023) | (0.222 - 0.102)/(48 - 42) | 0.02 |
| 0.156 (2/18/2025) | 0.102 (5/24/2023) | (0.156 - 0.102)/(49 - 42) | 0.00771429 |
| | | | |
| 0.089 (12/12/2023) | 0.124 (8/7/2023) | (0.089 - 0.124)/(44 - 43) | -0.035 |
| 0.117 (1/10/2024) | 0.124 (8/7/2023) | (0.117 - 0.124)/(45 - 43) | -0.0035 |
| 0.121 (5/20/2024) | 0.124 (8/7/2023) | (0.121 - 0.124)/(46 - 43) | -0.001 |
| 0.201 (9/16/2024) | 0.124 (8/7/2023) | (0.201 - 0.124)/(47 - 43) | 0.01925 |
| 0.222 (12/11/2024) | 0.124 (8/7/2023) | (0.222 - 0.124)/(48 - 43) | 0.0196 |
| 0.156 (2/18/2025) | 0.124 (8/7/2023) | (0.156 - 0.124)/(49 - 43) | 0.00533333 |
| | | | |
| 0.117 (1/10/2024) | 0.089 (12/12/2023) | (0.117 - 0.089)/(45 - 44) | 0.028 |
| 0.121 (5/20/2024) | 0.089 (12/12/2023) | (0.121 - 0.089)/(46 - 44) | 0.016 |
| 0.201 (9/16/2024) | 0.089 (12/12/2023) | (0.201 - 0.089)/(47 - 44) | 0.0373333 |
| 0.222 (12/11/2024) | 0.089 (12/12/2023) | (0.222 - 0.089)/(48 - 44) | 0.03325 |
| 0.156 (2/18/2025) | 0.089 (12/12/2023) | (0.156 - 0.089)/(49 - 44) | 0.0134 |
| | | | |
| 0.121 (5/20/2024) | 0.117 (1/10/2024) | (0.121 - 0.117)/(46 - 45) | 0.004 |
| 0.201 (9/16/2024) | 0.117 (1/10/2024) | (0.201 - 0.117)/(47 - 45) | 0.042 |
| 0.222 (12/11/2024) | 0.117 (1/10/2024) | (0.222 - 0.117)/(48 - 45) | 0.035 |
| 0.156 (2/18/2025) | 0.117 (1/10/2024) | (0.156 - 0.117)/(49 - 45) | 0.00975 |
| | | | |
| 0.201 (9/16/2024) | 0.121 (5/20/2024) | (0.201 - 0.121)/(47 - 46) | 0.08 |
| 0.222 (12/11/2024) | 0.121 (5/20/2024) | (0.222 - 0.121)/(48 - 46) | 0.0505 |
| 0.156 (2/18/2025) | 0.121 (5/20/2024) | (0.156 - 0.121)/(49 - 46) | 0.0116667 |
| | | | |
| 0.222 (12/11/2024) | 0.201 (9/16/2024) | (0.222 - 0.201)/(48 - 47) | 0.021 |
| 0.156 (2/18/2025) | 0.201 (9/16/2024) | (0.156 - 0.201)/(49 - 47) | -0.0225 |
| | | | |
| 0.156 (2/18/2025) | 0.222 (12/11/2024) | (0.156 - 0.222)/(49 - 48) | -0.066 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.22 |
| 2 | -0.159 |
| 3 | -0.124 |
| 4 | -0.09 |
| 5 | -0.088 |
| 6 | -0.0826667 |
| 7 | -0.08 |
| 8 | -0.08 |
| 9 | -0.066 |
| 10 | -0.062 |
| 11 | -0.06 |
| 12 | -0.06 |
| 13 | -0.0586667 |
| 14 | -0.0496 |
| 15 | -0.042 |
| 16 | -0.04 |

| | |
|---|---|
| 17 | -0.04 |
| 18 | -0.04 |
| 19 | -0.04 |
| 20 | -0.039 |
| 21 | -0.0366667 |
| 22 | -0.036 |
| 23 | -0.035 |
| 24 | -0.03 |
| 25 | -0.028 |
| 26 | -0.0275556 |
| 27 | -0.0265 |
| 28 | -0.0255 |
| 29 | -0.025 |
| 30 | -0.0242857 |
| 31 | -0.024 |
| 32 | -0.023 |
| 33 | -0.0225455 |
| 34 | -0.0225 |
| 35 | -0.0225 |
| 36 | -0.0223333 |
| 37 | -0.022 |
| 38 | -0.0218 |
| 39 | -0.0211429 |
| 40 | -0.0206667 |
| 41 | -0.02 |
| 42 | -0.02 |
| 43 | -0.0195556 |
| 44 | -0.0195 |
| 45 | -0.0195 |
| 46 | -0.0189231 |
| 47 | -0.0185 |
| 48 | -0.0183333 |
| 49 | -0.0176 |
| 50 | -0.0172667 |
| 51 | -0.017 |
| 52 | -0.01675 |
| 53 | -0.0166667 |
| 54 | -0.0166667 |
| 55 | -0.016 |
| 56 | -0.016 |
| 57 | -0.016 |
| 58 | -0.0156 |
| 59 | -0.0155 |
| 60 | -0.0153333 |
| 61 | -0.015 |
| 62 | -0.015 |
| 63 | -0.015 |
| 64 | -0.015 |
| 65 | -0.0148 |
| 66 | -0.0144375 |
| 67 | -0.0142857 |
| 68 | -0.014 |
| 69 | -0.0134 |
| 70 | -0.0133529 |
| 71 | -0.0133333 |
| 72 | -0.0126667 |
| 73 | -0.0125 |

| | |
|---|---|
| 74 | -0.0125 |
| 75 | -0.0123333 |
| 76 | -0.0123333 |
| 77 | -0.012 |
| 78 | -0.012 |
| 79 | -0.012 |
| 80 | -0.012 |
| 81 | -0.0117333 |
| 82 | -0.0116667 |
| 83 | -0.0115 |
| 84 | -0.0114286 |
| 85 | -0.0111667 |
| 86 | -0.011125 |
| 87 | -0.011 |
| 88 | -0.0109091 |
| 89 | -0.0105714 |
| 90 | -0.0103529 |
| 91 | -0.0103333 |
| 92 | -0.01 |
| 93 | -0.01 |
| 94 | -0.01 |
| 95 | -0.01 |
| 96 | -0.01 |
| 97 | -0.01 |
| 98 | -0.01 |
| 99 | -0.01 |
| 100 | -0.01 |
| 101 | -0.01 |
| 102 | -0.01 |
| 103 | -0.01 |
| 104 | -0.01 |
| 105 | -0.01 |
| 106 | -0.00977778 |
| 107 | -0.0096 |
| 108 | -0.0096 |
| 109 | -0.0095625 |
| 110 | -0.00933333 |
| 111 | -0.00933333 |
| 112 | -0.00915789 |
| 113 | -0.009 |
| 114 | -0.00890476 |
| 115 | -0.00888889 |
| 116 | -0.00875 |
| 117 | -0.00857143 |
| 118 | -0.0085 |
| 119 | -0.00816667 |
| 120 | -0.00777778 |
| 121 | -0.00771429 |
| 122 | -0.0076 |
| 123 | -0.00753846 |
| 124 | -0.0075 |
| 125 | -0.00722727 |
| 126 | -0.00705882 |
| 127 | -0.007 |
| 128 | -0.007 |
| 129 | -0.007 |
| 130 | -0.0068 |

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| 131 | -0.0068 |
| 132 | -0.00677778 |
| 133 | -0.00673913 |
| 134 | -0.00672727 |
| 135 | -0.00671429 |
| 136 | -0.0067 |
| 137 | -0.00666667 |
| 138 | -0.00666667 |
| 139 | -0.00666667 |
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| 142 | -0.0065 |
| 143 | -0.0064375 |
| 144 | -0.00636364 |
| 145 | -0.00625 |
| 146 | -0.00615385 |
| 147 | -0.006 |
| 148 | -0.006 |
| 149 | -0.006 |
| 150 | -0.00575 |
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| 152 | -0.00571429 |
| 153 | -0.00571429 |
| 154 | -0.0057 |
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| 157 | -0.0056 |
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| 159 | -0.00557143 |
| 160 | -0.00555556 |
| 161 | -0.00555556 |
| 162 | -0.00553846 |
| 163 | -0.00545455 |
| 164 | -0.00533333 |
| 165 | -0.00533333 |
| 166 | -0.00528571 |
| 167 | -0.00525 |
| 168 | -0.00521739 |
| 169 | -0.00515385 |
| 170 | -0.00514286 |
| 171 | -0.005 |
| 172 | -0.005 |
| 173 | -0.005 |
| 174 | -0.005 |
| 175 | -0.005 |
| 176 | -0.005 |
| 177 | -0.005 |
| 178 | -0.005 |
| 179 | -0.005 |
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| 181 | -0.00484615 |
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| 185 | -0.0048 |
| 186 | -0.00471429 |
| 187 | -0.00466667 |

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|---|---|
| 188 | -0.00464286 |
| 189 | -0.00461538 |
| 190 | -0.00461538 |
| 191 | -0.00461538 |
| 192 | -0.00444444 |
| 193 | -0.00436364 |
| 194 | -0.00436364 |
| 195 | -0.00433333 |
| 196 | -0.0043 |
| 197 | -0.00428571 |
| 198 | -0.00428571 |
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| 201 | -0.00418182 |
| 202 | -0.00416667 |
| 203 | -0.004125 |
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| 205 | -0.004 |
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| 220 | -0.00365 |
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| 249 | -0.00315789 |
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| 255 | -0.00310345 |
| 256 | -0.00307692 |
| 257 | -0.00307692 |
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| 270 | -0.00286667 |
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| 287 | -0.00266667 |
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| 290 | -0.00260526 |
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| 293 | -0.00255556 |
| 294 | -0.00254545 |
| 295 | -0.00252632 |
| 296 | -0.00252632 |
| 297 | -0.002525 |
| 298 | -0.00251613 |
| 299 | -0.0025 |
| 300 | -0.0025 |
| 301 | -0.0025 |

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| 306 | -0.00242857 |
| 307 | -0.00242105 |
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| 315 | -0.00235294 |
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| 329 | -0.00217391 |
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| 335 | -0.00211111 |
| 336 | -0.00208333 |
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| 338 | -0.00207143 |
| 339 | -0.00203571 |
| 340 | -0.002 |
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| 342 | -0.002 |
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| 346 | -0.00191429 |
| 347 | -0.00190909 |
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| 350 | -0.00186842 |
| 351 | -0.00185294 |
| 352 | -0.00184615 |
| 353 | -0.00183333 |
| 354 | -0.00181818 |
| 355 | -0.00181818 |
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| 358 | -0.00176471 |

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| 387 | -0.00145714 |
| 388 | -0.00142857 |
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| 392 | -0.00138889 |
| 393 | -0.0013871 |
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| 398 | -0.00129032 |
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| 402 | -0.00125 |
| 403 | -0.00125 |
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| 405 | -0.00122727 |
| 406 | -0.00122222 |
| 407 | -0.00121875 |
| 408 | -0.00121429 |
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| 410 | -0.00117647 |
| 411 | -0.00117391 |
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| 422 | -0.0011 |
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| 427 | -0.0010625 |
| 428 | -0.00105263 |
| 429 | -0.00104348 |
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| 431 | -0.001 |
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| 439 | -0.000966667 |
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| 441 | -0.000958333 |
| 442 | -0.000916667 |
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| 444 | -0.000869565 |
| 445 | -0.000846154 |
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| 447 | -0.000833333 |
| 448 | -0.000818182 |
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| 454 | -0.000774194 |
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| 467 | -0.000666667 |
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| 517 | -0.00025641 |
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| 521 | -0.000114286 |
| 522 | -0.0001 |
| 523 | -9.30233e-05 |
| 524 | -8.33333e-05 |
| 525 | -8e-05 |
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| 527 | 0 |
| 528 | 0 |
| 529 | 0 |

| | |
|---|---|
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| 553 | 0 |
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| 559 | 0 |
| 560 | 0 |
| 561 | 0 |
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| 564 | 0 |
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| 569 | 0 |
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| 578 | 0 |
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| 631 | 0 |
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| 646 | 0 |
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| 652 | 0 |
| 653 | 0 |
| 654 | 0 |
| 655 | 0 |
| 656 | 0 |
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| 658 | 0 |
| 659 | 0 |
| 660 | 0 |
| 661 | 0 |
| 662 | 0 |
| 663 | 0 |
| 664 | 0 |
| 665 | 0 |
| 666 | 0 |
| 667 | 0 |
| 668 | 0 |
| 669 | 3.22581e-05 |
| 670 | 5e-05 |
| 671 | 5e-05 |
| 672 | 5.12821e-05 |
| 673 | 5.40541e-05 |
| 674 | 5.71429e-05 |
| 675 | 6.25e-05 |
| 676 | 6.89655e-05 |
| 677 | 8.69565e-05 |
| 678 | 9.09091e-05 |
| 679 | 0.000117647 |
| 680 | 0.000125 |
| 681 | 0.000125 |
| 682 | 0.000142857 |
| 683 | 0.000159091 |
| 684 | 0.000181818 |
| 685 | 0.000181818 |
| 686 | 0.000181818 |
| 687 | 0.0001875 |
| 688 | 0.0002 |
| 689 | 0.000222222 |
| 690 | 0.000244444 |
| 691 | 0.00025 |
| 692 | 0.00025 |
| 693 | 0.000255814 |
| 694 | 0.000259259 |
| 695 | 0.000285714 |
| 696 | 0.000296296 |
| 697 | 0.000304348 |
| 698 | 0.000318182 |
| 699 | 0.000333333 |
| 700 | 0.000342105 |

| | |
|---|---|
| 701 | 0.000368421 |
| 702 | 0.000392857 |
| 703 | 0.000395349 |
| 704 | 0.0004 |
| 705 | 0.0004 |
| 706 | 0.0004 |
| 707 | 0.000404762 |
| 708 | 0.000425 |
| 709 | 0.000444444 |
| 710 | 0.000447368 |
| 711 | 0.000477273 |
| 712 | 0.000485714 |
| 713 | 0.000488372 |
| 714 | 0.0005 |
| 715 | 0.0005 |
| 716 | 0.000512195 |
| 717 | 0.000529412 |
| 718 | 0.00053125 |
| 719 | 0.000533333 |
| 720 | 0.000538462 |
| 721 | 0.00056 |
| 722 | 0.000583333 |
| 723 | 0.000583333 |
| 724 | 0.000585366 |
| 725 | 0.0006 |
| 726 | 0.0006 |
| 727 | 0.0006 |
| 728 | 0.000615385 |
| 729 | 0.000619048 |
| 730 | 0.00062069 |
| 731 | 0.000621622 |
| 732 | 0.000625 |
| 733 | 0.000631579 |
| 734 | 0.000636364 |
| 735 | 0.000638889 |
| 736 | 0.000653846 |
| 737 | 0.000666667 |
| 738 | 0.000666667 |
| 739 | 0.000666667 |
| 740 | 0.000666667 |
| 741 | 0.000676471 |
| 742 | 0.00068 |
| 743 | 0.000714286 |
| 744 | 0.00071875 |
| 745 | 0.000722222 |
| 746 | 0.000727273 |
| 747 | 0.000727273 |
| 748 | 0.000727273 |
| 749 | 0.000769231 |
| 750 | 0.000772727 |
| 751 | 0.000777778 |
| 752 | 0.000793103 |
| 753 | 0.0008 |
| 754 | 0.000807692 |
| 755 | 0.000809524 |
| 756 | 0.000818182 |
| 757 | 0.000848485 |

| | |
|---|---|
| 758 | 0.00085 |
| 759 | 0.000875 |
| 760 | 0.000884615 |
| 761 | 0.000894737 |
| 762 | 0.000894737 |
| 763 | 0.000909091 |
| 764 | 0.000933333 |
| 765 | 0.000958333 |
| 766 | 0.001 |
| 767 | 0.001 |
| 768 | 0.001 |
| 769 | 0.001 |
| 770 | 0.001 |
| 771 | 0.001 |
| 772 | 0.001 |
| 773 | 0.001 |
| 774 | 0.00102857 |
| 775 | 0.00103704 |
| 776 | 0.00104348 |
| 777 | 0.00105 |
| 778 | 0.00105882 |
| 779 | 0.00105882 |
| 780 | 0.00105882 |
| 781 | 0.00107692 |
| 782 | 0.00112 |
| 783 | 0.00112 |
| 784 | 0.001125 |
| 785 | 0.00113514 |
| 786 | 0.00114286 |
| 787 | 0.00115 |
| 788 | 0.00116667 |
| 789 | 0.00116667 |
| 790 | 0.00119149 |
| 791 | 0.0012 |
| 792 | 0.00121053 |
| 793 | 0.00121429 |
| 794 | 0.00121429 |
| 795 | 0.00121739 |
| 796 | 0.00121739 |
| 797 | 0.00124242 |
| 798 | 0.00125 |
| 799 | 0.00125 |
| 800 | 0.00127273 |
| 801 | 0.00127273 |
| 802 | 0.00130769 |
| 803 | 0.00133333 |
| 804 | 0.00133333 |
| 805 | 0.00133333 |
| 806 | 0.00135 |
| 807 | 0.00136842 |
| 808 | 0.001375 |
| 809 | 0.0014 |
| 810 | 0.0014 |
| 811 | 0.0014 |
| 812 | 0.00140741 |
| 813 | 0.00141176 |
| 814 | 0.00141667 |

| | |
|---|---|
| 815 | 0.00141667 |
| 816 | 0.00142105 |
| 817 | 0.00142857 |
| 818 | 0.0014359 |
| 819 | 0.00146154 |
| 820 | 0.00147368 |
| 821 | 0.00147368 |
| 822 | 0.00147619 |
| 823 | 0.00148387 |
| 824 | 0.0015 |
| 825 | 0.0015 |
| 826 | 0.0015 |
| 827 | 0.00153846 |
| 828 | 0.00154545 |
| 829 | 0.00154545 |
| 830 | 0.00154545 |
| 831 | 0.00155556 |
| 832 | 0.00156 |
| 833 | 0.00160526 |
| 834 | 0.00161538 |
| 835 | 0.00164286 |
| 836 | 0.00164516 |
| 837 | 0.00164706 |
| 838 | 0.00166667 |
| 839 | 0.00166667 |
| 840 | 0.0017 |
| 841 | 0.00175 |
| 842 | 0.00175 |
| 843 | 0.00176923 |
| 844 | 0.00178947 |
| 845 | 0.00180952 |
| 846 | 0.00182353 |
| 847 | 0.00183333 |
| 848 | 0.00186667 |
| 849 | 0.00186667 |
| 850 | 0.00188889 |
| 851 | 0.0019 |
| 852 | 0.00193103 |
| 853 | 0.00194286 |
| 854 | 0.00197826 |
| 855 | 0.002 |
| 856 | 0.002 |
| 857 | 0.002 |
| 858 | 0.002 |
| 859 | 0.002 |
| 860 | 0.002 |
| 861 | 0.002 |
| 862 | 0.00203846 |
| 863 | 0.00209091 |
| 864 | 0.00210256 |
| 865 | 0.00211111 |
| 866 | 0.00211765 |
| 867 | 0.00212 |
| 868 | 0.00214286 |
| 869 | 0.00218182 |
| 870 | 0.00218182 |
| 871 | 0.00224444 |

| | |
|---|---|
| 872 | 0.00225 |
| 873 | 0.00228571 |
| 874 | 0.00229412 |
| 875 | 0.00229545 |
| 876 | 0.00232258 |
| 877 | 0.00233333 |
| 878 | 0.00236364 |
| 879 | 0.00238298 |
| 880 | 0.0024 |
| 881 | 0.0024 |
| 882 | 0.0024 |
| 883 | 0.00240476 |
| 884 | 0.00242857 |
| 885 | 0.00243478 |
| 886 | 0.00246154 |
| 887 | 0.0025 |
| 888 | 0.0025 |
| 889 | 0.00251613 |
| 890 | 0.002525 |
| 891 | 0.00252632 |
| 892 | 0.00252632 |
| 893 | 0.00253125 |
| 894 | 0.00254545 |
| 895 | 0.00257692 |
| 896 | 0.002625 |
| 897 | 0.00265217 |
| 898 | 0.00266667 |
| 899 | 0.00266667 |
| 900 | 0.00266667 |
| 901 | 0.00268 |
| 902 | 0.00268966 |
| 903 | 0.00271111 |
| 904 | 0.00271429 |
| 905 | 0.00272973 |
| 906 | 0.00274074 |
| 907 | 0.00275 |
| 908 | 0.0027619 |
| 909 | 0.0028 |
| 910 | 0.0028 |
| 911 | 0.00282353 |
| 912 | 0.00283721 |
| 913 | 0.00284615 |
| 914 | 0.002875 |
| 915 | 0.00291304 |
| 916 | 0.00296 |
| 917 | 0.00297059 |
| 918 | 0.00297561 |
| 919 | 0.003 |
| 920 | 0.003 |
| 921 | 0.003 |
| 922 | 0.00308333 |
| 923 | 0.00309091 |
| 924 | 0.00311111 |
| 925 | 0.00311111 |
| 926 | 0.00313793 |
| 927 | 0.00316667 |
| 928 | 0.00319048 |

| | |
|---|---|
| 929 | 0.0032 |
| 930 | 0.00321053 |
| 931 | 0.00327273 |
| 932 | 0.00328571 |
| 933 | 0.00329412 |
| 934 | 0.0033 |
| 935 | 0.00333333 |
| 936 | 0.00333333 |
| 937 | 0.00336364 |
| 938 | 0.0033913 |
| 939 | 0.0034 |
| 940 | 0.0034 |
| 941 | 0.00342857 |
| 942 | 0.00348571 |
| 943 | 0.0035 |
| 944 | 0.0035 |
| 945 | 0.00357143 |
| 946 | 0.00357143 |
| 947 | 0.00360714 |
| 948 | 0.00361538 |
| 949 | 0.00365217 |
| 950 | 0.00366667 |
| 951 | 0.0037 |
| 952 | 0.00372222 |
| 953 | 0.00373333 |
| 954 | 0.00373333 |
| 955 | 0.00373333 |
| 956 | 0.00374074 |
| 957 | 0.00375 |
| 958 | 0.00377778 |
| 959 | 0.00383333 |
| 960 | 0.00384615 |
| 961 | 0.00384615 |
| 962 | 0.004 |
| 963 | 0.004 |
| 964 | 0.004 |
| 965 | 0.004 |
| 966 | 0.004 |
| 967 | 0.004 |
| 968 | 0.004 |
| 969 | 0.00416667 |
| 970 | 0.0042 |
| 971 | 0.0042069 |
| 972 | 0.00425 |
| 973 | 0.00425 |
| 974 | 0.00429412 |
| 975 | 0.00433333 |
| 976 | 0.00435294 |
| 977 | 0.00435714 |
| 978 | 0.00436364 |
| 979 | 0.004375 |
| 980 | 0.00446667 |
| 981 | 0.0045 |
| 982 | 0.00452632 |
| 983 | 0.00454545 |
| 984 | 0.00458824 |
| 985 | 0.00459091 |

| | |
|---|---|
| 986 | 0.0046 |
| 987 | 0.00466667 |
| 988 | 0.00475 |
| 989 | 0.0048 |
| 990 | 0.00480952 |
| 991 | 0.004875 |
| 992 | 0.005 |
| 993 | 0.005 |
| 994 | 0.005 |
| 995 | 0.00508333 |
| 996 | 0.00509091 |
| 997 | 0.0052 |
| 998 | 0.00522222 |
| 999 | 0.00528571 |
| 1000 | 0.00530435 |
| 1001 | 0.00533333 |
| 1002 | 0.00533333 |
| 1003 | 0.00545455 |
| 1004 | 0.00554545 |
| 1005 | 0.00555556 |
| 1006 | 0.0056 |
| 1007 | 0.0057 |
| 1008 | 0.00571429 |
| 1009 | 0.006 |
| 1010 | 0.006 |
| 1011 | 0.00608333 |
| 1012 | 0.00609524 |
| 1013 | 0.00622222 |
| 1014 | 0.0063125 |
| 1015 | 0.00632 |
| 1016 | 0.00636364 |
| 1017 | 0.0065 |
| 1018 | 0.00666667 |
| 1019 | 0.00666667 |
| 1020 | 0.00673333 |
| 1021 | 0.00682353 |
| 1022 | 0.007 |
| 1023 | 0.007 |
| 1024 | 0.007 |
| 1025 | 0.007 |
| 1026 | 0.00709091 |
| 1027 | 0.00711111 |
| 1028 | 0.00714286 |
| 1029 | 0.00717647 |
| 1030 | 0.0072 |
| 1031 | 0.00721429 |
| 1032 | 0.00723077 |
| 1033 | 0.00744444 |
| 1034 | 0.0075 |
| 1035 | 0.00754545 |
| 1036 | 0.007625 |
| 1037 | 0.00771429 |
| 1038 | 0.00776923 |
| 1039 | 0.0078 |
| 1040 | 0.00781818 |
| 1041 | 0.008 |
| 1042 | 0.008 |

| | |
|---|---|
| 1043 | 0.008 |
| 1044 | 0.00813333 |
| 1045 | 0.00817391 |
| 1046 | 0.00833333 |
| 1047 | 0.00833333 |
| 1048 | 0.008375 |
| 1049 | 0.00838095 |
| 1050 | 0.0085 |
| 1051 | 0.00857143 |
| 1052 | 0.00871429 |
| 1053 | 0.00872727 |
| 1054 | 0.0088 |
| 1055 | 0.00888889 |
| 1056 | 0.00888889 |
| 1057 | 0.009 |
| 1058 | 0.00918519 |
| 1059 | 0.00925 |
| 1060 | 0.00933333 |
| 1061 | 0.00933333 |
| 1062 | 0.0095 |
| 1063 | 0.00953846 |
| 1064 | 0.00971429 |
| 1065 | 0.00975 |
| 1066 | 0.00975 |
| 1067 | 0.00977778 |
| 1068 | 0.00988235 |
| 1069 | 0.01 |
| 1070 | 0.01 |
| 1071 | 0.01 |
| 1072 | 0.01 |
| 1073 | 0.0103333 |
| 1074 | 0.0104 |
| 1075 | 0.0105714 |
| 1076 | 0.011 |
| 1077 | 0.011 |
| 1078 | 0.0112222 |
| 1079 | 0.0112727 |
| 1080 | 0.0114286 |
| 1081 | 0.0116667 |
| 1082 | 0.012 |
| 1083 | 0.012 |
| 1084 | 0.012 |
| 1085 | 0.0122 |
| 1086 | 0.0125 |
| 1087 | 0.0125 |
| 1088 | 0.0125333 |
| 1089 | 0.0126667 |
| 1090 | 0.0128889 |
| 1091 | 0.0130526 |
| 1092 | 0.0133333 |
| 1093 | 0.0133333 |
| 1094 | 0.0134 |
| 1095 | 0.0135385 |
| 1096 | 0.014 |
| 1097 | 0.0144286 |
| 1098 | 0.015 |
| 1099 | 0.015 |

| | |
|---|---|
| 1100 | 0.015 |
| 1101 | 0.0152308 |
| 1102 | 0.01525 |
| 1103 | 0.0155 |
| 1104 | 0.0156 |
| 1105 | 0.0157143 |
| 1106 | 0.016 |
| 1107 | 0.016 |
| 1108 | 0.016 |
| 1109 | 0.0162857 |
| 1110 | 0.0165 |
| 1111 | 0.0166667 |
| 1112 | 0.0168333 |
| 1113 | 0.0174286 |
| 1114 | 0.0176 |
| 1115 | 0.018 |
| 1116 | 0.019 |
| 1117 | 0.01925 |
| 1118 | 0.0195 |
| 1119 | 0.0195 |
| 1120 | 0.0196 |
| 1121 | 0.0198 |
| 1122 | 0.02 |
| 1123 | 0.02 |
| 1124 | 0.02 |
| 1125 | 0.02 |
| 1126 | 0.02 |
| 1127 | 0.02 |
| 1128 | 0.021 |
| 1129 | 0.021 |
| 1130 | 0.0216364 |
| 1131 | 0.022 |
| 1132 | 0.0223333 |
| 1133 | 0.023 |
| 1134 | 0.024 |
| 1135 | 0.024 |
| 1136 | 0.024 |
| 1137 | 0.0248 |
| 1138 | 0.025 |
| 1139 | 0.026 |
| 1140 | 0.0266667 |
| 1141 | 0.0275556 |
| 1142 | 0.028 |
| 1143 | 0.028 |
| 1144 | 0.0285714 |
| 1145 | 0.03 |
| 1146 | 0.03 |
| 1147 | 0.0332 |
| 1148 | 0.03325 |
| 1149 | 0.0335 |
| 1150 | 0.035 |
| 1151 | 0.037 |
| 1152 | 0.0373333 |
| 1153 | 0.039 |
| 1154 | 0.04 |
| 1155 | 0.04 |
| 1156 | 0.042 |

| | |
|---|---|
| 1157 | 0.044 |
| 1158 | 0.045 |
| 1159 | 0.0462 |
| 1160 | 0.048 |
| 1161 | 0.05 |
| 1162 | 0.0505 |
| 1163 | 0.0586667 |
| 1164 | 0.06 |
| 1165 | 0.06 |
| 1166 | 0.062 |
| 1167 | 0.064 |
| 1168 | 0.074 |
| 1169 | 0.08 |
| 1170 | 0.08 |
| 1171 | 0.0826667 |
| 1172 | 0.087 |
| 1173 | 0.09 |
| 1174 | 0.12 |
| 1175 | 0.128 |
| 1176 | 0.181 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.11 | 2 |
| 2 | 0.1 | 17 |
| 3 | 0.16 | 2 |
| 4 | 0.18 | 2 |
| 5 | 0.15 | 2 |
| 6 | 0.148 | 2 |
| 7 | 0.117 | 2 |
| 8 | 0.128 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |

| | |
|---|---|
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 10734
B = 0
C = 4080
D = 0
E = 286
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12862.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 186.546
M1 = (1176 - 186.546)/2.0 = 494.727
M2 = (1176 + 186.546)/2.0 + 1 = 682.273
Lower limit is -0.0004 = Q(495)
Upper limit is 0.000142857 = Q(682)
-0.0004 < 0 < 0.000142857 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SS 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/8/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.11 (12/10/2013) | ND<0.1 U (3/12/2013) | (0.11 - 0.1)/(4 - 1) | 0.00333333 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(11 - 1) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(12 - 1) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (3/12/2013) | (0.23 - 0.1)/(13 - 1) | 0.0108333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (3/12/2013) | (0.12 - 0.1)/(16 - 1) | 0.00133333 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(17 - 1) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(20 - 1) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(23 - 1) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(24 - 1) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(25 - 1) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (3/12/2013) | (0.17 - 0.1)/(27 - 1) | 0.00269231 |
| 0.2 (10/29/2019) | ND<0.1 U (3/12/2013) | (0.2 - 0.1)/(28 - 1) | 0.0037037 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(29 - 1) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(30 - 1) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(32 - 1) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(35 - 1) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(38 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(39 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(40 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/12/2013) | (0.1 - 0.1)/(41 - 1) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (3/12/2013) | (0.0486 - 0.1)/(42 - 1) | -0.00125366 |
| 0.0971 (8/7/2023) | ND<0.1 U (3/12/2013) | (0.0971 - 0.1)/(43 - 1) | -6.90476e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/12/2013) | (0.035 - 0.1)/(44 - 1) | -0.00151163 |
| 0.0715 (1/10/2024) | ND<0.1 U (3/12/2013) | (0.0715 - 0.1)/(45 - 1) | -0.000647727 |
| 0.0743 (5/21/2024) | ND<0.1 U (3/12/2013) | (0.0743 - 0.1)/(46 - 1) | -0.000571111 |
| 0.0875 (9/16/2024) | ND<0.1 U (3/12/2013) | (0.0875 - 0.1)/(47 - 1) | -0.000271739 |
| 0.0407 (12/11/2024) | ND<0.1 U (3/12/2013) | (0.0407 - 0.1)/(48 - 1) | -0.0012617 |
| 0.0751 (2/18/2025) | ND<0.1 U (3/12/2013) | (0.0751 - 0.1)/(49 - 1) | -0.00051875 |

| | | | |
|---|---|---|---|
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.11 (12/10/2013) | ND<0.1 U (5/8/2013) | (0.11 - 0.1)/(4 - 2) | 0.005 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(11 - 2) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(12 - 2) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (5/8/2013) | (0.23 - 0.1)/(13 - 2) | 0.0118182 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (5/8/2013) | (0.12 - 0.1)/(16 - 2) | 0.00142857 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(17 - 2) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(20 - 2) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(23 - 2) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(24 - 2) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(25 - 2) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (5/8/2013) | (0.17 - 0.1)/(27 - 2) | 0.0028 |
| 0.2 (10/29/2019) | ND<0.1 U (5/8/2013) | (0.2 - 0.1)/(28 - 2) | 0.00384615 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(29 - 2) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(30 - 2) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(32 - 2) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(35 - 2) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(36 - 2) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(38 - 2) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(39 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(40 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/8/2013) | (0.1 - 0.1)/(41 - 2) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (5/8/2013) | (0.0486 - 0.1)/(42 - 2) | -0.001285 |
| 0.0971 (8/7/2023) | ND<0.1 U (5/8/2013) | (0.0971 - 0.1)/(43 - 2) | -7.07317e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (5/8/2013) | (0.035 - 0.1)/(44 - 2) | -0.00154762 |
| 0.0715 (1/10/2024) | ND<0.1 U (5/8/2013) | (0.0715 - 0.1)/(45 - 2) | -0.000662791 |
| 0.0743 (5/21/2024) | ND<0.1 U (5/8/2013) | (0.0743 - 0.1)/(46 - 2) | -0.000584091 |
| 0.0875 (9/16/2024) | ND<0.1 U (5/8/2013) | (0.0875 - 0.1)/(47 - 2) | -0.000277778 |
| 0.0407 (12/11/2024) | ND<0.1 U (5/8/2013) | (0.0407 - 0.1)/(48 - 2) | -0.00128913 |
| 0.0751 (2/18/2025) | ND<0.1 U (5/8/2013) | (0.0751 - 0.1)/(49 - 2) | -0.000529787 |
| | | | |
| 0.11 (12/10/2013) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(4 - 3) | 0.01 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(11 - 3) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(12 - 3) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (9/23/2013) | (0.23 - 0.1)/(13 - 3) | 0.013 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.12 - 0.1)/(16 - 3) | 0.00153846 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(17 - 3) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(20 - 3) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(23 - 3) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(24 - 3) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(25 - 3) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (9/23/2013) | (0.17 - 0.1)/(27 - 3) | 0.00291667 |
| 0.2 (10/29/2019) | ND<0.1 U (9/23/2013) | (0.2 - 0.1)/(28 - 3) | 0.004 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(29 - 3) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(30 - 3) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(32 - 3) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(38 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(39 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(40 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(41 - 3) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (9/23/2013) | (0.0486 - 0.1)/(42 - 3) | -0.00131795 |
| 0.0971 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.0971 - 0.1)/(43 - 3) | -7.25e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/23/2013) | (0.035 - 0.1)/(44 - 3) | -0.00158537 |
| 0.0715 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.0715 - 0.1)/(45 - 3) | -0.000678571 |
| 0.0743 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.0743 - 0.1)/(46 - 3) | -0.000597674 |
| 0.0875 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.0875 - 0.1)/(47 - 3) | -0.000284091 |
| 0.0407 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.0407 - 0.1)/(48 - 3) | -0.00131778 |
| 0.0751 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.0751 - 0.1)/(49 - 3) | -0.000541304 |
| | | | |
| ND<0.1 U (2/6/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(5 - 4) | -0.01 |
| ND<0.1 U (6/26/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(6 - 4) | -0.005 |
| ND<0.1 U (9/30/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(7 - 4) | -0.00333333 |
| ND<0.1 U (11/19/2014) | 0.11 (12/10/2013) | (0.1 - 0.11)/(8 - 4) | -0.0025 |
| ND<0.1 U (3/23/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(9 - 4) | -0.002 |
| ND<0.1 U (4/22/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(10 - 4) | -0.00166667 |
| ND<0.1 U (9/30/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(11 - 4) | -0.00142857 |
| ND<0.1 U (11/19/2015) | 0.11 (12/10/2013) | (0.1 - 0.11)/(12 - 4) | -0.00125 |
| 0.23 (3/15/2016) | 0.11 (12/10/2013) | (0.23 - 0.11)/(13 - 4) | 0.0133333 |
| ND<0.1 U (6/29/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(14 - 4) | -0.001 |
| ND<0.1 U (8/9/2016) | 0.11 (12/10/2013) | (0.1 - 0.11)/(15 - 4) | -0.000909091 |
| 0.12 (12/7/2016) | 0.11 (12/10/2013) | (0.12 - 0.11)/(16 - 4) | 0.000833333 |
| ND<0.1 U (3/2/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(17 - 4) | -0.000769231 |
| ND<0.1 U (7/5/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(18 - 4) | -0.000714286 |
| ND<0.1 U (8/16/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(19 - 4) | -0.000666667 |
| ND<0.1 U (10/25/2017) | 0.11 (12/10/2013) | (0.1 - 0.11)/(20 - 4) | -0.000625 |
| ND<0.1 U (3/28/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(21 - 4) | -0.000588235 |
| ND<0.1 U (6/29/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(22 - 4) | -0.000555556 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(23 - 4) | -0.000526316 |
| ND<0.1 U (12/10/2018) | 0.11 (12/10/2013) | (0.1 - 0.11)/(24 - 4) | -0.0005 |
| ND<0.1 U (4/15/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(25 - 4) | -0.00047619 |
| ND<0.1 U (6/12/2019) | 0.11 (12/10/2013) | (0.1 - 0.11)/(26 - 4) | -0.000454545 |
| 0.17 (8/27/2019) | 0.11 (12/10/2013) | (0.17 - 0.11)/(27 - 4) | 0.0026087 |
| 0.2 (10/29/2019) | 0.11 (12/10/2013) | (0.2 - 0.11)/(28 - 4) | 0.00375 |
| ND<0.1 U (3/30/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(29 - 4) | -0.0004 |
| ND<0.1 U (6/16/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(30 - 4) | -0.000384615 |
| ND<0.1 U (9/21/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(31 - 4) | -0.00037037 |
| ND<0.1 U (12/17/2020) | 0.11 (12/10/2013) | (0.1 - 0.11)/(32 - 4) | -0.000357143 |
| ND<0.1 U (3/18/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(33 - 4) | -0.000344828 |
| ND<0.1 U (5/5/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(34 - 4) | -0.000333333 |
| ND<0.1 U (9/2/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(35 - 4) | -0.000322581 |
| ND<0.1 U (11/23/2021) | 0.11 (12/10/2013) | (0.1 - 0.11)/(36 - 4) | -0.0003125 |
| ND<0.1 U (1/11/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(37 - 4) | -0.00030303 |
| ND<0.1 U (4/7/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(38 - 4) | -0.000294118 |
| ND<0.1 U (8/2/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(39 - 4) | -0.000285714 |
| ND<0.1 U (11/16/2022) | 0.11 (12/10/2013) | (0.1 - 0.11)/(40 - 4) | -0.000277778 |
| ND<0.1 U (2/14/2023) | 0.11 (12/10/2013) | (0.1 - 0.11)/(41 - 4) | -0.00027027 |
| 0.0486 (5/25/2023) | 0.11 (12/10/2013) | (0.0486 - 0.11)/(42 - 4) | -0.00161579 |
| 0.0971 (8/7/2023) | 0.11 (12/10/2013) | (0.0971 - 0.11)/(43 - 4) | -0.000330769 |
| ND<0.035 U (12/12/2023) | 0.11 (12/10/2013) | (0.035 - 0.11)/(44 - 4) | -0.001875 |
| 0.0715 (1/10/2024) | 0.11 (12/10/2013) | (0.0715 - 0.11)/(45 - 4) | -0.000939024 |
| 0.0743 (5/21/2024) | 0.11 (12/10/2013) | (0.0743 - 0.11)/(46 - 4) | -0.00085 |
| 0.0875 (9/16/2024) | 0.11 (12/10/2013) | (0.0875 - 0.11)/(47 - 4) | -0.000523256 |
| 0.0407 (12/11/2024) | 0.11 (12/10/2013) | (0.0407 - 0.11)/(48 - 4) | -0.001575 |
| 0.0751 (2/18/2025) | 0.11 (12/10/2013) | (0.0751 - 0.11)/(49 - 4) | -0.000775556 |

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|---|---|---|---|
| ND<0.1 U (6/26/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(11 - 5) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(12 - 5) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (2/6/2014) | (0.23 - 0.1)/(13 - 5) | 0.01625 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (2/6/2014) | (0.12 - 0.1)/(16 - 5) | 0.00181818 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(17 - 5) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(18 - 5) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(20 - 5) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(21 - 5) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(22 - 5) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(23 - 5) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(24 - 5) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(25 - 5) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (2/6/2014) | (0.17 - 0.1)/(27 - 5) | 0.00318182 |
| 0.2 (10/29/2019) | ND<0.1 U (2/6/2014) | (0.2 - 0.1)/(28 - 5) | 0.00434783 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(29 - 5) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(30 - 5) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(32 - 5) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(34 - 5) | 0 |

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|---|---|---|---|
| ND<0.1 U (9/2/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(35 - 5) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(36 - 5) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(37 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(38 - 5) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(39 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(40 - 5) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(41 - 5) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (2/6/2014) | (0.0486 - 0.1)/(42 - 5) | -0.00138919 |
| 0.0971 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.0971 - 0.1)/(43 - 5) | -7.63158e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (2/6/2014) | (0.035 - 0.1)/(44 - 5) | -0.00166667 |
| 0.0715 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.0715 - 0.1)/(45 - 5) | -0.0007125 |
| 0.0743 (5/21/2024) | ND<0.1 U (2/6/2014) | (0.0743 - 0.1)/(46 - 5) | -0.000626829 |
| 0.0875 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.0875 - 0.1)/(47 - 5) | -0.000297619 |
| 0.0407 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.0407 - 0.1)/(48 - 5) | -0.00137907 |
| 0.0751 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.0751 - 0.1)/(49 - 5) | -0.000565909 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(11 - 6) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(12 - 6) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (6/26/2014) | (0.23 - 0.1)/(13 - 6) | 0.0185714 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.12 - 0.1)/(16 - 6) | 0.002 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(17 - 6) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(20 - 6) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(21 - 6) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(23 - 6) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(24 - 6) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(25 - 6) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (6/26/2014) | (0.17 - 0.1)/(27 - 6) | 0.00333333 |
| 0.2 (10/29/2019) | ND<0.1 U (6/26/2014) | (0.2 - 0.1)/(28 - 6) | 0.00454545 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(29 - 6) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(30 - 6) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(32 - 6) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(33 - 6) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(37 - 6) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(38 - 6) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(39 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(40 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(41 - 6) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (6/26/2014) | (0.0486 - 0.1)/(42 - 6) | -0.00142778 |
| 0.0971 (8/7/2023) | ND<0.1 U (6/26/2014) | (0.0971 - 0.1)/(43 - 6) | -7.83784e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/26/2014) | (0.035 - 0.1)/(44 - 6) | -0.00171053 |
| 0.0715 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.0715 - 0.1)/(45 - 6) | -0.000730769 |
| 0.0743 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.0743 - 0.1)/(46 - 6) | -0.0006425 |
| 0.0875 (9/16/2024) | ND<0.1 U (6/26/2014) | (0.0875 - 0.1)/(47 - 6) | -0.000304878 |

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|---|---|---|---|
| 0.0407 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.0407 - 0.1)/(48 - 6) | -0.0014119 |
| 0.0751 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.0751 - 0.1)/(49 - 6) | -0.00057907 |
| | | | |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(11 - 7) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(12 - 7) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (9/30/2014) | (0.23 - 0.1)/(13 - 7) | 0.0216667 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.12 - 0.1)/(16 - 7) | 0.00222222 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(17 - 7) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(20 - 7) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 7) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(23 - 7) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(24 - 7) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(25 - 7) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (9/30/2014) | (0.17 - 0.1)/(27 - 7) | 0.0035 |
| 0.2 (10/29/2019) | ND<0.1 U (9/30/2014) | (0.2 - 0.1)/(28 - 7) | 0.0047619 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(29 - 7) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(30 - 7) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(32 - 7) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 7) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(38 - 7) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(39 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(40 - 7) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(41 - 7) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (9/30/2014) | (0.0486 - 0.1)/(42 - 7) | -0.00146857 |
| 0.0971 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.0971 - 0.1)/(43 - 7) | -8.05556e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/30/2014) | (0.035 - 0.1)/(44 - 7) | -0.00175676 |
| 0.0715 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.0715 - 0.1)/(45 - 7) | -0.00075 |
| 0.0743 (5/21/2024) | ND<0.1 U (9/30/2014) | (0.0743 - 0.1)/(46 - 7) | -0.000658974 |
| 0.0875 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.0875 - 0.1)/(47 - 7) | -0.0003125 |
| 0.0407 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.0407 - 0.1)/(48 - 7) | -0.00144634 |
| 0.0751 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.0751 - 0.1)/(49 - 7) | -0.000592857 |
| | | | |
| ND<0.1 U (3/23/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(10 - 8) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(11 - 8) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(12 - 8) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (11/19/2014) | (0.23 - 0.1)/(13 - 8) | 0.026 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (11/19/2014) | (0.12 - 0.1)/(16 - 8) | 0.0025 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(17 - 8) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(18 - 8) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(19 - 8) | 0 |

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|---|---|---|---|
| ND<0.1 U (10/25/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(20 - 8) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(21 - 8) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(22 - 8) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(23 - 8) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(24 - 8) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(25 - 8) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(26 - 8) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (11/19/2014) | (0.17 - 0.1)/(27 - 8) | 0.00368421 |
| 0.2 (10/29/2019) | ND<0.1 U (11/19/2014) | (0.2 - 0.1)/(28 - 8) | 0.005 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(29 - 8) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(30 - 8) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(31 - 8) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(32 - 8) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(33 - 8) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(34 - 8) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(35 - 8) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(36 - 8) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(37 - 8) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(38 - 8) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(39 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(40 - 8) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(41 - 8) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (11/19/2014) | (0.0486 - 0.1)/(42 - 8) | -0.00151176 |
| 0.0971 (8/7/2023) | ND<0.1 U (11/19/2014) | (0.0971 - 0.1)/(43 - 8) | -8.28571e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/19/2014) | (0.035 - 0.1)/(44 - 8) | -0.00180556 |
| 0.0715 (1/10/2024) | ND<0.1 U (11/19/2014) | (0.0715 - 0.1)/(45 - 8) | -0.00077027 |
| 0.0743 (5/21/2024) | ND<0.1 U (11/19/2014) | (0.0743 - 0.1)/(46 - 8) | -0.000676316 |
| 0.0875 (9/16/2024) | ND<0.1 U (11/19/2014) | (0.0875 - 0.1)/(47 - 8) | -0.000320513 |
| 0.0407 (12/11/2024) | ND<0.1 U (11/19/2014) | (0.0407 - 0.1)/(48 - 8) | -0.0014825 |
| 0.0751 (2/18/2025) | ND<0.1 U (11/19/2014) | (0.0751 - 0.1)/(49 - 8) | -0.000607317 |
| | | | |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |
| ND<0.1 U (9/30/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(11 - 9) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(12 - 9) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (3/23/2015) | (0.23 - 0.1)/(13 - 9) | 0.0325 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (3/23/2015) | (0.12 - 0.1)/(16 - 9) | 0.00285714 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(17 - 9) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(20 - 9) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(23 - 9) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(24 - 9) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(25 - 9) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (3/23/2015) | (0.17 - 0.1)/(27 - 9) | 0.00388889 |
| 0.2 (10/29/2019) | ND<0.1 U (3/23/2015) | (0.2 - 0.1)/(28 - 9) | 0.00526316 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(29 - 9) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(30 - 9) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(32 - 9) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(35 - 9) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(36 - 9) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(38 - 9) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(39 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(40 - 9) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(41 - 9) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (3/23/2015) | (0.0486 - 0.1)/(42 - 9) | -0.00155758 |
| 0.0971 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.0971 - 0.1)/(43 - 9) | -8.52941e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/23/2015) | (0.035 - 0.1)/(44 - 9) | -0.00185714 |
| 0.0715 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.0715 - 0.1)/(45 - 9) | -0.000791667 |
| 0.0743 (5/21/2024) | ND<0.1 U (3/23/2015) | (0.0743 - 0.1)/(46 - 9) | -0.000694595 |
| 0.0875 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.0875 - 0.1)/(47 - 9) | -0.000328947 |
| 0.0407 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.0407 - 0.1)/(48 - 9) | -0.00152051 |
| 0.0751 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.0751 - 0.1)/(49 - 9) | -0.0006225 |
| | | | |
| ND<0.1 U (9/30/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(11 - 10) | 0 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(12 - 10) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (4/22/2015) | (0.23 - 0.1)/(13 - 10) | 0.0433333 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (4/22/2015) | (0.12 - 0.1)/(16 - 10) | 0.00333333 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(17 - 10) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(20 - 10) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(23 - 10) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(24 - 10) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(25 - 10) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (4/22/2015) | (0.17 - 0.1)/(27 - 10) | 0.00411765 |
| 0.2 (10/29/2019) | ND<0.1 U (4/22/2015) | (0.2 - 0.1)/(28 - 10) | 0.00555556 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(29 - 10) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(30 - 10) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(32 - 10) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(35 - 10) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(36 - 10) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(38 - 10) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(39 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(40 - 10) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(41 - 10) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (4/22/2015) | (0.0486 - 0.1)/(42 - 10) | -0.00160625 |
| 0.0971 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.0971 - 0.1)/(43 - 10) | -8.78788e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (4/22/2015) | (0.035 - 0.1)/(44 - 10) | -0.00191176 |
| 0.0715 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.0715 - 0.1)/(45 - 10) | -0.000814286 |
| 0.0743 (5/21/2024) | ND<0.1 U (4/22/2015) | (0.0743 - 0.1)/(46 - 10) | -0.000713889 |
| 0.0875 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.0875 - 0.1)/(47 - 10) | -0.000337838 |
| 0.0407 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.0407 - 0.1)/(48 - 10) | -0.00156053 |
| 0.0751 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.0751 - 0.1)/(49 - 10) | -0.000638462 |
| | | | |
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(12 - 11) | 0 |
| 0.23 (3/15/2016) | ND<0.1 U (9/30/2015) | (0.23 - 0.1)/(13 - 11) | 0.065 |

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|---|---|---|---|
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(14 - 11) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(15 - 11) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (9/30/2015) | (0.12 - 0.1)/(16 - 11) | 0.004 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(17 - 11) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(18 - 11) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(19 - 11) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(20 - 11) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(21 - 11) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(22 - 11) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(23 - 11) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(24 - 11) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(25 - 11) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(26 - 11) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (9/30/2015) | (0.17 - 0.1)/(27 - 11) | 0.004375 |
| 0.2 (10/29/2019) | ND<0.1 U (9/30/2015) | (0.2 - 0.1)/(28 - 11) | 0.00588235 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(29 - 11) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(30 - 11) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(31 - 11) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(32 - 11) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(33 - 11) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(34 - 11) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(35 - 11) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(36 - 11) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(37 - 11) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(38 - 11) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(39 - 11) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(40 - 11) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2015) | (0.1 - 0.1)/(41 - 11) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (9/30/2015) | (0.0486 - 0.1)/(42 - 11) | -0.00165806 |
| 0.0971 (8/7/2023) | ND<0.1 U (9/30/2015) | (0.0971 - 0.1)/(43 - 11) | -9.0625e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/30/2015) | (0.035 - 0.1)/(44 - 11) | -0.0019697 |
| 0.0715 (1/10/2024) | ND<0.1 U (9/30/2015) | (0.0715 - 0.1)/(45 - 11) | -0.000838235 |
| 0.0743 (5/21/2024) | ND<0.1 U (9/30/2015) | (0.0743 - 0.1)/(46 - 11) | -0.000734286 |
| 0.0875 (9/16/2024) | ND<0.1 U (9/30/2015) | (0.0875 - 0.1)/(47 - 11) | -0.000347222 |
| 0.0407 (12/11/2024) | ND<0.1 U (9/30/2015) | (0.0407 - 0.1)/(48 - 11) | -0.0016027 |
| 0.0751 (2/18/2025) | ND<0.1 U (9/30/2015) | (0.0751 - 0.1)/(49 - 11) | -0.000655263 |

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|---|---|---|---|
| 0.23 (3/15/2016) | ND<0.1 U (11/19/2015) | (0.23 - 0.1)/(13 - 12) | 0.13 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(14 - 12) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(15 - 12) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (11/19/2015) | (0.12 - 0.1)/(16 - 12) | 0.005 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(17 - 12) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(18 - 12) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(19 - 12) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(20 - 12) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(21 - 12) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(22 - 12) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(23 - 12) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(24 - 12) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(25 - 12) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(26 - 12) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (11/19/2015) | (0.17 - 0.1)/(27 - 12) | 0.00466667 |
| 0.2 (10/29/2019) | ND<0.1 U (11/19/2015) | (0.2 - 0.1)/(28 - 12) | 0.00625 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(29 - 12) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(30 - 12) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(31 - 12) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(32 - 12) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(33 - 12) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(34 - 12) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(35 - 12) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(36 - 12) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(37 - 12) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(38 - 12) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(39 - 12) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(40 - 12) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(41 - 12) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (11/19/2015) | (0.0486 - 0.1)/(42 - 12) | -0.00171333 |
| 0.0971 (8/7/2023) | ND<0.1 U (11/19/2015) | (0.0971 - 0.1)/(43 - 12) | -9.35484e-05 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/19/2015) | (0.035 - 0.1)/(44 - 12) | -0.00203125 |
| 0.0715 (1/10/2024) | ND<0.1 U (11/19/2015) | (0.0715 - 0.1)/(45 - 12) | -0.000863636 |
| 0.0743 (5/21/2024) | ND<0.1 U (11/19/2015) | (0.0743 - 0.1)/(46 - 12) | -0.000755882 |
| 0.0875 (9/16/2024) | ND<0.1 U (11/19/2015) | (0.0875 - 0.1)/(47 - 12) | -0.000357143 |
| 0.0407 (12/11/2024) | ND<0.1 U (11/19/2015) | (0.0407 - 0.1)/(48 - 12) | -0.00164722 |
| 0.0751 (2/18/2025) | ND<0.1 U (11/19/2015) | (0.0751 - 0.1)/(49 - 12) | -0.000672973 |
| | | | |
| ND<0.1 U (6/29/2016) | 0.23 (3/15/2016) | (0.1 - 0.23)/(14 - 13) | -0.13 |
| ND<0.1 U (8/9/2016) | 0.23 (3/15/2016) | (0.1 - 0.23)/(15 - 13) | -0.065 |
| 0.12 (12/7/2016) | 0.23 (3/15/2016) | (0.12 - 0.23)/(16 - 13) | -0.0366667 |
| ND<0.1 U (3/2/2017) | 0.23 (3/15/2016) | (0.1 - 0.23)/(17 - 13) | -0.0325 |
| ND<0.1 U (7/5/2017) | 0.23 (3/15/2016) | (0.1 - 0.23)/(18 - 13) | -0.026 |
| ND<0.1 U (8/16/2017) | 0.23 (3/15/2016) | (0.1 - 0.23)/(19 - 13) | -0.0216667 |
| ND<0.1 U (10/25/2017) | 0.23 (3/15/2016) | (0.1 - 0.23)/(20 - 13) | -0.0185714 |
| ND<0.1 U (3/28/2018) | 0.23 (3/15/2016) | (0.1 - 0.23)/(21 - 13) | -0.01625 |
| ND<0.1 U (6/29/2018) | 0.23 (3/15/2016) | (0.1 - 0.23)/(22 - 13) | -0.0144444 |
| ND<0.1 U (8/2/2018) | 0.23 (3/15/2016) | (0.1 - 0.23)/(23 - 13) | -0.013 |
| ND<0.1 U (12/10/2018) | 0.23 (3/15/2016) | (0.1 - 0.23)/(24 - 13) | -0.0118182 |
| ND<0.1 U (4/15/2019) | 0.23 (3/15/2016) | (0.1 - 0.23)/(25 - 13) | -0.0108333 |
| ND<0.1 U (6/12/2019) | 0.23 (3/15/2016) | (0.1 - 0.23)/(26 - 13) | -0.01 |
| 0.17 (8/27/2019) | 0.23 (3/15/2016) | (0.17 - 0.23)/(27 - 13) | -0.00428571 |
| 0.2 (10/29/2019) | 0.23 (3/15/2016) | (0.2 - 0.23)/(28 - 13) | -0.002 |
| ND<0.1 U (3/30/2020) | 0.23 (3/15/2016) | (0.1 - 0.23)/(29 - 13) | -0.008125 |
| ND<0.1 U (6/16/2020) | 0.23 (3/15/2016) | (0.1 - 0.23)/(30 - 13) | -0.00764706 |
| ND<0.1 U (9/21/2020) | 0.23 (3/15/2016) | (0.1 - 0.23)/(31 - 13) | -0.00722222 |
| ND<0.1 U (12/17/2020) | 0.23 (3/15/2016) | (0.1 - 0.23)/(32 - 13) | -0.00684211 |
| ND<0.1 U (3/18/2021) | 0.23 (3/15/2016) | (0.1 - 0.23)/(33 - 13) | -0.0065 |
| ND<0.1 U (5/5/2021) | 0.23 (3/15/2016) | (0.1 - 0.23)/(34 - 13) | -0.00619048 |
| ND<0.1 U (9/2/2021) | 0.23 (3/15/2016) | (0.1 - 0.23)/(35 - 13) | -0.00590909 |
| ND<0.1 U (11/23/2021) | 0.23 (3/15/2016) | (0.1 - 0.23)/(36 - 13) | -0.00565217 |
| ND<0.1 U (1/11/2022) | 0.23 (3/15/2016) | (0.1 - 0.23)/(37 - 13) | -0.00541667 |
| ND<0.1 U (4/7/2022) | 0.23 (3/15/2016) | (0.1 - 0.23)/(38 - 13) | -0.0052 |
| ND<0.1 U (8/2/2022) | 0.23 (3/15/2016) | (0.1 - 0.23)/(39 - 13) | -0.005 |
| ND<0.1 U (11/16/2022) | 0.23 (3/15/2016) | (0.1 - 0.23)/(40 - 13) | -0.00481481 |
| ND<0.1 U (2/14/2023) | 0.23 (3/15/2016) | (0.1 - 0.23)/(41 - 13) | -0.00464286 |
| 0.0486 (5/25/2023) | 0.23 (3/15/2016) | (0.0486 - 0.23)/(42 - 13) | -0.00625517 |
| 0.0971 (8/7/2023) | 0.23 (3/15/2016) | (0.0971 - 0.23)/(43 - 13) | -0.00443 |
| ND<0.035 U (12/12/2023) | 0.23 (3/15/2016) | (0.035 - 0.23)/(44 - 13) | -0.00629032 |
| 0.0715 (1/10/2024) | 0.23 (3/15/2016) | (0.0715 - 0.23)/(45 - 13) | -0.00495313 |
| 0.0743 (5/21/2024) | 0.23 (3/15/2016) | (0.0743 - 0.23)/(46 - 13) | -0.00471818 |
| 0.0875 (9/16/2024) | 0.23 (3/15/2016) | (0.0875 - 0.23)/(47 - 13) | -0.00419118 |
| 0.0407 (12/11/2024) | 0.23 (3/15/2016) | (0.0407 - 0.23)/(48 - 13) | -0.00540857 |
| 0.0751 (2/18/2025) | 0.23 (3/15/2016) | (0.0751 - 0.23)/(49 - 13) | -0.00430278 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.12 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.12 - 0.1)/(16 - 14) | 0.01 |

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|---|---|---|---|
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(17 - 14) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(20 - 14) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(23 - 14) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(24 - 14) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(25 - 14) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (6/29/2016) | (0.17 - 0.1)/(27 - 14) | 0.00538462 |
| 0.2 (10/29/2019) | ND<0.1 U (6/29/2016) | (0.2 - 0.1)/(28 - 14) | 0.00714286 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(29 - 14) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(30 - 14) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(32 - 14) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(38 - 14) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(39 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(40 - 14) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(41 - 14) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (6/29/2016) | (0.0486 - 0.1)/(42 - 14) | -0.00183571 |
| 0.0971 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.0971 - 0.1)/(43 - 14) | -0.0001 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/29/2016) | (0.035 - 0.1)/(44 - 14) | -0.00216667 |
| 0.0715 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.0715 - 0.1)/(45 - 14) | -0.000919355 |
| 0.0743 (5/21/2024) | ND<0.1 U (6/29/2016) | (0.0743 - 0.1)/(46 - 14) | -0.000803125 |
| 0.0875 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.0875 - 0.1)/(47 - 14) | -0.000378788 |
| 0.0407 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.0407 - 0.1)/(48 - 14) | -0.00174412 |
| 0.0751 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.0751 - 0.1)/(49 - 14) | -0.000711429 |
| | | | |
| 0.12 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.12 - 0.1)/(16 - 15) | 0.02 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(17 - 15) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(20 - 15) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(23 - 15) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(24 - 15) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(25 - 15) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (8/9/2016) | (0.17 - 0.1)/(27 - 15) | 0.00583333 |
| 0.2 (10/29/2019) | ND<0.1 U (8/9/2016) | (0.2 - 0.1)/(28 - 15) | 0.00769231 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(29 - 15) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(30 - 15) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(32 - 15) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(38 - 15) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(39 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(40 - 15) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(41 - 15) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (8/9/2016) | (0.0486 - 0.1)/(42 - 15) | -0.0019037 |
| 0.0971 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.0971 - 0.1)/(43 - 15) | -0.000103571 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/9/2016) | (0.035 - 0.1)/(44 - 15) | -0.00224138 |
| 0.0715 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.0715 - 0.1)/(45 - 15) | -0.00095 |
| 0.0743 (5/21/2024) | ND<0.1 U (8/9/2016) | (0.0743 - 0.1)/(46 - 15) | -0.000829032 |
| 0.0875 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.0875 - 0.1)/(47 - 15) | -0.000390625 |
| 0.0407 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.0407 - 0.1)/(48 - 15) | -0.00179697 |
| 0.0751 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.0751 - 0.1)/(49 - 15) | -0.000732353 |
| | | | |
| ND<0.1 U (3/2/2017) | 0.12 (12/7/2016) | (0.1 - 0.12)/(17 - 16) | -0.02 |
| ND<0.1 U (7/5/2017) | 0.12 (12/7/2016) | (0.1 - 0.12)/(18 - 16) | -0.01 |
| ND<0.1 U (8/16/2017) | 0.12 (12/7/2016) | (0.1 - 0.12)/(19 - 16) | -0.00666667 |
| ND<0.1 U (10/25/2017) | 0.12 (12/7/2016) | (0.1 - 0.12)/(20 - 16) | -0.005 |
| ND<0.1 U (3/28/2018) | 0.12 (12/7/2016) | (0.1 - 0.12)/(21 - 16) | -0.004 |
| ND<0.1 U (6/29/2018) | 0.12 (12/7/2016) | (0.1 - 0.12)/(22 - 16) | -0.00333333 |
| ND<0.1 U (8/2/2018) | 0.12 (12/7/2016) | (0.1 - 0.12)/(23 - 16) | -0.00285714 |
| ND<0.1 U (12/10/2018) | 0.12 (12/7/2016) | (0.1 - 0.12)/(24 - 16) | -0.0025 |
| ND<0.1 U (4/15/2019) | 0.12 (12/7/2016) | (0.1 - 0.12)/(25 - 16) | -0.00222222 |
| ND<0.1 U (6/12/2019) | 0.12 (12/7/2016) | (0.1 - 0.12)/(26 - 16) | -0.002 |
| 0.17 (8/27/2019) | 0.12 (12/7/2016) | (0.17 - 0.12)/(27 - 16) | 0.00454545 |
| 0.2 (10/29/2019) | 0.12 (12/7/2016) | (0.2 - 0.12)/(28 - 16) | 0.00666667 |
| ND<0.1 U (3/30/2020) | 0.12 (12/7/2016) | (0.1 - 0.12)/(29 - 16) | -0.00153846 |
| ND<0.1 U (6/16/2020) | 0.12 (12/7/2016) | (0.1 - 0.12)/(30 - 16) | -0.00142857 |
| ND<0.1 U (9/21/2020) | 0.12 (12/7/2016) | (0.1 - 0.12)/(31 - 16) | -0.00133333 |
| ND<0.1 U (12/17/2020) | 0.12 (12/7/2016) | (0.1 - 0.12)/(32 - 16) | -0.00125 |
| ND<0.1 U (3/18/2021) | 0.12 (12/7/2016) | (0.1 - 0.12)/(33 - 16) | -0.00117647 |
| ND<0.1 U (5/5/2021) | 0.12 (12/7/2016) | (0.1 - 0.12)/(34 - 16) | -0.00111111 |
| ND<0.1 U (9/2/2021) | 0.12 (12/7/2016) | (0.1 - 0.12)/(35 - 16) | -0.00105263 |
| ND<0.1 U (11/23/2021) | 0.12 (12/7/2016) | (0.1 - 0.12)/(36 - 16) | -0.001 |
| ND<0.1 U (1/11/2022) | 0.12 (12/7/2016) | (0.1 - 0.12)/(37 - 16) | -0.000952381 |
| ND<0.1 U (4/7/2022) | 0.12 (12/7/2016) | (0.1 - 0.12)/(38 - 16) | -0.000909091 |
| ND<0.1 U (8/2/2022) | 0.12 (12/7/2016) | (0.1 - 0.12)/(39 - 16) | -0.000869565 |
| ND<0.1 U (11/16/2022) | 0.12 (12/7/2016) | (0.1 - 0.12)/(40 - 16) | -0.000833333 |
| ND<0.1 U (2/14/2023) | 0.12 (12/7/2016) | (0.1 - 0.12)/(41 - 16) | -0.0008 |
| 0.0486 (5/25/2023) | 0.12 (12/7/2016) | (0.0486 - 0.12)/(42 - 16) | -0.00274615 |
| 0.0971 (8/7/2023) | 0.12 (12/7/2016) | (0.0971 - 0.12)/(43 - 16) | -0.000848148 |
| ND<0.035 U (12/12/2023) | 0.12 (12/7/2016) | (0.035 - 0.12)/(44 - 16) | -0.00303571 |
| 0.0715 (1/10/2024) | 0.12 (12/7/2016) | (0.0715 - 0.12)/(45 - 16) | -0.00167241 |
| 0.0743 (5/21/2024) | 0.12 (12/7/2016) | (0.0743 - 0.12)/(46 - 16) | -0.00152333 |
| 0.0875 (9/16/2024) | 0.12 (12/7/2016) | (0.0875 - 0.12)/(47 - 16) | -0.00104839 |
| 0.0407 (12/11/2024) | 0.12 (12/7/2016) | (0.0407 - 0.12)/(48 - 16) | -0.00247812 |
| 0.0751 (2/18/2025) | 0.12 (12/7/2016) | (0.0751 - 0.12)/(49 - 16) | -0.00136061 |
| | | | |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(18 - 17) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(19 - 17) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(20 - 17) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(21 - 17) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(22 - 17) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(23 - 17) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(24 - 17) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(25 - 17) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(26 - 17) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (3/2/2017) | (0.17 - 0.1)/(27 - 17) | 0.007 |
| 0.2 (10/29/2019) | ND<0.1 U (3/2/2017) | (0.2 - 0.1)/(28 - 17) | 0.00909091 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(29 - 17) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(30 - 17) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(31 - 17) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(32 - 17) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(33 - 17) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(34 - 17) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(35 - 17) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(36 - 17) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(37 - 17) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(38 - 17) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(39 - 17) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(40 - 17) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(41 - 17) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (3/2/2017) | (0.0486 - 0.1)/(42 - 17) | -0.002056 |
| 0.0971 (8/7/2023) | ND<0.1 U (3/2/2017) | (0.0971 - 0.1)/(43 - 17) | -0.000111538 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/2/2017) | (0.035 - 0.1)/(44 - 17) | -0.00240741 |
| 0.0715 (1/10/2024) | ND<0.1 U (3/2/2017) | (0.0715 - 0.1)/(45 - 17) | -0.00101786 |
| 0.0743 (5/21/2024) | ND<0.1 U (3/2/2017) | (0.0743 - 0.1)/(46 - 17) | -0.000886207 |
| 0.0875 (9/16/2024) | ND<0.1 U (3/2/2017) | (0.0875 - 0.1)/(47 - 17) | -0.000416667 |
| 0.0407 (12/11/2024) | ND<0.1 U (3/2/2017) | (0.0407 - 0.1)/(48 - 17) | -0.0019129 |
| 0.0751 (2/18/2025) | ND<0.1 U (3/2/2017) | (0.0751 - 0.1)/(49 - 17) | -0.000778125 |
| | | | |
| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| ND<0.1 U (10/25/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(20 - 18) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(23 - 18) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(24 - 18) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(25 - 18) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (7/5/2017) | (0.17 - 0.1)/(27 - 18) | 0.00777778 |
| 0.2 (10/29/2019) | ND<0.1 U (7/5/2017) | (0.2 - 0.1)/(28 - 18) | 0.01 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(29 - 18) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(30 - 18) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(32 - 18) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(38 - 18) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(39 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(40 - 18) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(41 - 18) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (7/5/2017) | (0.0486 - 0.1)/(42 - 18) | -0.00214167 |
| 0.0971 (8/7/2023) | ND<0.1 U (7/5/2017) | (0.0971 - 0.1)/(43 - 18) | -0.000116 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (7/5/2017) | (0.035 - 0.1)/(44 - 18) | -0.0025 |
| 0.0715 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.0715 - 0.1)/(45 - 18) | -0.00105556 |
| 0.0743 (5/21/2024) | ND<0.1 U (7/5/2017) | (0.0743 - 0.1)/(46 - 18) | -0.000917857 |
| 0.0875 (9/16/2024) | ND<0.1 U (7/5/2017) | (0.0875 - 0.1)/(47 - 18) | -0.000431034 |
| 0.0407 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.0407 - 0.1)/(48 - 18) | -0.00197667 |
| 0.0751 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.0751 - 0.1)/(49 - 18) | -0.000803226 |
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| ND<0.1 U (10/25/2017) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(20 - 19) | 0 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(21 - 19) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(23 - 19) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(24 - 19) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(25 - 19) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (8/16/2017) | (0.17 - 0.1)/(27 - 19) | 0.00875 |
| 0.2 (10/29/2019) | ND<0.1 U (8/16/2017) | (0.2 - 0.1)/(28 - 19) | 0.0111111 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(29 - 19) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(30 - 19) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(32 - 19) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(34 - 19) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(37 - 19) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(38 - 19) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(39 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(40 - 19) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(41 - 19) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (8/16/2017) | (0.0486 - 0.1)/(42 - 19) | -0.00223478 |
| 0.0971 (8/7/2023) | ND<0.1 U (8/16/2017) | (0.0971 - 0.1)/(43 - 19) | -0.000120833 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/16/2017) | (0.035 - 0.1)/(44 - 19) | -0.0026 |
| 0.0715 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.0715 - 0.1)/(45 - 19) | -0.00109615 |
| 0.0743 (5/21/2024) | ND<0.1 U (8/16/2017) | (0.0743 - 0.1)/(46 - 19) | -0.000951852 |
| 0.0875 (9/16/2024) | ND<0.1 U (8/16/2017) | (0.0875 - 0.1)/(47 - 19) | -0.000446429 |
| 0.0407 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.0407 - 0.1)/(48 - 19) | -0.00204483 |
| 0.0751 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.0751 - 0.1)/(49 - 19) | -0.00083 |

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|---|---|---|---|
| ND<0.1 U (3/28/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(21 - 20) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(22 - 20) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(23 - 20) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(24 - 20) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(25 - 20) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(26 - 20) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (10/25/2017) | (0.17 - 0.1)/(27 - 20) | 0.01 |
| 0.2 (10/29/2019) | ND<0.1 U (10/25/2017) | (0.2 - 0.1)/(28 - 20) | 0.0125 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(29 - 20) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(30 - 20) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(31 - 20) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(32 - 20) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(33 - 20) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(34 - 20) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(35 - 20) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(36 - 20) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(37 - 20) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(38 - 20) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(39 - 20) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(40 - 20) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (10/25/2017) | (0.1 - 0.1)/(41 - 20) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (10/25/2017) | (0.0486 - 0.1)/(42 - 20) | -0.00233636 |
| 0.0971 (8/7/2023) | ND<0.1 U (10/25/2017) | (0.0971 - 0.1)/(43 - 20) | -0.000126087 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (10/25/2017) | (0.035 - 0.1)/(44 - 20) | -0.00270833 |
| 0.0715 (1/10/2024) | ND<0.1 U (10/25/2017) | (0.0715 - 0.1)/(45 - 20) | -0.00114 |
| 0.0743 (5/21/2024) | ND<0.1 U (10/25/2017) | (0.0743 - 0.1)/(46 - 20) | -0.000988462 |
| 0.0875 (9/16/2024) | ND<0.1 U (10/25/2017) | (0.0875 - 0.1)/(47 - 20) | -0.000462963 |
| 0.0407 (12/11/2024) | ND<0.1 U (10/25/2017) | (0.0407 - 0.1)/(48 - 20) | -0.00211786 |
| 0.0751 (2/18/2025) | ND<0.1 U (10/25/2017) | (0.0751 - 0.1)/(49 - 20) | -0.000858621 |

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|---|---|---|---|
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(22 - 21) | 0 |
| ND<0.1 U (8/2/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(23 - 21) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(24 - 21) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(25 - 21) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (3/28/2018) | (0.17 - 0.1)/(27 - 21) | 0.0116667 |
| 0.2 (10/29/2019) | ND<0.1 U (3/28/2018) | (0.2 - 0.1)/(28 - 21) | 0.0142857 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(29 - 21) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(30 - 21) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(31 - 21) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(32 - 21) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(35 - 21) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(36 - 21) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(38 - 21) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(39 - 21) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(40 - 21) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(41 - 21) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (3/28/2018) | (0.0486 - 0.1)/(42 - 21) | -0.00244762 |
| 0.0971 (8/7/2023) | ND<0.1 U (3/28/2018) | (0.0971 - 0.1)/(43 - 21) | -0.000131818 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/28/2018) | (0.035 - 0.1)/(44 - 21) | -0.00282609 |
| 0.0715 (1/10/2024) | ND<0.1 U (3/28/2018) | (0.0715 - 0.1)/(45 - 21) | -0.0011875 |
| 0.0743 (5/21/2024) | ND<0.1 U (3/28/2018) | (0.0743 - 0.1)/(46 - 21) | -0.001028 |
| 0.0875 (9/16/2024) | ND<0.1 U (3/28/2018) | (0.0875 - 0.1)/(47 - 21) | -0.000480769 |
| 0.0407 (12/11/2024) | ND<0.1 U (3/28/2018) | (0.0407 - 0.1)/(48 - 21) | -0.0021963 |
| 0.0751 (2/18/2025) | ND<0.1 U (3/28/2018) | (0.0751 - 0.1)/(49 - 21) | -0.000889286 |
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| ND<0.1 U (8/2/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(23 - 22) | 0 |
| ND<0.1 U (12/10/2018) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(24 - 22) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(25 - 22) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (6/29/2018) | (0.17 - 0.1)/(27 - 22) | 0.014 |
| 0.2 (10/29/2019) | ND<0.1 U (6/29/2018) | (0.2 - 0.1)/(28 - 22) | 0.0166667 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(29 - 22) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(30 - 22) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(32 - 22) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(37 - 22) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(38 - 22) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(39 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(40 - 22) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(41 - 22) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (6/29/2018) | (0.0486 - 0.1)/(42 - 22) | -0.00257 |
| 0.0971 (8/7/2023) | ND<0.1 U (6/29/2018) | (0.0971 - 0.1)/(43 - 22) | -0.000138095 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/29/2018) | (0.035 - 0.1)/(44 - 22) | -0.00295455 |
| 0.0715 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.0715 - 0.1)/(45 - 22) | -0.00123913 |
| 0.0743 (5/21/2024) | ND<0.1 U (6/29/2018) | (0.0743 - 0.1)/(46 - 22) | -0.00107083 |
| 0.0875 (9/16/2024) | ND<0.1 U (6/29/2018) | (0.0875 - 0.1)/(47 - 22) | -0.0005 |
| 0.0407 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.0407 - 0.1)/(48 - 22) | -0.00228077 |
| 0.0751 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.0751 - 0.1)/(49 - 22) | -0.000922222 |

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|---|---|---|---|
| ND<0.1 U (12/10/2018) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(24 - 23) | 0 |
| ND<0.1 U (4/15/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(25 - 23) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(26 - 23) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (8/2/2018) | (0.17 - 0.1)/(27 - 23) | 0.0175 |
| 0.2 (10/29/2019) | ND<0.1 U (8/2/2018) | (0.2 - 0.1)/(28 - 23) | 0.02 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(29 - 23) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(30 - 23) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(31 - 23) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(32 - 23) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(33 - 23) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(34 - 23) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(35 - 23) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(36 - 23) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(37 - 23) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(38 - 23) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(39 - 23) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(40 - 23) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2018) | (0.1 - 0.1)/(41 - 23) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (8/2/2018) | (0.0486 - 0.1)/(42 - 23) | -0.00270526 |
| 0.0971 (8/7/2023) | ND<0.1 U (8/2/2018) | (0.0971 - 0.1)/(43 - 23) | -0.000145 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/2/2018) | (0.035 - 0.1)/(44 - 23) | -0.00309524 |
| 0.0715 (1/10/2024) | ND<0.1 U (8/2/2018) | (0.0715 - 0.1)/(45 - 23) | -0.00129545 |
| 0.0743 (5/21/2024) | ND<0.1 U (8/2/2018) | (0.0743 - 0.1)/(46 - 23) | -0.00111739 |
| 0.0875 (9/16/2024) | ND<0.1 U (8/2/2018) | (0.0875 - 0.1)/(47 - 23) | -0.000520833 |
| 0.0407 (12/11/2024) | ND<0.1 U (8/2/2018) | (0.0407 - 0.1)/(48 - 23) | -0.002372 |
| 0.0751 (2/18/2025) | ND<0.1 U (8/2/2018) | (0.0751 - 0.1)/(49 - 23) | -0.000957692 |
| | | | |
| ND<0.1 U (4/15/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(25 - 24) | 0 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(26 - 24) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (12/10/2018) | (0.17 - 0.1)/(27 - 24) | 0.0233333 |
| 0.2 (10/29/2019) | ND<0.1 U (12/10/2018) | (0.2 - 0.1)/(28 - 24) | 0.025 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(29 - 24) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(30 - 24) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(31 - 24) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(32 - 24) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(33 - 24) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(34 - 24) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(35 - 24) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(36 - 24) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(37 - 24) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(38 - 24) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(39 - 24) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(40 - 24) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/10/2018) | (0.1 - 0.1)/(41 - 24) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (12/10/2018) | (0.0486 - 0.1)/(42 - 24) | -0.00285556 |
| 0.0971 (8/7/2023) | ND<0.1 U (12/10/2018) | (0.0971 - 0.1)/(43 - 24) | -0.000152632 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (12/10/2018) | (0.035 - 0.1)/(44 - 24) | -0.00325 |
| 0.0715 (1/10/2024) | ND<0.1 U (12/10/2018) | (0.0715 - 0.1)/(45 - 24) | -0.00135714 |
| 0.0743 (5/21/2024) | ND<0.1 U (12/10/2018) | (0.0743 - 0.1)/(46 - 24) | -0.00116818 |
| 0.0875 (9/16/2024) | ND<0.1 U (12/10/2018) | (0.0875 - 0.1)/(47 - 24) | -0.000543478 |
| 0.0407 (12/11/2024) | ND<0.1 U (12/10/2018) | (0.0407 - 0.1)/(48 - 24) | -0.00247083 |
| 0.0751 (2/18/2025) | ND<0.1 U (12/10/2018) | (0.0751 - 0.1)/(49 - 24) | -0.000996 |
| | | | |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(26 - 25) | 0 |
| 0.17 (8/27/2019) | ND<0.1 U (4/15/2019) | (0.17 - 0.1)/(27 - 25) | 0.035 |
| 0.2 (10/29/2019) | ND<0.1 U (4/15/2019) | (0.2 - 0.1)/(28 - 25) | 0.0333333 |

| | | | |
|---|---|---|---|
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(29 - 25) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(30 - 25) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(31 - 25) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(32 - 25) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(33 - 25) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(34 - 25) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(35 - 25) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(36 - 25) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(37 - 25) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(38 - 25) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(39 - 25) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(40 - 25) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/15/2019) | (0.1 - 0.1)/(41 - 25) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (4/15/2019) | (0.0486 - 0.1)/(42 - 25) | -0.00302353 |
| 0.0971 (8/7/2023) | ND<0.1 U (4/15/2019) | (0.0971 - 0.1)/(43 - 25) | -0.000161111 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (4/15/2019) | (0.035 - 0.1)/(44 - 25) | -0.00342105 |
| 0.0715 (1/10/2024) | ND<0.1 U (4/15/2019) | (0.0715 - 0.1)/(45 - 25) | -0.001425 |
| 0.0743 (5/21/2024) | ND<0.1 U (4/15/2019) | (0.0743 - 0.1)/(46 - 25) | -0.00122381 |
| 0.0875 (9/16/2024) | ND<0.1 U (4/15/2019) | (0.0875 - 0.1)/(47 - 25) | -0.000568182 |
| 0.0407 (12/11/2024) | ND<0.1 U (4/15/2019) | (0.0407 - 0.1)/(48 - 25) | -0.00257826 |
| 0.0751 (2/18/2025) | ND<0.1 U (4/15/2019) | (0.0751 - 0.1)/(49 - 25) | -0.0010375 |
| | | | |
| 0.17 (8/27/2019) | ND<0.1 U (6/12/2019) | (0.17 - 0.1)/(27 - 26) | 0.07 |
| 0.2 (10/29/2019) | ND<0.1 U (6/12/2019) | (0.2 - 0.1)/(28 - 26) | 0.05 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(29 - 26) | 0 |
| ND<0.1 U (6/16/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(30 - 26) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(32 - 26) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(38 - 26) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(39 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(40 - 26) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(41 - 26) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (6/12/2019) | (0.0486 - 0.1)/(42 - 26) | -0.0032125 |
| 0.0971 (8/7/2023) | ND<0.1 U (6/12/2019) | (0.0971 - 0.1)/(43 - 26) | -0.000170588 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/12/2019) | (0.035 - 0.1)/(44 - 26) | -0.00361111 |
| 0.0715 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.0715 - 0.1)/(45 - 26) | -0.0015 |
| 0.0743 (5/21/2024) | ND<0.1 U (6/12/2019) | (0.0743 - 0.1)/(46 - 26) | -0.001285 |
| 0.0875 (9/16/2024) | ND<0.1 U (6/12/2019) | (0.0875 - 0.1)/(47 - 26) | -0.000595238 |
| 0.0407 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.0407 - 0.1)/(48 - 26) | -0.00269545 |
| 0.0751 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.0751 - 0.1)/(49 - 26) | -0.00108261 |
| | | | |
| 0.2 (10/29/2019) | 0.17 (8/27/2019) | (0.2 - 0.17)/(28 - 27) | 0.03 |
| ND<0.1 U (3/30/2020) | 0.17 (8/27/2019) | (0.1 - 0.17)/(29 - 27) | -0.035 |
| ND<0.1 U (6/16/2020) | 0.17 (8/27/2019) | (0.1 - 0.17)/(30 - 27) | -0.0233333 |
| ND<0.1 U (9/21/2020) | 0.17 (8/27/2019) | (0.1 - 0.17)/(31 - 27) | -0.0175 |
| ND<0.1 U (12/17/2020) | 0.17 (8/27/2019) | (0.1 - 0.17)/(32 - 27) | -0.014 |
| ND<0.1 U (3/18/2021) | 0.17 (8/27/2019) | (0.1 - 0.17)/(33 - 27) | -0.0116667 |
| ND<0.1 U (5/5/2021) | 0.17 (8/27/2019) | (0.1 - 0.17)/(34 - 27) | -0.01 |
| ND<0.1 U (9/2/2021) | 0.17 (8/27/2019) | (0.1 - 0.17)/(35 - 27) | -0.00875 |
| ND<0.1 U (11/23/2021) | 0.17 (8/27/2019) | (0.1 - 0.17)/(36 - 27) | -0.00777778 |
| ND<0.1 U (1/11/2022) | 0.17 (8/27/2019) | (0.1 - 0.17)/(37 - 27) | -0.007 |
| ND<0.1 U (4/7/2022) | 0.17 (8/27/2019) | (0.1 - 0.17)/(38 - 27) | -0.00636364 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | 0.17 (8/27/2019) | (0.1 - 0.17)/(39 - 27) | -0.00583333 |
| ND<0.1 U (11/16/2022) | 0.17 (8/27/2019) | (0.1 - 0.17)/(40 - 27) | -0.00538462 |
| ND<0.1 U (2/14/2023) | 0.17 (8/27/2019) | (0.1 - 0.17)/(41 - 27) | -0.005 |
| 0.0486 (5/25/2023) | 0.17 (8/27/2019) | (0.0486 - 0.17)/(42 - 27) | -0.00809333 |
| 0.0971 (8/7/2023) | 0.17 (8/27/2019) | (0.0971 - 0.17)/(43 - 27) | -0.00455625 |
| ND<0.035 U (12/12/2023) | 0.17 (8/27/2019) | (0.035 - 0.17)/(44 - 27) | -0.00794118 |
| 0.0715 (1/10/2024) | 0.17 (8/27/2019) | (0.0715 - 0.17)/(45 - 27) | -0.00547222 |
| 0.0743 (5/21/2024) | 0.17 (8/27/2019) | (0.0743 - 0.17)/(46 - 27) | -0.00503684 |
| 0.0875 (9/16/2024) | 0.17 (8/27/2019) | (0.0875 - 0.17)/(47 - 27) | -0.004125 |
| 0.0407 (12/11/2024) | 0.17 (8/27/2019) | (0.0407 - 0.17)/(48 - 27) | -0.00615714 |
| 0.0751 (2/18/2025) | 0.17 (8/27/2019) | (0.0751 - 0.17)/(49 - 27) | -0.00431364 |
| | | | |
| ND<0.1 U (3/30/2020) | 0.2 (10/29/2019) | (0.1 - 0.2)/(29 - 28) | -0.1 |
| ND<0.1 U (6/16/2020) | 0.2 (10/29/2019) | (0.1 - 0.2)/(30 - 28) | -0.05 |
| ND<0.1 U (9/21/2020) | 0.2 (10/29/2019) | (0.1 - 0.2)/(31 - 28) | -0.0333333 |
| ND<0.1 U (12/17/2020) | 0.2 (10/29/2019) | (0.1 - 0.2)/(32 - 28) | -0.025 |
| ND<0.1 U (3/18/2021) | 0.2 (10/29/2019) | (0.1 - 0.2)/(33 - 28) | -0.02 |
| ND<0.1 U (5/5/2021) | 0.2 (10/29/2019) | (0.1 - 0.2)/(34 - 28) | -0.0166667 |
| ND<0.1 U (9/2/2021) | 0.2 (10/29/2019) | (0.1 - 0.2)/(35 - 28) | -0.0142857 |
| ND<0.1 U (11/23/2021) | 0.2 (10/29/2019) | (0.1 - 0.2)/(36 - 28) | -0.0125 |
| ND<0.1 U (1/11/2022) | 0.2 (10/29/2019) | (0.1 - 0.2)/(37 - 28) | -0.0111111 |
| ND<0.1 U (4/7/2022) | 0.2 (10/29/2019) | (0.1 - 0.2)/(38 - 28) | -0.01 |
| ND<0.1 U (8/2/2022) | 0.2 (10/29/2019) | (0.1 - 0.2)/(39 - 28) | -0.00909091 |
| ND<0.1 U (11/16/2022) | 0.2 (10/29/2019) | (0.1 - 0.2)/(40 - 28) | -0.00833333 |
| ND<0.1 U (2/14/2023) | 0.2 (10/29/2019) | (0.1 - 0.2)/(41 - 28) | -0.00769231 |
| 0.0486 (5/25/2023) | 0.2 (10/29/2019) | (0.0486 - 0.2)/(42 - 28) | -0.0108143 |
| 0.0971 (8/7/2023) | 0.2 (10/29/2019) | (0.0971 - 0.2)/(43 - 28) | -0.00686 |
| ND<0.035 U (12/12/2023) | 0.2 (10/29/2019) | (0.035 - 0.2)/(44 - 28) | -0.0103125 |
| 0.0715 (1/10/2024) | 0.2 (10/29/2019) | (0.0715 - 0.2)/(45 - 28) | -0.00755882 |
| 0.0743 (5/21/2024) | 0.2 (10/29/2019) | (0.0743 - 0.2)/(46 - 28) | -0.00698333 |
| 0.0875 (9/16/2024) | 0.2 (10/29/2019) | (0.0875 - 0.2)/(47 - 28) | -0.00592105 |
| 0.0407 (12/11/2024) | 0.2 (10/29/2019) | (0.0407 - 0.2)/(48 - 28) | -0.007965 |
| 0.0751 (2/18/2025) | 0.2 (10/29/2019) | (0.0751 - 0.2)/(49 - 28) | -0.00594762 |
| | | | |
| ND<0.1 U (6/16/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(30 - 29) | 0 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(31 - 29) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(32 - 29) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(33 - 29) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(34 - 29) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(35 - 29) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(36 - 29) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(37 - 29) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(38 - 29) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(39 - 29) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(40 - 29) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(41 - 29) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (3/30/2020) | (0.0486 - 0.1)/(42 - 29) | -0.00395385 |
| 0.0971 (8/7/2023) | ND<0.1 U (3/30/2020) | (0.0971 - 0.1)/(43 - 29) | -0.000207143 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/30/2020) | (0.035 - 0.1)/(44 - 29) | -0.00433333 |
| 0.0715 (1/10/2024) | ND<0.1 U (3/30/2020) | (0.0715 - 0.1)/(45 - 29) | -0.00178125 |
| 0.0743 (5/21/2024) | ND<0.1 U (3/30/2020) | (0.0743 - 0.1)/(46 - 29) | -0.00151176 |
| 0.0875 (9/16/2024) | ND<0.1 U (3/30/2020) | (0.0875 - 0.1)/(47 - 29) | -0.000694444 |
| 0.0407 (12/11/2024) | ND<0.1 U (3/30/2020) | (0.0407 - 0.1)/(48 - 29) | -0.00312105 |
| 0.0751 (2/18/2025) | ND<0.1 U (3/30/2020) | (0.0751 - 0.1)/(49 - 29) | -0.001245 |
| | | | |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(31 - 30) | 0 |
| ND<0.1 U (12/17/2020) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(33 - 30) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(34 - 30) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(35 - 30) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(36 - 30) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(37 - 30) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(38 - 30) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(39 - 30) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(40 - 30) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/16/2020) | (0.1 - 0.1)/(41 - 30) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (6/16/2020) | (0.0486 - 0.1)/(42 - 30) | -0.00428333 |
| 0.0971 (8/7/2023) | ND<0.1 U (6/16/2020) | (0.0971 - 0.1)/(43 - 30) | -0.000223077 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/16/2020) | (0.035 - 0.1)/(44 - 30) | -0.00464286 |
| 0.0715 (1/10/2024) | ND<0.1 U (6/16/2020) | (0.0715 - 0.1)/(45 - 30) | -0.0019 |
| 0.0743 (5/21/2024) | ND<0.1 U (6/16/2020) | (0.0743 - 0.1)/(46 - 30) | -0.00160625 |
| 0.0875 (9/16/2024) | ND<0.1 U (6/16/2020) | (0.0875 - 0.1)/(47 - 30) | -0.000735294 |
| 0.0407 (12/11/2024) | ND<0.1 U (6/16/2020) | (0.0407 - 0.1)/(48 - 30) | -0.00329444 |
| 0.0751 (2/18/2025) | ND<0.1 U (6/16/2020) | (0.0751 - 0.1)/(49 - 30) | -0.00131053 |
| | | | |
| ND<0.1 U (12/17/2020) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(32 - 31) | 0 |
| ND<0.1 U (3/18/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(37 - 31) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(38 - 31) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(39 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(40 - 31) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(41 - 31) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (9/21/2020) | (0.0486 - 0.1)/(42 - 31) | -0.00467273 |
| 0.0971 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.0971 - 0.1)/(43 - 31) | -0.000241667 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/21/2020) | (0.035 - 0.1)/(44 - 31) | -0.005 |
| 0.0715 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.0715 - 0.1)/(45 - 31) | -0.00203571 |
| 0.0743 (5/21/2024) | ND<0.1 U (9/21/2020) | (0.0743 - 0.1)/(46 - 31) | -0.00171333 |
| 0.0875 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.0875 - 0.1)/(47 - 31) | -0.00078125 |
| 0.0407 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.0407 - 0.1)/(48 - 31) | -0.00348824 |
| 0.0751 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.0751 - 0.1)/(49 - 31) | -0.00138333 |
| | | | |
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(33 - 32) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(34 - 32) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(35 - 32) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(36 - 32) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(37 - 32) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(38 - 32) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(39 - 32) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(40 - 32) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(41 - 32) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (12/17/2020) | (0.0486 - 0.1)/(42 - 32) | -0.00514 |
| 0.0971 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.0971 - 0.1)/(43 - 32) | -0.000263636 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (12/17/2020) | (0.035 - 0.1)/(44 - 32) | -0.00541667 |
| 0.0715 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0715 - 0.1)/(45 - 32) | -0.00219231 |
| 0.0743 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.0743 - 0.1)/(46 - 32) | -0.00183571 |
| 0.0875 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0875 - 0.1)/(47 - 32) | -0.000833333 |
| 0.0407 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.0407 - 0.1)/(48 - 32) | -0.00370625 |
| 0.0751 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.0751 - 0.1)/(49 - 32) | -0.00146471 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(34 - 33) | 0 |
| ND<0.1 U (9/2/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(35 - 33) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(36 - 33) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(37 - 33) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(38 - 33) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(39 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(40 - 33) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(41 - 33) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (3/18/2021) | (0.0486 - 0.1)/(42 - 33) | -0.00571111 |
| 0.0971 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.0971 - 0.1)/(43 - 33) | -0.00029 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/18/2021) | (0.035 - 0.1)/(44 - 33) | -0.00590909 |
| 0.0715 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0715 - 0.1)/(45 - 33) | -0.002375 |
| 0.0743 (5/21/2024) | ND<0.1 U (3/18/2021) | (0.0743 - 0.1)/(46 - 33) | -0.00197692 |
| 0.0875 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.0875 - 0.1)/(47 - 33) | -0.000892857 |
| 0.0407 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.0407 - 0.1)/(48 - 33) | -0.00395333 |
| 0.0751 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.0751 - 0.1)/(49 - 33) | -0.00155625 |
| | | | |
| ND<0.1 U (9/2/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(35 - 34) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(36 - 34) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(37 - 34) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(38 - 34) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(39 - 34) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(40 - 34) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(41 - 34) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (5/5/2021) | (0.0486 - 0.1)/(42 - 34) | -0.006425 |
| 0.0971 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.0971 - 0.1)/(43 - 34) | -0.000322222 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (5/5/2021) | (0.035 - 0.1)/(44 - 34) | -0.0065 |
| 0.0715 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0715 - 0.1)/(45 - 34) | -0.00259091 |
| 0.0743 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.0743 - 0.1)/(46 - 34) | -0.00214167 |
| 0.0875 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0875 - 0.1)/(47 - 34) | -0.000961538 |
| 0.0407 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.0407 - 0.1)/(48 - 34) | -0.00423571 |
| 0.0751 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.0751 - 0.1)/(49 - 34) | -0.00166 |
| | | | |
| ND<0.1 U (11/23/2021) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(36 - 35) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(37 - 35) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(38 - 35) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(39 - 35) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(40 - 35) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/2/2021) | (0.1 - 0.1)/(41 - 35) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (9/2/2021) | (0.0486 - 0.1)/(42 - 35) | -0.00734286 |
| 0.0971 (8/7/2023) | ND<0.1 U (9/2/2021) | (0.0971 - 0.1)/(43 - 35) | -0.0003625 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/2/2021) | (0.035 - 0.1)/(44 - 35) | -0.00722222 |
| 0.0715 (1/10/2024) | ND<0.1 U (9/2/2021) | (0.0715 - 0.1)/(45 - 35) | -0.00285 |
| 0.0743 (5/21/2024) | ND<0.1 U (9/2/2021) | (0.0743 - 0.1)/(46 - 35) | -0.00233636 |
| 0.0875 (9/16/2024) | ND<0.1 U (9/2/2021) | (0.0875 - 0.1)/(47 - 35) | -0.00104167 |
| 0.0407 (12/11/2024) | ND<0.1 U (9/2/2021) | (0.0407 - 0.1)/(48 - 35) | -0.00456154 |
| 0.0751 (2/18/2025) | ND<0.1 U (9/2/2021) | (0.0751 - 0.1)/(49 - 35) | -0.00177857 |
| | | | |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(37 - 36) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(38 - 36) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(39 - 36) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(40 - 36) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(41 - 36) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (11/23/2021) | (0.0486 - 0.1)/(42 - 36) | -0.00856667 |
| 0.0971 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.0971 - 0.1)/(43 - 36) | -0.000414286 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/23/2021) | (0.035 - 0.1)/(44 - 36) | -0.008125 |
| 0.0715 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0715 - 0.1)/(45 - 36) | -0.00316667 |
| 0.0743 (5/21/2024) | ND<0.1 U (11/23/2021) | (0.0743 - 0.1)/(46 - 36) | -0.00257 |
| 0.0875 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.0875 - 0.1)/(47 - 36) | -0.00113636 |

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|---|---|---|---|
| 0.0407 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.0407 - 0.1)/(48 - 36) | -0.00494167 |
| 0.0751 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.0751 - 0.1)/(49 - 36) | -0.00191538 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(38 - 37) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(39 - 37) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(40 - 37) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(41 - 37) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.0486 - 0.1)/(42 - 37) | -0.01028 |
| 0.0971 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.0971 - 0.1)/(43 - 37) | -0.000483333 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (1/11/2022) | (0.035 - 0.1)/(44 - 37) | -0.00928571 |
| 0.0715 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.0715 - 0.1)/(45 - 37) | -0.0035625 |
| 0.0743 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.0743 - 0.1)/(46 - 37) | -0.00285556 |
| 0.0875 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0875 - 0.1)/(47 - 37) | -0.00125 |
| 0.0407 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.0407 - 0.1)/(48 - 37) | -0.00539091 |
| 0.0751 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.0751 - 0.1)/(49 - 37) | -0.002075 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(39 - 38) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(40 - 38) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(41 - 38) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (4/7/2022) | (0.0486 - 0.1)/(42 - 38) | -0.01285 |
| 0.0971 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.0971 - 0.1)/(43 - 38) | -0.00058 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (4/7/2022) | (0.035 - 0.1)/(44 - 38) | -0.0108333 |
| 0.0715 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0715 - 0.1)/(45 - 38) | -0.00407143 |
| 0.0743 (5/21/2024) | ND<0.1 U (4/7/2022) | (0.0743 - 0.1)/(46 - 38) | -0.0032125 |
| 0.0875 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.0875 - 0.1)/(47 - 38) | -0.00138889 |
| 0.0407 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.0407 - 0.1)/(48 - 38) | -0.00593 |
| 0.0751 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.0751 - 0.1)/(49 - 38) | -0.00226364 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(40 - 39) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(41 - 39) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0486 - 0.1)/(42 - 39) | -0.0171333 |
| 0.0971 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.0971 - 0.1)/(43 - 39) | -0.000725 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/2/2022) | (0.035 - 0.1)/(44 - 39) | -0.013 |
| 0.0715 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.0715 - 0.1)/(45 - 39) | -0.00475 |
| 0.0743 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.0743 - 0.1)/(46 - 39) | -0.00367143 |
| 0.0875 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0875 - 0.1)/(47 - 39) | -0.0015625 |
| 0.0407 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.0407 - 0.1)/(48 - 39) | -0.00658889 |
| 0.0751 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.0751 - 0.1)/(49 - 39) | -0.00249 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(41 - 40) | 0 |
| 0.0486 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0486 - 0.1)/(42 - 40) | -0.0257 |
| 0.0971 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0971 - 0.1)/(43 - 40) | -0.000966667 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/16/2022) | (0.035 - 0.1)/(44 - 40) | -0.01625 |
| 0.0715 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0715 - 0.1)/(45 - 40) | -0.0057 |
| 0.0743 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.0743 - 0.1)/(46 - 40) | -0.00428333 |
| 0.0875 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0875 - 0.1)/(47 - 40) | -0.00178571 |
| 0.0407 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.0407 - 0.1)/(48 - 40) | -0.0074125 |
| 0.0751 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.0751 - 0.1)/(49 - 40) | -0.00276667 |
| | | | |
| 0.0486 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.0486 - 0.1)/(42 - 41) | -0.0514 |
| 0.0971 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.0971 - 0.1)/(43 - 41) | -0.00145 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (2/14/2023) | (0.035 - 0.1)/(44 - 41) | -0.0216667 |
| 0.0715 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.0715 - 0.1)/(45 - 41) | -0.007125 |
| 0.0743 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.0743 - 0.1)/(46 - 41) | -0.00514 |
| 0.0875 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0875 - 0.1)/(47 - 41) | -0.00208333 |
| 0.0407 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.0407 - 0.1)/(48 - 41) | -0.00847143 |
| 0.0751 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.0751 - 0.1)/(49 - 41) | -0.0031125 |

| | | | |
|---|---|---|---|
| 0.0971 (8/7/2023) | 0.0486 (5/25/2023) | (0.0971 - 0.0486)/(43 - 42) | 0.0485 |
| ND<0.035 U (12/12/2023) | 0.0486 (5/25/2023) | (0.035 - 0.0486)/(44 - 42) | -0.0068 |
| 0.0715 (1/10/2024) | 0.0486 (5/25/2023) | (0.0715 - 0.0486)/(45 - 42) | 0.00763333 |
| 0.0743 (5/21/2024) | 0.0486 (5/25/2023) | (0.0743 - 0.0486)/(46 - 42) | 0.006425 |
| 0.0875 (9/16/2024) | 0.0486 (5/25/2023) | (0.0875 - 0.0486)/(47 - 42) | 0.00778 |
| 0.0407 (12/11/2024) | 0.0486 (5/25/2023) | (0.0407 - 0.0486)/(48 - 42) | -0.00131667 |
| 0.0751 (2/18/2025) | 0.0486 (5/25/2023) | (0.0751 - 0.0486)/(49 - 42) | 0.00378571 |
| | | | |
| ND<0.035 U (12/12/2023) | 0.0971 (8/7/2023) | (0.035 - 0.0971)/(44 - 43) | -0.0621 |
| 0.0715 (1/10/2024) | 0.0971 (8/7/2023) | (0.0715 - 0.0971)/(45 - 43) | -0.0128 |
| 0.0743 (5/21/2024) | 0.0971 (8/7/2023) | (0.0743 - 0.0971)/(46 - 43) | -0.0076 |
| 0.0875 (9/16/2024) | 0.0971 (8/7/2023) | (0.0875 - 0.0971)/(47 - 43) | -0.0024 |
| 0.0407 (12/11/2024) | 0.0971 (8/7/2023) | (0.0407 - 0.0971)/(48 - 43) | -0.01128 |
| 0.0751 (2/18/2025) | 0.0971 (8/7/2023) | (0.0751 - 0.0971)/(49 - 43) | -0.00366667 |
| | | | |
| 0.0715 (1/10/2024) | ND<0.035 U (12/12/2023) | (0.0715 - 0.035)/(45 - 44) | 0.0365 |
| 0.0743 (5/21/2024) | ND<0.035 U (12/12/2023) | (0.0743 - 0.035)/(46 - 44) | 0.01965 |
| 0.0875 (9/16/2024) | ND<0.035 U (12/12/2023) | (0.0875 - 0.035)/(47 - 44) | 0.0175 |
| 0.0407 (12/11/2024) | ND<0.035 U (12/12/2023) | (0.0407 - 0.035)/(48 - 44) | 0.001425 |
| 0.0751 (2/18/2025) | ND<0.035 U (12/12/2023) | (0.0751 - 0.035)/(49 - 44) | 0.00802 |
| | | | |
| 0.0743 (5/21/2024) | 0.0715 (1/10/2024) | (0.0743 - 0.0715)/(46 - 45) | 0.0028 |
| 0.0875 (9/16/2024) | 0.0715 (1/10/2024) | (0.0875 - 0.0715)/(47 - 45) | 0.008 |
| 0.0407 (12/11/2024) | 0.0715 (1/10/2024) | (0.0407 - 0.0715)/(48 - 45) | -0.0102667 |
| 0.0751 (2/18/2025) | 0.0715 (1/10/2024) | (0.0751 - 0.0715)/(49 - 45) | 0.0009 |
| | | | |
| 0.0875 (9/16/2024) | 0.0743 (5/21/2024) | (0.0875 - 0.0743)/(47 - 46) | 0.0132 |
| 0.0407 (12/11/2024) | 0.0743 (5/21/2024) | (0.0407 - 0.0743)/(48 - 46) | -0.0168 |
| 0.0751 (2/18/2025) | 0.0743 (5/21/2024) | (0.0751 - 0.0743)/(49 - 46) | 0.000266667 |
| | | | |
| 0.0407 (12/11/2024) | 0.0875 (9/16/2024) | (0.0407 - 0.0875)/(48 - 47) | -0.0468 |
| 0.0751 (2/18/2025) | 0.0875 (9/16/2024) | (0.0751 - 0.0875)/(49 - 47) | -0.0062 |
| | | | |
| 0.0751 (2/18/2025) | 0.0407 (12/11/2024) | (0.0751 - 0.0407)/(49 - 48) | 0.0344 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
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| 1 | -0.13 |
| 2 | -0.1 |
| 3 | -0.065 |
| 4 | -0.0621 |
| 5 | -0.0514 |
| 6 | -0.05 |
| 7 | -0.0468 |
| 8 | -0.0366667 |
| 9 | -0.035 |
| 10 | -0.0333333 |
| 11 | -0.0325 |
| 12 | -0.026 |
| 13 | -0.0257 |
| 14 | -0.025 |
| 15 | -0.0233333 |
| 16 | -0.0216667 |

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|---|---|
| 17 | -0.0216667 |
| 18 | -0.02 |
| 19 | -0.02 |
| 20 | -0.0185714 |
| 21 | -0.0175 |
| 22 | -0.0171333 |
| 23 | -0.0168 |
| 24 | -0.0166667 |
| 25 | -0.01625 |
| 26 | -0.01625 |
| 27 | -0.0144444 |
| 28 | -0.0142857 |
| 29 | -0.014 |
| 30 | -0.013 |
| 31 | -0.013 |
| 32 | -0.01285 |
| 33 | -0.0128 |
| 34 | -0.0125 |
| 35 | -0.0118182 |
| 36 | -0.0116667 |
| 37 | -0.01128 |
| 38 | -0.0111111 |
| 39 | -0.0108333 |
| 40 | -0.0108333 |
| 41 | -0.0108143 |
| 42 | -0.0103125 |
| 43 | -0.01028 |
| 44 | -0.0102667 |
| 45 | -0.01 |
| 46 | -0.01 |
| 47 | -0.01 |
| 48 | -0.01 |
| 49 | -0.01 |
| 50 | -0.00928571 |
| 51 | -0.00909091 |
| 52 | -0.00875 |
| 53 | -0.00856667 |
| 54 | -0.00847143 |
| 55 | -0.00833333 |
| 56 | -0.008125 |
| 57 | -0.008125 |
| 58 | -0.00809333 |
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| 60 | -0.00794118 |
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| 87 | -0.00594762 |
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| 771 | 0 |
| 772 | 0 |
| 773 | 0 |
| 774 | 0 |
| 775 | 0 |
| 776 | 0 |
| 777 | 0 |
| 778 | 0 |
| 779 | 0 |
| 780 | 0 |
| 781 | 0 |
| 782 | 0 |
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| 792 | 0 |
| 793 | 0 |
| 794 | 0 |
| 795 | 0 |
| 796 | 0 |
| 797 | 0 |
| 798 | 0 |
| 799 | 0 |
| 800 | 0 |
| 801 | 0 |
| 802 | 0 |
| 803 | 0 |
| 804 | 0 |
| 805 | 0 |
| 806 | 0 |
| 807 | 0 |
| 808 | 0 |
| 809 | 0 |
| 810 | 0 |
| 811 | 0 |
| 812 | 0 |
| 813 | 0 |
| 814 | 0 |

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| 815 | 0 |
| 816 | 0 |
| 817 | 0 |
| 818 | 0 |
| 819 | 0 |
| 820 | 0 |
| 821 | 0 |
| 822 | 0 |
| 823 | 0 |
| 824 | 0 |
| 825 | 0 |
| 826 | 0 |
| 827 | 0 |
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| 839 | 0 |
| 840 | 0 |
| 841 | 0 |
| 842 | 0 |
| 843 | 0 |
| 844 | 0 |
| 845 | 0 |
| 846 | 0 |
| 847 | 0 |
| 848 | 0 |
| 849 | 0 |
| 850 | 0 |
| 851 | 0 |
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| 872 | 0 |
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| 886 | 0 |
| 887 | 0 |
| 888 | 0 |
| 889 | 0 |
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| 891 | 0 |
| 892 | 0 |
| 893 | 0 |
| 894 | 0 |
| 895 | 0 |
| 896 | 0 |
| 897 | 0 |
| 898 | 0 |
| 899 | 0 |
| 900 | 0 |
| 901 | 0 |
| 902 | 0 |
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| 904 | 0 |
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| 906 | 0 |
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| 910 | 0 |
| 911 | 0 |
| 912 | 0 |
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| 922 | 0 |
| 923 | 0 |
| 924 | 0 |
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| 929 | 0 |
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| 950 | 0 |
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| 976 | 0 |
| 977 | 0 |
| 978 | 0 |
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| 986 | 0 |
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| 999 | 0 |
| 1000 | 0 |
| 1001 | 0 |
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| 1008 | 0 |
| 1009 | 0 |
| 1010 | 0 |
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| 1016 | 0 |
| 1017 | 0 |
| 1018 | 0 |
| 1019 | 0 |
| 1020 | 0 |
| 1021 | 0 |
| 1022 | 0 |
| 1023 | 0 |
| 1024 | 0 |
| 1025 | 0 |
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| 1043 | 0 |
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| 1068 | 0 |
| 1069 | 0 |
| 1070 | 0 |
| 1071 | 0 |
| 1072 | 0 |
| 1073 | 0 |
| 1074 | 0 |
| 1075 | 0 |
| 1076 | 0 |
| 1077 | 0 |
| 1078 | 0 |
| 1079 | 0 |
| 1080 | 0 |
| 1081 | 0.000266667 |
| 1082 | 0.000833333 |
| 1083 | 0.0009 |
| 1084 | 0.00133333 |
| 1085 | 0.001425 |
| 1086 | 0.00142857 |
| 1087 | 0.00153846 |
| 1088 | 0.00181818 |
| 1089 | 0.002 |
| 1090 | 0.00222222 |
| 1091 | 0.0025 |
| 1092 | 0.0026087 |
| 1093 | 0.00269231 |
| 1094 | 0.0028 |
| 1095 | 0.0028 |
| 1096 | 0.00285714 |
| 1097 | 0.00291667 |
| 1098 | 0.00318182 |
| 1099 | 0.00333333 |

| | |
|---|---|
| 1100 | 0.00333333 |
| 1101 | 0.00333333 |
| 1102 | 0.0035 |
| 1103 | 0.00368421 |
| 1104 | 0.0037037 |
| 1105 | 0.00375 |
| 1106 | 0.00378571 |
| 1107 | 0.00384615 |
| 1108 | 0.00388889 |
| 1109 | 0.004 |
| 1110 | 0.004 |
| 1111 | 0.00411765 |
| 1112 | 0.00434783 |
| 1113 | 0.004375 |
| 1114 | 0.00454545 |
| 1115 | 0.00454545 |
| 1116 | 0.00466667 |
| 1117 | 0.0047619 |
| 1118 | 0.005 |
| 1119 | 0.005 |
| 1120 | 0.005 |
| 1121 | 0.00526316 |
| 1122 | 0.00538462 |
| 1123 | 0.00555556 |
| 1124 | 0.00583333 |
| 1125 | 0.00588235 |
| 1126 | 0.00625 |
| 1127 | 0.006425 |
| 1128 | 0.00666667 |
| 1129 | 0.007 |
| 1130 | 0.00714286 |
| 1131 | 0.00763333 |
| 1132 | 0.00769231 |
| 1133 | 0.00777778 |
| 1134 | 0.00778 |
| 1135 | 0.008 |
| 1136 | 0.00802 |
| 1137 | 0.00875 |
| 1138 | 0.00909091 |
| 1139 | 0.01 |
| 1140 | 0.01 |
| 1141 | 0.01 |
| 1142 | 0.01 |
| 1143 | 0.0108333 |
| 1144 | 0.0111111 |
| 1145 | 0.0116667 |
| 1146 | 0.0118182 |
| 1147 | 0.0125 |
| 1148 | 0.013 |
| 1149 | 0.0132 |
| 1150 | 0.0133333 |
| 1151 | 0.014 |
| 1152 | 0.0142857 |
| 1153 | 0.01625 |
| 1154 | 0.0166667 |
| 1155 | 0.0175 |
| 1156 | 0.0175 |

| | |
|---|---|
| 1157 | 0.0185714 |
| 1158 | 0.01965 |
| 1159 | 0.02 |
| 1160 | 0.02 |
| 1161 | 0.0216667 |
| 1162 | 0.0233333 |
| 1163 | 0.025 |
| 1164 | 0.026 |
| 1165 | 0.03 |
| 1166 | 0.0325 |
| 1167 | 0.0333333 |
| 1168 | 0.0344 |
| 1169 | 0.035 |
| 1170 | 0.0365 |
| 1171 | 0.0433333 |
| 1172 | 0.0485 |
| 1173 | 0.05 |
| 1174 | 0.065 |
| 1175 | 0.07 |
| 1176 | 0.13 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 36 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |

| | |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 97020
B = 0
C = 42840
D = 0
E = 1260
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 8068.67
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 147.75
M1 = (1176 - 147.75)/2.0 = 514.125
M2 = (1176 + 147.75)/2.0 + 1 = 662.875
Lower limit is 0 = Q(514)
Upper limit is 0 = Q(663)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (5/20/2013) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (9/23/2013) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(4 - 1) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(10 - 1) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (3/13/2013) | (0.13 - 0.1)/(11 - 1) | 0.003 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(12 - 1) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(13 - 1) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(14 - 1) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(15 - 1) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (3/13/2013) | (0.15 - 0.1)/(16 - 1) | 0.00333333 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(17 - 1) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(18 - 1) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(19 - 1) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (3/13/2013) | (0.11 - 0.1)/(20 - 1) | 0.000526316 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(21 - 1) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(22 - 1) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (3/13/2013) | (0.11 - 0.1)/(23 - 1) | 0.000454545 |
| 0.127 (12/10/2018) | ND<0.1 U (3/13/2013) | (0.127 - 0.1)/(24 - 1) | 0.00117391 |
| 0.285 (4/15/2019) | ND<0.1 U (3/13/2013) | (0.285 - 0.1)/(25 - 1) | 0.00770833 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(26 - 1) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (3/13/2013) | (0.149 - 0.1)/(27 - 1) | 0.00188462 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(28 - 1) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(29 - 1) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (3/13/2013) | (0.102 - 0.1)/(30 - 1) | 6.89655e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(31 - 1) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (3/13/2013) | (0.234 - 0.1)/(32 - 1) | 0.00432258 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(33 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(34 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(35 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(36 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/13/2013) | (0.1 - 0.1)/(37 - 1) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (3/13/2013) | (0.0569 - 0.1)/(38 - 1) | -0.00116486 |
| 0.0912 (8/7/2023) | ND<0.1 U (3/13/2013) | (0.0912 - 0.1)/(39 - 1) | -0.000231579 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/13/2013) | (0.035 - 0.1)/(40 - 1) | -0.00166667 |
| 0.0956 (1/10/2024) | ND<0.1 U (3/13/2013) | (0.0956 - 0.1)/(41 - 1) | -0.00011 |
| 0.0739 (5/21/2024) | ND<0.1 U (3/13/2013) | (0.0739 - 0.1)/(42 - 1) | -0.000636585 |
| 0.108 (9/16/2024) | ND<0.1 U (3/13/2013) | (0.108 - 0.1)/(43 - 1) | 0.000190476 |
| 0.024 (12/11/2024) | ND<0.1 U (3/13/2013) | (0.024 - 0.1)/(44 - 1) | -0.00176744 |
| 0.102 (2/18/2025) | ND<0.1 U (3/13/2013) | (0.102 - 0.1)/(45 - 1) | 4.54545e-05 |
| | | | |
| ND<0.1 U (9/23/2013) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (12/10/2013) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(5 - 2) | 0 |

| | | | |
|---|---|---|---|
| ND<0.1 U (6/26/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(10 - 2) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (5/20/2013) | (0.13 - 0.1)/(11 - 2) | 0.00333333 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(12 - 2) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(13 - 2) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(14 - 2) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(15 - 2) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (5/20/2013) | (0.15 - 0.1)/(16 - 2) | 0.00357143 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(17 - 2) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(18 - 2) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(19 - 2) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (5/20/2013) | (0.11 - 0.1)/(20 - 2) | 0.000555556 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(21 - 2) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(22 - 2) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (5/20/2013) | (0.11 - 0.1)/(23 - 2) | 0.00047619 |
| 0.127 (12/10/2018) | ND<0.1 U (5/20/2013) | (0.127 - 0.1)/(24 - 2) | 0.00122727 |
| 0.285 (4/15/2019) | ND<0.1 U (5/20/2013) | (0.285 - 0.1)/(25 - 2) | 0.00804348 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(26 - 2) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (5/20/2013) | (0.149 - 0.1)/(27 - 2) | 0.00196 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(28 - 2) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(29 - 2) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (5/20/2013) | (0.102 - 0.1)/(30 - 2) | 7.14286e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(31 - 2) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (5/20/2013) | (0.234 - 0.1)/(32 - 2) | 0.00446667 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(33 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(34 - 2) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(35 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(36 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/20/2013) | (0.1 - 0.1)/(37 - 2) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (5/20/2013) | (0.0569 - 0.1)/(38 - 2) | -0.00119722 |
| 0.0912 (8/7/2023) | ND<0.1 U (5/20/2013) | (0.0912 - 0.1)/(39 - 2) | -0.000237838 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (5/20/2013) | (0.035 - 0.1)/(40 - 2) | -0.00171053 |
| 0.0956 (1/10/2024) | ND<0.1 U (5/20/2013) | (0.0956 - 0.1)/(41 - 2) | -0.000112821 |
| 0.0739 (5/21/2024) | ND<0.1 U (5/20/2013) | (0.0739 - 0.1)/(42 - 2) | -0.0006525 |
| 0.108 (9/16/2024) | ND<0.1 U (5/20/2013) | (0.108 - 0.1)/(43 - 2) | 0.000195122 |
| 0.024 (12/11/2024) | ND<0.1 U (5/20/2013) | (0.024 - 0.1)/(44 - 2) | -0.00180952 |
| 0.102 (2/18/2025) | ND<0.1 U (5/20/2013) | (0.102 - 0.1)/(45 - 2) | 4.65116e-05 |
| | | | |
| ND<0.1 U (12/10/2013) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.1 U (2/6/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(10 - 3) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (9/23/2013) | (0.13 - 0.1)/(11 - 3) | 0.00375 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(12 - 3) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(13 - 3) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(14 - 3) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(15 - 3) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (9/23/2013) | (0.15 - 0.1)/(16 - 3) | 0.00384615 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(17 - 3) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(18 - 3) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(19 - 3) | 0 |

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|---|---|---|---|
| 0.11 (10/25/2017) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(20 - 3) | 0.000588235 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(21 - 3) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(22 - 3) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (9/23/2013) | (0.11 - 0.1)/(23 - 3) | 0.0005 |
| 0.127 (12/10/2018) | ND<0.1 U (9/23/2013) | (0.127 - 0.1)/(24 - 3) | 0.00128571 |
| 0.285 (4/15/2019) | ND<0.1 U (9/23/2013) | (0.285 - 0.1)/(25 - 3) | 0.00840909 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(26 - 3) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (9/23/2013) | (0.149 - 0.1)/(27 - 3) | 0.00204167 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(28 - 3) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(29 - 3) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (9/23/2013) | (0.102 - 0.1)/(30 - 3) | 7.40741e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(31 - 3) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (9/23/2013) | (0.234 - 0.1)/(32 - 3) | 0.00462069 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(33 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(34 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(35 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(36 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/23/2013) | (0.1 - 0.1)/(37 - 3) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (9/23/2013) | (0.0569 - 0.1)/(38 - 3) | -0.00123143 |
| 0.0912 (8/7/2023) | ND<0.1 U (9/23/2013) | (0.0912 - 0.1)/(39 - 3) | -0.000244444 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/23/2013) | (0.035 - 0.1)/(40 - 3) | -0.00175676 |
| 0.0956 (1/10/2024) | ND<0.1 U (9/23/2013) | (0.0956 - 0.1)/(41 - 3) | -0.000115789 |
| 0.0739 (5/21/2024) | ND<0.1 U (9/23/2013) | (0.0739 - 0.1)/(42 - 3) | -0.000669231 |
| 0.108 (9/16/2024) | ND<0.1 U (9/23/2013) | (0.108 - 0.1)/(43 - 3) | 0.0002 |
| 0.024 (12/11/2024) | ND<0.1 U (9/23/2013) | (0.024 - 0.1)/(44 - 3) | -0.00185366 |
| 0.102 (2/18/2025) | ND<0.1 U (9/23/2013) | (0.102 - 0.1)/(45 - 3) | 4.7619e-05 |
| | | | |
| ND<0.1 U (2/6/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(5 - 4) | 0 |
| ND<0.1 U (6/26/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(7 - 4) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(8 - 4) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(9 - 4) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(10 - 4) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (12/10/2013) | (0.13 - 0.1)/(11 - 4) | 0.00428571 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(12 - 4) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(13 - 4) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(14 - 4) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(15 - 4) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (12/10/2013) | (0.15 - 0.1)/(16 - 4) | 0.00416667 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(17 - 4) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(18 - 4) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(19 - 4) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (12/10/2013) | (0.11 - 0.1)/(20 - 4) | 0.000625 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(21 - 4) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(22 - 4) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (12/10/2013) | (0.11 - 0.1)/(23 - 4) | 0.000526316 |
| 0.127 (12/10/2018) | ND<0.1 U (12/10/2013) | (0.127 - 0.1)/(24 - 4) | 0.00135 |
| 0.285 (4/15/2019) | ND<0.1 U (12/10/2013) | (0.285 - 0.1)/(25 - 4) | 0.00880952 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(26 - 4) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (12/10/2013) | (0.149 - 0.1)/(27 - 4) | 0.00213043 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(28 - 4) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(29 - 4) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (12/10/2013) | (0.102 - 0.1)/(30 - 4) | 7.69231e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(31 - 4) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (12/10/2013) | (0.234 - 0.1)/(32 - 4) | 0.00478571 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(33 - 4) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(34 - 4) | 0 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(35 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(36 - 4) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/10/2013) | (0.1 - 0.1)/(37 - 4) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (12/10/2013) | (0.0569 - 0.1)/(38 - 4) | -0.00126765 |
| 0.0912 (8/7/2023) | ND<0.1 U (12/10/2013) | (0.0912 - 0.1)/(39 - 4) | -0.000251429 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (12/10/2013) | (0.035 - 0.1)/(40 - 4) | -0.00180556 |
| 0.0956 (1/10/2024) | ND<0.1 U (12/10/2013) | (0.0956 - 0.1)/(41 - 4) | -0.000118919 |
| 0.0739 (5/21/2024) | ND<0.1 U (12/10/2013) | (0.0739 - 0.1)/(42 - 4) | -0.000686842 |
| 0.108 (9/16/2024) | ND<0.1 U (12/10/2013) | (0.108 - 0.1)/(43 - 4) | 0.000205128 |
| 0.024 (12/11/2024) | ND<0.1 U (12/10/2013) | (0.024 - 0.1)/(44 - 4) | -0.0019 |
| 0.102 (2/18/2025) | ND<0.1 U (12/10/2013) | (0.102 - 0.1)/(45 - 4) | 4.87805e-05 |
| | | | |
| ND<0.1 U (6/26/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (9/30/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(10 - 5) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (2/6/2014) | (0.13 - 0.1)/(11 - 5) | 0.005 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(12 - 5) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(13 - 5) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(14 - 5) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(15 - 5) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (2/6/2014) | (0.15 - 0.1)/(16 - 5) | 0.00454545 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(17 - 5) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(18 - 5) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(19 - 5) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (2/6/2014) | (0.11 - 0.1)/(20 - 5) | 0.000666667 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(21 - 5) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(22 - 5) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (2/6/2014) | (0.11 - 0.1)/(23 - 5) | 0.000555556 |
| 0.127 (12/10/2018) | ND<0.1 U (2/6/2014) | (0.127 - 0.1)/(24 - 5) | 0.00142105 |
| 0.285 (4/15/2019) | ND<0.1 U (2/6/2014) | (0.285 - 0.1)/(25 - 5) | 0.00925 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(26 - 5) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (2/6/2014) | (0.149 - 0.1)/(27 - 5) | 0.00222727 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(28 - 5) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(29 - 5) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (2/6/2014) | (0.102 - 0.1)/(30 - 5) | 8e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(31 - 5) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (2/6/2014) | (0.234 - 0.1)/(32 - 5) | 0.00496296 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(33 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(34 - 5) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(35 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(36 - 5) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (2/6/2014) | (0.1 - 0.1)/(37 - 5) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (2/6/2014) | (0.0569 - 0.1)/(38 - 5) | -0.00130606 |
| 0.0912 (8/7/2023) | ND<0.1 U (2/6/2014) | (0.0912 - 0.1)/(39 - 5) | -0.000258824 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (2/6/2014) | (0.035 - 0.1)/(40 - 5) | -0.00185714 |
| 0.0956 (1/10/2024) | ND<0.1 U (2/6/2014) | (0.0956 - 0.1)/(41 - 5) | -0.000122222 |
| 0.0739 (5/21/2024) | ND<0.1 U (2/6/2014) | (0.0739 - 0.1)/(42 - 5) | -0.000705405 |
| 0.108 (9/16/2024) | ND<0.1 U (2/6/2014) | (0.108 - 0.1)/(43 - 5) | 0.000210526 |
| 0.024 (12/11/2024) | ND<0.1 U (2/6/2014) | (0.024 - 0.1)/(44 - 5) | -0.00194872 |
| 0.102 (2/18/2025) | ND<0.1 U (2/6/2014) | (0.102 - 0.1)/(45 - 5) | 5e-05 |
| | | | |
| ND<0.1 U (9/30/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (11/19/2014) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(10 - 6) | 0 |

| | | | |
|---|---|---|---|
| 0.13 (9/30/2015) | ND<0.1 U (6/26/2014) | (0.13 - 0.1)/(11 - 6) | 0.006 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(12 - 6) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(13 - 6) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(14 - 6) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(15 - 6) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (6/26/2014) | (0.15 - 0.1)/(16 - 6) | 0.005 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(17 - 6) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(18 - 6) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(19 - 6) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(20 - 6) | 0.000714286 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(21 - 6) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(22 - 6) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (6/26/2014) | (0.11 - 0.1)/(23 - 6) | 0.000588235 |
| 0.127 (12/10/2018) | ND<0.1 U (6/26/2014) | (0.127 - 0.1)/(24 - 6) | 0.0015 |
| 0.285 (4/15/2019) | ND<0.1 U (6/26/2014) | (0.285 - 0.1)/(25 - 6) | 0.00973684 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(26 - 6) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (6/26/2014) | (0.149 - 0.1)/(27 - 6) | 0.00233333 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(28 - 6) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(29 - 6) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (6/26/2014) | (0.102 - 0.1)/(30 - 6) | 8.33333e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(31 - 6) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (6/26/2014) | (0.234 - 0.1)/(32 - 6) | 0.00515385 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(33 - 6) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(34 - 6) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(35 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(36 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/26/2014) | (0.1 - 0.1)/(37 - 6) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (6/26/2014) | (0.0569 - 0.1)/(38 - 6) | -0.00134688 |
| 0.0912 (8/7/2023) | ND<0.1 U (6/26/2014) | (0.0912 - 0.1)/(39 - 6) | -0.000266667 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/26/2014) | (0.035 - 0.1)/(40 - 6) | -0.00191176 |
| 0.0956 (1/10/2024) | ND<0.1 U (6/26/2014) | (0.0956 - 0.1)/(41 - 6) | -0.000125714 |
| 0.0739 (5/21/2024) | ND<0.1 U (6/26/2014) | (0.0739 - 0.1)/(42 - 6) | -0.000725 |
| 0.108 (9/16/2024) | ND<0.1 U (6/26/2014) | (0.108 - 0.1)/(43 - 6) | 0.000216216 |
| 0.024 (12/11/2024) | ND<0.1 U (6/26/2014) | (0.024 - 0.1)/(44 - 6) | -0.002 |
| 0.102 (2/18/2025) | ND<0.1 U (6/26/2014) | (0.102 - 0.1)/(45 - 6) | 5.12821e-05 |
| | | | |
| ND<0.1 U (11/19/2014) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (3/23/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(10 - 7) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (9/30/2014) | (0.13 - 0.1)/(11 - 7) | 0.0075 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(12 - 7) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(13 - 7) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(14 - 7) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(15 - 7) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (9/30/2014) | (0.15 - 0.1)/(16 - 7) | 0.00555556 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(17 - 7) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(18 - 7) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(19 - 7) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(20 - 7) | 0.000769231 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(21 - 7) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(22 - 7) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (9/30/2014) | (0.11 - 0.1)/(23 - 7) | 0.000625 |
| 0.127 (12/10/2018) | ND<0.1 U (9/30/2014) | (0.127 - 0.1)/(24 - 7) | 0.00158824 |
| 0.285 (4/15/2019) | ND<0.1 U (9/30/2014) | (0.285 - 0.1)/(25 - 7) | 0.0102778 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(26 - 7) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (9/30/2014) | (0.149 - 0.1)/(27 - 7) | 0.00245 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(28 - 7) | 0 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(29 - 7) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (9/30/2014) | (0.102 - 0.1)/(30 - 7) | 8.69565e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(31 - 7) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (9/30/2014) | (0.234 - 0.1)/(32 - 7) | 0.00536 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(33 - 7) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(34 - 7) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(35 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(36 - 7) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/30/2014) | (0.1 - 0.1)/(37 - 7) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (9/30/2014) | (0.0569 - 0.1)/(38 - 7) | -0.00139032 |
| 0.0912 (8/7/2023) | ND<0.1 U (9/30/2014) | (0.0912 - 0.1)/(39 - 7) | -0.000275 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/30/2014) | (0.035 - 0.1)/(40 - 7) | -0.0019697 |
| 0.0956 (1/10/2024) | ND<0.1 U (9/30/2014) | (0.0956 - 0.1)/(41 - 7) | -0.000129412 |
| 0.0739 (5/21/2024) | ND<0.1 U (9/30/2014) | (0.0739 - 0.1)/(42 - 7) | -0.000745714 |
| 0.108 (9/16/2024) | ND<0.1 U (9/30/2014) | (0.108 - 0.1)/(43 - 7) | 0.000222222 |
| 0.024 (12/11/2024) | ND<0.1 U (9/30/2014) | (0.024 - 0.1)/(44 - 7) | -0.00205405 |
| 0.102 (2/18/2025) | ND<0.1 U (9/30/2014) | (0.102 - 0.1)/(45 - 7) | 5.26316e-05 |
| | | | |
| ND<0.1 U (3/23/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (4/22/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(10 - 8) | 0 |
| 0.13 (9/30/2015) | ND<0.1 U (11/19/2014) | (0.13 - 0.1)/(11 - 8) | 0.01 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(12 - 8) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(13 - 8) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(14 - 8) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(15 - 8) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (11/19/2014) | (0.15 - 0.1)/(16 - 8) | 0.00625 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(17 - 8) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(18 - 8) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(19 - 8) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (11/19/2014) | (0.11 - 0.1)/(20 - 8) | 0.000833333 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(21 - 8) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(22 - 8) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (11/19/2014) | (0.11 - 0.1)/(23 - 8) | 0.000666667 |
| 0.127 (12/10/2018) | ND<0.1 U (11/19/2014) | (0.127 - 0.1)/(24 - 8) | 0.0016875 |
| 0.285 (4/15/2019) | ND<0.1 U (11/19/2014) | (0.285 - 0.1)/(25 - 8) | 0.0108824 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(26 - 8) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (11/19/2014) | (0.149 - 0.1)/(27 - 8) | 0.00257895 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(28 - 8) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(29 - 8) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (11/19/2014) | (0.102 - 0.1)/(30 - 8) | 9.09091e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(31 - 8) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (11/19/2014) | (0.234 - 0.1)/(32 - 8) | 0.00558333 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(33 - 8) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(34 - 8) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(35 - 8) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(36 - 8) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/19/2014) | (0.1 - 0.1)/(37 - 8) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (11/19/2014) | (0.0569 - 0.1)/(38 - 8) | -0.00143667 |
| 0.0912 (8/7/2023) | ND<0.1 U (11/19/2014) | (0.0912 - 0.1)/(39 - 8) | -0.000283871 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/19/2014) | (0.035 - 0.1)/(40 - 8) | -0.00203125 |
| 0.0956 (1/10/2024) | ND<0.1 U (11/19/2014) | (0.0956 - 0.1)/(41 - 8) | -0.000133333 |
| 0.0739 (5/21/2024) | ND<0.1 U (11/19/2014) | (0.0739 - 0.1)/(42 - 8) | -0.000767647 |
| 0.108 (9/16/2024) | ND<0.1 U (11/19/2014) | (0.108 - 0.1)/(43 - 8) | 0.000228571 |
| 0.024 (12/11/2024) | ND<0.1 U (11/19/2014) | (0.024 - 0.1)/(44 - 8) | -0.00211111 |
| 0.102 (2/18/2025) | ND<0.1 U (11/19/2014) | (0.102 - 0.1)/(45 - 8) | 5.40541e-05 |
| | | | |
| ND<0.1 U (4/22/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(10 - 9) | 0 |

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|---|---|---|---|
| 0.13 (9/30/2015) | ND<0.1 U (3/23/2015) | (0.13 - 0.1)/(11 - 9) | 0.015 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(12 - 9) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(13 - 9) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(14 - 9) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(15 - 9) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (3/23/2015) | (0.15 - 0.1)/(16 - 9) | 0.00714286 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(17 - 9) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(18 - 9) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(19 - 9) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (3/23/2015) | (0.11 - 0.1)/(20 - 9) | 0.000909091 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(21 - 9) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(22 - 9) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (3/23/2015) | (0.11 - 0.1)/(23 - 9) | 0.000714286 |
| 0.127 (12/10/2018) | ND<0.1 U (3/23/2015) | (0.127 - 0.1)/(24 - 9) | 0.0018 |
| 0.285 (4/15/2019) | ND<0.1 U (3/23/2015) | (0.285 - 0.1)/(25 - 9) | 0.0115625 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(26 - 9) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (3/23/2015) | (0.149 - 0.1)/(27 - 9) | 0.00272222 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(28 - 9) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(29 - 9) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (3/23/2015) | (0.102 - 0.1)/(30 - 9) | 9.52381e-05 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(31 - 9) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (3/23/2015) | (0.234 - 0.1)/(32 - 9) | 0.00582609 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(33 - 9) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(34 - 9) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(35 - 9) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(36 - 9) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/23/2015) | (0.1 - 0.1)/(37 - 9) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (3/23/2015) | (0.0569 - 0.1)/(38 - 9) | -0.00148621 |
| 0.0912 (8/7/2023) | ND<0.1 U (3/23/2015) | (0.0912 - 0.1)/(39 - 9) | -0.000293333 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/23/2015) | (0.035 - 0.1)/(40 - 9) | -0.00209677 |
| 0.0956 (1/10/2024) | ND<0.1 U (3/23/2015) | (0.0956 - 0.1)/(41 - 9) | -0.0001375 |
| 0.0739 (5/21/2024) | ND<0.1 U (3/23/2015) | (0.0739 - 0.1)/(42 - 9) | -0.000790909 |
| 0.108 (9/16/2024) | ND<0.1 U (3/23/2015) | (0.108 - 0.1)/(43 - 9) | 0.000235294 |
| 0.024 (12/11/2024) | ND<0.1 U (3/23/2015) | (0.024 - 0.1)/(44 - 9) | -0.00217143 |
| 0.102 (2/18/2025) | ND<0.1 U (3/23/2015) | (0.102 - 0.1)/(45 - 9) | 5.55556e-05 |
| | | | |
| 0.13 (9/30/2015) | ND<0.1 U (4/22/2015) | (0.13 - 0.1)/(11 - 10) | 0.03 |
| ND<0.1 U (11/19/2015) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(12 - 10) | 0 |
| ND<0.1 U (3/15/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(13 - 10) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(14 - 10) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(15 - 10) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (4/22/2015) | (0.15 - 0.1)/(16 - 10) | 0.00833333 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(17 - 10) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(18 - 10) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(19 - 10) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (4/22/2015) | (0.11 - 0.1)/(20 - 10) | 0.001 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(21 - 10) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(22 - 10) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (4/22/2015) | (0.11 - 0.1)/(23 - 10) | 0.000769231 |
| 0.127 (12/10/2018) | ND<0.1 U (4/22/2015) | (0.127 - 0.1)/(24 - 10) | 0.00192857 |
| 0.285 (4/15/2019) | ND<0.1 U (4/22/2015) | (0.285 - 0.1)/(25 - 10) | 0.0123333 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(26 - 10) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (4/22/2015) | (0.149 - 0.1)/(27 - 10) | 0.00288235 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(28 - 10) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(29 - 10) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (4/22/2015) | (0.102 - 0.1)/(30 - 10) | 0.0001 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(31 - 10) | 0 |

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|---|---|---|---|
| 0.234 (9/2/2021) | ND<0.1 U (4/22/2015) | (0.234 - 0.1)/(32 - 10) | 0.00609091 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(33 - 10) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(34 - 10) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(35 - 10) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(36 - 10) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/22/2015) | (0.1 - 0.1)/(37 - 10) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (4/22/2015) | (0.0569 - 0.1)/(38 - 10) | -0.00153929 |
| 0.0912 (8/7/2023) | ND<0.1 U (4/22/2015) | (0.0912 - 0.1)/(39 - 10) | -0.000303448 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (4/22/2015) | (0.035 - 0.1)/(40 - 10) | -0.00216667 |
| 0.0956 (1/10/2024) | ND<0.1 U (4/22/2015) | (0.0956 - 0.1)/(41 - 10) | -0.000141935 |
| 0.0739 (5/21/2024) | ND<0.1 U (4/22/2015) | (0.0739 - 0.1)/(42 - 10) | -0.000815625 |
| 0.108 (9/16/2024) | ND<0.1 U (4/22/2015) | (0.108 - 0.1)/(43 - 10) | 0.000242424 |
| 0.024 (12/11/2024) | ND<0.1 U (4/22/2015) | (0.024 - 0.1)/(44 - 10) | -0.00223529 |
| 0.102 (2/18/2025) | ND<0.1 U (4/22/2015) | (0.102 - 0.1)/(45 - 10) | 5.71429e-05 |
| | | | |
| ND<0.1 U (11/19/2015) | 0.13 (9/30/2015) | (0.1 - 0.13)/(12 - 11) | -0.03 |
| ND<0.1 U (3/15/2016) | 0.13 (9/30/2015) | (0.1 - 0.13)/(13 - 11) | -0.015 |
| ND<0.1 U (6/29/2016) | 0.13 (9/30/2015) | (0.1 - 0.13)/(14 - 11) | -0.01 |
| ND<0.1 U (8/9/2016) | 0.13 (9/30/2015) | (0.1 - 0.13)/(15 - 11) | -0.0075 |
| 0.15 (12/7/2016) | 0.13 (9/30/2015) | (0.15 - 0.13)/(16 - 11) | 0.004 |
| ND<0.1 U (3/2/2017) | 0.13 (9/30/2015) | (0.1 - 0.13)/(17 - 11) | -0.005 |
| ND<0.1 U (7/5/2017) | 0.13 (9/30/2015) | (0.1 - 0.13)/(18 - 11) | -0.00428571 |
| ND<0.1 U (8/16/2017) | 0.13 (9/30/2015) | (0.1 - 0.13)/(19 - 11) | -0.00375 |
| 0.11 (10/25/2017) | 0.13 (9/30/2015) | (0.11 - 0.13)/(20 - 11) | -0.00222222 |
| ND<0.1 U (3/28/2018) | 0.13 (9/30/2015) | (0.1 - 0.13)/(21 - 11) | -0.003 |
| ND<0.1 U (6/29/2018) | 0.13 (9/30/2015) | (0.1 - 0.13)/(22 - 11) | -0.00272727 |
| 0.11 (8/2/2018) | 0.13 (9/30/2015) | (0.11 - 0.13)/(23 - 11) | -0.00166667 |
| 0.127 (12/10/2018) | 0.13 (9/30/2015) | (0.127 - 0.13)/(24 - 11) | -0.000230769 |
| 0.285 (4/15/2019) | 0.13 (9/30/2015) | (0.285 - 0.13)/(25 - 11) | 0.0110714 |
| ND<0.1 U (6/12/2019) | 0.13 (9/30/2015) | (0.1 - 0.13)/(26 - 11) | -0.002 |
| 0.149 (8/27/2019) | 0.13 (9/30/2015) | (0.149 - 0.13)/(27 - 11) | 0.0011875 |
| ND<0.1 U (10/29/2019) | 0.13 (9/30/2015) | (0.1 - 0.13)/(28 - 11) | -0.00176471 |
| ND<0.1 U (3/30/2020) | 0.13 (9/30/2015) | (0.1 - 0.13)/(29 - 11) | -0.00166667 |
| 0.102 (6/16/2020) | 0.13 (9/30/2015) | (0.102 - 0.13)/(30 - 11) | -0.00147368 |
| ND<0.1 U (9/21/2020) | 0.13 (9/30/2015) | (0.1 - 0.13)/(31 - 11) | -0.0015 |
| 0.234 (9/2/2021) | 0.13 (9/30/2015) | (0.234 - 0.13)/(32 - 11) | 0.00495238 |
| ND<0.1 U (1/11/2022) | 0.13 (9/30/2015) | (0.1 - 0.13)/(33 - 11) | -0.00136364 |
| ND<0.1 U (4/7/2022) | 0.13 (9/30/2015) | (0.1 - 0.13)/(34 - 11) | -0.00130435 |
| ND<0.1 U (8/2/2022) | 0.13 (9/30/2015) | (0.1 - 0.13)/(35 - 11) | -0.00125 |
| ND<0.1 U (11/16/2022) | 0.13 (9/30/2015) | (0.1 - 0.13)/(36 - 11) | -0.0012 |
| ND<0.1 U (2/14/2023) | 0.13 (9/30/2015) | (0.1 - 0.13)/(37 - 11) | -0.00115385 |
| 0.0569 (5/25/2023) | 0.13 (9/30/2015) | (0.0569 - 0.13)/(38 - 11) | -0.00270741 |
| 0.0912 (8/7/2023) | 0.13 (9/30/2015) | (0.0912 - 0.13)/(39 - 11) | -0.00138571 |
| ND<0.035 U (12/12/2023) | 0.13 (9/30/2015) | (0.035 - 0.13)/(40 - 11) | -0.00327586 |
| 0.0956 (1/10/2024) | 0.13 (9/30/2015) | (0.0956 - 0.13)/(41 - 11) | -0.00114667 |
| 0.0739 (5/21/2024) | 0.13 (9/30/2015) | (0.0739 - 0.13)/(42 - 11) | -0.00180968 |
| 0.108 (9/16/2024) | 0.13 (9/30/2015) | (0.108 - 0.13)/(43 - 11) | -0.0006875 |
| 0.024 (12/11/2024) | 0.13 (9/30/2015) | (0.024 - 0.13)/(44 - 11) | -0.00321212 |
| 0.102 (2/18/2025) | 0.13 (9/30/2015) | (0.102 - 0.13)/(45 - 11) | -0.000823529 |
| | | | |
| ND<0.1 U (3/15/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(13 - 12) | 0 |
| ND<0.1 U (6/29/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(14 - 12) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(15 - 12) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (11/19/2015) | (0.15 - 0.1)/(16 - 12) | 0.0125 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(17 - 12) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(18 - 12) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(19 - 12) | 0 |

| | | | |
|---|---|---|---|
| 0.11 (10/25/2017) | ND<0.1 U (11/19/2015) | (0.11 - 0.1)/(20 - 12) | 0.00125 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(21 - 12) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(22 - 12) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (11/19/2015) | (0.11 - 0.1)/(23 - 12) | 0.000909091 |
| 0.127 (12/10/2018) | ND<0.1 U (11/19/2015) | (0.127 - 0.1)/(24 - 12) | 0.00225 |
| 0.285 (4/15/2019) | ND<0.1 U (11/19/2015) | (0.285 - 0.1)/(25 - 12) | 0.0142308 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(26 - 12) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (11/19/2015) | (0.149 - 0.1)/(27 - 12) | 0.00326667 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(28 - 12) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(29 - 12) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (11/19/2015) | (0.102 - 0.1)/(30 - 12) | 0.000111111 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(31 - 12) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (11/19/2015) | (0.234 - 0.1)/(32 - 12) | 0.0067 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(33 - 12) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(34 - 12) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(35 - 12) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(36 - 12) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/19/2015) | (0.1 - 0.1)/(37 - 12) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (11/19/2015) | (0.0569 - 0.1)/(38 - 12) | -0.00165769 |
| 0.0912 (8/7/2023) | ND<0.1 U (11/19/2015) | (0.0912 - 0.1)/(39 - 12) | -0.000325926 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/19/2015) | (0.035 - 0.1)/(40 - 12) | -0.00232143 |
| 0.0956 (1/10/2024) | ND<0.1 U (11/19/2015) | (0.0956 - 0.1)/(41 - 12) | -0.000151724 |
| 0.0739 (5/21/2024) | ND<0.1 U (11/19/2015) | (0.0739 - 0.1)/(42 - 12) | -0.00087 |
| 0.108 (9/16/2024) | ND<0.1 U (11/19/2015) | (0.108 - 0.1)/(43 - 12) | 0.000258065 |
| 0.024 (12/11/2024) | ND<0.1 U (11/19/2015) | (0.024 - 0.1)/(44 - 12) | -0.002375 |
| 0.102 (2/18/2025) | ND<0.1 U (11/19/2015) | (0.102 - 0.1)/(45 - 12) | 6.06061e-05 |
| | | | |
| ND<0.1 U (6/29/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(14 - 13) | 0 |
| ND<0.1 U (8/9/2016) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(15 - 13) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (3/15/2016) | (0.15 - 0.1)/(16 - 13) | 0.0166667 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(17 - 13) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(18 - 13) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(19 - 13) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (3/15/2016) | (0.11 - 0.1)/(20 - 13) | 0.00142857 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(21 - 13) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(22 - 13) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (3/15/2016) | (0.11 - 0.1)/(23 - 13) | 0.001 |
| 0.127 (12/10/2018) | ND<0.1 U (3/15/2016) | (0.127 - 0.1)/(24 - 13) | 0.00245455 |
| 0.285 (4/15/2019) | ND<0.1 U (3/15/2016) | (0.285 - 0.1)/(25 - 13) | 0.0154167 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(26 - 13) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (3/15/2016) | (0.149 - 0.1)/(27 - 13) | 0.0035 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(28 - 13) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(29 - 13) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (3/15/2016) | (0.102 - 0.1)/(30 - 13) | 0.000117647 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(31 - 13) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (3/15/2016) | (0.234 - 0.1)/(32 - 13) | 0.00705263 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(33 - 13) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(34 - 13) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(35 - 13) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(36 - 13) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/15/2016) | (0.1 - 0.1)/(37 - 13) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (3/15/2016) | (0.0569 - 0.1)/(38 - 13) | -0.001724 |
| 0.0912 (8/7/2023) | ND<0.1 U (3/15/2016) | (0.0912 - 0.1)/(39 - 13) | -0.000338462 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/15/2016) | (0.035 - 0.1)/(40 - 13) | -0.00240741 |
| 0.0956 (1/10/2024) | ND<0.1 U (3/15/2016) | (0.0956 - 0.1)/(41 - 13) | -0.000157143 |
| 0.0739 (5/21/2024) | ND<0.1 U (3/15/2016) | (0.0739 - 0.1)/(42 - 13) | -0.0009 |
| 0.108 (9/16/2024) | ND<0.1 U (3/15/2016) | (0.108 - 0.1)/(43 - 13) | 0.000266667 |

| | | | |
|---|---|---|---|
| 0.024 (12/11/2024) | ND<0.1 U (3/15/2016) | (0.024 - 0.1)/(44 - 13) | -0.00245161 |
| 0.102 (2/18/2025) | ND<0.1 U (3/15/2016) | (0.102 - 0.1)/(45 - 13) | 6.25e-05 |
| | | | |
| ND<0.1 U (8/9/2016) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(15 - 14) | 0 |
| 0.15 (12/7/2016) | ND<0.1 U (6/29/2016) | (0.15 - 0.1)/(16 - 14) | 0.025 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(17 - 14) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(18 - 14) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(19 - 14) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (6/29/2016) | (0.11 - 0.1)/(20 - 14) | 0.00166667 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(21 - 14) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(22 - 14) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (6/29/2016) | (0.11 - 0.1)/(23 - 14) | 0.00111111 |
| 0.127 (12/10/2018) | ND<0.1 U (6/29/2016) | (0.127 - 0.1)/(24 - 14) | 0.0027 |
| 0.285 (4/15/2019) | ND<0.1 U (6/29/2016) | (0.285 - 0.1)/(25 - 14) | 0.0168182 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(26 - 14) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (6/29/2016) | (0.149 - 0.1)/(27 - 14) | 0.00376923 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(28 - 14) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(29 - 14) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (6/29/2016) | (0.102 - 0.1)/(30 - 14) | 0.000125 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(31 - 14) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (6/29/2016) | (0.234 - 0.1)/(32 - 14) | 0.00744444 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(33 - 14) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(34 - 14) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(35 - 14) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(36 - 14) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2016) | (0.1 - 0.1)/(37 - 14) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (6/29/2016) | (0.0569 - 0.1)/(38 - 14) | -0.00179583 |
| 0.0912 (8/7/2023) | ND<0.1 U (6/29/2016) | (0.0912 - 0.1)/(39 - 14) | -0.000352 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/29/2016) | (0.035 - 0.1)/(40 - 14) | -0.0025 |
| 0.0956 (1/10/2024) | ND<0.1 U (6/29/2016) | (0.0956 - 0.1)/(41 - 14) | -0.000162963 |
| 0.0739 (5/21/2024) | ND<0.1 U (6/29/2016) | (0.0739 - 0.1)/(42 - 14) | -0.000932143 |
| 0.108 (9/16/2024) | ND<0.1 U (6/29/2016) | (0.108 - 0.1)/(43 - 14) | 0.000275862 |
| 0.024 (12/11/2024) | ND<0.1 U (6/29/2016) | (0.024 - 0.1)/(44 - 14) | -0.00253333 |
| 0.102 (2/18/2025) | ND<0.1 U (6/29/2016) | (0.102 - 0.1)/(45 - 14) | 6.45161e-05 |
| | | | |
| 0.15 (12/7/2016) | ND<0.1 U (8/9/2016) | (0.15 - 0.1)/(16 - 15) | 0.05 |
| ND<0.1 U (3/2/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(17 - 15) | 0 |
| ND<0.1 U (7/5/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(18 - 15) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(19 - 15) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (8/9/2016) | (0.11 - 0.1)/(20 - 15) | 0.002 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(21 - 15) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(22 - 15) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (8/9/2016) | (0.11 - 0.1)/(23 - 15) | 0.00125 |
| 0.127 (12/10/2018) | ND<0.1 U (8/9/2016) | (0.127 - 0.1)/(24 - 15) | 0.003 |
| 0.285 (4/15/2019) | ND<0.1 U (8/9/2016) | (0.285 - 0.1)/(25 - 15) | 0.0185 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(26 - 15) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (8/9/2016) | (0.149 - 0.1)/(27 - 15) | 0.00408333 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(28 - 15) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(29 - 15) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (8/9/2016) | (0.102 - 0.1)/(30 - 15) | 0.000133333 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(31 - 15) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (8/9/2016) | (0.234 - 0.1)/(32 - 15) | 0.00788235 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(33 - 15) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(34 - 15) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(35 - 15) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(36 - 15) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/9/2016) | (0.1 - 0.1)/(37 - 15) | 0 |

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|---|---|---|---|
| 0.0569 (5/25/2023) | ND<0.1 U (8/9/2016) | (0.0569 - 0.1)/(38 - 15) | -0.00187391 |
| 0.0912 (8/7/2023) | ND<0.1 U (8/9/2016) | (0.0912 - 0.1)/(39 - 15) | -0.000366667 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/9/2016) | (0.035 - 0.1)/(40 - 15) | -0.0026 |
| 0.0956 (1/10/2024) | ND<0.1 U (8/9/2016) | (0.0956 - 0.1)/(41 - 15) | -0.000169231 |
| 0.0739 (5/21/2024) | ND<0.1 U (8/9/2016) | (0.0739 - 0.1)/(42 - 15) | -0.000966667 |
| 0.108 (9/16/2024) | ND<0.1 U (8/9/2016) | (0.108 - 0.1)/(43 - 15) | 0.000285714 |
| 0.024 (12/11/2024) | ND<0.1 U (8/9/2016) | (0.024 - 0.1)/(44 - 15) | -0.00262069 |
| 0.102 (2/18/2025) | ND<0.1 U (8/9/2016) | (0.102 - 0.1)/(45 - 15) | 6.66667e-05 |
| | | | |
| ND<0.1 U (3/2/2017) | 0.15 (12/7/2016) | (0.1 - 0.15)/(17 - 16) | -0.05 |
| ND<0.1 U (7/5/2017) | 0.15 (12/7/2016) | (0.1 - 0.15)/(18 - 16) | -0.025 |
| ND<0.1 U (8/16/2017) | 0.15 (12/7/2016) | (0.1 - 0.15)/(19 - 16) | -0.0166667 |
| 0.11 (10/25/2017) | 0.15 (12/7/2016) | (0.11 - 0.15)/(20 - 16) | -0.01 |
| ND<0.1 U (3/28/2018) | 0.15 (12/7/2016) | (0.1 - 0.15)/(21 - 16) | -0.01 |
| ND<0.1 U (6/29/2018) | 0.15 (12/7/2016) | (0.1 - 0.15)/(22 - 16) | -0.00833333 |
| 0.11 (8/2/2018) | 0.15 (12/7/2016) | (0.11 - 0.15)/(23 - 16) | -0.00571429 |
| 0.127 (12/10/2018) | 0.15 (12/7/2016) | (0.127 - 0.15)/(24 - 16) | -0.002875 |
| 0.285 (4/15/2019) | 0.15 (12/7/2016) | (0.285 - 0.15)/(25 - 16) | 0.015 |
| ND<0.1 U (6/12/2019) | 0.15 (12/7/2016) | (0.1 - 0.15)/(26 - 16) | -0.005 |
| 0.149 (8/27/2019) | 0.15 (12/7/2016) | (0.149 - 0.15)/(27 - 16) | -9.09091e-05 |
| ND<0.1 U (10/29/2019) | 0.15 (12/7/2016) | (0.1 - 0.15)/(28 - 16) | -0.00416667 |
| ND<0.1 U (3/30/2020) | 0.15 (12/7/2016) | (0.1 - 0.15)/(29 - 16) | -0.00384615 |
| 0.102 (6/16/2020) | 0.15 (12/7/2016) | (0.102 - 0.15)/(30 - 16) | -0.00342857 |
| ND<0.1 U (9/21/2020) | 0.15 (12/7/2016) | (0.1 - 0.15)/(31 - 16) | -0.00333333 |
| 0.234 (9/2/2021) | 0.15 (12/7/2016) | (0.234 - 0.15)/(32 - 16) | 0.00525 |
| ND<0.1 U (1/11/2022) | 0.15 (12/7/2016) | (0.1 - 0.15)/(33 - 16) | -0.00294118 |
| ND<0.1 U (4/7/2022) | 0.15 (12/7/2016) | (0.1 - 0.15)/(34 - 16) | -0.00277778 |
| ND<0.1 U (8/2/2022) | 0.15 (12/7/2016) | (0.1 - 0.15)/(35 - 16) | -0.00263158 |
| ND<0.1 U (11/16/2022) | 0.15 (12/7/2016) | (0.1 - 0.15)/(36 - 16) | -0.0025 |
| ND<0.1 U (2/14/2023) | 0.15 (12/7/2016) | (0.1 - 0.15)/(37 - 16) | -0.00238095 |
| 0.0569 (5/25/2023) | 0.15 (12/7/2016) | (0.0569 - 0.15)/(38 - 16) | -0.00423182 |
| 0.0912 (8/7/2023) | 0.15 (12/7/2016) | (0.0912 - 0.15)/(39 - 16) | -0.00255652 |
| ND<0.035 U (12/12/2023) | 0.15 (12/7/2016) | (0.035 - 0.15)/(40 - 16) | -0.00479167 |
| 0.0956 (1/10/2024) | 0.15 (12/7/2016) | (0.0956 - 0.15)/(41 - 16) | -0.002176 |
| 0.0739 (5/21/2024) | 0.15 (12/7/2016) | (0.0739 - 0.15)/(42 - 16) | -0.00292692 |
| 0.108 (9/16/2024) | 0.15 (12/7/2016) | (0.108 - 0.15)/(43 - 16) | -0.00155556 |
| 0.024 (12/11/2024) | 0.15 (12/7/2016) | (0.024 - 0.15)/(44 - 16) | -0.0045 |
| 0.102 (2/18/2025) | 0.15 (12/7/2016) | (0.102 - 0.15)/(45 - 16) | -0.00165517 |
| | | | |
| ND<0.1 U (7/5/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(18 - 17) | 0 |
| ND<0.1 U (8/16/2017) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(19 - 17) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (3/2/2017) | (0.11 - 0.1)/(20 - 17) | 0.00333333 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(21 - 17) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(22 - 17) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (3/2/2017) | (0.11 - 0.1)/(23 - 17) | 0.00166667 |
| 0.127 (12/10/2018) | ND<0.1 U (3/2/2017) | (0.127 - 0.1)/(24 - 17) | 0.00385714 |
| 0.285 (4/15/2019) | ND<0.1 U (3/2/2017) | (0.285 - 0.1)/(25 - 17) | 0.023125 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(26 - 17) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (3/2/2017) | (0.149 - 0.1)/(27 - 17) | 0.0049 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(28 - 17) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(29 - 17) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (3/2/2017) | (0.102 - 0.1)/(30 - 17) | 0.000153846 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(31 - 17) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (3/2/2017) | (0.234 - 0.1)/(32 - 17) | 0.00893333 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(33 - 17) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(34 - 17) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(35 - 17) | 0 |

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|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(36 - 17) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/2/2017) | (0.1 - 0.1)/(37 - 17) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (3/2/2017) | (0.0569 - 0.1)/(38 - 17) | -0.00205238 |
| 0.0912 (8/7/2023) | ND<0.1 U (3/2/2017) | (0.0912 - 0.1)/(39 - 17) | -0.0004 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/2/2017) | (0.035 - 0.1)/(40 - 17) | -0.00282609 |
| 0.0956 (1/10/2024) | ND<0.1 U (3/2/2017) | (0.0956 - 0.1)/(41 - 17) | -0.000183333 |
| 0.0739 (5/21/2024) | ND<0.1 U (3/2/2017) | (0.0739 - 0.1)/(42 - 17) | -0.001044 |
| 0.108 (9/16/2024) | ND<0.1 U (3/2/2017) | (0.108 - 0.1)/(43 - 17) | 0.000307692 |
| 0.024 (12/11/2024) | ND<0.1 U (3/2/2017) | (0.024 - 0.1)/(44 - 17) | -0.00281481 |
| 0.102 (2/18/2025) | ND<0.1 U (3/2/2017) | (0.102 - 0.1)/(45 - 17) | 7.14286e-05 |
| | | | |
| ND<0.1 U (8/16/2017) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(19 - 18) | 0 |
| 0.11 (10/25/2017) | ND<0.1 U (7/5/2017) | (0.11 - 0.1)/(20 - 18) | 0.005 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(21 - 18) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(22 - 18) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (7/5/2017) | (0.11 - 0.1)/(23 - 18) | 0.002 |
| 0.127 (12/10/2018) | ND<0.1 U (7/5/2017) | (0.127 - 0.1)/(24 - 18) | 0.0045 |
| 0.285 (4/15/2019) | ND<0.1 U (7/5/2017) | (0.285 - 0.1)/(25 - 18) | 0.0264286 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(26 - 18) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (7/5/2017) | (0.149 - 0.1)/(27 - 18) | 0.00544444 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(28 - 18) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(29 - 18) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (7/5/2017) | (0.102 - 0.1)/(30 - 18) | 0.000166667 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(31 - 18) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (7/5/2017) | (0.234 - 0.1)/(32 - 18) | 0.00957143 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(33 - 18) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(34 - 18) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(35 - 18) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(36 - 18) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (7/5/2017) | (0.1 - 0.1)/(37 - 18) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (7/5/2017) | (0.0569 - 0.1)/(38 - 18) | -0.002155 |
| 0.0912 (8/7/2023) | ND<0.1 U (7/5/2017) | (0.0912 - 0.1)/(39 - 18) | -0.000419048 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (7/5/2017) | (0.035 - 0.1)/(40 - 18) | -0.00295455 |
| 0.0956 (1/10/2024) | ND<0.1 U (7/5/2017) | (0.0956 - 0.1)/(41 - 18) | -0.000191304 |
| 0.0739 (5/21/2024) | ND<0.1 U (7/5/2017) | (0.0739 - 0.1)/(42 - 18) | -0.0010875 |
| 0.108 (9/16/2024) | ND<0.1 U (7/5/2017) | (0.108 - 0.1)/(43 - 18) | 0.00032 |
| 0.024 (12/11/2024) | ND<0.1 U (7/5/2017) | (0.024 - 0.1)/(44 - 18) | -0.00292308 |
| 0.102 (2/18/2025) | ND<0.1 U (7/5/2017) | (0.102 - 0.1)/(45 - 18) | 7.40741e-05 |
| | | | |
| 0.11 (10/25/2017) | ND<0.1 U (8/16/2017) | (0.11 - 0.1)/(20 - 19) | 0.01 |
| ND<0.1 U (3/28/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(21 - 19) | 0 |
| ND<0.1 U (6/29/2018) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(22 - 19) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (8/16/2017) | (0.11 - 0.1)/(23 - 19) | 0.0025 |
| 0.127 (12/10/2018) | ND<0.1 U (8/16/2017) | (0.127 - 0.1)/(24 - 19) | 0.0054 |
| 0.285 (4/15/2019) | ND<0.1 U (8/16/2017) | (0.285 - 0.1)/(25 - 19) | 0.0308333 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(26 - 19) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (8/16/2017) | (0.149 - 0.1)/(27 - 19) | 0.006125 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(28 - 19) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(29 - 19) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (8/16/2017) | (0.102 - 0.1)/(30 - 19) | 0.000181818 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(31 - 19) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (8/16/2017) | (0.234 - 0.1)/(32 - 19) | 0.0103077 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(33 - 19) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(34 - 19) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(35 - 19) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(36 - 19) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/16/2017) | (0.1 - 0.1)/(37 - 19) | 0 |

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|---|---|---|---|
| 0.0569 (5/25/2023) | ND<0.1 U (8/16/2017) | (0.0569 - 0.1)/(38 - 19) | -0.00226842 |
| 0.0912 (8/7/2023) | ND<0.1 U (8/16/2017) | (0.0912 - 0.1)/(39 - 19) | -0.00044 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/16/2017) | (0.035 - 0.1)/(40 - 19) | -0.00309524 |
| 0.0956 (1/10/2024) | ND<0.1 U (8/16/2017) | (0.0956 - 0.1)/(41 - 19) | -0.0002 |
| 0.0739 (5/21/2024) | ND<0.1 U (8/16/2017) | (0.0739 - 0.1)/(42 - 19) | -0.00113478 |
| 0.108 (9/16/2024) | ND<0.1 U (8/16/2017) | (0.108 - 0.1)/(43 - 19) | 0.000333333 |
| 0.024 (12/11/2024) | ND<0.1 U (8/16/2017) | (0.024 - 0.1)/(44 - 19) | -0.00304 |
| 0.102 (2/18/2025) | ND<0.1 U (8/16/2017) | (0.102 - 0.1)/(45 - 19) | 7.69231e-05 |
| | | | |
| ND<0.1 U (3/28/2018) | 0.11 (10/25/2017) | (0.1 - 0.11)/(21 - 20) | -0.01 |
| ND<0.1 U (6/29/2018) | 0.11 (10/25/2017) | (0.1 - 0.11)/(22 - 20) | -0.005 |
| 0.11 (8/2/2018) | 0.11 (10/25/2017) | (0.11 - 0.11)/(23 - 20) | 0 |
| 0.127 (12/10/2018) | 0.11 (10/25/2017) | (0.127 - 0.11)/(24 - 20) | 0.00425 |
| 0.285 (4/15/2019) | 0.11 (10/25/2017) | (0.285 - 0.11)/(25 - 20) | 0.035 |
| ND<0.1 U (6/12/2019) | 0.11 (10/25/2017) | (0.1 - 0.11)/(26 - 20) | -0.00166667 |
| 0.149 (8/27/2019) | 0.11 (10/25/2017) | (0.149 - 0.11)/(27 - 20) | 0.00557143 |
| ND<0.1 U (10/29/2019) | 0.11 (10/25/2017) | (0.1 - 0.11)/(28 - 20) | -0.00125 |
| ND<0.1 U (3/30/2020) | 0.11 (10/25/2017) | (0.1 - 0.11)/(29 - 20) | -0.00111111 |
| 0.102 (6/16/2020) | 0.11 (10/25/2017) | (0.102 - 0.11)/(30 - 20) | -0.0008 |
| ND<0.1 U (9/21/2020) | 0.11 (10/25/2017) | (0.1 - 0.11)/(31 - 20) | -0.000909091 |
| 0.234 (9/2/2021) | 0.11 (10/25/2017) | (0.234 - 0.11)/(32 - 20) | 0.0103333 |
| ND<0.1 U (1/11/2022) | 0.11 (10/25/2017) | (0.1 - 0.11)/(33 - 20) | -0.000769231 |
| ND<0.1 U (4/7/2022) | 0.11 (10/25/2017) | (0.1 - 0.11)/(34 - 20) | -0.000714286 |
| ND<0.1 U (8/2/2022) | 0.11 (10/25/2017) | (0.1 - 0.11)/(35 - 20) | -0.000666667 |
| ND<0.1 U (11/16/2022) | 0.11 (10/25/2017) | (0.1 - 0.11)/(36 - 20) | -0.000625 |
| ND<0.1 U (2/14/2023) | 0.11 (10/25/2017) | (0.1 - 0.11)/(37 - 20) | -0.000588235 |
| 0.0569 (5/25/2023) | 0.11 (10/25/2017) | (0.0569 - 0.11)/(38 - 20) | -0.00295 |
| 0.0912 (8/7/2023) | 0.11 (10/25/2017) | (0.0912 - 0.11)/(39 - 20) | -0.000989474 |
| ND<0.035 U (12/12/2023) | 0.11 (10/25/2017) | (0.035 - 0.11)/(40 - 20) | -0.00375 |
| 0.0956 (1/10/2024) | 0.11 (10/25/2017) | (0.0956 - 0.11)/(41 - 20) | -0.000685714 |
| 0.0739 (5/21/2024) | 0.11 (10/25/2017) | (0.0739 - 0.11)/(42 - 20) | -0.00164091 |
| 0.108 (9/16/2024) | 0.11 (10/25/2017) | (0.108 - 0.11)/(43 - 20) | -8.69565e-05 |
| 0.024 (12/11/2024) | 0.11 (10/25/2017) | (0.024 - 0.11)/(44 - 20) | -0.00358333 |
| 0.102 (2/18/2025) | 0.11 (10/25/2017) | (0.102 - 0.11)/(45 - 20) | -0.00032 |
| | | | |
| ND<0.1 U (6/29/2018) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(22 - 21) | 0 |
| 0.11 (8/2/2018) | ND<0.1 U (3/28/2018) | (0.11 - 0.1)/(23 - 21) | 0.005 |
| 0.127 (12/10/2018) | ND<0.1 U (3/28/2018) | (0.127 - 0.1)/(24 - 21) | 0.009 |
| 0.285 (4/15/2019) | ND<0.1 U (3/28/2018) | (0.285 - 0.1)/(25 - 21) | 0.04625 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(26 - 21) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (3/28/2018) | (0.149 - 0.1)/(27 - 21) | 0.00816667 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(28 - 21) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(29 - 21) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (3/28/2018) | (0.102 - 0.1)/(30 - 21) | 0.000222222 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(31 - 21) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (3/28/2018) | (0.234 - 0.1)/(32 - 21) | 0.0121818 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(33 - 21) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(34 - 21) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(35 - 21) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(36 - 21) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/28/2018) | (0.1 - 0.1)/(37 - 21) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (3/28/2018) | (0.0569 - 0.1)/(38 - 21) | -0.00253529 |
| 0.0912 (8/7/2023) | ND<0.1 U (3/28/2018) | (0.0912 - 0.1)/(39 - 21) | -0.000488889 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/28/2018) | (0.035 - 0.1)/(40 - 21) | -0.00342105 |
| 0.0956 (1/10/2024) | ND<0.1 U (3/28/2018) | (0.0956 - 0.1)/(41 - 21) | -0.00022 |
| 0.0739 (5/21/2024) | ND<0.1 U (3/28/2018) | (0.0739 - 0.1)/(42 - 21) | -0.00124286 |
| 0.108 (9/16/2024) | ND<0.1 U (3/28/2018) | (0.108 - 0.1)/(43 - 21) | 0.000363636 |

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|---|---|---|---|
| 0.024 (12/11/2024) | ND<0.1 U (3/28/2018) | (0.024 - 0.1)/(44 - 21) | -0.00330435 |
| 0.102 (2/18/2025) | ND<0.1 U (3/28/2018) | (0.102 - 0.1)/(45 - 21) | 8.33333e-05 |
| | | | |
| 0.11 (8/2/2018) | ND<0.1 U (6/29/2018) | (0.11 - 0.1)/(23 - 22) | 0.01 |
| 0.127 (12/10/2018) | ND<0.1 U (6/29/2018) | (0.127 - 0.1)/(24 - 22) | 0.0135 |
| 0.285 (4/15/2019) | ND<0.1 U (6/29/2018) | (0.285 - 0.1)/(25 - 22) | 0.0616667 |
| ND<0.1 U (6/12/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(26 - 22) | 0 |
| 0.149 (8/27/2019) | ND<0.1 U (6/29/2018) | (0.149 - 0.1)/(27 - 22) | 0.0098 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(28 - 22) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(29 - 22) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (6/29/2018) | (0.102 - 0.1)/(30 - 22) | 0.00025 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(31 - 22) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (6/29/2018) | (0.234 - 0.1)/(32 - 22) | 0.0134 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(33 - 22) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(34 - 22) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(35 - 22) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(36 - 22) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/29/2018) | (0.1 - 0.1)/(37 - 22) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (6/29/2018) | (0.0569 - 0.1)/(38 - 22) | -0.00269375 |
| 0.0912 (8/7/2023) | ND<0.1 U (6/29/2018) | (0.0912 - 0.1)/(39 - 22) | -0.000517647 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/29/2018) | (0.035 - 0.1)/(40 - 22) | -0.00361111 |
| 0.0956 (1/10/2024) | ND<0.1 U (6/29/2018) | (0.0956 - 0.1)/(41 - 22) | -0.000231579 |
| 0.0739 (5/21/2024) | ND<0.1 U (6/29/2018) | (0.0739 - 0.1)/(42 - 22) | -0.001305 |
| 0.108 (9/16/2024) | ND<0.1 U (6/29/2018) | (0.108 - 0.1)/(43 - 22) | 0.000380952 |
| 0.024 (12/11/2024) | ND<0.1 U (6/29/2018) | (0.024 - 0.1)/(44 - 22) | -0.00345455 |
| 0.102 (2/18/2025) | ND<0.1 U (6/29/2018) | (0.102 - 0.1)/(45 - 22) | 8.69565e-05 |
| | | | |
| 0.127 (12/10/2018) | 0.11 (8/2/2018) | (0.127 - 0.11)/(24 - 23) | 0.017 |
| 0.285 (4/15/2019) | 0.11 (8/2/2018) | (0.285 - 0.11)/(25 - 23) | 0.0875 |
| ND<0.1 U (6/12/2019) | 0.11 (8/2/2018) | (0.1 - 0.11)/(26 - 23) | -0.00333333 |
| 0.149 (8/27/2019) | 0.11 (8/2/2018) | (0.149 - 0.11)/(27 - 23) | 0.00975 |
| ND<0.1 U (10/29/2019) | 0.11 (8/2/2018) | (0.1 - 0.11)/(28 - 23) | -0.002 |
| ND<0.1 U (3/30/2020) | 0.11 (8/2/2018) | (0.1 - 0.11)/(29 - 23) | -0.00166667 |
| 0.102 (6/16/2020) | 0.11 (8/2/2018) | (0.102 - 0.11)/(30 - 23) | -0.00114286 |
| ND<0.1 U (9/21/2020) | 0.11 (8/2/2018) | (0.1 - 0.11)/(31 - 23) | -0.00125 |
| 0.234 (9/2/2021) | 0.11 (8/2/2018) | (0.234 - 0.11)/(32 - 23) | 0.0137778 |
| ND<0.1 U (1/11/2022) | 0.11 (8/2/2018) | (0.1 - 0.11)/(33 - 23) | -0.001 |
| ND<0.1 U (4/7/2022) | 0.11 (8/2/2018) | (0.1 - 0.11)/(34 - 23) | -0.000909091 |
| ND<0.1 U (8/2/2022) | 0.11 (8/2/2018) | (0.1 - 0.11)/(35 - 23) | -0.000833333 |
| ND<0.1 U (11/16/2022) | 0.11 (8/2/2018) | (0.1 - 0.11)/(36 - 23) | -0.000769231 |
| ND<0.1 U (2/14/2023) | 0.11 (8/2/2018) | (0.1 - 0.11)/(37 - 23) | -0.000714286 |
| 0.0569 (5/25/2023) | 0.11 (8/2/2018) | (0.0569 - 0.11)/(38 - 23) | -0.00354 |
| 0.0912 (8/7/2023) | 0.11 (8/2/2018) | (0.0912 - 0.11)/(39 - 23) | -0.001175 |
| ND<0.035 U (12/12/2023) | 0.11 (8/2/2018) | (0.035 - 0.11)/(40 - 23) | -0.00441176 |
| 0.0956 (1/10/2024) | 0.11 (8/2/2018) | (0.0956 - 0.11)/(41 - 23) | -0.0008 |
| 0.0739 (5/21/2024) | 0.11 (8/2/2018) | (0.0739 - 0.11)/(42 - 23) | -0.0019 |
| 0.108 (9/16/2024) | 0.11 (8/2/2018) | (0.108 - 0.11)/(43 - 23) | -0.0001 |
| 0.024 (12/11/2024) | 0.11 (8/2/2018) | (0.024 - 0.11)/(44 - 23) | -0.00409524 |
| 0.102 (2/18/2025) | 0.11 (8/2/2018) | (0.102 - 0.11)/(45 - 23) | -0.000363636 |
| | | | |
| 0.285 (4/15/2019) | 0.127 (12/10/2018) | (0.285 - 0.127)/(25 - 24) | 0.158 |
| ND<0.1 U (6/12/2019) | 0.127 (12/10/2018) | (0.1 - 0.127)/(26 - 24) | -0.0135 |
| 0.149 (8/27/2019) | 0.127 (12/10/2018) | (0.149 - 0.127)/(27 - 24) | 0.00733333 |
| ND<0.1 U (10/29/2019) | 0.127 (12/10/2018) | (0.1 - 0.127)/(28 - 24) | -0.00675 |
| ND<0.1 U (3/30/2020) | 0.127 (12/10/2018) | (0.1 - 0.127)/(29 - 24) | -0.0054 |
| 0.102 (6/16/2020) | 0.127 (12/10/2018) | (0.102 - 0.127)/(30 - 24) | -0.00416667 |
| ND<0.1 U (9/21/2020) | 0.127 (12/10/2018) | (0.1 - 0.127)/(31 - 24) | -0.00385714 |

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|---|---|---|---|
| 0.234 (9/2/2021) | 0.127 (12/10/2018) | (0.234 - 0.127)/(32 - 24) | 0.013375 |
| ND<0.1 U (1/11/2022) | 0.127 (12/10/2018) | (0.1 - 0.127)/(33 - 24) | -0.003 |
| ND<0.1 U (4/7/2022) | 0.127 (12/10/2018) | (0.1 - 0.127)/(34 - 24) | -0.0027 |
| ND<0.1 U (8/2/2022) | 0.127 (12/10/2018) | (0.1 - 0.127)/(35 - 24) | -0.00245455 |
| ND<0.1 U (11/16/2022) | 0.127 (12/10/2018) | (0.1 - 0.127)/(36 - 24) | -0.00225 |
| ND<0.1 U (2/14/2023) | 0.127 (12/10/2018) | (0.1 - 0.127)/(37 - 24) | -0.00207692 |
| 0.0569 (5/25/2023) | 0.127 (12/10/2018) | (0.0569 - 0.127)/(38 - 24) | -0.00500714 |
| 0.0912 (8/7/2023) | 0.127 (12/10/2018) | (0.0912 - 0.127)/(39 - 24) | -0.00238667 |
| ND<0.035 U (12/12/2023) | 0.127 (12/10/2018) | (0.035 - 0.127)/(40 - 24) | -0.00575 |
| 0.0956 (1/10/2024) | 0.127 (12/10/2018) | (0.0956 - 0.127)/(41 - 24) | -0.00184706 |
| 0.0739 (5/21/2024) | 0.127 (12/10/2018) | (0.0739 - 0.127)/(42 - 24) | -0.00295 |
| 0.108 (9/16/2024) | 0.127 (12/10/2018) | (0.108 - 0.127)/(43 - 24) | -0.001 |
| 0.024 (12/11/2024) | 0.127 (12/10/2018) | (0.024 - 0.127)/(44 - 24) | -0.00515 |
| 0.102 (2/18/2025) | 0.127 (12/10/2018) | (0.102 - 0.127)/(45 - 24) | -0.00119048 |
| | | | |
| ND<0.1 U (6/12/2019) | 0.285 (4/15/2019) | (0.1 - 0.285)/(26 - 25) | -0.185 |
| 0.149 (8/27/2019) | 0.285 (4/15/2019) | (0.149 - 0.285)/(27 - 25) | -0.068 |
| ND<0.1 U (10/29/2019) | 0.285 (4/15/2019) | (0.1 - 0.285)/(28 - 25) | -0.0616667 |
| ND<0.1 U (3/30/2020) | 0.285 (4/15/2019) | (0.1 - 0.285)/(29 - 25) | -0.04625 |
| 0.102 (6/16/2020) | 0.285 (4/15/2019) | (0.102 - 0.285)/(30 - 25) | -0.0366 |
| ND<0.1 U (9/21/2020) | 0.285 (4/15/2019) | (0.1 - 0.285)/(31 - 25) | -0.0308333 |
| 0.234 (9/2/2021) | 0.285 (4/15/2019) | (0.234 - 0.285)/(32 - 25) | -0.00728571 |
| ND<0.1 U (1/11/2022) | 0.285 (4/15/2019) | (0.1 - 0.285)/(33 - 25) | -0.023125 |
| ND<0.1 U (4/7/2022) | 0.285 (4/15/2019) | (0.1 - 0.285)/(34 - 25) | -0.0205556 |
| ND<0.1 U (8/2/2022) | 0.285 (4/15/2019) | (0.1 - 0.285)/(35 - 25) | -0.0185 |
| ND<0.1 U (11/16/2022) | 0.285 (4/15/2019) | (0.1 - 0.285)/(36 - 25) | -0.0168182 |
| ND<0.1 U (2/14/2023) | 0.285 (4/15/2019) | (0.1 - 0.285)/(37 - 25) | -0.0154167 |
| 0.0569 (5/25/2023) | 0.285 (4/15/2019) | (0.0569 - 0.285)/(38 - 25) | -0.0175462 |
| 0.0912 (8/7/2023) | 0.285 (4/15/2019) | (0.0912 - 0.285)/(39 - 25) | -0.0138429 |
| ND<0.035 U (12/12/2023) | 0.285 (4/15/2019) | (0.035 - 0.285)/(40 - 25) | -0.0166667 |
| 0.0956 (1/10/2024) | 0.285 (4/15/2019) | (0.0956 - 0.285)/(41 - 25) | -0.0118375 |
| 0.0739 (5/21/2024) | 0.285 (4/15/2019) | (0.0739 - 0.285)/(42 - 25) | -0.0124176 |
| 0.108 (9/16/2024) | 0.285 (4/15/2019) | (0.108 - 0.285)/(43 - 25) | -0.00983333 |
| 0.024 (12/11/2024) | 0.285 (4/15/2019) | (0.024 - 0.285)/(44 - 25) | -0.0137368 |
| 0.102 (2/18/2025) | 0.285 (4/15/2019) | (0.102 - 0.285)/(45 - 25) | -0.00915 |
| | | | |
| 0.149 (8/27/2019) | ND<0.1 U (6/12/2019) | (0.149 - 0.1)/(27 - 26) | 0.049 |
| ND<0.1 U (10/29/2019) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(28 - 26) | 0 |
| ND<0.1 U (3/30/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(29 - 26) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (6/12/2019) | (0.102 - 0.1)/(30 - 26) | 0.0005 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(31 - 26) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (6/12/2019) | (0.234 - 0.1)/(32 - 26) | 0.0223333 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(33 - 26) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(34 - 26) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(35 - 26) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(36 - 26) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (6/12/2019) | (0.1 - 0.1)/(37 - 26) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (6/12/2019) | (0.0569 - 0.1)/(38 - 26) | -0.00359167 |
| 0.0912 (8/7/2023) | ND<0.1 U (6/12/2019) | (0.0912 - 0.1)/(39 - 26) | -0.000676923 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (6/12/2019) | (0.035 - 0.1)/(40 - 26) | -0.00464286 |
| 0.0956 (1/10/2024) | ND<0.1 U (6/12/2019) | (0.0956 - 0.1)/(41 - 26) | -0.000293333 |
| 0.0739 (5/21/2024) | ND<0.1 U (6/12/2019) | (0.0739 - 0.1)/(42 - 26) | -0.00163125 |
| 0.108 (9/16/2024) | ND<0.1 U (6/12/2019) | (0.108 - 0.1)/(43 - 26) | 0.000470588 |
| 0.024 (12/11/2024) | ND<0.1 U (6/12/2019) | (0.024 - 0.1)/(44 - 26) | -0.00422222 |
| 0.102 (2/18/2025) | ND<0.1 U (6/12/2019) | (0.102 - 0.1)/(45 - 26) | 0.000105263 |
| | | | |
| ND<0.1 U (10/29/2019) | 0.149 (8/27/2019) | (0.1 - 0.149)/(28 - 27) | -0.049 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | 0.149 (8/27/2019) | (0.1 - 0.149)/(29 - 27) | -0.0245 |
| 0.102 (6/16/2020) | 0.149 (8/27/2019) | (0.102 - 0.149)/(30 - 27) | -0.0156667 |
| ND<0.1 U (9/21/2020) | 0.149 (8/27/2019) | (0.1 - 0.149)/(31 - 27) | -0.01225 |
| 0.234 (9/2/2021) | 0.149 (8/27/2019) | (0.234 - 0.149)/(32 - 27) | 0.017 |
| ND<0.1 U (1/11/2022) | 0.149 (8/27/2019) | (0.1 - 0.149)/(33 - 27) | -0.00816667 |
| ND<0.1 U (4/7/2022) | 0.149 (8/27/2019) | (0.1 - 0.149)/(34 - 27) | -0.007 |
| ND<0.1 U (8/2/2022) | 0.149 (8/27/2019) | (0.1 - 0.149)/(35 - 27) | -0.006125 |
| ND<0.1 U (11/16/2022) | 0.149 (8/27/2019) | (0.1 - 0.149)/(36 - 27) | -0.00544444 |
| ND<0.1 U (2/14/2023) | 0.149 (8/27/2019) | (0.1 - 0.149)/(37 - 27) | -0.0049 |
| 0.0569 (5/25/2023) | 0.149 (8/27/2019) | (0.0569 - 0.149)/(38 - 27) | -0.00837273 |
| 0.0912 (8/7/2023) | 0.149 (8/27/2019) | (0.0912 - 0.149)/(39 - 27) | -0.00481667 |
| ND<0.035 U (12/12/2023) | 0.149 (8/27/2019) | (0.035 - 0.149)/(40 - 27) | -0.00876923 |
| 0.0956 (1/10/2024) | 0.149 (8/27/2019) | (0.0956 - 0.149)/(41 - 27) | -0.00381429 |
| 0.0739 (5/21/2024) | 0.149 (8/27/2019) | (0.0739 - 0.149)/(42 - 27) | -0.00500667 |
| 0.108 (9/16/2024) | 0.149 (8/27/2019) | (0.108 - 0.149)/(43 - 27) | -0.0025625 |
| 0.024 (12/11/2024) | 0.149 (8/27/2019) | (0.024 - 0.149)/(44 - 27) | -0.00735294 |
| 0.102 (2/18/2025) | 0.149 (8/27/2019) | (0.102 - 0.149)/(45 - 27) | -0.00261111 |

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|---|---|---|---|
| ND<0.1 U (3/30/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(29 - 28) | 0 |
| 0.102 (6/16/2020) | ND<0.1 U (10/29/2019) | (0.102 - 0.1)/(30 - 28) | 0.001 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(31 - 28) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (10/29/2019) | (0.234 - 0.1)/(32 - 28) | 0.0335 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(33 - 28) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(34 - 28) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(35 - 28) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(36 - 28) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (10/29/2019) | (0.1 - 0.1)/(37 - 28) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (10/29/2019) | (0.0569 - 0.1)/(38 - 28) | -0.00431 |
| 0.0912 (8/7/2023) | ND<0.1 U (10/29/2019) | (0.0912 - 0.1)/(39 - 28) | -0.0008 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (10/29/2019) | (0.035 - 0.1)/(40 - 28) | -0.00541667 |
| 0.0956 (1/10/2024) | ND<0.1 U (10/29/2019) | (0.0956 - 0.1)/(41 - 28) | -0.000338462 |
| 0.0739 (5/21/2024) | ND<0.1 U (10/29/2019) | (0.0739 - 0.1)/(42 - 28) | -0.00186429 |
| 0.108 (9/16/2024) | ND<0.1 U (10/29/2019) | (0.108 - 0.1)/(43 - 28) | 0.000533333 |
| 0.024 (12/11/2024) | ND<0.1 U (10/29/2019) | (0.024 - 0.1)/(44 - 28) | -0.00475 |
| 0.102 (2/18/2025) | ND<0.1 U (10/29/2019) | (0.102 - 0.1)/(45 - 28) | 0.000117647 |

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|---|---|---|---|
| 0.102 (6/16/2020) | ND<0.1 U (3/30/2020) | (0.102 - 0.1)/(30 - 29) | 0.002 |
| ND<0.1 U (9/21/2020) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(31 - 29) | 0 |
| 0.234 (9/2/2021) | ND<0.1 U (3/30/2020) | (0.234 - 0.1)/(32 - 29) | 0.0446667 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(33 - 29) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(34 - 29) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(35 - 29) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(36 - 29) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/30/2020) | (0.1 - 0.1)/(37 - 29) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (3/30/2020) | (0.0569 - 0.1)/(38 - 29) | -0.00478889 |
| 0.0912 (8/7/2023) | ND<0.1 U (3/30/2020) | (0.0912 - 0.1)/(39 - 29) | -0.00088 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (3/30/2020) | (0.035 - 0.1)/(40 - 29) | -0.00590909 |
| 0.0956 (1/10/2024) | ND<0.1 U (3/30/2020) | (0.0956 - 0.1)/(41 - 29) | -0.000366667 |
| 0.0739 (5/21/2024) | ND<0.1 U (3/30/2020) | (0.0739 - 0.1)/(42 - 29) | -0.00200769 |
| 0.108 (9/16/2024) | ND<0.1 U (3/30/2020) | (0.108 - 0.1)/(43 - 29) | 0.000571429 |
| 0.024 (12/11/2024) | ND<0.1 U (3/30/2020) | (0.024 - 0.1)/(44 - 29) | -0.00506667 |
| 0.102 (2/18/2025) | ND<0.1 U (3/30/2020) | (0.102 - 0.1)/(45 - 29) | 0.000125 |

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|---|---|---|---|
| ND<0.1 U (9/21/2020) | 0.102 (6/16/2020) | (0.1 - 0.102)/(31 - 30) | -0.002 |
| 0.234 (9/2/2021) | 0.102 (6/16/2020) | (0.234 - 0.102)/(32 - 30) | 0.066 |
| ND<0.1 U (1/11/2022) | 0.102 (6/16/2020) | (0.1 - 0.102)/(33 - 30) | -0.000666667 |
| ND<0.1 U (4/7/2022) | 0.102 (6/16/2020) | (0.1 - 0.102)/(34 - 30) | -0.0005 |

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|---|---|---|---|
| ND<0.1 U (8/2/2022) | 0.102 (6/16/2020) | (0.1 - 0.102)/(35 - 30) | -0.0004 |
| ND<0.1 U (11/16/2022) | 0.102 (6/16/2020) | (0.1 - 0.102)/(36 - 30) | -0.000333333 |
| ND<0.1 U (2/14/2023) | 0.102 (6/16/2020) | (0.1 - 0.102)/(37 - 30) | -0.000285714 |
| 0.0569 (5/25/2023) | 0.102 (6/16/2020) | (0.0569 - 0.102)/(38 - 30) | -0.0056375 |
| 0.0912 (8/7/2023) | 0.102 (6/16/2020) | (0.0912 - 0.102)/(39 - 30) | -0.0012 |
| ND<0.035 U (12/12/2023) | 0.102 (6/16/2020) | (0.035 - 0.102)/(40 - 30) | -0.0067 |
| 0.0956 (1/10/2024) | 0.102 (6/16/2020) | (0.0956 - 0.102)/(41 - 30) | -0.000581818 |
| 0.0739 (5/21/2024) | 0.102 (6/16/2020) | (0.0739 - 0.102)/(42 - 30) | -0.00234167 |
| 0.108 (9/16/2024) | 0.102 (6/16/2020) | (0.108 - 0.102)/(43 - 30) | 0.000461538 |
| 0.024 (12/11/2024) | 0.102 (6/16/2020) | (0.024 - 0.102)/(44 - 30) | -0.00557143 |
| 0.102 (2/18/2025) | 0.102 (6/16/2020) | (0.102 - 0.102)/(45 - 30) | 0 |
| | | | |
| 0.234 (9/2/2021) | ND<0.1 U (9/21/2020) | (0.234 - 0.1)/(32 - 31) | 0.134 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(33 - 31) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(34 - 31) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(35 - 31) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(36 - 31) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (9/21/2020) | (0.1 - 0.1)/(37 - 31) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (9/21/2020) | (0.0569 - 0.1)/(38 - 31) | -0.00615714 |
| 0.0912 (8/7/2023) | ND<0.1 U (9/21/2020) | (0.0912 - 0.1)/(39 - 31) | -0.0011 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (9/21/2020) | (0.035 - 0.1)/(40 - 31) | -0.00722222 |
| 0.0956 (1/10/2024) | ND<0.1 U (9/21/2020) | (0.0956 - 0.1)/(41 - 31) | -0.00044 |
| 0.0739 (5/21/2024) | ND<0.1 U (9/21/2020) | (0.0739 - 0.1)/(42 - 31) | -0.00237273 |
| 0.108 (9/16/2024) | ND<0.1 U (9/21/2020) | (0.108 - 0.1)/(43 - 31) | 0.000666667 |
| 0.024 (12/11/2024) | ND<0.1 U (9/21/2020) | (0.024 - 0.1)/(44 - 31) | -0.00584615 |
| 0.102 (2/18/2025) | ND<0.1 U (9/21/2020) | (0.102 - 0.1)/(45 - 31) | 0.000142857 |
| | | | |
| ND<0.1 U (1/11/2022) | 0.234 (9/2/2021) | (0.1 - 0.234)/(33 - 32) | -0.134 |
| ND<0.1 U (4/7/2022) | 0.234 (9/2/2021) | (0.1 - 0.234)/(34 - 32) | -0.067 |
| ND<0.1 U (8/2/2022) | 0.234 (9/2/2021) | (0.1 - 0.234)/(35 - 32) | -0.0446667 |
| ND<0.1 U (11/16/2022) | 0.234 (9/2/2021) | (0.1 - 0.234)/(36 - 32) | -0.0335 |
| ND<0.1 U (2/14/2023) | 0.234 (9/2/2021) | (0.1 - 0.234)/(37 - 32) | -0.0268 |
| 0.0569 (5/25/2023) | 0.234 (9/2/2021) | (0.0569 - 0.234)/(38 - 32) | -0.0295167 |
| 0.0912 (8/7/2023) | 0.234 (9/2/2021) | (0.0912 - 0.234)/(39 - 32) | -0.0204 |
| ND<0.035 U (12/12/2023) | 0.234 (9/2/2021) | (0.035 - 0.234)/(40 - 32) | -0.024875 |
| 0.0956 (1/10/2024) | 0.234 (9/2/2021) | (0.0956 - 0.234)/(41 - 32) | -0.0153778 |
| 0.0739 (5/21/2024) | 0.234 (9/2/2021) | (0.0739 - 0.234)/(42 - 32) | -0.01601 |
| 0.108 (9/16/2024) | 0.234 (9/2/2021) | (0.108 - 0.234)/(43 - 32) | -0.0114545 |
| 0.024 (12/11/2024) | 0.234 (9/2/2021) | (0.024 - 0.234)/(44 - 32) | -0.0175 |
| 0.102 (2/18/2025) | 0.234 (9/2/2021) | (0.102 - 0.234)/(45 - 32) | -0.0101538 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(34 - 33) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(35 - 33) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(36 - 33) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(37 - 33) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.0569 - 0.1)/(38 - 33) | -0.00862 |
| 0.0912 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.0912 - 0.1)/(39 - 33) | -0.00146667 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (1/11/2022) | (0.035 - 0.1)/(40 - 33) | -0.00928571 |
| 0.0956 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.0956 - 0.1)/(41 - 33) | -0.00055 |
| 0.0739 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.0739 - 0.1)/(42 - 33) | -0.0029 |
| 0.108 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.108 - 0.1)/(43 - 33) | 0.0008 |
| 0.024 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.024 - 0.1)/(44 - 33) | -0.00690909 |
| 0.102 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.102 - 0.1)/(45 - 33) | 0.000166667 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(35 - 34) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(36 - 34) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(37 - 34) | 0 |

| | | | |
|---|---|---|---|
| 0.0569 (5/25/2023) | ND<0.1 U (4/7/2022) | (0.0569 - 0.1)/(38 - 34) | -0.010775 |
| 0.0912 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.0912 - 0.1)/(39 - 34) | -0.00176 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (4/7/2022) | (0.035 - 0.1)/(40 - 34) | -0.0108333 |
| 0.0956 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0956 - 0.1)/(41 - 34) | -0.000628571 |
| 0.0739 (5/21/2024) | ND<0.1 U (4/7/2022) | (0.0739 - 0.1)/(42 - 34) | -0.0032625 |
| 0.108 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.108 - 0.1)/(43 - 34) | 0.000888889 |
| 0.024 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.024 - 0.1)/(44 - 34) | -0.0076 |
| 0.102 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.102 - 0.1)/(45 - 34) | 0.000181818 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(36 - 35) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(37 - 35) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0569 - 0.1)/(38 - 35) | -0.0143667 |
| 0.0912 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.0912 - 0.1)/(39 - 35) | -0.0022 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (8/2/2022) | (0.035 - 0.1)/(40 - 35) | -0.013 |
| 0.0956 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.0956 - 0.1)/(41 - 35) | -0.000733333 |
| 0.0739 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.0739 - 0.1)/(42 - 35) | -0.00372857 |
| 0.108 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.108 - 0.1)/(43 - 35) | 0.001 |
| 0.024 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.024 - 0.1)/(44 - 35) | -0.00844444 |
| 0.102 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.102 - 0.1)/(45 - 35) | 0.0002 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(37 - 36) | 0 |
| 0.0569 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0569 - 0.1)/(38 - 36) | -0.02155 |
| 0.0912 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0912 - 0.1)/(39 - 36) | -0.00293333 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (11/16/2022) | (0.035 - 0.1)/(40 - 36) | -0.01625 |
| 0.0956 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0956 - 0.1)/(41 - 36) | -0.00088 |
| 0.0739 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.0739 - 0.1)/(42 - 36) | -0.00435 |
| 0.108 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.108 - 0.1)/(43 - 36) | 0.00114286 |
| 0.024 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.024 - 0.1)/(44 - 36) | -0.0095 |
| 0.102 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.102 - 0.1)/(45 - 36) | 0.000222222 |
| | | | |
| 0.0569 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.0569 - 0.1)/(38 - 37) | -0.0431 |
| 0.0912 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.0912 - 0.1)/(39 - 37) | -0.0044 |
| ND<0.035 U (12/12/2023) | ND<0.1 U (2/14/2023) | (0.035 - 0.1)/(40 - 37) | -0.0216667 |
| 0.0956 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.0956 - 0.1)/(41 - 37) | -0.0011 |
| 0.0739 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.0739 - 0.1)/(42 - 37) | -0.00522 |
| 0.108 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.108 - 0.1)/(43 - 37) | 0.00133333 |
| 0.024 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.024 - 0.1)/(44 - 37) | -0.0108571 |
| 0.102 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.102 - 0.1)/(45 - 37) | 0.00025 |
| | | | |
| 0.0912 (8/7/2023) | 0.0569 (5/25/2023) | (0.0912 - 0.0569)/(39 - 38) | 0.0343 |
| ND<0.035 U (12/12/2023) | 0.0569 (5/25/2023) | (0.035 - 0.0569)/(40 - 38) | -0.01095 |
| 0.0956 (1/10/2024) | 0.0569 (5/25/2023) | (0.0956 - 0.0569)/(41 - 38) | 0.0129 |
| 0.0739 (5/21/2024) | 0.0569 (5/25/2023) | (0.0739 - 0.0569)/(42 - 38) | 0.00425 |
| 0.108 (9/16/2024) | 0.0569 (5/25/2023) | (0.108 - 0.0569)/(43 - 38) | 0.01022 |
| 0.024 (12/11/2024) | 0.0569 (5/25/2023) | (0.024 - 0.0569)/(44 - 38) | -0.00548333 |
| 0.102 (2/18/2025) | 0.0569 (5/25/2023) | (0.102 - 0.0569)/(45 - 38) | 0.00644286 |
| | | | |
| ND<0.035 U (12/12/2023) | 0.0912 (8/7/2023) | (0.035 - 0.0912)/(40 - 39) | -0.0562 |
| 0.0956 (1/10/2024) | 0.0912 (8/7/2023) | (0.0956 - 0.0912)/(41 - 39) | 0.0022 |
| 0.0739 (5/21/2024) | 0.0912 (8/7/2023) | (0.0739 - 0.0912)/(42 - 39) | -0.00576667 |
| 0.108 (9/16/2024) | 0.0912 (8/7/2023) | (0.108 - 0.0912)/(43 - 39) | 0.0042 |
| 0.024 (12/11/2024) | 0.0912 (8/7/2023) | (0.024 - 0.0912)/(44 - 39) | -0.01344 |
| 0.102 (2/18/2025) | 0.0912 (8/7/2023) | (0.102 - 0.0912)/(45 - 39) | 0.0018 |
| | | | |
| 0.0956 (1/10/2024) | ND<0.035 U (12/12/2023) | (0.0956 - 0.035)/(41 - 40) | 0.0606 |
| 0.0739 (5/21/2024) | ND<0.035 U (12/12/2023) | (0.0739 - 0.035)/(42 - 40) | 0.01945 |
| 0.108 (9/16/2024) | ND<0.035 U (12/12/2023) | (0.108 - 0.035)/(43 - 40) | 0.0243333 |

| | | | |
|---|---|---|---|
| 0.024 (12/11/2024) | ND<0.035 U (12/12/2023) | (0.024 - 0.035)/(44 - 40) | -0.00275 |
| 0.102 (2/18/2025) | ND<0.035 U (12/12/2023) | (0.102 - 0.035)/(45 - 40) | 0.0134 |
| | | | |
| 0.0739 (5/21/2024) | 0.0956 (1/10/2024) | (0.0739 - 0.0956)/(42 - 41) | -0.0217 |
| 0.108 (9/16/2024) | 0.0956 (1/10/2024) | (0.108 - 0.0956)/(43 - 41) | 0.0062 |
| 0.024 (12/11/2024) | 0.0956 (1/10/2024) | (0.024 - 0.0956)/(44 - 41) | -0.0238667 |
| 0.102 (2/18/2025) | 0.0956 (1/10/2024) | (0.102 - 0.0956)/(45 - 41) | 0.0016 |
| | | | |
| 0.108 (9/16/2024) | 0.0739 (5/21/2024) | (0.108 - 0.0739)/(43 - 42) | 0.0341 |
| 0.024 (12/11/2024) | 0.0739 (5/21/2024) | (0.024 - 0.0739)/(44 - 42) | -0.02495 |
| 0.102 (2/18/2025) | 0.0739 (5/21/2024) | (0.102 - 0.0739)/(45 - 42) | 0.00936667 |
| | | | |
| 0.024 (12/11/2024) | 0.108 (9/16/2024) | (0.024 - 0.108)/(44 - 43) | -0.084 |
| 0.102 (2/18/2025) | 0.108 (9/16/2024) | (0.102 - 0.108)/(45 - 43) | -0.003 |
| | | | |
| 0.102 (2/18/2025) | 0.024 (12/11/2024) | (0.102 - 0.024)/(45 - 44) | 0.078 |

Number of Q values = 990

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.185 |
| 2 | -0.134 |
| 3 | -0.084 |
| 4 | -0.068 |
| 5 | -0.067 |
| 6 | -0.0616667 |
| 7 | -0.0562 |
| 8 | -0.05 |
| 9 | -0.049 |
| 10 | -0.04625 |
| 11 | -0.0446667 |
| 12 | -0.0431 |
| 13 | -0.0366 |
| 14 | -0.0335 |
| 15 | -0.0308333 |
| 16 | -0.03 |
| 17 | -0.0295167 |
| 18 | -0.0268 |
| 19 | -0.025 |
| 20 | -0.02495 |
| 21 | -0.024875 |
| 22 | -0.0245 |
| 23 | -0.0238667 |
| 24 | -0.023125 |
| 25 | -0.0217 |
| 26 | -0.0216667 |
| 27 | -0.02155 |
| 28 | -0.0205556 |
| 29 | -0.0204 |
| 30 | -0.0185 |
| 31 | -0.0175462 |
| 32 | -0.0175 |
| 33 | -0.0168182 |
| 34 | -0.0166667 |
| 35 | -0.0166667 |

| | |
|---|---|
| 36 | -0.01625 |
| 37 | -0.01601 |
| 38 | -0.0156667 |
| 39 | -0.0154167 |
| 40 | -0.0153778 |
| 41 | -0.015 |
| 42 | -0.0143667 |
| 43 | -0.0138429 |
| 44 | -0.0137368 |
| 45 | -0.0135 |
| 46 | -0.01344 |
| 47 | -0.013 |
| 48 | -0.0124176 |
| 49 | -0.01225 |
| 50 | -0.0118375 |
| 51 | -0.0114545 |
| 52 | -0.01095 |
| 53 | -0.0108571 |
| 54 | -0.0108333 |
| 55 | -0.010775 |
| 56 | -0.0101538 |
| 57 | -0.01 |
| 58 | -0.01 |
| 59 | -0.01 |
| 60 | -0.01 |
| 61 | -0.00983333 |
| 62 | -0.0095 |
| 63 | -0.00928571 |
| 64 | -0.00915 |
| 65 | -0.00876923 |
| 66 | -0.00862 |
| 67 | -0.00844444 |
| 68 | -0.00837273 |
| 69 | -0.00833333 |
| 70 | -0.00816667 |
| 71 | -0.0076 |
| 72 | -0.0075 |
| 73 | -0.00735294 |
| 74 | -0.00728571 |
| 75 | -0.00722222 |
| 76 | -0.007 |
| 77 | -0.00690909 |
| 78 | -0.00675 |
| 79 | -0.0067 |
| 80 | -0.00615714 |
| 81 | -0.006125 |
| 82 | -0.00590909 |
| 83 | -0.00584615 |
| 84 | -0.00576667 |
| 85 | -0.00575 |
| 86 | -0.00571429 |
| 87 | -0.0056375 |
| 88 | -0.00557143 |
| 89 | -0.00548333 |
| 90 | -0.00544444 |
| 91 | -0.00541667 |
| 92 | -0.0054 |

| | |
|---|---|
| 93 | -0.00522 |
| 94 | -0.00515 |
| 95 | -0.00506667 |
| 96 | -0.00500714 |
| 97 | -0.00500667 |
| 98 | -0.005 |
| 99 | -0.005 |
| 100 | -0.005 |
| 101 | -0.0049 |
| 102 | -0.00481667 |
| 103 | -0.00479167 |
| 104 | -0.00478889 |
| 105 | -0.00475 |
| 106 | -0.00464286 |
| 107 | -0.0045 |
| 108 | -0.00441176 |
| 109 | -0.0044 |
| 110 | -0.00435 |
| 111 | -0.00431 |
| 112 | -0.00428571 |
| 113 | -0.00423182 |
| 114 | -0.00422222 |
| 115 | -0.00416667 |
| 116 | -0.00416667 |
| 117 | -0.00409524 |
| 118 | -0.00385714 |
| 119 | -0.00384615 |
| 120 | -0.00381429 |
| 121 | -0.00375 |
| 122 | -0.00375 |
| 123 | -0.00372857 |
| 124 | -0.00361111 |
| 125 | -0.00359167 |
| 126 | -0.00358333 |
| 127 | -0.00354 |
| 128 | -0.00345455 |
| 129 | -0.00342857 |
| 130 | -0.00342105 |
| 131 | -0.00333333 |
| 132 | -0.00333333 |
| 133 | -0.00330435 |
| 134 | -0.00327586 |
| 135 | -0.0032625 |
| 136 | -0.00321212 |
| 137 | -0.00309524 |
| 138 | -0.00304 |
| 139 | -0.003 |
| 140 | -0.003 |
| 141 | -0.003 |
| 142 | -0.00295455 |
| 143 | -0.00295 |
| 144 | -0.00295 |
| 145 | -0.00294118 |
| 146 | -0.00293333 |
| 147 | -0.00292692 |
| 148 | -0.00292308 |
| 149 | -0.0029 |

| | |
|---|---|
| 150 | -0.002875 |
| 151 | -0.00282609 |
| 152 | -0.00281481 |
| 153 | -0.00277778 |
| 154 | -0.00275 |
| 155 | -0.00272727 |
| 156 | -0.00270741 |
| 157 | -0.0027 |
| 158 | -0.00269375 |
| 159 | -0.00263158 |
| 160 | -0.00262069 |
| 161 | -0.00261111 |
| 162 | -0.0026 |
| 163 | -0.0025625 |
| 164 | -0.00255652 |
| 165 | -0.00253529 |
| 166 | -0.00253333 |
| 167 | -0.0025 |
| 168 | -0.0025 |
| 169 | -0.00245455 |
| 170 | -0.00245161 |
| 171 | -0.00240741 |
| 172 | -0.00238667 |
| 173 | -0.00238095 |
| 174 | -0.002375 |
| 175 | -0.00237273 |
| 176 | -0.00234167 |
| 177 | -0.00232143 |
| 178 | -0.00226842 |
| 179 | -0.00225 |
| 180 | -0.00223529 |
| 181 | -0.00222222 |
| 182 | -0.0022 |
| 183 | -0.002176 |
| 184 | -0.00217143 |
| 185 | -0.00216667 |
| 186 | -0.002155 |
| 187 | -0.00211111 |
| 188 | -0.00209677 |
| 189 | -0.00207692 |
| 190 | -0.00205405 |
| 191 | -0.00205238 |
| 192 | -0.00203125 |
| 193 | -0.00200769 |
| 194 | -0.002 |
| 195 | -0.002 |
| 196 | -0.002 |
| 197 | -0.002 |
| 198 | -0.0019697 |
| 199 | -0.00194872 |
| 200 | -0.00191176 |
| 201 | -0.0019 |
| 202 | -0.0019 |
| 203 | -0.00187391 |
| 204 | -0.00186429 |
| 205 | -0.00185714 |
| 206 | -0.00185366 |

| | |
|---|---|
| 207 | -0.00184706 |
| 208 | -0.00180968 |
| 209 | -0.00180952 |
| 210 | -0.00180556 |
| 211 | -0.00179583 |
| 212 | -0.00176744 |
| 213 | -0.00176471 |
| 214 | -0.00176 |
| 215 | -0.00175676 |
| 216 | -0.001724 |
| 217 | -0.00171053 |
| 218 | -0.00166667 |
| 219 | -0.00166667 |
| 220 | -0.00166667 |
| 221 | -0.00166667 |
| 222 | -0.00166667 |
| 223 | -0.00165769 |
| 224 | -0.00165517 |
| 225 | -0.00164091 |
| 226 | -0.00163125 |
| 227 | -0.00155556 |
| 228 | -0.00153929 |
| 229 | -0.0015 |
| 230 | -0.00148621 |
| 231 | -0.00147368 |
| 232 | -0.00146667 |
| 233 | -0.00143667 |
| 234 | -0.00139032 |
| 235 | -0.00138571 |
| 236 | -0.00136364 |
| 237 | -0.00134688 |
| 238 | -0.00130606 |
| 239 | -0.001305 |
| 240 | -0.00130435 |
| 241 | -0.00126765 |
| 242 | -0.00125 |
| 243 | -0.00125 |
| 244 | -0.00125 |
| 245 | -0.00124286 |
| 246 | -0.00123143 |
| 247 | -0.0012 |
| 248 | -0.0012 |
| 249 | -0.00119722 |
| 250 | -0.00119048 |
| 251 | -0.001175 |
| 252 | -0.00116486 |
| 253 | -0.00115385 |
| 254 | -0.00114667 |
| 255 | -0.00114286 |
| 256 | -0.00113478 |
| 257 | -0.00111111 |
| 258 | -0.0011 |
| 259 | -0.0011 |
| 260 | -0.0010875 |
| 261 | -0.001044 |
| 262 | -0.001 |
| 263 | -0.001 |

| | |
|---|---|
| 264 | -0.000989474 |
| 265 | -0.000966667 |
| 266 | -0.000932143 |
| 267 | -0.000909091 |
| 268 | -0.000909091 |
| 269 | -0.0009 |
| 270 | -0.00088 |
| 271 | -0.00088 |
| 272 | -0.00087 |
| 273 | -0.000833333 |
| 274 | -0.000823529 |
| 275 | -0.000815625 |
| 276 | -0.0008 |
| 277 | -0.0008 |
| 278 | -0.0008 |
| 279 | -0.000790909 |
| 280 | -0.000769231 |
| 281 | -0.000769231 |
| 282 | -0.000767647 |
| 283 | -0.000745714 |
| 284 | -0.000733333 |
| 285 | -0.000725 |
| 286 | -0.000714286 |
| 287 | -0.000714286 |
| 288 | -0.000705405 |
| 289 | -0.0006875 |
| 290 | -0.000686842 |
| 291 | -0.000685714 |
| 292 | -0.000676923 |
| 293 | -0.000669231 |
| 294 | -0.000666667 |
| 295 | -0.000666667 |
| 296 | -0.0006525 |
| 297 | -0.000636585 |
| 298 | -0.000628571 |
| 299 | -0.000625 |
| 300 | -0.000588235 |
| 301 | -0.000581818 |
| 302 | -0.00055 |
| 303 | -0.000517647 |
| 304 | -0.0005 |
| 305 | -0.000488889 |
| 306 | -0.00044 |
| 307 | -0.00044 |
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| 320 | -0.000303448 |

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| 321 | -0.000293333 |
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| 354 | -8.69565e-05 |
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| 738 | 4.87805e-05 |
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| 742 | 5.40541e-05 |
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| 747 | 6.45161e-05 |
| 748 | 6.66667e-05 |
| 749 | 6.89655e-05 |
| 750 | 7.14286e-05 |
| 751 | 7.14286e-05 |
| 752 | 7.40741e-05 |
| 753 | 7.40741e-05 |
| 754 | 7.69231e-05 |
| 755 | 7.69231e-05 |
| 756 | 8e-05 |
| 757 | 8.33333e-05 |
| 758 | 8.33333e-05 |
| 759 | 8.69565e-05 |
| 760 | 8.69565e-05 |
| 761 | 9.09091e-05 |
| 762 | 9.52381e-05 |
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| 764 | 0.000105263 |
| 765 | 0.000111111 |
| 766 | 0.000117647 |
| 767 | 0.000117647 |
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| 769 | 0.000125 |
| 770 | 0.000133333 |
| 771 | 0.000142857 |
| 772 | 0.000153846 |
| 773 | 0.000166667 |
| 774 | 0.000166667 |
| 775 | 0.000181818 |
| 776 | 0.000181818 |

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| 777 | 0.000190476 |
| 778 | 0.000195122 |
| 779 | 0.0002 |
| 780 | 0.0002 |
| 781 | 0.000205128 |
| 782 | 0.000210526 |
| 783 | 0.000216216 |
| 784 | 0.000222222 |
| 785 | 0.000222222 |
| 786 | 0.000222222 |
| 787 | 0.000228571 |
| 788 | 0.000235294 |
| 789 | 0.000242424 |
| 790 | 0.00025 |
| 791 | 0.00025 |
| 792 | 0.000258065 |
| 793 | 0.000266667 |
| 794 | 0.000275862 |
| 795 | 0.000285714 |
| 796 | 0.000307692 |
| 797 | 0.00032 |
| 798 | 0.000333333 |
| 799 | 0.000363636 |
| 800 | 0.000380952 |
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| 802 | 0.000461538 |
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| 804 | 0.00047619 |
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| 809 | 0.000533333 |
| 810 | 0.000555556 |
| 811 | 0.000555556 |
| 812 | 0.000571429 |
| 813 | 0.000588235 |
| 814 | 0.000588235 |
| 815 | 0.000625 |
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| 817 | 0.000666667 |
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| 819 | 0.000666667 |
| 820 | 0.000714286 |
| 821 | 0.000714286 |
| 822 | 0.000769231 |
| 823 | 0.000769231 |
| 824 | 0.0008 |
| 825 | 0.000833333 |
| 826 | 0.000888889 |
| 827 | 0.000909091 |
| 828 | 0.000909091 |
| 829 | 0.001 |
| 830 | 0.001 |
| 831 | 0.001 |
| 832 | 0.001 |
| 833 | 0.00111111 |

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|---|---|
| 834 | 0.00114286 |
| 835 | 0.00117391 |
| 836 | 0.0011875 |
| 837 | 0.00122727 |
| 838 | 0.00125 |
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| 840 | 0.00128571 |
| 841 | 0.00133333 |
| 842 | 0.00135 |
| 843 | 0.00142105 |
| 844 | 0.00142857 |
| 845 | 0.0015 |
| 846 | 0.00158824 |
| 847 | 0.0016 |
| 848 | 0.00166667 |
| 849 | 0.00166667 |
| 850 | 0.0016875 |
| 851 | 0.0018 |
| 852 | 0.0018 |
| 853 | 0.00188462 |
| 854 | 0.00192857 |
| 855 | 0.00196 |
| 856 | 0.002 |
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| 858 | 0.002 |
| 859 | 0.00204167 |
| 860 | 0.00213043 |
| 861 | 0.0022 |
| 862 | 0.00222727 |
| 863 | 0.00225 |
| 864 | 0.00233333 |
| 865 | 0.00245 |
| 866 | 0.00245455 |
| 867 | 0.0025 |
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| 871 | 0.00288235 |
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| 874 | 0.00326667 |
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| 877 | 0.00333333 |
| 878 | 0.0035 |
| 879 | 0.00357143 |
| 880 | 0.00375 |
| 881 | 0.00376923 |
| 882 | 0.00384615 |
| 883 | 0.00385714 |
| 884 | 0.004 |
| 885 | 0.00408333 |
| 886 | 0.00416667 |
| 887 | 0.0042 |
| 888 | 0.00425 |
| 889 | 0.00425 |
| 890 | 0.00428571 |

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|---|---|
| 891 | 0.00432258 |
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| 897 | 0.0049 |
| 898 | 0.00495238 |
| 899 | 0.00496296 |
| 900 | 0.005 |
| 901 | 0.005 |
| 902 | 0.005 |
| 903 | 0.005 |
| 904 | 0.00515385 |
| 905 | 0.00525 |
| 906 | 0.00536 |
| 907 | 0.0054 |
| 908 | 0.00544444 |
| 909 | 0.00555556 |
| 910 | 0.00557143 |
| 911 | 0.00558333 |
| 912 | 0.00582609 |
| 913 | 0.006 |
| 914 | 0.00609091 |
| 915 | 0.006125 |
| 916 | 0.0062 |
| 917 | 0.00625 |
| 918 | 0.00644286 |
| 919 | 0.0067 |
| 920 | 0.00705263 |
| 921 | 0.00714286 |
| 922 | 0.00733333 |
| 923 | 0.00744444 |
| 924 | 0.0075 |
| 925 | 0.00770833 |
| 926 | 0.00788235 |
| 927 | 0.00804348 |
| 928 | 0.00816667 |
| 929 | 0.00833333 |
| 930 | 0.00840909 |
| 931 | 0.00880952 |
| 932 | 0.00893333 |
| 933 | 0.009 |
| 934 | 0.00925 |
| 935 | 0.00936667 |
| 936 | 0.00957143 |
| 937 | 0.00973684 |
| 938 | 0.00975 |
| 939 | 0.0098 |
| 940 | 0.01 |
| 941 | 0.01 |
| 942 | 0.01 |
| 943 | 0.01022 |
| 944 | 0.0102778 |
| 945 | 0.0103077 |
| 946 | 0.0103333 |
| 947 | 0.0108824 |

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|---|---|
| 948 | 0.0110714 |
| 949 | 0.0115625 |
| 950 | 0.0121818 |
| 951 | 0.0123333 |
| 952 | 0.0125 |
| 953 | 0.0129 |
| 954 | 0.013375 |
| 955 | 0.0134 |
| 956 | 0.0134 |
| 957 | 0.0135 |
| 958 | 0.0137778 |
| 959 | 0.0142308 |
| 960 | 0.015 |
| 961 | 0.015 |
| 962 | 0.0154167 |
| 963 | 0.0166667 |
| 964 | 0.0168182 |
| 965 | 0.017 |
| 966 | 0.017 |
| 967 | 0.0185 |
| 968 | 0.01945 |
| 969 | 0.0223333 |
| 970 | 0.023125 |
| 971 | 0.0243333 |
| 972 | 0.025 |
| 973 | 0.0264286 |
| 974 | 0.03 |
| 975 | 0.0308333 |
| 976 | 0.0335 |
| 977 | 0.0341 |
| 978 | 0.0343 |
| 979 | 0.035 |
| 980 | 0.0446667 |
| 981 | 0.04625 |
| 982 | 0.049 |
| 983 | 0.05 |
| 984 | 0.0606 |
| 985 | 0.0616667 |
| 986 | 0.066 |
| 987 | 0.078 |
| 988 | 0.0875 |
| 989 | 0.134 |
| 990 | 0.158 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 28 |
| 2 | 0.11 | 2 |
| 3 | 0.102 | 2 |

| Time Period | Observations |
|---|---|
| 3/13/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |

| | |
|---|---|
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 9/2/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 46152
B = 0
C = 19656
D = 0
E = 760
F = 0
a = 188100
b = 766260
c = 3960
Group Variance = 7886
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 146.068
M1 = (990 - 146.068)/2.0 = 421.966
M2 = (990 + 146.068)/2.0 + 1 = 569.034
Lower limit is 0 = Q(422)
Upper limit is 0 = Q(569)

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 4
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(4 - 1) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (12/17/2020) | (0.035 - 0.1)/(10 - 1) | -0.00722222 |
| 0.0866 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.0866 - 0.1)/(11 - 1) | -0.00134 |
| 0.0454 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0454 - 0.1)/(12 - 1) | -0.00496364 |
| 0.0532 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0532 - 0.1)/(13 - 1) | -0.0039 |
| 0.0925 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.0925 - 0.1)/(14 - 1) | -0.000576923 |
| 0.0824 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0824 - 0.1)/(15 - 1) | -0.00125714 |
| 0.0652 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.0652 - 0.1)/(16 - 1) | -0.00232 |
| 0.0946 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.0946 - 0.1)/(17 - 1) | -0.0003375 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (3/18/2021) | (0.035 - 0.1)/(10 - 2) | -0.008125 |
| 0.0866 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.0866 - 0.1)/(11 - 2) | -0.00148889 |
| 0.0454 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0454 - 0.1)/(12 - 2) | -0.00546 |
| 0.0532 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0532 - 0.1)/(13 - 2) | -0.00425455 |
| 0.0925 (5/21/2024) | ND<0.1 U (3/18/2021) | (0.0925 - 0.1)/(14 - 2) | -0.000625 |
| 0.0824 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.0824 - 0.1)/(15 - 2) | -0.00135385 |
| 0.0652 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.0652 - 0.1)/(16 - 2) | -0.00248571 |
| 0.0946 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.0946 - 0.1)/(17 - 2) | -0.00036 |
| | | | |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (5/5/2021) | (0.035 - 0.1)/(10 - 3) | -0.00928571 |
| 0.0866 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.0866 - 0.1)/(11 - 3) | -0.001675 |
| 0.0454 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.0454 - 0.1)/(12 - 3) | -0.00606667 |
| 0.0532 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0532 - 0.1)/(13 - 3) | -0.00468 |
| 0.0925 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.0925 - 0.1)/(14 - 3) | -0.000681818 |
| 0.0824 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0824 - 0.1)/(15 - 3) | -0.00146667 |
| 0.0652 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.0652 - 0.1)/(16 - 3) | -0.00267692 |
| 0.0946 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.0946 - 0.1)/(17 - 3) | -0.000385714 |

| | | | |
|---|---|---|---|
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(5 - 4) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(7 - 4) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(8 - 4) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(9 - 4) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (11/23/2021) | (0.035 - 0.1)/(10 - 4) | -0.0108333 |
| 0.0866 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.0866 - 0.1)/(11 - 4) | -0.00191429 |
| 0.0454 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.0454 - 0.1)/(12 - 4) | -0.006825 |
| 0.0532 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0532 - 0.1)/(13 - 4) | -0.0052 |
| 0.0925 (5/21/2024) | ND<0.1 U (11/23/2021) | (0.0925 - 0.1)/(14 - 4) | -0.00075 |
| 0.0824 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.0824 - 0.1)/(15 - 4) | -0.0016 |
| 0.0652 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.0652 - 0.1)/(16 - 4) | -0.0029 |
| 0.0946 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.0946 - 0.1)/(17 - 4) | -0.000415385 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (1/11/2022) | (0.035 - 0.1)/(10 - 5) | -0.013 |
| 0.0866 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.0866 - 0.1)/(11 - 5) | -0.00223333 |
| 0.0454 (12/12/2023) | ND<0.1 U (1/11/2022) | (0.0454 - 0.1)/(12 - 5) | -0.0078 |
| 0.0532 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.0532 - 0.1)/(13 - 5) | -0.00585 |
| 0.0925 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.0925 - 0.1)/(14 - 5) | -0.000833333 |
| 0.0824 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0824 - 0.1)/(15 - 5) | -0.00176 |
| 0.0652 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.0652 - 0.1)/(16 - 5) | -0.00316364 |
| 0.0946 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.0946 - 0.1)/(17 - 5) | -0.00045 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (4/7/2022) | (0.035 - 0.1)/(10 - 6) | -0.01625 |
| 0.0866 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.0866 - 0.1)/(11 - 6) | -0.00268 |
| 0.0454 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.0454 - 0.1)/(12 - 6) | -0.0091 |
| 0.0532 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0532 - 0.1)/(13 - 6) | -0.00668571 |
| 0.0925 (5/21/2024) | ND<0.1 U (4/7/2022) | (0.0925 - 0.1)/(14 - 6) | -0.0009375 |
| 0.0824 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.0824 - 0.1)/(15 - 6) | -0.00195556 |
| 0.0652 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.0652 - 0.1)/(16 - 6) | -0.00348 |
| 0.0946 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.0946 - 0.1)/(17 - 6) | -0.000490909 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (8/2/2022) | (0.035 - 0.1)/(10 - 7) | -0.0216667 |
| 0.0866 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.0866 - 0.1)/(11 - 7) | -0.00335 |
| 0.0454 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.0454 - 0.1)/(12 - 7) | -0.01092 |
| 0.0532 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.0532 - 0.1)/(13 - 7) | -0.0078 |
| 0.0925 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.0925 - 0.1)/(14 - 7) | -0.00107143 |
| 0.0824 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0824 - 0.1)/(15 - 7) | -0.0022 |
| 0.0652 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.0652 - 0.1)/(16 - 7) | -0.00386667 |
| 0.0946 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.0946 - 0.1)/(17 - 7) | -0.00054 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.035 U (5/25/2023) | ND<0.1 U (11/16/2022) | (0.035 - 0.1)/(10 - 8) | -0.0325 |
| 0.0866 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0866 - 0.1)/(11 - 8) | -0.00446667 |
| 0.0454 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0454 - 0.1)/(12 - 8) | -0.01365 |
| 0.0532 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0532 - 0.1)/(13 - 8) | -0.00936 |
| 0.0925 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.0925 - 0.1)/(14 - 8) | -0.00125 |
| 0.0824 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0824 - 0.1)/(15 - 8) | -0.00251429 |

| | | | |
|---|---|---|---|
| 0.0652 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.0652 - 0.1)/(16 - 8) | -0.00435 |
| 0.0946 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.0946 - 0.1)/(17 - 8) | -0.0006 |
| | | | |
| ND<0.035 U (5/25/2023) | ND<0.1 U (2/14/2023) | (0.035 - 0.1)/(10 - 9) | -0.065 |
| 0.0866 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.0866 - 0.1)/(11 - 9) | -0.0067 |
| 0.0454 (12/12/2023) | ND<0.1 U (2/14/2023) | (0.0454 - 0.1)/(12 - 9) | -0.0182 |
| 0.0532 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.0532 - 0.1)/(13 - 9) | -0.0117 |
| 0.0925 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.0925 - 0.1)/(14 - 9) | -0.0015 |
| 0.0824 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0824 - 0.1)/(15 - 9) | -0.00293333 |
| 0.0652 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.0652 - 0.1)/(16 - 9) | -0.00497143 |
| 0.0946 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.0946 - 0.1)/(17 - 9) | -0.000675 |
| | | | |
| 0.0866 (8/7/2023) | ND<0.035 U (5/25/2023) | (0.0866 - 0.035)/(11 - 10) | 0.0516 |
| 0.0454 (12/12/2023) | ND<0.035 U (5/25/2023) | (0.0454 - 0.035)/(12 - 10) | 0.0052 |
| 0.0532 (1/10/2024) | ND<0.035 U (5/25/2023) | (0.0532 - 0.035)/(13 - 10) | 0.00606667 |
| 0.0925 (5/21/2024) | ND<0.035 U (5/25/2023) | (0.0925 - 0.035)/(14 - 10) | 0.014375 |
| 0.0824 (9/16/2024) | ND<0.035 U (5/25/2023) | (0.0824 - 0.035)/(15 - 10) | 0.00948 |
| 0.0652 (12/11/2024) | ND<0.035 U (5/25/2023) | (0.0652 - 0.035)/(16 - 10) | 0.00503333 |
| 0.0946 (2/18/2025) | ND<0.035 U (5/25/2023) | (0.0946 - 0.035)/(17 - 10) | 0.00851429 |
| | | | |
| 0.0454 (12/12/2023) | 0.0866 (8/7/2023) | (0.0454 - 0.0866)/(12 - 11) | -0.0412 |
| 0.0532 (1/10/2024) | 0.0866 (8/7/2023) | (0.0532 - 0.0866)/(13 - 11) | -0.0167 |
| 0.0925 (5/21/2024) | 0.0866 (8/7/2023) | (0.0925 - 0.0866)/(14 - 11) | 0.00196667 |
| 0.0824 (9/16/2024) | 0.0866 (8/7/2023) | (0.0824 - 0.0866)/(15 - 11) | -0.00105 |
| 0.0652 (12/11/2024) | 0.0866 (8/7/2023) | (0.0652 - 0.0866)/(16 - 11) | -0.00428 |
| 0.0946 (2/18/2025) | 0.0866 (8/7/2023) | (0.0946 - 0.0866)/(17 - 11) | 0.00133333 |
| | | | |
| 0.0532 (1/10/2024) | 0.0454 (12/12/2023) | (0.0532 - 0.0454)/(13 - 12) | 0.0078 |
| 0.0925 (5/21/2024) | 0.0454 (12/12/2023) | (0.0925 - 0.0454)/(14 - 12) | 0.02355 |
| 0.0824 (9/16/2024) | 0.0454 (12/12/2023) | (0.0824 - 0.0454)/(15 - 12) | 0.0123333 |
| 0.0652 (12/11/2024) | 0.0454 (12/12/2023) | (0.0652 - 0.0454)/(16 - 12) | 0.00495 |
| 0.0946 (2/18/2025) | 0.0454 (12/12/2023) | (0.0946 - 0.0454)/(17 - 12) | 0.00984 |
| | | | |
| 0.0925 (5/21/2024) | 0.0532 (1/10/2024) | (0.0925 - 0.0532)/(14 - 13) | 0.0393 |
| 0.0824 (9/16/2024) | 0.0532 (1/10/2024) | (0.0824 - 0.0532)/(15 - 13) | 0.0146 |
| 0.0652 (12/11/2024) | 0.0532 (1/10/2024) | (0.0652 - 0.0532)/(16 - 13) | 0.004 |
| 0.0946 (2/18/2025) | 0.0532 (1/10/2024) | (0.0946 - 0.0532)/(17 - 13) | 0.01035 |
| | | | |
| 0.0824 (9/16/2024) | 0.0925 (5/21/2024) | (0.0824 - 0.0925)/(15 - 14) | -0.0101 |
| 0.0652 (12/11/2024) | 0.0925 (5/21/2024) | (0.0652 - 0.0925)/(16 - 14) | -0.01365 |
| 0.0946 (2/18/2025) | 0.0925 (5/21/2024) | (0.0946 - 0.0925)/(17 - 14) | 0.0007 |
| | | | |
| 0.0652 (12/11/2024) | 0.0824 (9/16/2024) | (0.0652 - 0.0824)/(16 - 15) | -0.0172 |
| 0.0946 (2/18/2025) | 0.0824 (9/16/2024) | (0.0946 - 0.0824)/(17 - 15) | 0.0061 |
| | | | |
| 0.0946 (2/18/2025) | 0.0652 (12/11/2024) | (0.0946 - 0.0652)/(17 - 16) | 0.0294 |

Number of Q values = 136

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.065 |
| 2 | -0.0412 |
| 3 | -0.0325 |
| 4 | -0.0216667 |
| 5 | -0.0182 |

| | |
|---|---|
| 6 | -0.0172 |
| 7 | -0.0167 |
| 8 | -0.01625 |
| 9 | -0.01365 |
| 10 | -0.01365 |
| 11 | -0.013 |
| 12 | -0.0117 |
| 13 | -0.01092 |
| 14 | -0.0108333 |
| 15 | -0.0101 |
| 16 | -0.00936 |
| 17 | -0.00928571 |
| 18 | -0.0091 |
| 19 | -0.008125 |
| 20 | -0.0078 |
| 21 | -0.0078 |
| 22 | -0.00722222 |
| 23 | -0.006825 |
| 24 | -0.0067 |
| 25 | -0.00668571 |
| 26 | -0.00606667 |
| 27 | -0.00585 |
| 28 | -0.00546 |
| 29 | -0.0052 |
| 30 | -0.00497143 |
| 31 | -0.00496364 |
| 32 | -0.00468 |
| 33 | -0.00446667 |
| 34 | -0.00435 |
| 35 | -0.00428 |
| 36 | -0.00425455 |
| 37 | -0.0039 |
| 38 | -0.00386667 |
| 39 | -0.00348 |
| 40 | -0.00335 |
| 41 | -0.00316364 |
| 42 | -0.00293333 |
| 43 | -0.0029 |
| 44 | -0.00268 |
| 45 | -0.00267692 |
| 46 | -0.00251429 |
| 47 | -0.00248571 |
| 48 | -0.00232 |
| 49 | -0.00223333 |
| 50 | -0.0022 |
| 51 | -0.00195556 |
| 52 | -0.00191429 |
| 53 | -0.00176 |
| 54 | -0.001675 |
| 55 | -0.0016 |
| 56 | -0.0015 |
| 57 | -0.00148889 |
| 58 | -0.00146667 |
| 59 | -0.00135385 |
| 60 | -0.00134 |
| 61 | -0.00125714 |
| 62 | -0.00125 |

| | |
|---|---|
| 63 | -0.00107143 |
| 64 | -0.00105 |
| 65 | -0.0009375 |
| 66 | -0.000833333 |
| 67 | -0.00075 |
| 68 | -0.000681818 |
| 69 | -0.000675 |
| 70 | -0.000625 |
| 71 | -0.0006 |
| 72 | -0.000576923 |
| 73 | -0.00054 |
| 74 | -0.000490909 |
| 75 | -0.00045 |
| 76 | -0.000415385 |
| 77 | -0.000385714 |
| 78 | -0.00036 |
| 79 | -0.0003375 |
| 80 | 0 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0 |
| 85 | 0 |
| 86 | 0 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 0 |
| 101 | 0 |
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0 |
| 109 | 0 |
| 110 | 0 |
| 111 | 0 |
| 112 | 0 |
| 113 | 0 |
| 114 | 0 |
| 115 | 0 |
| 116 | 0.0007 |
| 117 | 0.00133333 |
| 118 | 0.00196667 |
| 119 | 0.004 |

| | |
|---|---|
| 120 | 0.00495 |
| 121 | 0.00503333 |
| 122 | 0.0052 |
| 123 | 0.00606667 |
| 124 | 0.0061 |
| 125 | 0.0078 |
| 126 | 0.00851429 |
| 127 | 0.00948 |
| 128 | 0.00984 |
| 129 | 0.01035 |
| 130 | 0.0123333 |
| 131 | 0.014375 |
| 132 | 0.0146 |
| 133 | 0.02355 |
| 134 | 0.0294 |
| 135 | 0.0393 |
| 136 | 0.0516 |

Sen's Estimator (Median Q) is -0.000678409

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 9 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 1656
B = 0
C = 504
D = 0
E = 72
F = 0
a = 10608
b = 36720
c = 544
Group Variance = 497.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 36.6818
M1 = (136 - 36.6818)/2.0 = 49.6591
M2 = (136 + 36.6818)/2.0 + 1 = 87.3409
Lower limit is -0.0022 = Q(50)

Upper limit is 0 = Q(87)
-0.0022 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.1 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(4 - 1) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(10 - 1) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (12/17/2020) | (0.0593 - 0.1)/(11 - 1) | -0.00407 |
| 0.122 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.122 - 0.1)/(12 - 1) | 0.002 |
| 0.037 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.037 - 0.1)/(13 - 1) | -0.00525 |
| 0.0773 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0773 - 0.1)/(14 - 1) | -0.00174615 |
| 0.0938 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.0938 - 0.1)/(15 - 1) | -0.000442857 |
| 0.0952 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0952 - 0.1)/(16 - 1) | -0.00032 |
| 0.0348 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.0348 - 0.1)/(17 - 1) | -0.004075 |
| 0.0855 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.0855 - 0.1)/(18 - 1) | -0.000852941 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.1 (9/2/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(10 - 2) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (3/18/2021) | (0.0593 - 0.1)/(11 - 2) | -0.00452222 |
| 0.122 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.122 - 0.1)/(12 - 2) | 0.0022 |
| 0.037 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.037 - 0.1)/(13 - 2) | -0.00572727 |
| 0.0773 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0773 - 0.1)/(14 - 2) | -0.00189167 |
| 0.0938 (5/21/2024) | ND<0.1 U (3/18/2021) | (0.0938 - 0.1)/(15 - 2) | -0.000476923 |
| 0.0952 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.0952 - 0.1)/(16 - 2) | -0.000342857 |
| 0.0348 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.0348 - 0.1)/(17 - 2) | -0.00434667 |
| 0.0855 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.0855 - 0.1)/(18 - 2) | -0.00090625 |
| | | | |
| 0.1 (9/2/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(10 - 3) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (5/5/2021) | (0.0593 - 0.1)/(11 - 3) | -0.0050875 |
| 0.122 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.122 - 0.1)/(12 - 3) | 0.00244444 |
| 0.037 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.037 - 0.1)/(13 - 3) | -0.0063 |
| 0.0773 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0773 - 0.1)/(14 - 3) | -0.00206364 |
| 0.0938 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.0938 - 0.1)/(15 - 3) | -0.000516667 |
| 0.0952 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0952 - 0.1)/(16 - 3) | -0.000369231 |

| | | | |
|---|---|---|---|
| 0.0348 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.0348 - 0.1)/(17 - 3) | -0.00465714 |
| 0.0855 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.0855 - 0.1)/(18 - 3) | -0.000966667 |
| | | | |
| ND<0.1 U (11/23/2021) | 0.1 (9/2/2021) | (0.1 - 0.1)/(5 - 4) | 0 |
| ND<0.1 U (1/11/2022) | 0.1 (9/2/2021) | (0.1 - 0.1)/(6 - 4) | 0 |
| ND<0.1 U (4/7/2022) | 0.1 (9/2/2021) | (0.1 - 0.1)/(7 - 4) | 0 |
| ND<0.1 U (8/2/2022) | 0.1 (9/2/2021) | (0.1 - 0.1)/(8 - 4) | 0 |
| ND<0.1 U (11/16/2022) | 0.1 (9/2/2021) | (0.1 - 0.1)/(9 - 4) | 0 |
| ND<0.1 U (2/14/2023) | 0.1 (9/2/2021) | (0.1 - 0.1)/(10 - 4) | 0 |
| 0.0593 (5/25/2023) | 0.1 (9/2/2021) | (0.0593 - 0.1)/(11 - 4) | -0.00581429 |
| 0.122 (8/7/2023) | 0.1 (9/2/2021) | (0.122 - 0.1)/(12 - 4) | 0.00275 |
| 0.037 (12/12/2023) | 0.1 (9/2/2021) | (0.037 - 0.1)/(13 - 4) | -0.007 |
| 0.0773 (1/10/2024) | 0.1 (9/2/2021) | (0.0773 - 0.1)/(14 - 4) | -0.00227 |
| 0.0938 (5/21/2024) | 0.1 (9/2/2021) | (0.0938 - 0.1)/(15 - 4) | -0.000563636 |
| 0.0952 (9/16/2024) | 0.1 (9/2/2021) | (0.0952 - 0.1)/(16 - 4) | -0.0004 |
| 0.0348 (12/11/2024) | 0.1 (9/2/2021) | (0.0348 - 0.1)/(17 - 4) | -0.00501538 |
| 0.0855 (2/18/2025) | 0.1 (9/2/2021) | (0.0855 - 0.1)/(18 - 4) | -0.00103571 |
| | | | |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(10 - 5) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (11/23/2021) | (0.0593 - 0.1)/(11 - 5) | -0.00678333 |
| 0.122 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.122 - 0.1)/(12 - 5) | 0.00314286 |
| 0.037 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.037 - 0.1)/(13 - 5) | -0.007875 |
| 0.0773 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0773 - 0.1)/(14 - 5) | -0.00252222 |
| 0.0938 (5/21/2024) | ND<0.1 U (11/23/2021) | (0.0938 - 0.1)/(15 - 5) | -0.00062 |
| 0.0952 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.0952 - 0.1)/(16 - 5) | -0.000436364 |
| 0.0348 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.0348 - 0.1)/(17 - 5) | -0.00543333 |
| 0.0855 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.0855 - 0.1)/(18 - 5) | -0.00111538 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(10 - 6) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.0593 - 0.1)/(11 - 6) | -0.00814 |
| 0.122 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.122 - 0.1)/(12 - 6) | 0.00366667 |
| 0.037 (12/12/2023) | ND<0.1 U (1/11/2022) | (0.037 - 0.1)/(13 - 6) | -0.009 |
| 0.0773 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.0773 - 0.1)/(14 - 6) | -0.0028375 |
| 0.0938 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.0938 - 0.1)/(15 - 6) | -0.000688889 |
| 0.0952 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0952 - 0.1)/(16 - 6) | -0.00048 |
| 0.0348 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.0348 - 0.1)/(17 - 6) | -0.00592727 |
| 0.0855 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.0855 - 0.1)/(18 - 6) | -0.00120833 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(10 - 7) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (4/7/2022) | (0.0593 - 0.1)/(11 - 7) | -0.010175 |
| 0.122 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.122 - 0.1)/(12 - 7) | 0.0044 |
| 0.037 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.037 - 0.1)/(13 - 7) | -0.0105 |
| 0.0773 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0773 - 0.1)/(14 - 7) | -0.00324286 |
| 0.0938 (5/21/2024) | ND<0.1 U (4/7/2022) | (0.0938 - 0.1)/(15 - 7) | -0.000775 |
| 0.0952 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.0952 - 0.1)/(16 - 7) | -0.000533333 |
| 0.0348 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.0348 - 0.1)/(17 - 7) | -0.00652 |
| 0.0855 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.0855 - 0.1)/(18 - 7) | -0.00131818 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(10 - 8) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0593 - 0.1)/(11 - 8) | -0.0135667 |
| 0.122 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.122 - 0.1)/(12 - 8) | 0.0055 |
| 0.037 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.037 - 0.1)/(13 - 8) | -0.0126 |
| 0.0773 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.0773 - 0.1)/(14 - 8) | -0.00378333 |
| 0.0938 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.0938 - 0.1)/(15 - 8) | -0.000885714 |
| 0.0952 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0952 - 0.1)/(16 - 8) | -0.0006 |
| 0.0348 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.0348 - 0.1)/(17 - 8) | -0.00724444 |
| 0.0855 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.0855 - 0.1)/(18 - 8) | -0.00145 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(10 - 9) | 0 |
| 0.0593 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0593 - 0.1)/(11 - 9) | -0.02035 |
| 0.122 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.122 - 0.1)/(12 - 9) | 0.00733333 |
| 0.037 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.037 - 0.1)/(13 - 9) | -0.01575 |
| 0.0773 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0773 - 0.1)/(14 - 9) | -0.00454 |
| 0.0938 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.0938 - 0.1)/(15 - 9) | -0.00103333 |
| 0.0952 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0952 - 0.1)/(16 - 9) | -0.000685714 |
| 0.0348 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.0348 - 0.1)/(17 - 9) | -0.00815 |
| 0.0855 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.0855 - 0.1)/(18 - 9) | -0.00161111 |
| | | | |
| 0.0593 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.0593 - 0.1)/(11 - 10) | -0.0407 |
| 0.122 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.122 - 0.1)/(12 - 10) | 0.011 |
| 0.037 (12/12/2023) | ND<0.1 U (2/14/2023) | (0.037 - 0.1)/(13 - 10) | -0.021 |
| 0.0773 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.0773 - 0.1)/(14 - 10) | -0.005675 |
| 0.0938 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.0938 - 0.1)/(15 - 10) | -0.00124 |
| 0.0952 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0952 - 0.1)/(16 - 10) | -0.0008 |
| 0.0348 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.0348 - 0.1)/(17 - 10) | -0.00931429 |
| 0.0855 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.0855 - 0.1)/(18 - 10) | -0.0018125 |
| | | | |
| 0.122 (8/7/2023) | 0.0593 (5/25/2023) | (0.122 - 0.0593)/(12 - 11) | 0.0627 |
| 0.037 (12/12/2023) | 0.0593 (5/25/2023) | (0.037 - 0.0593)/(13 - 11) | -0.01115 |
| 0.0773 (1/10/2024) | 0.0593 (5/25/2023) | (0.0773 - 0.0593)/(14 - 11) | 0.006 |
| 0.0938 (5/21/2024) | 0.0593 (5/25/2023) | (0.0938 - 0.0593)/(15 - 11) | 0.008625 |
| 0.0952 (9/16/2024) | 0.0593 (5/25/2023) | (0.0952 - 0.0593)/(16 - 11) | 0.00718 |
| 0.0348 (12/11/2024) | 0.0593 (5/25/2023) | (0.0348 - 0.0593)/(17 - 11) | -0.00408333 |
| 0.0855 (2/18/2025) | 0.0593 (5/25/2023) | (0.0855 - 0.0593)/(18 - 11) | 0.00374286 |
| | | | |
| 0.037 (12/12/2023) | 0.122 (8/7/2023) | (0.037 - 0.122)/(13 - 12) | -0.085 |
| 0.0773 (1/10/2024) | 0.122 (8/7/2023) | (0.0773 - 0.122)/(14 - 12) | -0.02235 |
| 0.0938 (5/21/2024) | 0.122 (8/7/2023) | (0.0938 - 0.122)/(15 - 12) | -0.0094 |
| 0.0952 (9/16/2024) | 0.122 (8/7/2023) | (0.0952 - 0.122)/(16 - 12) | -0.0067 |
| 0.0348 (12/11/2024) | 0.122 (8/7/2023) | (0.0348 - 0.122)/(17 - 12) | -0.01744 |
| 0.0855 (2/18/2025) | 0.122 (8/7/2023) | (0.0855 - 0.122)/(18 - 12) | -0.00608333 |
| | | | |
| 0.0773 (1/10/2024) | 0.037 (12/12/2023) | (0.0773 - 0.037)/(14 - 13) | 0.0403 |
| 0.0938 (5/21/2024) | 0.037 (12/12/2023) | (0.0938 - 0.037)/(15 - 13) | 0.0284 |
| 0.0952 (9/16/2024) | 0.037 (12/12/2023) | (0.0952 - 0.037)/(16 - 13) | 0.0194 |
| 0.0348 (12/11/2024) | 0.037 (12/12/2023) | (0.0348 - 0.037)/(17 - 13) | -0.00055 |
| 0.0855 (2/18/2025) | 0.037 (12/12/2023) | (0.0855 - 0.037)/(18 - 13) | 0.0097 |
| | | | |
| 0.0938 (5/21/2024) | 0.0773 (1/10/2024) | (0.0938 - 0.0773)/(15 - 14) | 0.0165 |
| 0.0952 (9/16/2024) | 0.0773 (1/10/2024) | (0.0952 - 0.0773)/(16 - 14) | 0.00895 |
| 0.0348 (12/11/2024) | 0.0773 (1/10/2024) | (0.0348 - 0.0773)/(17 - 14) | -0.0141667 |
| 0.0855 (2/18/2025) | 0.0773 (1/10/2024) | (0.0855 - 0.0773)/(18 - 14) | 0.00205 |
| | | | |
| 0.0952 (9/16/2024) | 0.0938 (5/21/2024) | (0.0952 - 0.0938)/(16 - 15) | 0.0014 |

| | | | |
|---|---|---|---|
| 0.0348 (12/11/2024) | 0.0938 (5/21/2024) | (0.0348 - 0.0938)/(17 - 15) | -0.0295 |
| 0.0855 (2/18/2025) | 0.0938 (5/21/2024) | (0.0855 - 0.0938)/(18 - 15) | -0.00276667 |
| 0.0348 (12/11/2024) | 0.0952 (9/16/2024) | (0.0348 - 0.0952)/(17 - 16) | -0.0604 |
| 0.0855 (2/18/2025) | 0.0952 (9/16/2024) | (0.0855 - 0.0952)/(18 - 16) | -0.00485 |
| 0.0855 (2/18/2025) | 0.0348 (12/11/2024) | (0.0855 - 0.0348)/(18 - 17) | 0.0507 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.085 |
| 2 | -0.0604 |
| 3 | -0.0407 |
| 4 | -0.0295 |
| 5 | -0.02235 |
| 6 | -0.021 |
| 7 | -0.02035 |
| 8 | -0.01744 |
| 9 | -0.01575 |
| 10 | -0.0141667 |
| 11 | -0.0135667 |
| 12 | -0.0126 |
| 13 | -0.01115 |
| 14 | -0.0105 |
| 15 | -0.010175 |
| 16 | -0.0094 |
| 17 | -0.00931429 |
| 18 | -0.009 |
| 19 | -0.00815 |
| 20 | -0.00814 |
| 21 | -0.007875 |
| 22 | -0.00724444 |
| 23 | -0.007 |
| 24 | -0.00678333 |
| 25 | -0.0067 |
| 26 | -0.00652 |
| 27 | -0.0063 |
| 28 | -0.00608333 |
| 29 | -0.00592727 |
| 30 | -0.00581429 |
| 31 | -0.00572727 |
| 32 | -0.005675 |
| 33 | -0.00543333 |
| 34 | -0.00525 |
| 35 | -0.0050875 |
| 36 | -0.00501538 |
| 37 | -0.00485 |
| 38 | -0.00465714 |
| 39 | -0.00454 |
| 40 | -0.00452222 |
| 41 | -0.00434667 |
| 42 | -0.00408333 |
| 43 | -0.004075 |
| 44 | -0.00407 |

| | |
|---|---|
| 45 | -0.00378333 |
| 46 | -0.00324286 |
| 47 | -0.0028375 |
| 48 | -0.00276667 |
| 49 | -0.00252222 |
| 50 | -0.00227 |
| 51 | -0.00206364 |
| 52 | -0.00189167 |
| 53 | -0.0018125 |
| 54 | -0.00174615 |
| 55 | -0.00161111 |
| 56 | -0.00145 |
| 57 | -0.00131818 |
| 58 | -0.00124 |
| 59 | -0.00120833 |
| 60 | -0.00111538 |
| 61 | -0.00103571 |
| 62 | -0.00103333 |
| 63 | -0.000966667 |
| 64 | -0.00090625 |
| 65 | -0.000885714 |
| 66 | -0.000852941 |
| 67 | -0.0008 |
| 68 | -0.000775 |
| 69 | -0.000688889 |
| 70 | -0.000685714 |
| 71 | -0.00062 |
| 72 | -0.0006 |
| 73 | -0.000563636 |
| 74 | -0.00055 |
| 75 | -0.000533333 |
| 76 | -0.000516667 |
| 77 | -0.00048 |
| 78 | -0.000476923 |
| 79 | -0.000442857 |
| 80 | -0.000436364 |
| 81 | -0.0004 |
| 82 | -0.000369231 |
| 83 | -0.000342857 |
| 84 | -0.00032 |
| 85 | 0 |
| 86 | 0 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 0 |
| 101 | 0 |

| | |
|---|---|
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0 |
| 109 | 0 |
| 110 | 0 |
| 111 | 0 |
| 112 | 0 |
| 113 | 0 |
| 114 | 0 |
| 115 | 0 |
| 116 | 0 |
| 117 | 0 |
| 118 | 0 |
| 119 | 0 |
| 120 | 0 |
| 121 | 0 |
| 122 | 0 |
| 123 | 0 |
| 124 | 0 |
| 125 | 0 |
| 126 | 0 |
| 127 | 0 |
| 128 | 0 |
| 129 | 0 |
| 130 | 0.0014 |
| 131 | 0.002 |
| 132 | 0.00205 |
| 133 | 0.0022 |
| 134 | 0.00244444 |
| 135 | 0.00275 |
| 136 | 0.00314286 |
| 137 | 0.00366667 |
| 138 | 0.00374286 |
| 139 | 0.0044 |
| 140 | 0.0055 |
| 141 | 0.006 |
| 142 | 0.00718 |
| 143 | 0.00733333 |
| 144 | 0.008625 |
| 145 | 0.00895 |
| 146 | 0.0097 |
| 147 | 0.011 |
| 148 | 0.0165 |
| 149 | 0.0194 |
| 150 | 0.0284 |
| 151 | 0.0403 |
| 152 | 0.0507 |
| 153 | 0.0627 |

Sen's Estimator (Median Q) is -0.00048

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 10 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 2250
B = 0
C = 720
D = 0
E = 90
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 572
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 39.3392
M1 = (153 - 39.3392)/2.0 = 56.8304
M2 = (153 + 39.3392)/2.0 + 1 = 97.1696
Lower limit is -0.00131818 = Q(57)
Upper limit is 0 = Q(97)
-0.00131818 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (3/18/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (5/5/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(3 - 1) | 0 |
| 0.43 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.43 - 0.1)/(4 - 1) | 0.11 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(5 - 1) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(6 - 1) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(7 - 1) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(8 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(9 - 1) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (12/17/2020) | (0.1 - 0.1)/(10 - 1) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (12/17/2020) | (0.0424 - 0.1)/(11 - 1) | -0.00576 |
| 0.095 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.095 - 0.1)/(12 - 1) | -0.000454545 |
| 0.0507 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.0507 - 0.1)/(13 - 1) | -0.00410833 |
| 0.0849 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.0849 - 0.1)/(14 - 1) | -0.00116154 |
| 0.07 (5/21/2024) | ND<0.1 U (12/17/2020) | (0.07 - 0.1)/(15 - 1) | -0.00214286 |
| 0.0908 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.0908 - 0.1)/(16 - 1) | -0.000613333 |
| 0.025 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.025 - 0.1)/(17 - 1) | -0.0046875 |
| 0.161 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.161 - 0.1)/(18 - 1) | 0.00358824 |
| | | | |
| ND<0.1 U (5/5/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(3 - 2) | 0 |
| 0.43 (9/2/2021) | ND<0.1 U (3/18/2021) | (0.43 - 0.1)/(4 - 2) | 0.165 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(5 - 2) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(6 - 2) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(7 - 2) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(8 - 2) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(9 - 2) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (3/18/2021) | (0.1 - 0.1)/(10 - 2) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (3/18/2021) | (0.0424 - 0.1)/(11 - 2) | -0.0064 |
| 0.095 (8/7/2023) | ND<0.1 U (3/18/2021) | (0.095 - 0.1)/(12 - 2) | -0.0005 |
| 0.0507 (12/12/2023) | ND<0.1 U (3/18/2021) | (0.0507 - 0.1)/(13 - 2) | -0.00448182 |
| 0.0849 (1/10/2024) | ND<0.1 U (3/18/2021) | (0.0849 - 0.1)/(14 - 2) | -0.00125833 |
| 0.07 (5/21/2024) | ND<0.1 U (3/18/2021) | (0.07 - 0.1)/(15 - 2) | -0.00230769 |
| 0.0908 (9/16/2024) | ND<0.1 U (3/18/2021) | (0.0908 - 0.1)/(16 - 2) | -0.000657143 |
| 0.025 (12/11/2024) | ND<0.1 U (3/18/2021) | (0.025 - 0.1)/(17 - 2) | -0.005 |
| 0.161 (2/18/2025) | ND<0.1 U (3/18/2021) | (0.161 - 0.1)/(18 - 2) | 0.0038125 |
| | | | |
| 0.43 (9/2/2021) | ND<0.1 U (5/5/2021) | (0.43 - 0.1)/(4 - 3) | 0.33 |
| ND<0.1 U (11/23/2021) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(5 - 3) | 0 |
| ND<0.1 U (1/11/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(6 - 3) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(7 - 3) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(8 - 3) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(9 - 3) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (5/5/2021) | (0.1 - 0.1)/(10 - 3) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (5/5/2021) | (0.0424 - 0.1)/(11 - 3) | -0.0072 |
| 0.095 (8/7/2023) | ND<0.1 U (5/5/2021) | (0.095 - 0.1)/(12 - 3) | -0.000555556 |
| 0.0507 (12/12/2023) | ND<0.1 U (5/5/2021) | (0.0507 - 0.1)/(13 - 3) | -0.00493 |
| 0.0849 (1/10/2024) | ND<0.1 U (5/5/2021) | (0.0849 - 0.1)/(14 - 3) | -0.00137273 |
| 0.07 (5/21/2024) | ND<0.1 U (5/5/2021) | (0.07 - 0.1)/(15 - 3) | -0.0025 |
| 0.0908 (9/16/2024) | ND<0.1 U (5/5/2021) | (0.0908 - 0.1)/(16 - 3) | -0.000707692 |

| | | | |
|---|---|---|---|
| 0.025 (12/11/2024) | ND<0.1 U (5/5/2021) | (0.025 - 0.1)/(17 - 3) | -0.00535714 |
| 0.161 (2/18/2025) | ND<0.1 U (5/5/2021) | (0.161 - 0.1)/(18 - 3) | 0.00406667 |
| | | | |
| ND<0.1 U (11/23/2021) | 0.43 (9/2/2021) | (0.1 - 0.43)/(5 - 4) | -0.33 |
| ND<0.1 U (1/11/2022) | 0.43 (9/2/2021) | (0.1 - 0.43)/(6 - 4) | -0.165 |
| ND<0.1 U (4/7/2022) | 0.43 (9/2/2021) | (0.1 - 0.43)/(7 - 4) | -0.11 |
| ND<0.1 U (8/2/2022) | 0.43 (9/2/2021) | (0.1 - 0.43)/(8 - 4) | -0.0825 |
| ND<0.1 U (11/16/2022) | 0.43 (9/2/2021) | (0.1 - 0.43)/(9 - 4) | -0.066 |
| ND<0.1 U (2/14/2023) | 0.43 (9/2/2021) | (0.1 - 0.43)/(10 - 4) | -0.055 |
| 0.0424 (5/25/2023) | 0.43 (9/2/2021) | (0.0424 - 0.43)/(11 - 4) | -0.0553714 |
| 0.095 (8/7/2023) | 0.43 (9/2/2021) | (0.095 - 0.43)/(12 - 4) | -0.041875 |
| 0.0507 (12/12/2023) | 0.43 (9/2/2021) | (0.0507 - 0.43)/(13 - 4) | -0.0421444 |
| 0.0849 (1/10/2024) | 0.43 (9/2/2021) | (0.0849 - 0.43)/(14 - 4) | -0.03451 |
| 0.07 (5/21/2024) | 0.43 (9/2/2021) | (0.07 - 0.43)/(15 - 4) | -0.0327273 |
| 0.0908 (9/16/2024) | 0.43 (9/2/2021) | (0.0908 - 0.43)/(16 - 4) | -0.0282667 |
| 0.025 (12/11/2024) | 0.43 (9/2/2021) | (0.025 - 0.43)/(17 - 4) | -0.0311538 |
| 0.161 (2/18/2025) | 0.43 (9/2/2021) | (0.161 - 0.43)/(18 - 4) | -0.0192143 |
| | | | |
| ND<0.1 U (1/11/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(6 - 5) | 0 |
| ND<0.1 U (4/7/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(7 - 5) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(8 - 5) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(9 - 5) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/23/2021) | (0.1 - 0.1)/(10 - 5) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (11/23/2021) | (0.0424 - 0.1)/(11 - 5) | -0.0096 |
| 0.095 (8/7/2023) | ND<0.1 U (11/23/2021) | (0.095 - 0.1)/(12 - 5) | -0.000714286 |
| 0.0507 (12/12/2023) | ND<0.1 U (11/23/2021) | (0.0507 - 0.1)/(13 - 5) | -0.0061625 |
| 0.0849 (1/10/2024) | ND<0.1 U (11/23/2021) | (0.0849 - 0.1)/(14 - 5) | -0.00167778 |
| 0.07 (5/21/2024) | ND<0.1 U (11/23/2021) | (0.07 - 0.1)/(15 - 5) | -0.003 |
| 0.0908 (9/16/2024) | ND<0.1 U (11/23/2021) | (0.0908 - 0.1)/(16 - 5) | -0.000836364 |
| 0.025 (12/11/2024) | ND<0.1 U (11/23/2021) | (0.025 - 0.1)/(17 - 5) | -0.00625 |
| 0.161 (2/18/2025) | ND<0.1 U (11/23/2021) | (0.161 - 0.1)/(18 - 5) | 0.00469231 |
| | | | |
| ND<0.1 U (4/7/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(7 - 6) | 0 |
| ND<0.1 U (8/2/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(8 - 6) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(9 - 6) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (1/11/2022) | (0.1 - 0.1)/(10 - 6) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (1/11/2022) | (0.0424 - 0.1)/(11 - 6) | -0.01152 |
| 0.095 (8/7/2023) | ND<0.1 U (1/11/2022) | (0.095 - 0.1)/(12 - 6) | -0.000833333 |
| 0.0507 (12/12/2023) | ND<0.1 U (1/11/2022) | (0.0507 - 0.1)/(13 - 6) | -0.00704286 |
| 0.0849 (1/10/2024) | ND<0.1 U (1/11/2022) | (0.0849 - 0.1)/(14 - 6) | -0.0018875 |
| 0.07 (5/21/2024) | ND<0.1 U (1/11/2022) | (0.07 - 0.1)/(15 - 6) | -0.00333333 |
| 0.0908 (9/16/2024) | ND<0.1 U (1/11/2022) | (0.0908 - 0.1)/(16 - 6) | -0.00092 |
| 0.025 (12/11/2024) | ND<0.1 U (1/11/2022) | (0.025 - 0.1)/(17 - 6) | -0.00681818 |
| 0.161 (2/18/2025) | ND<0.1 U (1/11/2022) | (0.161 - 0.1)/(18 - 6) | 0.00508333 |
| | | | |
| ND<0.1 U (8/2/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(8 - 7) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(9 - 7) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(10 - 7) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (4/7/2022) | (0.0424 - 0.1)/(11 - 7) | -0.0144 |
| 0.095 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.095 - 0.1)/(12 - 7) | -0.001 |
| 0.0507 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.0507 - 0.1)/(13 - 7) | -0.00821667 |
| 0.0849 (1/10/2024) | ND<0.1 U (4/7/2022) | (0.0849 - 0.1)/(14 - 7) | -0.00215714 |
| 0.07 (5/21/2024) | ND<0.1 U (4/7/2022) | (0.07 - 0.1)/(15 - 7) | -0.00375 |
| 0.0908 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.0908 - 0.1)/(16 - 7) | -0.00102222 |
| 0.025 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.025 - 0.1)/(17 - 7) | -0.0075 |
| 0.161 (2/18/2025) | ND<0.1 U (4/7/2022) | (0.161 - 0.1)/(18 - 7) | 0.00554545 |

| | | | |
|---|---|---|---|
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(9 - 8) | 0 |
| ND<0.1 U (2/14/2023) | ND<0.1 U (8/2/2022) | (0.1 - 0.1)/(10 - 8) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (8/2/2022) | (0.0424 - 0.1)/(11 - 8) | -0.0192 |
| 0.095 (8/7/2023) | ND<0.1 U (8/2/2022) | (0.095 - 0.1)/(12 - 8) | -0.00125 |
| 0.0507 (12/12/2023) | ND<0.1 U (8/2/2022) | (0.0507 - 0.1)/(13 - 8) | -0.00986 |
| 0.0849 (1/10/2024) | ND<0.1 U (8/2/2022) | (0.0849 - 0.1)/(14 - 8) | -0.00251667 |
| 0.07 (5/21/2024) | ND<0.1 U (8/2/2022) | (0.07 - 0.1)/(15 - 8) | -0.00428571 |
| 0.0908 (9/16/2024) | ND<0.1 U (8/2/2022) | (0.0908 - 0.1)/(16 - 8) | -0.00115 |
| 0.025 (12/11/2024) | ND<0.1 U (8/2/2022) | (0.025 - 0.1)/(17 - 8) | -0.00833333 |
| 0.161 (2/18/2025) | ND<0.1 U (8/2/2022) | (0.161 - 0.1)/(18 - 8) | 0.0061 |
| | | | |
| ND<0.1 U (2/14/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(10 - 9) | 0 |
| 0.0424 (5/25/2023) | ND<0.1 U (11/16/2022) | (0.0424 - 0.1)/(11 - 9) | -0.0288 |
| 0.095 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.095 - 0.1)/(12 - 9) | -0.00166667 |
| 0.0507 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0507 - 0.1)/(13 - 9) | -0.012325 |
| 0.0849 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0849 - 0.1)/(14 - 9) | -0.00302 |
| 0.07 (5/21/2024) | ND<0.1 U (11/16/2022) | (0.07 - 0.1)/(15 - 9) | -0.005 |
| 0.0908 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.0908 - 0.1)/(16 - 9) | -0.00131429 |
| 0.025 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.025 - 0.1)/(17 - 9) | -0.009375 |
| 0.161 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.161 - 0.1)/(18 - 9) | 0.00677778 |
| | | | |
| 0.0424 (5/25/2023) | ND<0.1 U (2/14/2023) | (0.0424 - 0.1)/(11 - 10) | -0.0576 |
| 0.095 (8/7/2023) | ND<0.1 U (2/14/2023) | (0.095 - 0.1)/(12 - 10) | -0.0025 |
| 0.0507 (12/12/2023) | ND<0.1 U (2/14/2023) | (0.0507 - 0.1)/(13 - 10) | -0.0164333 |
| 0.0849 (1/10/2024) | ND<0.1 U (2/14/2023) | (0.0849 - 0.1)/(14 - 10) | -0.003775 |
| 0.07 (5/21/2024) | ND<0.1 U (2/14/2023) | (0.07 - 0.1)/(15 - 10) | -0.006 |
| 0.0908 (9/16/2024) | ND<0.1 U (2/14/2023) | (0.0908 - 0.1)/(16 - 10) | -0.00153333 |
| 0.025 (12/11/2024) | ND<0.1 U (2/14/2023) | (0.025 - 0.1)/(17 - 10) | -0.0107143 |
| 0.161 (2/18/2025) | ND<0.1 U (2/14/2023) | (0.161 - 0.1)/(18 - 10) | 0.007625 |
| | | | |
| 0.095 (8/7/2023) | 0.0424 (5/25/2023) | (0.095 - 0.0424)/(12 - 11) | 0.0526 |
| 0.0507 (12/12/2023) | 0.0424 (5/25/2023) | (0.0507 - 0.0424)/(13 - 11) | 0.00415 |
| 0.0849 (1/10/2024) | 0.0424 (5/25/2023) | (0.0849 - 0.0424)/(14 - 11) | 0.0141667 |
| 0.07 (5/21/2024) | 0.0424 (5/25/2023) | (0.07 - 0.0424)/(15 - 11) | 0.0069 |
| 0.0908 (9/16/2024) | 0.0424 (5/25/2023) | (0.0908 - 0.0424)/(16 - 11) | 0.00968 |
| 0.025 (12/11/2024) | 0.0424 (5/25/2023) | (0.025 - 0.0424)/(17 - 11) | -0.0029 |
| 0.161 (2/18/2025) | 0.0424 (5/25/2023) | (0.161 - 0.0424)/(18 - 11) | 0.0169429 |
| | | | |
| 0.0507 (12/12/2023) | 0.095 (8/7/2023) | (0.0507 - 0.095)/(13 - 12) | -0.0443 |
| 0.0849 (1/10/2024) | 0.095 (8/7/2023) | (0.0849 - 0.095)/(14 - 12) | -0.00505 |
| 0.07 (5/21/2024) | 0.095 (8/7/2023) | (0.07 - 0.095)/(15 - 12) | -0.00833333 |
| 0.0908 (9/16/2024) | 0.095 (8/7/2023) | (0.0908 - 0.095)/(16 - 12) | -0.00105 |
| 0.025 (12/11/2024) | 0.095 (8/7/2023) | (0.025 - 0.095)/(17 - 12) | -0.014 |
| 0.161 (2/18/2025) | 0.095 (8/7/2023) | (0.161 - 0.095)/(18 - 12) | 0.011 |
| | | | |
| 0.0849 (1/10/2024) | 0.0507 (12/12/2023) | (0.0849 - 0.0507)/(14 - 13) | 0.0342 |
| 0.07 (5/21/2024) | 0.0507 (12/12/2023) | (0.07 - 0.0507)/(15 - 13) | 0.00965 |
| 0.0908 (9/16/2024) | 0.0507 (12/12/2023) | (0.0908 - 0.0507)/(16 - 13) | 0.0133667 |
| 0.025 (12/11/2024) | 0.0507 (12/12/2023) | (0.025 - 0.0507)/(17 - 13) | -0.006425 |
| 0.161 (2/18/2025) | 0.0507 (12/12/2023) | (0.161 - 0.0507)/(18 - 13) | 0.02206 |
| | | | |
| 0.07 (5/21/2024) | 0.0849 (1/10/2024) | (0.07 - 0.0849)/(15 - 14) | -0.0149 |
| 0.0908 (9/16/2024) | 0.0849 (1/10/2024) | (0.0908 - 0.0849)/(16 - 14) | 0.00295 |
| 0.025 (12/11/2024) | 0.0849 (1/10/2024) | (0.025 - 0.0849)/(17 - 14) | -0.0199667 |
| 0.161 (2/18/2025) | 0.0849 (1/10/2024) | (0.161 - 0.0849)/(18 - 14) | 0.019025 |
| | | | |
| 0.0908 (9/16/2024) | 0.07 (5/21/2024) | (0.0908 - 0.07)/(16 - 15) | 0.0208 |

| | | | |
|---|---|---|---|
| 0.025 (12/11/2024) | 0.07 (5/21/2024) | (0.025 - 0.07)/(17 - 15) | -0.0225 |
| 0.161 (2/18/2025) | 0.07 (5/21/2024) | (0.161 - 0.07)/(18 - 15) | 0.0303333 |
| 0.025 (12/11/2024) | 0.0908 (9/16/2024) | (0.025 - 0.0908)/(17 - 16) | -0.0658 |
| 0.161 (2/18/2025) | 0.0908 (9/16/2024) | (0.161 - 0.0908)/(18 - 16) | 0.0351 |
| 0.161 (2/18/2025) | 0.025 (12/11/2024) | (0.161 - 0.025)/(18 - 17) | 0.136 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.33 |
| 2 | -0.165 |
| 3 | -0.11 |
| 4 | -0.0825 |
| 5 | -0.066 |
| 6 | -0.0658 |
| 7 | -0.0576 |
| 8 | -0.0553714 |
| 9 | -0.055 |
| 10 | -0.0443 |
| 11 | -0.0421444 |
| 12 | -0.041875 |
| 13 | -0.03451 |
| 14 | -0.0327273 |
| 15 | -0.0311538 |
| 16 | -0.0288 |
| 17 | -0.0282667 |
| 18 | -0.0225 |
| 19 | -0.0199667 |
| 20 | -0.0192143 |
| 21 | -0.0192 |
| 22 | -0.0164333 |
| 23 | -0.0149 |
| 24 | -0.0144 |
| 25 | -0.014 |
| 26 | -0.012325 |
| 27 | -0.01152 |
| 28 | -0.0107143 |
| 29 | -0.00986 |
| 30 | -0.0096 |
| 31 | -0.009375 |
| 32 | -0.00833333 |
| 33 | -0.00833333 |
| 34 | -0.00821667 |
| 35 | -0.0075 |
| 36 | -0.0072 |
| 37 | -0.00704286 |
| 38 | -0.00681818 |
| 39 | -0.006425 |
| 40 | -0.0064 |
| 41 | -0.00625 |
| 42 | -0.0061625 |
| 43 | -0.006 |
| 44 | -0.00576 |

| | |
|---|---|
| 45 | -0.00535714 |
| 46 | -0.00505 |
| 47 | -0.005 |
| 48 | -0.005 |
| 49 | -0.00493 |
| 50 | -0.0046875 |
| 51 | -0.00448182 |
| 52 | -0.00428571 |
| 53 | -0.00410833 |
| 54 | -0.003775 |
| 55 | -0.00375 |
| 56 | -0.00333333 |
| 57 | -0.00302 |
| 58 | -0.003 |
| 59 | -0.0029 |
| 60 | -0.00251667 |
| 61 | -0.0025 |
| 62 | -0.0025 |
| 63 | -0.00230769 |
| 64 | -0.00215714 |
| 65 | -0.00214286 |
| 66 | -0.0018875 |
| 67 | -0.00167778 |
| 68 | -0.00166667 |
| 69 | -0.00153333 |
| 70 | -0.00137273 |
| 71 | -0.00131429 |
| 72 | -0.00125833 |
| 73 | -0.00125 |
| 74 | -0.00116154 |
| 75 | -0.00115 |
| 76 | -0.00105 |
| 77 | -0.00102222 |
| 78 | -0.001 |
| 79 | -0.00092 |
| 80 | -0.000836364 |
| 81 | -0.000833333 |
| 82 | -0.000714286 |
| 83 | -0.000707692 |
| 84 | -0.000657143 |
| 85 | -0.000613333 |
| 86 | -0.000555556 |
| 87 | -0.0005 |
| 88 | -0.000454545 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 0 |
| 101 | 0 |

| | |
|---|---|
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0 |
| 109 | 0 |
| 110 | 0 |
| 111 | 0 |
| 112 | 0 |
| 113 | 0 |
| 114 | 0 |
| 115 | 0 |
| 116 | 0 |
| 117 | 0 |
| 118 | 0 |
| 119 | 0 |
| 120 | 0 |
| 121 | 0 |
| 122 | 0 |
| 123 | 0 |
| 124 | 0 |
| 125 | 0.00295 |
| 126 | 0.00358824 |
| 127 | 0.0038125 |
| 128 | 0.00406667 |
| 129 | 0.00415 |
| 130 | 0.00469231 |
| 131 | 0.00508333 |
| 132 | 0.00554545 |
| 133 | 0.0061 |
| 134 | 0.00677778 |
| 135 | 0.0069 |
| 136 | 0.007625 |
| 137 | 0.00965 |
| 138 | 0.00968 |
| 139 | 0.011 |
| 140 | 0.0133667 |
| 141 | 0.0141667 |
| 142 | 0.0169429 |
| 143 | 0.019025 |
| 144 | 0.0208 |
| 145 | 0.02206 |
| 146 | 0.0303333 |
| 147 | 0.0342 |
| 148 | 0.0351 |
| 149 | 0.0526 |
| 150 | 0.11 |
| 151 | 0.136 |
| 152 | 0.165 |
| 153 | 0.33 |

Sen's Estimator (Median Q) is -0.00102222

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 9 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 1656
B = 0
C = 504
D = 0
E = 72
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 605
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 40.458
M1 = (153 - 40.458)/2.0 = 56.271
M2 = (153 + 40.458)/2.0 + 1 = 97.729
Lower limit is -0.00333333 = Q(56)
Upper limit is 0 = Q(98)
-0.00333333 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 7
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.27 (3/18/2021) | ND<0.1 U (12/17/2020) | (0.27 - 0.1)/(2 - 1) | 0.17 |
| 0.244 (5/5/2021) | ND<0.1 U (12/17/2020) | (0.244 - 0.1)/(3 - 1) | 0.072 |
| 0.275 (9/2/2021) | ND<0.1 U (12/17/2020) | (0.275 - 0.1)/(4 - 1) | 0.0583333 |
| 0.516 (11/23/2021) | ND<0.1 U (12/17/2020) | (0.516 - 0.1)/(5 - 1) | 0.104 |
| 0.211 (1/10/2022) | ND<0.1 U (12/17/2020) | (0.211 - 0.1)/(6 - 1) | 0.0222 |
| 0.264 (4/7/2022) | ND<0.1 U (12/17/2020) | (0.264 - 0.1)/(7 - 1) | 0.0273333 |
| 0.373 (8/3/2022) | ND<0.1 U (12/17/2020) | (0.373 - 0.1)/(8 - 1) | 0.039 |
| 0.528 (11/16/2022) | ND<0.1 U (12/17/2020) | (0.528 - 0.1)/(9 - 1) | 0.0535 |
| 0.115 (2/13/2023) | ND<0.1 U (12/17/2020) | (0.115 - 0.1)/(10 - 1) | 0.00166667 |
| 0.206 (5/24/2023) | ND<0.1 U (12/17/2020) | (0.206 - 0.1)/(11 - 1) | 0.0106 |
| 0.469 (8/7/2023) | ND<0.1 U (12/17/2020) | (0.469 - 0.1)/(12 - 1) | 0.0335455 |
| 0.748 (12/12/2023) | ND<0.1 U (12/17/2020) | (0.748 - 0.1)/(13 - 1) | 0.054 |
| 0.47 (1/10/2024) | ND<0.1 U (12/17/2020) | (0.47 - 0.1)/(14 - 1) | 0.0284615 |
| 0.206 (5/20/2024) | ND<0.1 U (12/17/2020) | (0.206 - 0.1)/(15 - 1) | 0.00757143 |
| 0.678 (9/16/2024) | ND<0.1 U (12/17/2020) | (0.678 - 0.1)/(16 - 1) | 0.0385333 |
| 0.538 (12/11/2024) | ND<0.1 U (12/17/2020) | (0.538 - 0.1)/(17 - 1) | 0.027375 |
| 0.252 (2/18/2025) | ND<0.1 U (12/17/2020) | (0.252 - 0.1)/(18 - 1) | 0.00894118 |
| | | | |
| 0.244 (5/5/2021) | 0.27 (3/18/2021) | (0.244 - 0.27)/(3 - 2) | -0.026 |
| 0.275 (9/2/2021) | 0.27 (3/18/2021) | (0.275 - 0.27)/(4 - 2) | 0.0025 |
| 0.516 (11/23/2021) | 0.27 (3/18/2021) | (0.516 - 0.27)/(5 - 2) | 0.082 |
| 0.211 (1/10/2022) | 0.27 (3/18/2021) | (0.211 - 0.27)/(6 - 2) | -0.01475 |
| 0.264 (4/7/2022) | 0.27 (3/18/2021) | (0.264 - 0.27)/(7 - 2) | -0.0012 |
| 0.373 (8/3/2022) | 0.27 (3/18/2021) | (0.373 - 0.27)/(8 - 2) | 0.0171667 |
| 0.528 (11/16/2022) | 0.27 (3/18/2021) | (0.528 - 0.27)/(9 - 2) | 0.0368571 |
| 0.115 (2/13/2023) | 0.27 (3/18/2021) | (0.115 - 0.27)/(10 - 2) | -0.019375 |
| 0.206 (5/24/2023) | 0.27 (3/18/2021) | (0.206 - 0.27)/(11 - 2) | -0.00711111 |
| 0.469 (8/7/2023) | 0.27 (3/18/2021) | (0.469 - 0.27)/(12 - 2) | 0.0199 |
| 0.748 (12/12/2023) | 0.27 (3/18/2021) | (0.748 - 0.27)/(13 - 2) | 0.0434545 |
| 0.47 (1/10/2024) | 0.27 (3/18/2021) | (0.47 - 0.27)/(14 - 2) | 0.0166667 |
| 0.206 (5/20/2024) | 0.27 (3/18/2021) | (0.206 - 0.27)/(15 - 2) | -0.00492308 |
| 0.678 (9/16/2024) | 0.27 (3/18/2021) | (0.678 - 0.27)/(16 - 2) | 0.0291429 |
| 0.538 (12/11/2024) | 0.27 (3/18/2021) | (0.538 - 0.27)/(17 - 2) | 0.0178667 |
| 0.252 (2/18/2025) | 0.27 (3/18/2021) | (0.252 - 0.27)/(18 - 2) | -0.001125 |
| | | | |
| 0.275 (9/2/2021) | 0.244 (5/5/2021) | (0.275 - 0.244)/(4 - 3) | 0.031 |
| 0.516 (11/23/2021) | 0.244 (5/5/2021) | (0.516 - 0.244)/(5 - 3) | 0.136 |
| 0.211 (1/10/2022) | 0.244 (5/5/2021) | (0.211 - 0.244)/(6 - 3) | -0.011 |
| 0.264 (4/7/2022) | 0.244 (5/5/2021) | (0.264 - 0.244)/(7 - 3) | 0.005 |
| 0.373 (8/3/2022) | 0.244 (5/5/2021) | (0.373 - 0.244)/(8 - 3) | 0.0258 |
| 0.528 (11/16/2022) | 0.244 (5/5/2021) | (0.528 - 0.244)/(9 - 3) | 0.0473333 |
| 0.115 (2/13/2023) | 0.244 (5/5/2021) | (0.115 - 0.244)/(10 - 3) | -0.0184286 |
| 0.206 (5/24/2023) | 0.244 (5/5/2021) | (0.206 - 0.244)/(11 - 3) | -0.00475 |
| 0.469 (8/7/2023) | 0.244 (5/5/2021) | (0.469 - 0.244)/(12 - 3) | 0.025 |
| 0.748 (12/12/2023) | 0.244 (5/5/2021) | (0.748 - 0.244)/(13 - 3) | 0.0504 |
| 0.47 (1/10/2024) | 0.244 (5/5/2021) | (0.47 - 0.244)/(14 - 3) | 0.0205455 |
| 0.206 (5/20/2024) | 0.244 (5/5/2021) | (0.206 - 0.244)/(15 - 3) | -0.00316667 |
| 0.678 (9/16/2024) | 0.244 (5/5/2021) | (0.678 - 0.244)/(16 - 3) | 0.0333846 |

| | | | |
|---|---|---|---|
| 0.538 (12/11/2024) | 0.244 (5/5/2021) | (0.538 - 0.244)/(17 - 3) | 0.021 |
| 0.252 (2/18/2025) | 0.244 (5/5/2021) | (0.252 - 0.244)/(18 - 3) | 0.000533333 |
| | | | |
| 0.516 (11/23/2021) | 0.275 (9/2/2021) | (0.516 - 0.275)/(5 - 4) | 0.241 |
| 0.211 (1/10/2022) | 0.275 (9/2/2021) | (0.211 - 0.275)/(6 - 4) | -0.032 |
| 0.264 (4/7/2022) | 0.275 (9/2/2021) | (0.264 - 0.275)/(7 - 4) | -0.00366667 |
| 0.373 (8/3/2022) | 0.275 (9/2/2021) | (0.373 - 0.275)/(8 - 4) | 0.0245 |
| 0.528 (11/16/2022) | 0.275 (9/2/2021) | (0.528 - 0.275)/(9 - 4) | 0.0506 |
| 0.115 (2/13/2023) | 0.275 (9/2/2021) | (0.115 - 0.275)/(10 - 4) | -0.0266667 |
| 0.206 (5/24/2023) | 0.275 (9/2/2021) | (0.206 - 0.275)/(11 - 4) | -0.00985714 |
| 0.469 (8/7/2023) | 0.275 (9/2/2021) | (0.469 - 0.275)/(12 - 4) | 0.02425 |
| 0.748 (12/12/2023) | 0.275 (9/2/2021) | (0.748 - 0.275)/(13 - 4) | 0.0525556 |
| 0.47 (1/10/2024) | 0.275 (9/2/2021) | (0.47 - 0.275)/(14 - 4) | 0.0195 |
| 0.206 (5/20/2024) | 0.275 (9/2/2021) | (0.206 - 0.275)/(15 - 4) | -0.00627273 |
| 0.678 (9/16/2024) | 0.275 (9/2/2021) | (0.678 - 0.275)/(16 - 4) | 0.0335833 |
| 0.538 (12/11/2024) | 0.275 (9/2/2021) | (0.538 - 0.275)/(17 - 4) | 0.0202308 |
| 0.252 (2/18/2025) | 0.275 (9/2/2021) | (0.252 - 0.275)/(18 - 4) | -0.00164286 |
| | | | |
| 0.211 (1/10/2022) | 0.516 (11/23/2021) | (0.211 - 0.516)/(6 - 5) | -0.305 |
| 0.264 (4/7/2022) | 0.516 (11/23/2021) | (0.264 - 0.516)/(7 - 5) | -0.126 |
| 0.373 (8/3/2022) | 0.516 (11/23/2021) | (0.373 - 0.516)/(8 - 5) | -0.0476667 |
| 0.528 (11/16/2022) | 0.516 (11/23/2021) | (0.528 - 0.516)/(9 - 5) | 0.003 |
| 0.115 (2/13/2023) | 0.516 (11/23/2021) | (0.115 - 0.516)/(10 - 5) | -0.0802 |
| 0.206 (5/24/2023) | 0.516 (11/23/2021) | (0.206 - 0.516)/(11 - 5) | -0.0516667 |
| 0.469 (8/7/2023) | 0.516 (11/23/2021) | (0.469 - 0.516)/(12 - 5) | -0.00671429 |
| 0.748 (12/12/2023) | 0.516 (11/23/2021) | (0.748 - 0.516)/(13 - 5) | 0.029 |
| 0.47 (1/10/2024) | 0.516 (11/23/2021) | (0.47 - 0.516)/(14 - 5) | -0.00511111 |
| 0.206 (5/20/2024) | 0.516 (11/23/2021) | (0.206 - 0.516)/(15 - 5) | -0.031 |
| 0.678 (9/16/2024) | 0.516 (11/23/2021) | (0.678 - 0.516)/(16 - 5) | 0.0147273 |
| 0.538 (12/11/2024) | 0.516 (11/23/2021) | (0.538 - 0.516)/(17 - 5) | 0.00183333 |
| 0.252 (2/18/2025) | 0.516 (11/23/2021) | (0.252 - 0.516)/(18 - 5) | -0.0203077 |
| | | | |
| 0.264 (4/7/2022) | 0.211 (1/10/2022) | (0.264 - 0.211)/(7 - 6) | 0.053 |
| 0.373 (8/3/2022) | 0.211 (1/10/2022) | (0.373 - 0.211)/(8 - 6) | 0.081 |
| 0.528 (11/16/2022) | 0.211 (1/10/2022) | (0.528 - 0.211)/(9 - 6) | 0.105667 |
| 0.115 (2/13/2023) | 0.211 (1/10/2022) | (0.115 - 0.211)/(10 - 6) | -0.024 |
| 0.206 (5/24/2023) | 0.211 (1/10/2022) | (0.206 - 0.211)/(11 - 6) | -0.001 |
| 0.469 (8/7/2023) | 0.211 (1/10/2022) | (0.469 - 0.211)/(12 - 6) | 0.043 |
| 0.748 (12/12/2023) | 0.211 (1/10/2022) | (0.748 - 0.211)/(13 - 6) | 0.0767143 |
| 0.47 (1/10/2024) | 0.211 (1/10/2022) | (0.47 - 0.211)/(14 - 6) | 0.032375 |
| 0.206 (5/20/2024) | 0.211 (1/10/2022) | (0.206 - 0.211)/(15 - 6) | -0.000555556 |
| 0.678 (9/16/2024) | 0.211 (1/10/2022) | (0.678 - 0.211)/(16 - 6) | 0.0467 |
| 0.538 (12/11/2024) | 0.211 (1/10/2022) | (0.538 - 0.211)/(17 - 6) | 0.0297273 |
| 0.252 (2/18/2025) | 0.211 (1/10/2022) | (0.252 - 0.211)/(18 - 6) | 0.00341667 |
| | | | |
| 0.373 (8/3/2022) | 0.264 (4/7/2022) | (0.373 - 0.264)/(8 - 7) | 0.109 |
| 0.528 (11/16/2022) | 0.264 (4/7/2022) | (0.528 - 0.264)/(9 - 7) | 0.132 |
| 0.115 (2/13/2023) | 0.264 (4/7/2022) | (0.115 - 0.264)/(10 - 7) | -0.0496667 |
| 0.206 (5/24/2023) | 0.264 (4/7/2022) | (0.206 - 0.264)/(11 - 7) | -0.0145 |
| 0.469 (8/7/2023) | 0.264 (4/7/2022) | (0.469 - 0.264)/(12 - 7) | 0.041 |
| 0.748 (12/12/2023) | 0.264 (4/7/2022) | (0.748 - 0.264)/(13 - 7) | 0.0806667 |
| 0.47 (1/10/2024) | 0.264 (4/7/2022) | (0.47 - 0.264)/(14 - 7) | 0.0294286 |
| 0.206 (5/20/2024) | 0.264 (4/7/2022) | (0.206 - 0.264)/(15 - 7) | -0.00725 |
| 0.678 (9/16/2024) | 0.264 (4/7/2022) | (0.678 - 0.264)/(16 - 7) | 0.046 |
| 0.538 (12/11/2024) | 0.264 (4/7/2022) | (0.538 - 0.264)/(17 - 7) | 0.0274 |
| 0.252 (2/18/2025) | 0.264 (4/7/2022) | (0.252 - 0.264)/(18 - 7) | -0.00109091 |

| | | | |
|---|---|---|---|
| 0.528 (11/16/2022) | 0.373 (8/3/2022) | (0.528 - 0.373)/(9 - 8) | 0.155 |
| 0.115 (2/13/2023) | 0.373 (8/3/2022) | (0.115 - 0.373)/(10 - 8) | -0.129 |
| 0.206 (5/24/2023) | 0.373 (8/3/2022) | (0.206 - 0.373)/(11 - 8) | -0.0556667 |
| 0.469 (8/7/2023) | 0.373 (8/3/2022) | (0.469 - 0.373)/(12 - 8) | 0.024 |
| 0.748 (12/12/2023) | 0.373 (8/3/2022) | (0.748 - 0.373)/(13 - 8) | 0.075 |
| 0.47 (1/10/2024) | 0.373 (8/3/2022) | (0.47 - 0.373)/(14 - 8) | 0.0161667 |
| 0.206 (5/20/2024) | 0.373 (8/3/2022) | (0.206 - 0.373)/(15 - 8) | -0.0238571 |
| 0.678 (9/16/2024) | 0.373 (8/3/2022) | (0.678 - 0.373)/(16 - 8) | 0.038125 |
| 0.538 (12/11/2024) | 0.373 (8/3/2022) | (0.538 - 0.373)/(17 - 8) | 0.0183333 |
| 0.252 (2/18/2025) | 0.373 (8/3/2022) | (0.252 - 0.373)/(18 - 8) | -0.0121 |
| | | | |
| 0.115 (2/13/2023) | 0.528 (11/16/2022) | (0.115 - 0.528)/(10 - 9) | -0.413 |
| 0.206 (5/24/2023) | 0.528 (11/16/2022) | (0.206 - 0.528)/(11 - 9) | -0.161 |
| 0.469 (8/7/2023) | 0.528 (11/16/2022) | (0.469 - 0.528)/(12 - 9) | -0.0196667 |
| 0.748 (12/12/2023) | 0.528 (11/16/2022) | (0.748 - 0.528)/(13 - 9) | 0.055 |
| 0.47 (1/10/2024) | 0.528 (11/16/2022) | (0.47 - 0.528)/(14 - 9) | -0.0116 |
| 0.206 (5/20/2024) | 0.528 (11/16/2022) | (0.206 - 0.528)/(15 - 9) | -0.0536667 |
| 0.678 (9/16/2024) | 0.528 (11/16/2022) | (0.678 - 0.528)/(16 - 9) | 0.0214286 |
| 0.538 (12/11/2024) | 0.528 (11/16/2022) | (0.538 - 0.528)/(17 - 9) | 0.00125 |
| 0.252 (2/18/2025) | 0.528 (11/16/2022) | (0.252 - 0.528)/(18 - 9) | -0.0306667 |
| | | | |
| 0.206 (5/24/2023) | 0.115 (2/13/2023) | (0.206 - 0.115)/(11 - 10) | 0.091 |
| 0.469 (8/7/2023) | 0.115 (2/13/2023) | (0.469 - 0.115)/(12 - 10) | 0.177 |
| 0.748 (12/12/2023) | 0.115 (2/13/2023) | (0.748 - 0.115)/(13 - 10) | 0.211 |
| 0.47 (1/10/2024) | 0.115 (2/13/2023) | (0.47 - 0.115)/(14 - 10) | 0.08875 |
| 0.206 (5/20/2024) | 0.115 (2/13/2023) | (0.206 - 0.115)/(15 - 10) | 0.0182 |
| 0.678 (9/16/2024) | 0.115 (2/13/2023) | (0.678 - 0.115)/(16 - 10) | 0.0938333 |
| 0.538 (12/11/2024) | 0.115 (2/13/2023) | (0.538 - 0.115)/(17 - 10) | 0.0604286 |
| 0.252 (2/18/2025) | 0.115 (2/13/2023) | (0.252 - 0.115)/(18 - 10) | 0.017125 |
| | | | |
| 0.469 (8/7/2023) | 0.206 (5/24/2023) | (0.469 - 0.206)/(12 - 11) | 0.263 |
| 0.748 (12/12/2023) | 0.206 (5/24/2023) | (0.748 - 0.206)/(13 - 11) | 0.271 |
| 0.47 (1/10/2024) | 0.206 (5/24/2023) | (0.47 - 0.206)/(14 - 11) | 0.088 |
| 0.206 (5/20/2024) | 0.206 (5/24/2023) | (0.206 - 0.206)/(15 - 11) | 0 |
| 0.678 (9/16/2024) | 0.206 (5/24/2023) | (0.678 - 0.206)/(16 - 11) | 0.0944 |
| 0.538 (12/11/2024) | 0.206 (5/24/2023) | (0.538 - 0.206)/(17 - 11) | 0.0553333 |
| 0.252 (2/18/2025) | 0.206 (5/24/2023) | (0.252 - 0.206)/(18 - 11) | 0.00657143 |
| | | | |
| 0.748 (12/12/2023) | 0.469 (8/7/2023) | (0.748 - 0.469)/(13 - 12) | 0.279 |
| 0.47 (1/10/2024) | 0.469 (8/7/2023) | (0.47 - 0.469)/(14 - 12) | 0.0005 |
| 0.206 (5/20/2024) | 0.469 (8/7/2023) | (0.206 - 0.469)/(15 - 12) | -0.0876667 |
| 0.678 (9/16/2024) | 0.469 (8/7/2023) | (0.678 - 0.469)/(16 - 12) | 0.05225 |
| 0.538 (12/11/2024) | 0.469 (8/7/2023) | (0.538 - 0.469)/(17 - 12) | 0.0138 |
| 0.252 (2/18/2025) | 0.469 (8/7/2023) | (0.252 - 0.469)/(18 - 12) | -0.0361667 |
| | | | |
| 0.47 (1/10/2024) | 0.748 (12/12/2023) | (0.47 - 0.748)/(14 - 13) | -0.278 |
| 0.206 (5/20/2024) | 0.748 (12/12/2023) | (0.206 - 0.748)/(15 - 13) | -0.271 |
| 0.678 (9/16/2024) | 0.748 (12/12/2023) | (0.678 - 0.748)/(16 - 13) | -0.0233333 |
| 0.538 (12/11/2024) | 0.748 (12/12/2023) | (0.538 - 0.748)/(17 - 13) | -0.0525 |
| 0.252 (2/18/2025) | 0.748 (12/12/2023) | (0.252 - 0.748)/(18 - 13) | -0.0992 |
| | | | |
| 0.206 (5/20/2024) | 0.47 (1/10/2024) | (0.206 - 0.47)/(15 - 14) | -0.264 |
| 0.678 (9/16/2024) | 0.47 (1/10/2024) | (0.678 - 0.47)/(16 - 14) | 0.104 |
| 0.538 (12/11/2024) | 0.47 (1/10/2024) | (0.538 - 0.47)/(17 - 14) | 0.0226667 |
| 0.252 (2/18/2025) | 0.47 (1/10/2024) | (0.252 - 0.47)/(18 - 14) | -0.0545 |
| | | | |
| 0.678 (9/16/2024) | 0.206 (5/20/2024) | (0.678 - 0.206)/(16 - 15) | 0.472 |

| | | | |
|---|---|---|---|
| 0.538 (12/11/2024) | 0.206 (5/20/2024) | (0.538 - 0.206)/(17 - 15) | 0.166 |
| 0.252 (2/18/2025) | 0.206 (5/20/2024) | (0.252 - 0.206)/(18 - 15) | 0.0153333 |
| 0.538 (12/11/2024) | 0.678 (9/16/2024) | (0.538 - 0.678)/(17 - 16) | -0.14 |
| 0.252 (2/18/2025) | 0.678 (9/16/2024) | (0.252 - 0.678)/(18 - 16) | -0.213 |
| 0.252 (2/18/2025) | 0.538 (12/11/2024) | (0.252 - 0.538)/(18 - 17) | -0.286 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.413 |
| 2 | -0.305 |
| 3 | -0.286 |
| 4 | -0.278 |
| 5 | -0.271 |
| 6 | -0.264 |
| 7 | -0.213 |
| 8 | -0.161 |
| 9 | -0.14 |
| 10 | -0.129 |
| 11 | -0.126 |
| 12 | -0.0992 |
| 13 | -0.0876667 |
| 14 | -0.0802 |
| 15 | -0.0556667 |
| 16 | -0.0545 |
| 17 | -0.0536667 |
| 18 | -0.0525 |
| 19 | -0.0516667 |
| 20 | -0.0496667 |
| 21 | -0.0476667 |
| 22 | -0.0361667 |
| 23 | -0.032 |
| 24 | -0.031 |
| 25 | -0.0306667 |
| 26 | -0.0266667 |
| 27 | -0.026 |
| 28 | -0.024 |
| 29 | -0.0238571 |
| 30 | -0.0233333 |
| 31 | -0.0203077 |
| 32 | -0.0196667 |
| 33 | -0.019375 |
| 34 | -0.0184286 |
| 35 | -0.01475 |
| 36 | -0.0145 |
| 37 | -0.0121 |
| 38 | -0.0116 |
| 39 | -0.011 |
| 40 | -0.00985714 |
| 41 | -0.00725 |
| 42 | -0.00711111 |
| 43 | -0.00671429 |
| 44 | -0.00627273 |

| | |
|---|---|
| 45 | -0.00511111 |
| 46 | -0.00492308 |
| 47 | -0.00475 |
| 48 | -0.00366667 |
| 49 | -0.00316667 |
| 50 | -0.00164286 |
| 51 | -0.0012 |
| 52 | -0.001125 |
| 53 | -0.00109091 |
| 54 | -0.001 |
| 55 | -0.000555556 |
| 56 | 0 |
| 57 | 0.0005 |
| 58 | 0.000533333 |
| 59 | 0.00125 |
| 60 | 0.00166667 |
| 61 | 0.00183333 |
| 62 | 0.0025 |
| 63 | 0.003 |
| 64 | 0.00341667 |
| 65 | 0.005 |
| 66 | 0.00657143 |
| 67 | 0.00757143 |
| 68 | 0.00894118 |
| 69 | 0.0106 |
| 70 | 0.0138 |
| 71 | 0.0147273 |
| 72 | 0.0153333 |
| 73 | 0.0161667 |
| 74 | 0.0166667 |
| 75 | 0.017125 |
| 76 | 0.0171667 |
| 77 | 0.0178667 |
| 78 | 0.0182 |
| 79 | 0.0183333 |
| 80 | 0.0195 |
| 81 | 0.0199 |
| 82 | 0.0202308 |
| 83 | 0.0205455 |
| 84 | 0.021 |
| 85 | 0.0214286 |
| 86 | 0.0222 |
| 87 | 0.0226667 |
| 88 | 0.024 |
| 89 | 0.02425 |
| 90 | 0.0245 |
| 91 | 0.025 |
| 92 | 0.0258 |
| 93 | 0.0273333 |
| 94 | 0.027375 |
| 95 | 0.0274 |
| 96 | 0.0284615 |
| 97 | 0.029 |
| 98 | 0.0291429 |
| 99 | 0.0294286 |
| 100 | 0.0297273 |
| 101 | 0.031 |

| | |
|---|---|
| 102 | 0.032375 |
| 103 | 0.0333846 |
| 104 | 0.0335455 |
| 105 | 0.0335833 |
| 106 | 0.0368571 |
| 107 | 0.038125 |
| 108 | 0.0385333 |
| 109 | 0.039 |
| 110 | 0.041 |
| 111 | 0.043 |
| 112 | 0.0434545 |
| 113 | 0.046 |
| 114 | 0.0467 |
| 115 | 0.0473333 |
| 116 | 0.0504 |
| 117 | 0.0506 |
| 118 | 0.05225 |
| 119 | 0.0525556 |
| 120 | 0.053 |
| 121 | 0.0535 |
| 122 | 0.054 |
| 123 | 0.055 |
| 124 | 0.0553333 |
| 125 | 0.0583333 |
| 126 | 0.0604286 |
| 127 | 0.072 |
| 128 | 0.075 |
| 129 | 0.0767143 |
| 130 | 0.0806667 |
| 131 | 0.081 |
| 132 | 0.082 |
| 133 | 0.088 |
| 134 | 0.08875 |
| 135 | 0.091 |
| 136 | 0.0938333 |
| 137 | 0.0944 |
| 138 | 0.104 |
| 139 | 0.104 |
| 140 | 0.105667 |
| 141 | 0.109 |
| 142 | 0.132 |
| 143 | 0.136 |
| 144 | 0.155 |
| 145 | 0.166 |
| 146 | 0.17 |
| 147 | 0.177 |
| 148 | 0.211 |
| 149 | 0.241 |
| 150 | 0.263 |
| 151 | 0.271 |
| 152 | 0.279 |
| 153 | 0.472 |

Sen's Estimator (Median Q) is 0.0178667

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.206 | 2 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 696
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.3942
M1 = (153 - 43.3942)/2.0 = 54.8029
M2 = (153 + 43.3942)/2.0 + 1 = 99.1971
Lower limit is -0.000555556 = Q(55)
Upper limit is 0.0294286 = Q(99)
-0.000555556 < 0 < 0.0294286 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 10
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (8/3/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(2 - 1) | 0 |
| ND<0.1 U (11/16/2022) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(3 - 1) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (4/7/2022) | (0.1 - 0.1)/(4 - 1) | 0 |
| 0.0371 (5/24/2023) | ND<0.1 U (4/7/2022) | (0.0371 - 0.1)/(5 - 1) | -0.015725 |
| 0.0918 (8/7/2023) | ND<0.1 U (4/7/2022) | (0.0918 - 0.1)/(6 - 1) | -0.00164 |
| 0.0471 (12/12/2023) | ND<0.1 U (4/7/2022) | (0.0471 - 0.1)/(7 - 1) | -0.00881667 |
| ND<0.035 U (1/10/2024) | ND<0.1 U (4/7/2022) | (0.035 - 0.1)/(8 - 1) | -0.00928571 |
| 0.112 (5/20/2024) | ND<0.1 U (4/7/2022) | (0.112 - 0.1)/(9 - 1) | 0.0015 |
| 0.106 (9/16/2024) | ND<0.1 U (4/7/2022) | (0.106 - 0.1)/(10 - 1) | 0.000666667 |
| 0.059 (12/11/2024) | ND<0.1 U (4/7/2022) | (0.059 - 0.1)/(11 - 1) | -0.0041 |
| ND<0.0642 U (2/18/2025) | ND<0.1 U (4/7/2022) | (0.0642 - 0.1)/(12 - 1) | -0.00325455 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(4 - 2) | 0 |
| 0.0371 (5/24/2023) | ND<0.1 U (8/3/2022) | (0.0371 - 0.1)/(5 - 2) | -0.0209667 |
| 0.0918 (8/7/2023) | ND<0.1 U (8/3/2022) | (0.0918 - 0.1)/(6 - 2) | -0.00205 |
| 0.0471 (12/12/2023) | ND<0.1 U (8/3/2022) | (0.0471 - 0.1)/(7 - 2) | -0.01058 |
| ND<0.035 U (1/10/2024) | ND<0.1 U (8/3/2022) | (0.035 - 0.1)/(8 - 2) | -0.0108333 |
| 0.112 (5/20/2024) | ND<0.1 U (8/3/2022) | (0.112 - 0.1)/(9 - 2) | 0.00171429 |
| 0.106 (9/16/2024) | ND<0.1 U (8/3/2022) | (0.106 - 0.1)/(10 - 2) | 0.00075 |
| 0.059 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.059 - 0.1)/(11 - 2) | -0.00455556 |
| ND<0.0642 U (2/18/2025) | ND<0.1 U (8/3/2022) | (0.0642 - 0.1)/(12 - 2) | -0.00358 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(4 - 3) | 0 |
| 0.0371 (5/24/2023) | ND<0.1 U (11/16/2022) | (0.0371 - 0.1)/(5 - 3) | -0.03145 |
| 0.0918 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0918 - 0.1)/(6 - 3) | -0.00273333 |
| 0.0471 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0471 - 0.1)/(7 - 3) | -0.013225 |
| ND<0.035 U (1/10/2024) | ND<0.1 U (11/16/2022) | (0.035 - 0.1)/(8 - 3) | -0.013 |
| 0.112 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.112 - 0.1)/(9 - 3) | 0.002 |
| 0.106 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.106 - 0.1)/(10 - 3) | 0.000857143 |
| 0.059 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.059 - 0.1)/(11 - 3) | -0.005125 |
| ND<0.0642 U (2/18/2025) | ND<0.1 U (11/16/2022) | (0.0642 - 0.1)/(12 - 3) | -0.00397778 |
| | | | |
| 0.0371 (5/24/2023) | ND<0.1 U (2/13/2023) | (0.0371 - 0.1)/(5 - 4) | -0.0629 |
| 0.0918 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.0918 - 0.1)/(6 - 4) | -0.0041 |
| 0.0471 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.0471 - 0.1)/(7 - 4) | -0.0176333 |
| ND<0.035 U (1/10/2024) | ND<0.1 U (2/13/2023) | (0.035 - 0.1)/(8 - 4) | -0.01625 |
| 0.112 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.112 - 0.1)/(9 - 4) | 0.0024 |
| 0.106 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.106 - 0.1)/(10 - 4) | 0.001 |
| 0.059 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.059 - 0.1)/(11 - 4) | -0.00585714 |
| ND<0.0642 U (2/18/2025) | ND<0.1 U (2/13/2023) | (0.0642 - 0.1)/(12 - 4) | -0.004475 |
| | | | |
| 0.0918 (8/7/2023) | 0.0371 (5/24/2023) | (0.0918 - 0.0371)/(6 - 5) | 0.0547 |
| 0.0471 (12/12/2023) | 0.0371 (5/24/2023) | (0.0471 - 0.0371)/(7 - 5) | 0.005 |
| ND<0.035 U (1/10/2024) | 0.0371 (5/24/2023) | (0.035 - 0.0371)/(8 - 5) | -0.0007 |
| 0.112 (5/20/2024) | 0.0371 (5/24/2023) | (0.112 - 0.0371)/(9 - 5) | 0.018725 |
| 0.106 (9/16/2024) | 0.0371 (5/24/2023) | (0.106 - 0.0371)/(10 - 5) | 0.01378 |
| 0.059 (12/11/2024) | 0.0371 (5/24/2023) | (0.059 - 0.0371)/(11 - 5) | 0.00365 |

| | | | |
|---|---|---|---|
| ND<0.0642 U (2/18/2025) | 0.0371 (5/24/2023) | (0.0642 - 0.0371)/(12 - 5) | 0.00387143 |
| 0.0471 (12/12/2023) | 0.0918 (8/7/2023) | (0.0471 - 0.0918)/(7 - 6) | -0.0447 |
| ND<0.035 U (1/10/2024) | 0.0918 (8/7/2023) | (0.035 - 0.0918)/(8 - 6) | -0.0284 |
| 0.112 (5/20/2024) | 0.0918 (8/7/2023) | (0.112 - 0.0918)/(9 - 6) | 0.00673333 |
| 0.106 (9/16/2024) | 0.0918 (8/7/2023) | (0.106 - 0.0918)/(10 - 6) | 0.00355 |
| 0.059 (12/11/2024) | 0.0918 (8/7/2023) | (0.059 - 0.0918)/(11 - 6) | -0.00656 |
| ND<0.0642 U (2/18/2025) | 0.0918 (8/7/2023) | (0.0642 - 0.0918)/(12 - 6) | -0.0046 |
| ND<0.035 U (1/10/2024) | 0.0471 (12/12/2023) | (0.035 - 0.0471)/(8 - 7) | -0.0121 |
| 0.112 (5/20/2024) | 0.0471 (12/12/2023) | (0.112 - 0.0471)/(9 - 7) | 0.03245 |
| 0.106 (9/16/2024) | 0.0471 (12/12/2023) | (0.106 - 0.0471)/(10 - 7) | 0.0196333 |
| 0.059 (12/11/2024) | 0.0471 (12/12/2023) | (0.059 - 0.0471)/(11 - 7) | 0.002975 |
| ND<0.0642 U (2/18/2025) | 0.0471 (12/12/2023) | (0.0642 - 0.0471)/(12 - 7) | 0.00342 |
| 0.112 (5/20/2024) | ND<0.035 U (1/10/2024) | (0.112 - 0.035)/(9 - 8) | 0.077 |
| 0.106 (9/16/2024) | ND<0.035 U (1/10/2024) | (0.106 - 0.035)/(10 - 8) | 0.0355 |
| 0.059 (12/11/2024) | ND<0.035 U (1/10/2024) | (0.059 - 0.035)/(11 - 8) | 0.008 |
| ND<0.0642 U (2/18/2025) | ND<0.035 U (1/10/2024) | (0.0642 - 0.035)/(12 - 8) | 0.0073 |
| 0.106 (9/16/2024) | 0.112 (5/20/2024) | (0.106 - 0.112)/(10 - 9) | -0.006 |
| 0.059 (12/11/2024) | 0.112 (5/20/2024) | (0.059 - 0.112)/(11 - 9) | -0.0265 |
| ND<0.0642 U (2/18/2025) | 0.112 (5/20/2024) | (0.0642 - 0.112)/(12 - 9) | -0.0159333 |
| 0.059 (12/11/2024) | 0.106 (9/16/2024) | (0.059 - 0.106)/(11 - 10) | -0.047 |
| ND<0.0642 U (2/18/2025) | 0.106 (9/16/2024) | (0.0642 - 0.106)/(12 - 10) | -0.0209 |
| ND<0.0642 U (2/18/2025) | 0.059 (12/11/2024) | (0.0642 - 0.059)/(12 - 11) | 0.0052 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.0629 |
| 2 | -0.047 |
| 3 | -0.0447 |
| 4 | -0.03145 |
| 5 | -0.0284 |
| 6 | -0.0265 |
| 7 | -0.0209667 |
| 8 | -0.0209 |
| 9 | -0.0176333 |
| 10 | -0.01625 |
| 11 | -0.0159333 |
| 12 | -0.015725 |
| 13 | -0.013225 |
| 14 | -0.013 |
| 15 | -0.0121 |
| 16 | -0.0108333 |
| 17 | -0.01058 |
| 18 | -0.00928571 |
| 19 | -0.00881667 |
| 20 | -0.00656 |
| 21 | -0.006 |
| 22 | -0.00585714 |
| 23 | -0.005125 |

| | |
|---|---|
| 24 | -0.0046 |
| 25 | -0.00455556 |
| 26 | -0.004475 |
| 27 | -0.0041 |
| 28 | -0.0041 |
| 29 | -0.00397778 |
| 30 | -0.00358 |
| 31 | -0.00325455 |
| 32 | -0.00273333 |
| 33 | -0.00205 |
| 34 | -0.00164 |
| 35 | -0.0007 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 0 |
| 42 | 0.000666667 |
| 43 | 0.00075 |
| 44 | 0.000857143 |
| 45 | 0.001 |
| 46 | 0.0015 |
| 47 | 0.00171429 |
| 48 | 0.002 |
| 49 | 0.0024 |
| 50 | 0.002975 |
| 51 | 0.00342 |
| 52 | 0.00355 |
| 53 | 0.00365 |
| 54 | 0.00387143 |
| 55 | 0.005 |
| 56 | 0.0052 |
| 57 | 0.00673333 |
| 58 | 0.0073 |
| 59 | 0.008 |
| 60 | 0.01378 |
| 61 | 0.018725 |
| 62 | 0.0196333 |
| 63 | 0.03245 |
| 64 | 0.0355 |
| 65 | 0.0547 |
| 66 | 0.077 |

Sen's Estimator (Median Q) is -0.001845

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 4 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |

| | |
|---|---|
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 156
B = 0
C = 24
D = 0
E = 12
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 204
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.4932
M1 = (66 - 23.4932)/2.0 = 21.2534
M2 = (66 + 23.4932)/2.0 + 1 = 45.7466
Lower limit is -0.006 = Q(21)
Upper limit is 0.0015 = Q(46)
-0.006 < 0 < 0.0015 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Total Phosphorus
### Location: SME 9
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.1 U (8/3/2022) | 0.135 (4/7/2022) | (0.1 - 0.135)/(2 - 1) | -0.035 |
| ND<0.1 U (11/16/2022) | 0.135 (4/7/2022) | (0.1 - 0.135)/(3 - 1) | -0.0175 |
| ND<0.1 U (2/13/2023) | 0.135 (4/7/2022) | (0.1 - 0.135)/(4 - 1) | -0.0116667 |
| ND<0.035 U (5/24/2023) | 0.135 (4/7/2022) | (0.035 - 0.135)/(5 - 1) | -0.025 |
| 0.0873 (8/7/2023) | 0.135 (4/7/2022) | (0.0873 - 0.135)/(6 - 1) | -0.00954 |
| 0.0188 (12/12/2023) | 0.135 (4/7/2022) | (0.0188 - 0.135)/(7 - 1) | -0.0193667 |
| 0.0388 (1/10/2024) | 0.135 (4/7/2022) | (0.0388 - 0.135)/(8 - 1) | -0.0137429 |
| 0.069 (5/20/2024) | 0.135 (4/7/2022) | (0.069 - 0.135)/(9 - 1) | -0.00825 |
| 0.115 (9/16/2024) | 0.135 (4/7/2022) | (0.115 - 0.135)/(10 - 1) | -0.00222222 |
| 0.022 (12/11/2024) | 0.135 (4/7/2022) | (0.022 - 0.135)/(11 - 1) | -0.0113 |
| 0.0949 (2/18/2025) | 0.135 (4/7/2022) | (0.0949 - 0.135)/(12 - 1) | -0.00364545 |
| | | | |
| ND<0.1 U (11/16/2022) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(3 - 2) | 0 |
| ND<0.1 U (2/13/2023) | ND<0.1 U (8/3/2022) | (0.1 - 0.1)/(4 - 2) | 0 |
| ND<0.035 U (5/24/2023) | ND<0.1 U (8/3/2022) | (0.035 - 0.1)/(5 - 2) | -0.0216667 |
| 0.0873 (8/7/2023) | ND<0.1 U (8/3/2022) | (0.0873 - 0.1)/(6 - 2) | -0.003175 |
| 0.0188 (12/12/2023) | ND<0.1 U (8/3/2022) | (0.0188 - 0.1)/(7 - 2) | -0.01624 |
| 0.0388 (1/10/2024) | ND<0.1 U (8/3/2022) | (0.0388 - 0.1)/(8 - 2) | -0.0102 |
| 0.069 (5/20/2024) | ND<0.1 U (8/3/2022) | (0.069 - 0.1)/(9 - 2) | -0.00442857 |
| 0.115 (9/16/2024) | ND<0.1 U (8/3/2022) | (0.115 - 0.1)/(10 - 2) | 0.001875 |
| 0.022 (12/11/2024) | ND<0.1 U (8/3/2022) | (0.022 - 0.1)/(11 - 2) | -0.00866667 |
| 0.0949 (2/18/2025) | ND<0.1 U (8/3/2022) | (0.0949 - 0.1)/(12 - 2) | -0.00051 |
| | | | |
| ND<0.1 U (2/13/2023) | ND<0.1 U (11/16/2022) | (0.1 - 0.1)/(4 - 3) | 0 |
| ND<0.035 U (5/24/2023) | ND<0.1 U (11/16/2022) | (0.035 - 0.1)/(5 - 3) | -0.0325 |
| 0.0873 (8/7/2023) | ND<0.1 U (11/16/2022) | (0.0873 - 0.1)/(6 - 3) | -0.00423333 |
| 0.0188 (12/12/2023) | ND<0.1 U (11/16/2022) | (0.0188 - 0.1)/(7 - 3) | -0.0203 |
| 0.0388 (1/10/2024) | ND<0.1 U (11/16/2022) | (0.0388 - 0.1)/(8 - 3) | -0.01224 |
| 0.069 (5/20/2024) | ND<0.1 U (11/16/2022) | (0.069 - 0.1)/(9 - 3) | -0.00516667 |
| 0.115 (9/16/2024) | ND<0.1 U (11/16/2022) | (0.115 - 0.1)/(10 - 3) | 0.00214286 |
| 0.022 (12/11/2024) | ND<0.1 U (11/16/2022) | (0.022 - 0.1)/(11 - 3) | -0.00975 |
| 0.0949 (2/18/2025) | ND<0.1 U (11/16/2022) | (0.0949 - 0.1)/(12 - 3) | -0.000566667 |
| | | | |
| ND<0.035 U (5/24/2023) | ND<0.1 U (2/13/2023) | (0.035 - 0.1)/(5 - 4) | -0.065 |
| 0.0873 (8/7/2023) | ND<0.1 U (2/13/2023) | (0.0873 - 0.1)/(6 - 4) | -0.00635 |
| 0.0188 (12/12/2023) | ND<0.1 U (2/13/2023) | (0.0188 - 0.1)/(7 - 4) | -0.0270667 |
| 0.0388 (1/10/2024) | ND<0.1 U (2/13/2023) | (0.0388 - 0.1)/(8 - 4) | -0.0153 |
| 0.069 (5/20/2024) | ND<0.1 U (2/13/2023) | (0.069 - 0.1)/(9 - 4) | -0.0062 |
| 0.115 (9/16/2024) | ND<0.1 U (2/13/2023) | (0.115 - 0.1)/(10 - 4) | 0.0025 |
| 0.022 (12/11/2024) | ND<0.1 U (2/13/2023) | (0.022 - 0.1)/(11 - 4) | -0.0111429 |
| 0.0949 (2/18/2025) | ND<0.1 U (2/13/2023) | (0.0949 - 0.1)/(12 - 4) | -0.0006375 |
| | | | |
| 0.0873 (8/7/2023) | ND<0.035 U (5/24/2023) | (0.0873 - 0.035)/(6 - 5) | 0.0523 |
| 0.0188 (12/12/2023) | ND<0.035 U (5/24/2023) | (0.0188 - 0.035)/(7 - 5) | -0.0081 |
| 0.0388 (1/10/2024) | ND<0.035 U (5/24/2023) | (0.0388 - 0.035)/(8 - 5) | 0.00126667 |
| 0.069 (5/20/2024) | ND<0.035 U (5/24/2023) | (0.069 - 0.035)/(9 - 5) | 0.0085 |
| 0.115 (9/16/2024) | ND<0.035 U (5/24/2023) | (0.115 - 0.035)/(10 - 5) | 0.016 |
| 0.022 (12/11/2024) | ND<0.035 U (5/24/2023) | (0.022 - 0.035)/(11 - 5) | -0.00216667 |

| | | | |
|---|---|---|---|
| 0.0949 (2/18/2025) | ND<0.035 U (5/24/2023) | (0.0949 - 0.035)/(12 - 5) | 0.00855714 |
| 0.0188 (12/12/2023) | 0.0873 (8/7/2023) | (0.0188 - 0.0873)/(7 - 6) | -0.0685 |
| 0.0388 (1/10/2024) | 0.0873 (8/7/2023) | (0.0388 - 0.0873)/(8 - 6) | -0.02425 |
| 0.069 (5/20/2024) | 0.0873 (8/7/2023) | (0.069 - 0.0873)/(9 - 6) | -0.0061 |
| 0.115 (9/16/2024) | 0.0873 (8/7/2023) | (0.115 - 0.0873)/(10 - 6) | 0.006925 |
| 0.022 (12/11/2024) | 0.0873 (8/7/2023) | (0.022 - 0.0873)/(11 - 6) | -0.01306 |
| 0.0949 (2/18/2025) | 0.0873 (8/7/2023) | (0.0949 - 0.0873)/(12 - 6) | 0.00126667 |
| 0.0388 (1/10/2024) | 0.0188 (12/12/2023) | (0.0388 - 0.0188)/(8 - 7) | 0.02 |
| 0.069 (5/20/2024) | 0.0188 (12/12/2023) | (0.069 - 0.0188)/(9 - 7) | 0.0251 |
| 0.115 (9/16/2024) | 0.0188 (12/12/2023) | (0.115 - 0.0188)/(10 - 7) | 0.0320667 |
| 0.022 (12/11/2024) | 0.0188 (12/12/2023) | (0.022 - 0.0188)/(11 - 7) | 0.0008 |
| 0.0949 (2/18/2025) | 0.0188 (12/12/2023) | (0.0949 - 0.0188)/(12 - 7) | 0.01522 |
| 0.069 (5/20/2024) | 0.0388 (1/10/2024) | (0.069 - 0.0388)/(9 - 8) | 0.0302 |
| 0.115 (9/16/2024) | 0.0388 (1/10/2024) | (0.115 - 0.0388)/(10 - 8) | 0.0381 |
| 0.022 (12/11/2024) | 0.0388 (1/10/2024) | (0.022 - 0.0388)/(11 - 8) | -0.0056 |
| 0.0949 (2/18/2025) | 0.0388 (1/10/2024) | (0.0949 - 0.0388)/(12 - 8) | 0.014025 |
| 0.115 (9/16/2024) | 0.069 (5/20/2024) | (0.115 - 0.069)/(10 - 9) | 0.046 |
| 0.022 (12/11/2024) | 0.069 (5/20/2024) | (0.022 - 0.069)/(11 - 9) | -0.0235 |
| 0.0949 (2/18/2025) | 0.069 (5/20/2024) | (0.0949 - 0.069)/(12 - 9) | 0.00863333 |
| 0.022 (12/11/2024) | 0.115 (9/16/2024) | (0.022 - 0.115)/(11 - 10) | -0.093 |
| 0.0949 (2/18/2025) | 0.115 (9/16/2024) | (0.0949 - 0.115)/(12 - 10) | -0.01005 |
| 0.0949 (2/18/2025) | 0.022 (12/11/2024) | (0.0949 - 0.022)/(12 - 11) | 0.0729 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.093 |
| 2 | -0.0685 |
| 3 | -0.065 |
| 4 | -0.035 |
| 5 | -0.0325 |
| 6 | -0.0270667 |
| 7 | -0.025 |
| 8 | -0.02425 |
| 9 | -0.0235 |
| 10 | -0.0216667 |
| 11 | -0.0203 |
| 12 | -0.0193667 |
| 13 | -0.0175 |
| 14 | -0.01624 |
| 15 | -0.0153 |
| 16 | -0.0137429 |
| 17 | -0.01306 |
| 18 | -0.01224 |
| 19 | -0.0116667 |
| 20 | -0.0113 |
| 21 | -0.0111429 |
| 22 | -0.0102 |
| 23 | -0.01005 |

| | |
|---|---|
| 24 | -0.00975 |
| 25 | -0.00954 |
| 26 | -0.00866667 |
| 27 | -0.00825 |
| 28 | -0.0081 |
| 29 | -0.00635 |
| 30 | -0.0062 |
| 31 | -0.0061 |
| 32 | -0.0056 |
| 33 | -0.00516667 |
| 34 | -0.00442857 |
| 35 | -0.00423333 |
| 36 | -0.00364545 |
| 37 | -0.003175 |
| 38 | -0.00222222 |
| 39 | -0.00216667 |
| 40 | -0.0006375 |
| 41 | -0.000566667 |
| 42 | -0.00051 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |
| 46 | 0.0008 |
| 47 | 0.00126667 |
| 48 | 0.00126667 |
| 49 | 0.001875 |
| 50 | 0.00214286 |
| 51 | 0.0025 |
| 52 | 0.006925 |
| 53 | 0.0085 |
| 54 | 0.00855714 |
| 55 | 0.00863333 |
| 56 | 0.014025 |
| 57 | 0.01522 |
| 58 | 0.016 |
| 59 | 0.02 |
| 60 | 0.0251 |
| 61 | 0.0302 |
| 62 | 0.0320667 |
| 63 | 0.0381 |
| 64 | 0.046 |
| 65 | 0.0523 |
| 66 | 0.0729 |

Sen's Estimator (Median Q) is -0.00479762

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.1 | 3 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |

| | |
|---|---|
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 66
B = 0
C = 6
D = 0
E = 6
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 209
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 23.7794
M1 = (66 - 23.7794)/2.0 = 21.1103
M2 = (66 + 23.7794)/2.0 + 1 = 45.8897
Lower limit is -0.0111429 = Q(21)
Upper limit is 0.0008 = Q(46)
-0.0111429 < 0 < 0.0008 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: AT 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.099 (5/8/2013) | 0.15 (3/12/2013) | (0.099 - 0.15)/(2 - 1) | -0.051 |
| 0.4 (9/23/2013) | 0.15 (3/12/2013) | (0.4 - 0.15)/(3 - 1) | 0.125 |
| 0.29 (12/10/2013) | 0.15 (3/12/2013) | (0.29 - 0.15)/(4 - 1) | 0.0466667 |
| 0.13 (2/6/2014) | 0.15 (3/12/2013) | (0.13 - 0.15)/(5 - 1) | -0.005 |
| 0.34 (6/26/2014) | 0.15 (3/12/2013) | (0.34 - 0.15)/(6 - 1) | 0.038 |
| 0.49 (9/30/2014) | 0.15 (3/12/2013) | (0.49 - 0.15)/(7 - 1) | 0.0566667 |
| 0.41 (11/19/2014) | 0.15 (3/12/2013) | (0.41 - 0.15)/(8 - 1) | 0.0371429 |
| 0.13 (3/23/2015) | 0.15 (3/12/2013) | (0.13 - 0.15)/(9 - 1) | -0.0025 |
| 0.11 (4/22/2015) | 0.15 (3/12/2013) | (0.11 - 0.15)/(10 - 1) | -0.00444444 |
| 0.664 (9/30/2015) | 0.15 (3/12/2013) | (0.664 - 0.15)/(11 - 1) | 0.0514 |
| 0.261 (11/19/2015) | 0.15 (3/12/2013) | (0.261 - 0.15)/(12 - 1) | 0.0100909 |
| 0.068 (3/15/2016) | 0.15 (3/12/2013) | (0.068 - 0.15)/(13 - 1) | -0.00683333 |
| 0.598 (6/29/2016) | 0.15 (3/12/2013) | (0.598 - 0.15)/(14 - 1) | 0.0344615 |
| 0.482 (8/9/2016) | 0.15 (3/12/2013) | (0.482 - 0.15)/(15 - 1) | 0.0237143 |
| 0.45 (12/7/2016) | 0.15 (3/12/2013) | (0.45 - 0.15)/(16 - 1) | 0.02 |
| 0.267 (3/2/2017) | 0.15 (3/12/2013) | (0.267 - 0.15)/(17 - 1) | 0.0073125 |
| 0.226 (6/21/2017) | 0.15 (3/12/2013) | (0.226 - 0.15)/(18 - 1) | 0.00447059 |
| 0.258 (8/17/2017) | 0.15 (3/12/2013) | (0.258 - 0.15)/(19 - 1) | 0.006 |
| 0.226 (10/26/2017) | 0.15 (3/12/2013) | (0.226 - 0.15)/(20 - 1) | 0.004 |
| 0.162 (3/27/2018) | 0.15 (3/12/2013) | (0.162 - 0.15)/(21 - 1) | 0.0006 |
| 0.23 (6/26/2018) | 0.15 (3/12/2013) | (0.23 - 0.15)/(22 - 1) | 0.00380952 |
| 0.285 (8/1/2018) | 0.15 (3/12/2013) | (0.285 - 0.15)/(23 - 1) | 0.00613636 |
| 0.066 (12/11/2018) | 0.15 (3/12/2013) | (0.066 - 0.15)/(24 - 1) | -0.00365217 |
| 0.061 (4/17/2019) | 0.15 (3/12/2013) | (0.061 - 0.15)/(25 - 1) | -0.00370833 |
| 0.206 (6/11/2019) | 0.15 (3/12/2013) | (0.206 - 0.15)/(26 - 1) | 0.00224 |
| 0.404 (8/28/2019) | 0.15 (3/12/2013) | (0.404 - 0.15)/(27 - 1) | 0.00976923 |
| 0.523 (10/28/2019) | 0.15 (3/12/2013) | (0.523 - 0.15)/(28 - 1) | 0.0138148 |
| 0.032 (3/31/2020) | 0.15 (3/12/2013) | (0.032 - 0.15)/(29 - 1) | -0.00421429 |
| 0.248 (6/10/2020) | 0.15 (3/12/2013) | (0.248 - 0.15)/(30 - 1) | 0.00337931 |
| 0.248 (6/10/2020) | 0.15 (3/12/2013) | (0.248 - 0.15)/(30 - 1) | 0.00337931 |
| 0.491 (9/21/2020) | 0.15 (3/12/2013) | (0.491 - 0.15)/(31 - 1) | 0.0113667 |
| 0.087 (12/17/2020) | 0.15 (3/12/2013) | (0.087 - 0.15)/(32 - 1) | -0.00203226 |
| 0.05 (3/18/2021) | 0.15 (3/12/2013) | (0.05 - 0.15)/(33 - 1) | -0.003125 |
| 0.121 (5/5/2021) | 0.15 (3/12/2013) | (0.121 - 0.15)/(34 - 1) | -0.000878788 |
| 0.131 (9/2/2021) | 0.15 (3/12/2013) | (0.131 - 0.15)/(35 - 1) | -0.000558824 |
| ND<0.03 U (11/23/2021) | 0.15 (3/12/2013) | (0.03 - 0.15)/(36 - 1) | -0.00342857 |
| 0.126 (1/10/2022) | 0.15 (3/12/2013) | (0.126 - 0.15)/(37 - 1) | -0.000666667 |
| 0.101 (4/7/2022) | 0.15 (3/12/2013) | (0.101 - 0.15)/(38 - 1) | -0.00132432 |
| 0.271 (8/3/2022) | 0.15 (3/12/2013) | (0.271 - 0.15)/(39 - 1) | 0.00318421 |
| 0.448 (11/16/2022) | 0.15 (3/12/2013) | (0.448 - 0.15)/(40 - 1) | 0.00764103 |
| 0.081 (2/13/2023) | 0.15 (3/12/2013) | (0.081 - 0.15)/(41 - 1) | -0.001725 |
| 0.127 (5/24/2023) | 0.15 (3/12/2013) | (0.127 - 0.15)/(42 - 1) | -0.000560976 |
| 0.373 (8/7/2023) | 0.15 (3/12/2013) | (0.373 - 0.15)/(43 - 1) | 0.00530952 |
| 0.752 (12/12/2023) | 0.15 (3/12/2013) | (0.752 - 0.15)/(44 - 1) | 0.014 |
| 0.299 (1/10/2024) | 0.15 (3/12/2013) | (0.299 - 0.15)/(45 - 1) | 0.00338636 |
| 0.12 (5/20/2024) | 0.15 (3/12/2013) | (0.12 - 0.15)/(46 - 1) | -0.000666667 |
| 0.57 (9/16/2024) | 0.15 (3/12/2013) | (0.57 - 0.15)/(47 - 1) | 0.00913043 |
| 0.499 (12/11/2024) | 0.15 (3/12/2013) | (0.499 - 0.15)/(48 - 1) | 0.00742553 |

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|---|---|---|---|
| 0.108 (2/18/2025) | 0.15 (3/12/2013) | (0.108 - 0.15)/(49 - 1) | -0.000875 |
| | | | |
| 0.4 (9/23/2013) | 0.099 (5/8/2013) | (0.4 - 0.099)/(3 - 2) | 0.301 |
| 0.29 (12/10/2013) | 0.099 (5/8/2013) | (0.29 - 0.099)/(4 - 2) | 0.0955 |
| 0.13 (2/6/2014) | 0.099 (5/8/2013) | (0.13 - 0.099)/(5 - 2) | 0.0103333 |
| 0.34 (6/26/2014) | 0.099 (5/8/2013) | (0.34 - 0.099)/(6 - 2) | 0.06025 |
| 0.49 (9/30/2014) | 0.099 (5/8/2013) | (0.49 - 0.099)/(7 - 2) | 0.0782 |
| 0.41 (11/19/2014) | 0.099 (5/8/2013) | (0.41 - 0.099)/(8 - 2) | 0.0518333 |
| 0.13 (3/23/2015) | 0.099 (5/8/2013) | (0.13 - 0.099)/(9 - 2) | 0.00442857 |
| 0.11 (4/22/2015) | 0.099 (5/8/2013) | (0.11 - 0.099)/(10 - 2) | 0.001375 |
| 0.664 (9/30/2015) | 0.099 (5/8/2013) | (0.664 - 0.099)/(11 - 2) | 0.0627778 |
| 0.261 (11/19/2015) | 0.099 (5/8/2013) | (0.261 - 0.099)/(12 - 2) | 0.0162 |
| 0.068 (3/15/2016) | 0.099 (5/8/2013) | (0.068 - 0.099)/(13 - 2) | -0.00281818 |
| 0.598 (6/29/2016) | 0.099 (5/8/2013) | (0.598 - 0.099)/(14 - 2) | 0.0415833 |
| 0.482 (8/9/2016) | 0.099 (5/8/2013) | (0.482 - 0.099)/(15 - 2) | 0.0294615 |
| 0.45 (12/7/2016) | 0.099 (5/8/2013) | (0.45 - 0.099)/(16 - 2) | 0.0250714 |
| 0.267 (3/2/2017) | 0.099 (5/8/2013) | (0.267 - 0.099)/(17 - 2) | 0.0112 |
| 0.226 (6/21/2017) | 0.099 (5/8/2013) | (0.226 - 0.099)/(18 - 2) | 0.0079375 |
| 0.258 (8/17/2017) | 0.099 (5/8/2013) | (0.258 - 0.099)/(19 - 2) | 0.00935294 |
| 0.226 (10/26/2017) | 0.099 (5/8/2013) | (0.226 - 0.099)/(20 - 2) | 0.00705556 |
| 0.162 (3/27/2018) | 0.099 (5/8/2013) | (0.162 - 0.099)/(21 - 2) | 0.00331579 |
| 0.23 (6/26/2018) | 0.099 (5/8/2013) | (0.23 - 0.099)/(22 - 2) | 0.00655 |
| 0.285 (8/1/2018) | 0.099 (5/8/2013) | (0.285 - 0.099)/(23 - 2) | 0.00885714 |
| 0.066 (12/11/2018) | 0.099 (5/8/2013) | (0.066 - 0.099)/(24 - 2) | -0.0015 |
| 0.061 (4/17/2019) | 0.099 (5/8/2013) | (0.061 - 0.099)/(25 - 2) | -0.00165217 |
| 0.206 (6/11/2019) | 0.099 (5/8/2013) | (0.206 - 0.099)/(26 - 2) | 0.00445833 |
| 0.404 (8/28/2019) | 0.099 (5/8/2013) | (0.404 - 0.099)/(27 - 2) | 0.0122 |
| 0.523 (10/28/2019) | 0.099 (5/8/2013) | (0.523 - 0.099)/(28 - 2) | 0.0163077 |
| 0.032 (3/31/2020) | 0.099 (5/8/2013) | (0.032 - 0.099)/(29 - 2) | -0.00248148 |
| 0.248 (6/10/2020) | 0.099 (5/8/2013) | (0.248 - 0.099)/(30 - 2) | 0.00532143 |
| 0.248 (6/10/2020) | 0.099 (5/8/2013) | (0.248 - 0.099)/(30 - 2) | 0.00532143 |
| 0.491 (9/21/2020) | 0.099 (5/8/2013) | (0.491 - 0.099)/(31 - 2) | 0.0135172 |
| 0.087 (12/17/2020) | 0.099 (5/8/2013) | (0.087 - 0.099)/(32 - 2) | -0.0004 |
| 0.05 (3/18/2021) | 0.099 (5/8/2013) | (0.05 - 0.099)/(33 - 2) | -0.00158065 |
| 0.121 (5/5/2021) | 0.099 (5/8/2013) | (0.121 - 0.099)/(34 - 2) | 0.0006875 |
| 0.131 (9/2/2021) | 0.099 (5/8/2013) | (0.131 - 0.099)/(35 - 2) | 0.000969697 |
| ND<0.03 U (11/23/2021) | 0.099 (5/8/2013) | (0.03 - 0.099)/(36 - 2) | -0.00202941 |
| 0.126 (1/10/2022) | 0.099 (5/8/2013) | (0.126 - 0.099)/(37 - 2) | 0.000771429 |
| 0.101 (4/7/2022) | 0.099 (5/8/2013) | (0.101 - 0.099)/(38 - 2) | 5.55556e-05 |
| 0.271 (8/3/2022) | 0.099 (5/8/2013) | (0.271 - 0.099)/(39 - 2) | 0.00464865 |
| 0.448 (11/16/2022) | 0.099 (5/8/2013) | (0.448 - 0.099)/(40 - 2) | 0.00918421 |
| 0.081 (2/13/2023) | 0.099 (5/8/2013) | (0.081 - 0.099)/(41 - 2) | -0.000461538 |
| 0.127 (5/24/2023) | 0.099 (5/8/2013) | (0.127 - 0.099)/(42 - 2) | 0.0007 |
| 0.373 (8/7/2023) | 0.099 (5/8/2013) | (0.373 - 0.099)/(43 - 2) | 0.00668293 |
| 0.752 (12/12/2023) | 0.099 (5/8/2013) | (0.752 - 0.099)/(44 - 2) | 0.0155476 |
| 0.299 (1/10/2024) | 0.099 (5/8/2013) | (0.299 - 0.099)/(45 - 2) | 0.00465116 |
| 0.12 (5/20/2024) | 0.099 (5/8/2013) | (0.12 - 0.099)/(46 - 2) | 0.000477273 |
| 0.57 (9/16/2024) | 0.099 (5/8/2013) | (0.57 - 0.099)/(47 - 2) | 0.0104667 |
| 0.499 (12/11/2024) | 0.099 (5/8/2013) | (0.499 - 0.099)/(48 - 2) | 0.00869565 |
| 0.108 (2/18/2025) | 0.099 (5/8/2013) | (0.108 - 0.099)/(49 - 2) | 0.000191489 |
| | | | |
| 0.29 (12/10/2013) | 0.4 (9/23/2013) | (0.29 - 0.4)/(4 - 3) | -0.11 |
| 0.13 (2/6/2014) | 0.4 (9/23/2013) | (0.13 - 0.4)/(5 - 3) | -0.135 |
| 0.34 (6/26/2014) | 0.4 (9/23/2013) | (0.34 - 0.4)/(6 - 3) | -0.02 |
| 0.49 (9/30/2014) | 0.4 (9/23/2013) | (0.49 - 0.4)/(7 - 3) | 0.0225 |
| 0.41 (11/19/2014) | 0.4 (9/23/2013) | (0.41 - 0.4)/(8 - 3) | 0.002 |
| 0.13 (3/23/2015) | 0.4 (9/23/2013) | (0.13 - 0.4)/(9 - 3) | -0.045 |

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|---|---|---|---|
| 0.11 (4/22/2015) | 0.4 (9/23/2013) | (0.11 - 0.4)/(10 - 3) | -0.0414286 |
| 0.664 (9/30/2015) | 0.4 (9/23/2013) | (0.664 - 0.4)/(11 - 3) | 0.033 |
| 0.261 (11/19/2015) | 0.4 (9/23/2013) | (0.261 - 0.4)/(12 - 3) | -0.0154444 |
| 0.068 (3/15/2016) | 0.4 (9/23/2013) | (0.068 - 0.4)/(13 - 3) | -0.0332 |
| 0.598 (6/29/2016) | 0.4 (9/23/2013) | (0.598 - 0.4)/(14 - 3) | 0.018 |
| 0.482 (8/9/2016) | 0.4 (9/23/2013) | (0.482 - 0.4)/(15 - 3) | 0.00683333 |
| 0.45 (12/7/2016) | 0.4 (9/23/2013) | (0.45 - 0.4)/(16 - 3) | 0.00384615 |
| 0.267 (3/2/2017) | 0.4 (9/23/2013) | (0.267 - 0.4)/(17 - 3) | -0.0095 |
| 0.226 (6/21/2017) | 0.4 (9/23/2013) | (0.226 - 0.4)/(18 - 3) | -0.0116 |
| 0.258 (8/17/2017) | 0.4 (9/23/2013) | (0.258 - 0.4)/(19 - 3) | -0.008875 |
| 0.226 (10/26/2017) | 0.4 (9/23/2013) | (0.226 - 0.4)/(20 - 3) | -0.0102353 |
| 0.162 (3/27/2018) | 0.4 (9/23/2013) | (0.162 - 0.4)/(21 - 3) | -0.0132222 |
| 0.23 (6/26/2018) | 0.4 (9/23/2013) | (0.23 - 0.4)/(22 - 3) | -0.00894737 |
| 0.285 (8/1/2018) | 0.4 (9/23/2013) | (0.285 - 0.4)/(23 - 3) | -0.00575 |
| 0.066 (12/11/2018) | 0.4 (9/23/2013) | (0.066 - 0.4)/(24 - 3) | -0.0159048 |
| 0.061 (4/17/2019) | 0.4 (9/23/2013) | (0.061 - 0.4)/(25 - 3) | -0.0154091 |
| 0.206 (6/11/2019) | 0.4 (9/23/2013) | (0.206 - 0.4)/(26 - 3) | -0.00843478 |
| 0.404 (8/28/2019) | 0.4 (9/23/2013) | (0.404 - 0.4)/(27 - 3) | 0.000166667 |
| 0.523 (10/28/2019) | 0.4 (9/23/2013) | (0.523 - 0.4)/(28 - 3) | 0.00492 |
| 0.032 (3/31/2020) | 0.4 (9/23/2013) | (0.032 - 0.4)/(29 - 3) | -0.0141538 |
| 0.248 (6/10/2020) | 0.4 (9/23/2013) | (0.248 - 0.4)/(30 - 3) | -0.00562963 |
| 0.248 (6/10/2020) | 0.4 (9/23/2013) | (0.248 - 0.4)/(30 - 3) | -0.00562963 |
| 0.491 (9/21/2020) | 0.4 (9/23/2013) | (0.491 - 0.4)/(31 - 3) | 0.00325 |
| 0.087 (12/17/2020) | 0.4 (9/23/2013) | (0.087 - 0.4)/(32 - 3) | -0.0107931 |
| 0.05 (3/18/2021) | 0.4 (9/23/2013) | (0.05 - 0.4)/(33 - 3) | -0.0116667 |
| 0.121 (5/5/2021) | 0.4 (9/23/2013) | (0.121 - 0.4)/(34 - 3) | -0.009 |
| 0.131 (9/2/2021) | 0.4 (9/23/2013) | (0.131 - 0.4)/(35 - 3) | -0.00840625 |
| ND<0.03 U (11/23/2021) | 0.4 (9/23/2013) | (0.03 - 0.4)/(36 - 3) | -0.0112121 |
| 0.126 (1/10/2022) | 0.4 (9/23/2013) | (0.126 - 0.4)/(37 - 3) | -0.00805882 |
| 0.101 (4/7/2022) | 0.4 (9/23/2013) | (0.101 - 0.4)/(38 - 3) | -0.00854286 |
| 0.271 (8/3/2022) | 0.4 (9/23/2013) | (0.271 - 0.4)/(39 - 3) | -0.00358333 |
| 0.448 (11/16/2022) | 0.4 (9/23/2013) | (0.448 - 0.4)/(40 - 3) | 0.0012973 |
| 0.081 (2/13/2023) | 0.4 (9/23/2013) | (0.081 - 0.4)/(41 - 3) | -0.00839474 |
| 0.127 (5/24/2023) | 0.4 (9/23/2013) | (0.127 - 0.4)/(42 - 3) | -0.007 |
| 0.373 (8/7/2023) | 0.4 (9/23/2013) | (0.373 - 0.4)/(43 - 3) | -0.000675 |
| 0.752 (12/12/2023) | 0.4 (9/23/2013) | (0.752 - 0.4)/(44 - 3) | 0.00858537 |
| 0.299 (1/10/2024) | 0.4 (9/23/2013) | (0.299 - 0.4)/(45 - 3) | -0.00240476 |
| 0.12 (5/20/2024) | 0.4 (9/23/2013) | (0.12 - 0.4)/(46 - 3) | -0.00651163 |
| 0.57 (9/16/2024) | 0.4 (9/23/2013) | (0.57 - 0.4)/(47 - 3) | 0.00386364 |
| 0.499 (12/11/2024) | 0.4 (9/23/2013) | (0.499 - 0.4)/(48 - 3) | 0.0022 |
| 0.108 (2/18/2025) | 0.4 (9/23/2013) | (0.108 - 0.4)/(49 - 3) | -0.00634783 |
| | | | |
| 0.13 (2/6/2014) | 0.29 (12/10/2013) | (0.13 - 0.29)/(5 - 4) | -0.16 |
| 0.34 (6/26/2014) | 0.29 (12/10/2013) | (0.34 - 0.29)/(6 - 4) | 0.025 |
| 0.49 (9/30/2014) | 0.29 (12/10/2013) | (0.49 - 0.29)/(7 - 4) | 0.0666667 |
| 0.41 (11/19/2014) | 0.29 (12/10/2013) | (0.41 - 0.29)/(8 - 4) | 0.03 |
| 0.13 (3/23/2015) | 0.29 (12/10/2013) | (0.13 - 0.29)/(9 - 4) | -0.032 |
| 0.11 (4/22/2015) | 0.29 (12/10/2013) | (0.11 - 0.29)/(10 - 4) | -0.03 |
| 0.664 (9/30/2015) | 0.29 (12/10/2013) | (0.664 - 0.29)/(11 - 4) | 0.0534286 |
| 0.261 (11/19/2015) | 0.29 (12/10/2013) | (0.261 - 0.29)/(12 - 4) | -0.003625 |
| 0.068 (3/15/2016) | 0.29 (12/10/2013) | (0.068 - 0.29)/(13 - 4) | -0.0246667 |
| 0.598 (6/29/2016) | 0.29 (12/10/2013) | (0.598 - 0.29)/(14 - 4) | 0.0308 |
| 0.482 (8/9/2016) | 0.29 (12/10/2013) | (0.482 - 0.29)/(15 - 4) | 0.0174545 |
| 0.45 (12/7/2016) | 0.29 (12/10/2013) | (0.45 - 0.29)/(16 - 4) | 0.0133333 |
| 0.267 (3/2/2017) | 0.29 (12/10/2013) | (0.267 - 0.29)/(17 - 4) | -0.00176923 |
| 0.226 (6/21/2017) | 0.29 (12/10/2013) | (0.226 - 0.29)/(18 - 4) | -0.00457143 |
| 0.258 (8/17/2017) | 0.29 (12/10/2013) | (0.258 - 0.29)/(19 - 4) | -0.00213333 |

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|---|---|---|---|
| 0.226 (10/26/2017) | 0.29 (12/10/2013) | (0.226 - 0.29)/(20 - 4) | -0.004 |
| 0.162 (3/27/2018) | 0.29 (12/10/2013) | (0.162 - 0.29)/(21 - 4) | -0.00752941 |
| 0.23 (6/26/2018) | 0.29 (12/10/2013) | (0.23 - 0.29)/(22 - 4) | -0.00333333 |
| 0.285 (8/1/2018) | 0.29 (12/10/2013) | (0.285 - 0.29)/(23 - 4) | -0.000263158 |
| 0.066 (12/11/2018) | 0.29 (12/10/2013) | (0.066 - 0.29)/(24 - 4) | -0.0112 |
| 0.061 (4/17/2019) | 0.29 (12/10/2013) | (0.061 - 0.29)/(25 - 4) | -0.0109048 |
| 0.206 (6/11/2019) | 0.29 (12/10/2013) | (0.206 - 0.29)/(26 - 4) | -0.00381818 |
| 0.404 (8/28/2019) | 0.29 (12/10/2013) | (0.404 - 0.29)/(27 - 4) | 0.00495652 |
| 0.523 (10/28/2019) | 0.29 (12/10/2013) | (0.523 - 0.29)/(28 - 4) | 0.00970833 |
| 0.032 (3/31/2020) | 0.29 (12/10/2013) | (0.032 - 0.29)/(29 - 4) | -0.01032 |
| 0.248 (6/10/2020) | 0.29 (12/10/2013) | (0.248 - 0.29)/(30 - 4) | -0.00161538 |
| 0.248 (6/10/2020) | 0.29 (12/10/2013) | (0.248 - 0.29)/(30 - 4) | -0.00161538 |
| 0.491 (9/21/2020) | 0.29 (12/10/2013) | (0.491 - 0.29)/(31 - 4) | 0.00744444 |
| 0.087 (12/17/2020) | 0.29 (12/10/2013) | (0.087 - 0.29)/(32 - 4) | -0.00725 |
| 0.05 (3/18/2021) | 0.29 (12/10/2013) | (0.05 - 0.29)/(33 - 4) | -0.00827586 |
| 0.121 (5/5/2021) | 0.29 (12/10/2013) | (0.121 - 0.29)/(34 - 4) | -0.00563333 |
| 0.131 (9/2/2021) | 0.29 (12/10/2013) | (0.131 - 0.29)/(35 - 4) | -0.00512903 |
| ND<0.03 U (11/23/2021) | 0.29 (12/10/2013) | (0.03 - 0.29)/(36 - 4) | -0.008125 |
| 0.126 (1/10/2022) | 0.29 (12/10/2013) | (0.126 - 0.29)/(37 - 4) | -0.0049697 |
| 0.101 (4/7/2022) | 0.29 (12/10/2013) | (0.101 - 0.29)/(38 - 4) | -0.00555882 |
| 0.271 (8/3/2022) | 0.29 (12/10/2013) | (0.271 - 0.29)/(39 - 4) | -0.000542857 |
| 0.448 (11/16/2022) | 0.29 (12/10/2013) | (0.448 - 0.29)/(40 - 4) | 0.00438889 |
| 0.081 (2/13/2023) | 0.29 (12/10/2013) | (0.081 - 0.29)/(41 - 4) | -0.00564865 |
| 0.127 (5/24/2023) | 0.29 (12/10/2013) | (0.127 - 0.29)/(42 - 4) | -0.00428947 |
| 0.373 (8/7/2023) | 0.29 (12/10/2013) | (0.373 - 0.29)/(43 - 4) | 0.00212821 |
| 0.752 (12/12/2023) | 0.29 (12/10/2013) | (0.752 - 0.29)/(44 - 4) | 0.01155 |
| 0.299 (1/10/2024) | 0.29 (12/10/2013) | (0.299 - 0.29)/(45 - 4) | 0.000219512 |
| 0.12 (5/20/2024) | 0.29 (12/10/2013) | (0.12 - 0.29)/(46 - 4) | -0.00404762 |
| 0.57 (9/16/2024) | 0.29 (12/10/2013) | (0.57 - 0.29)/(47 - 4) | 0.00651163 |
| 0.499 (12/11/2024) | 0.29 (12/10/2013) | (0.499 - 0.29)/(48 - 4) | 0.00475 |
| 0.108 (2/18/2025) | 0.29 (12/10/2013) | (0.108 - 0.29)/(49 - 4) | -0.00404444 |

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|---|---|---|---|
| 0.34 (6/26/2014) | 0.13 (2/6/2014) | (0.34 - 0.13)/(6 - 5) | 0.21 |
| 0.49 (9/30/2014) | 0.13 (2/6/2014) | (0.49 - 0.13)/(7 - 5) | 0.18 |
| 0.41 (11/19/2014) | 0.13 (2/6/2014) | (0.41 - 0.13)/(8 - 5) | 0.0933333 |
| 0.13 (3/23/2015) | 0.13 (2/6/2014) | (0.13 - 0.13)/(9 - 5) | 0 |
| 0.11 (4/22/2015) | 0.13 (2/6/2014) | (0.11 - 0.13)/(10 - 5) | -0.004 |
| 0.664 (9/30/2015) | 0.13 (2/6/2014) | (0.664 - 0.13)/(11 - 5) | 0.089 |
| 0.261 (11/19/2015) | 0.13 (2/6/2014) | (0.261 - 0.13)/(12 - 5) | 0.0187143 |
| 0.068 (3/15/2016) | 0.13 (2/6/2014) | (0.068 - 0.13)/(13 - 5) | -0.00775 |
| 0.598 (6/29/2016) | 0.13 (2/6/2014) | (0.598 - 0.13)/(14 - 5) | 0.052 |
| 0.482 (8/9/2016) | 0.13 (2/6/2014) | (0.482 - 0.13)/(15 - 5) | 0.0352 |
| 0.45 (12/7/2016) | 0.13 (2/6/2014) | (0.45 - 0.13)/(16 - 5) | 0.0290909 |
| 0.267 (3/2/2017) | 0.13 (2/6/2014) | (0.267 - 0.13)/(17 - 5) | 0.0114167 |
| 0.226 (6/21/2017) | 0.13 (2/6/2014) | (0.226 - 0.13)/(18 - 5) | 0.00738462 |
| 0.258 (8/17/2017) | 0.13 (2/6/2014) | (0.258 - 0.13)/(19 - 5) | 0.00914286 |
| 0.226 (10/26/2017) | 0.13 (2/6/2014) | (0.226 - 0.13)/(20 - 5) | 0.0064 |
| 0.162 (3/27/2018) | 0.13 (2/6/2014) | (0.162 - 0.13)/(21 - 5) | 0.002 |
| 0.23 (6/26/2018) | 0.13 (2/6/2014) | (0.23 - 0.13)/(22 - 5) | 0.00588235 |
| 0.285 (8/1/2018) | 0.13 (2/6/2014) | (0.285 - 0.13)/(23 - 5) | 0.00861111 |
| 0.066 (12/11/2018) | 0.13 (2/6/2014) | (0.066 - 0.13)/(24 - 5) | -0.00336842 |
| 0.061 (4/17/2019) | 0.13 (2/6/2014) | (0.061 - 0.13)/(25 - 5) | -0.00345 |
| 0.206 (6/11/2019) | 0.13 (2/6/2014) | (0.206 - 0.13)/(26 - 5) | 0.00361905 |
| 0.404 (8/28/2019) | 0.13 (2/6/2014) | (0.404 - 0.13)/(27 - 5) | 0.0124545 |
| 0.523 (10/28/2019) | 0.13 (2/6/2014) | (0.523 - 0.13)/(28 - 5) | 0.017087 |
| 0.032 (3/31/2020) | 0.13 (2/6/2014) | (0.032 - 0.13)/(29 - 5) | -0.00408333 |
| 0.248 (6/10/2020) | 0.13 (2/6/2014) | (0.248 - 0.13)/(30 - 5) | 0.00472 |

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|---|---|---|---|
| 0.248 (6/10/2020) | 0.13 (2/6/2014) | (0.248 - 0.13)/(30 - 5) | 0.00472 |
| 0.491 (9/21/2020) | 0.13 (2/6/2014) | (0.491 - 0.13)/(31 - 5) | 0.0138846 |
| 0.087 (12/17/2020) | 0.13 (2/6/2014) | (0.087 - 0.13)/(32 - 5) | -0.00159259 |
| 0.05 (3/18/2021) | 0.13 (2/6/2014) | (0.05 - 0.13)/(33 - 5) | -0.00285714 |
| 0.121 (5/5/2021) | 0.13 (2/6/2014) | (0.121 - 0.13)/(34 - 5) | -0.000310345 |
| 0.131 (9/2/2021) | 0.13 (2/6/2014) | (0.131 - 0.13)/(35 - 5) | 3.33333e-05 |
| ND<0.03 U (11/23/2021) | 0.13 (2/6/2014) | (0.03 - 0.13)/(36 - 5) | -0.00322581 |
| 0.126 (1/10/2022) | 0.13 (2/6/2014) | (0.126 - 0.13)/(37 - 5) | -0.000125 |
| 0.101 (4/7/2022) | 0.13 (2/6/2014) | (0.101 - 0.13)/(38 - 5) | -0.000878788 |
| 0.271 (8/3/2022) | 0.13 (2/6/2014) | (0.271 - 0.13)/(39 - 5) | 0.00414706 |
| 0.448 (11/16/2022) | 0.13 (2/6/2014) | (0.448 - 0.13)/(40 - 5) | 0.00908571 |
| 0.081 (2/13/2023) | 0.13 (2/6/2014) | (0.081 - 0.13)/(41 - 5) | -0.00136111 |
| 0.127 (5/24/2023) | 0.13 (2/6/2014) | (0.127 - 0.13)/(42 - 5) | -8.10811e-05 |
| 0.373 (8/7/2023) | 0.13 (2/6/2014) | (0.373 - 0.13)/(43 - 5) | 0.00639474 |
| 0.752 (12/12/2023) | 0.13 (2/6/2014) | (0.752 - 0.13)/(44 - 5) | 0.0159487 |
| 0.299 (1/10/2024) | 0.13 (2/6/2014) | (0.299 - 0.13)/(45 - 5) | 0.004225 |
| 0.12 (5/20/2024) | 0.13 (2/6/2014) | (0.12 - 0.13)/(46 - 5) | -0.000243902 |
| 0.57 (9/16/2024) | 0.13 (2/6/2014) | (0.57 - 0.13)/(47 - 5) | 0.0104762 |
| 0.499 (12/11/2024) | 0.13 (2/6/2014) | (0.499 - 0.13)/(48 - 5) | 0.0085814 |
| 0.108 (2/18/2025) | 0.13 (2/6/2014) | (0.108 - 0.13)/(49 - 5) | -0.0005 |

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|---|---|---|---|
| 0.49 (9/30/2014) | 0.34 (6/26/2014) | (0.49 - 0.34)/(7 - 6) | 0.15 |
| 0.41 (11/19/2014) | 0.34 (6/26/2014) | (0.41 - 0.34)/(8 - 6) | 0.035 |
| 0.13 (3/23/2015) | 0.34 (6/26/2014) | (0.13 - 0.34)/(9 - 6) | -0.07 |
| 0.11 (4/22/2015) | 0.34 (6/26/2014) | (0.11 - 0.34)/(10 - 6) | -0.0575 |
| 0.664 (9/30/2015) | 0.34 (6/26/2014) | (0.664 - 0.34)/(11 - 6) | 0.0648 |
| 0.261 (11/19/2015) | 0.34 (6/26/2014) | (0.261 - 0.34)/(12 - 6) | -0.0131667 |
| 0.068 (3/15/2016) | 0.34 (6/26/2014) | (0.068 - 0.34)/(13 - 6) | -0.0388571 |
| 0.598 (6/29/2016) | 0.34 (6/26/2014) | (0.598 - 0.34)/(14 - 6) | 0.03225 |
| 0.482 (8/9/2016) | 0.34 (6/26/2014) | (0.482 - 0.34)/(15 - 6) | 0.0157778 |
| 0.45 (12/7/2016) | 0.34 (6/26/2014) | (0.45 - 0.34)/(16 - 6) | 0.011 |
| 0.267 (3/2/2017) | 0.34 (6/26/2014) | (0.267 - 0.34)/(17 - 6) | -0.00663636 |
| 0.226 (6/21/2017) | 0.34 (6/26/2014) | (0.226 - 0.34)/(18 - 6) | -0.0095 |
| 0.258 (8/17/2017) | 0.34 (6/26/2014) | (0.258 - 0.34)/(19 - 6) | -0.00630769 |
| 0.226 (10/26/2017) | 0.34 (6/26/2014) | (0.226 - 0.34)/(20 - 6) | -0.00814286 |
| 0.162 (3/27/2018) | 0.34 (6/26/2014) | (0.162 - 0.34)/(21 - 6) | -0.0118667 |
| 0.23 (6/26/2018) | 0.34 (6/26/2014) | (0.23 - 0.34)/(22 - 6) | -0.006875 |
| 0.285 (8/1/2018) | 0.34 (6/26/2014) | (0.285 - 0.34)/(23 - 6) | -0.00323529 |
| 0.066 (12/11/2018) | 0.34 (6/26/2014) | (0.066 - 0.34)/(24 - 6) | -0.0152222 |
| 0.061 (4/17/2019) | 0.34 (6/26/2014) | (0.061 - 0.34)/(25 - 6) | -0.0146842 |
| 0.206 (6/11/2019) | 0.34 (6/26/2014) | (0.206 - 0.34)/(26 - 6) | -0.0067 |
| 0.404 (8/28/2019) | 0.34 (6/26/2014) | (0.404 - 0.34)/(27 - 6) | 0.00304762 |
| 0.523 (10/28/2019) | 0.34 (6/26/2014) | (0.523 - 0.34)/(28 - 6) | 0.00831818 |
| 0.032 (3/31/2020) | 0.34 (6/26/2014) | (0.032 - 0.34)/(29 - 6) | -0.0133913 |
| 0.248 (6/10/2020) | 0.34 (6/26/2014) | (0.248 - 0.34)/(30 - 6) | -0.00383333 |
| 0.248 (6/10/2020) | 0.34 (6/26/2014) | (0.248 - 0.34)/(30 - 6) | -0.00383333 |
| 0.491 (9/21/2020) | 0.34 (6/26/2014) | (0.491 - 0.34)/(31 - 6) | 0.00604 |
| 0.087 (12/17/2020) | 0.34 (6/26/2014) | (0.087 - 0.34)/(32 - 6) | -0.00973077 |
| 0.05 (3/18/2021) | 0.34 (6/26/2014) | (0.05 - 0.34)/(33 - 6) | -0.0107407 |
| 0.121 (5/5/2021) | 0.34 (6/26/2014) | (0.121 - 0.34)/(34 - 6) | -0.00782143 |
| 0.131 (9/2/2021) | 0.34 (6/26/2014) | (0.131 - 0.34)/(35 - 6) | -0.0072069 |
| ND<0.03 U (11/23/2021) | 0.34 (6/26/2014) | (0.03 - 0.34)/(36 - 6) | -0.0103333 |
| 0.126 (1/10/2022) | 0.34 (6/26/2014) | (0.126 - 0.34)/(37 - 6) | -0.00690323 |
| 0.101 (4/7/2022) | 0.34 (6/26/2014) | (0.101 - 0.34)/(38 - 6) | -0.00746875 |
| 0.271 (8/3/2022) | 0.34 (6/26/2014) | (0.271 - 0.34)/(39 - 6) | -0.00209091 |
| 0.448 (11/16/2022) | 0.34 (6/26/2014) | (0.448 - 0.34)/(40 - 6) | 0.00317647 |
| 0.081 (2/13/2023) | 0.34 (6/26/2014) | (0.081 - 0.34)/(41 - 6) | -0.0074 |

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|---|---|---|---|
| 0.127 (5/24/2023) | 0.34 (6/26/2014) | (0.127 - 0.34)/(42 - 6) | -0.00591667 |
| 0.373 (8/7/2023) | 0.34 (6/26/2014) | (0.373 - 0.34)/(43 - 6) | 0.000891892 |
| 0.752 (12/12/2023) | 0.34 (6/26/2014) | (0.752 - 0.34)/(44 - 6) | 0.0108421 |
| 0.299 (1/10/2024) | 0.34 (6/26/2014) | (0.299 - 0.34)/(45 - 6) | -0.00105128 |
| 0.12 (5/20/2024) | 0.34 (6/26/2014) | (0.12 - 0.34)/(46 - 6) | -0.0055 |
| 0.57 (9/16/2024) | 0.34 (6/26/2014) | (0.57 - 0.34)/(47 - 6) | 0.00560976 |
| 0.499 (12/11/2024) | 0.34 (6/26/2014) | (0.499 - 0.34)/(48 - 6) | 0.00378571 |
| 0.108 (2/18/2025) | 0.34 (6/26/2014) | (0.108 - 0.34)/(49 - 6) | -0.00539535 |
| | | | |
| 0.41 (11/19/2014) | 0.49 (9/30/2014) | (0.41 - 0.49)/(8 - 7) | -0.08 |
| 0.13 (3/23/2015) | 0.49 (9/30/2014) | (0.13 - 0.49)/(9 - 7) | -0.18 |
| 0.11 (4/22/2015) | 0.49 (9/30/2014) | (0.11 - 0.49)/(10 - 7) | -0.126667 |
| 0.664 (9/30/2015) | 0.49 (9/30/2014) | (0.664 - 0.49)/(11 - 7) | 0.0435 |
| 0.261 (11/19/2015) | 0.49 (9/30/2014) | (0.261 - 0.49)/(12 - 7) | -0.0458 |
| 0.068 (3/15/2016) | 0.49 (9/30/2014) | (0.068 - 0.49)/(13 - 7) | -0.0703333 |
| 0.598 (6/29/2016) | 0.49 (9/30/2014) | (0.598 - 0.49)/(14 - 7) | 0.0154286 |
| 0.482 (8/9/2016) | 0.49 (9/30/2014) | (0.482 - 0.49)/(15 - 7) | -0.001 |
| 0.45 (12/7/2016) | 0.49 (9/30/2014) | (0.45 - 0.49)/(16 - 7) | -0.00444444 |
| 0.267 (3/2/2017) | 0.49 (9/30/2014) | (0.267 - 0.49)/(17 - 7) | -0.0223 |
| 0.226 (6/21/2017) | 0.49 (9/30/2014) | (0.226 - 0.49)/(18 - 7) | -0.024 |
| 0.258 (8/17/2017) | 0.49 (9/30/2014) | (0.258 - 0.49)/(19 - 7) | -0.0193333 |
| 0.226 (10/26/2017) | 0.49 (9/30/2014) | (0.226 - 0.49)/(20 - 7) | -0.0203077 |
| 0.162 (3/27/2018) | 0.49 (9/30/2014) | (0.162 - 0.49)/(21 - 7) | -0.0234286 |
| 0.23 (6/26/2018) | 0.49 (9/30/2014) | (0.23 - 0.49)/(22 - 7) | -0.0173333 |
| 0.285 (8/1/2018) | 0.49 (9/30/2014) | (0.285 - 0.49)/(23 - 7) | -0.0128125 |
| 0.066 (12/11/2018) | 0.49 (9/30/2014) | (0.066 - 0.49)/(24 - 7) | -0.0249412 |
| 0.061 (4/17/2019) | 0.49 (9/30/2014) | (0.061 - 0.49)/(25 - 7) | -0.0238333 |
| 0.206 (6/11/2019) | 0.49 (9/30/2014) | (0.206 - 0.49)/(26 - 7) | -0.0149474 |
| 0.404 (8/28/2019) | 0.49 (9/30/2014) | (0.404 - 0.49)/(27 - 7) | -0.0043 |
| 0.523 (10/28/2019) | 0.49 (9/30/2014) | (0.523 - 0.49)/(28 - 7) | 0.00157143 |
| 0.032 (3/31/2020) | 0.49 (9/30/2014) | (0.032 - 0.49)/(29 - 7) | -0.0208182 |
| 0.248 (6/10/2020) | 0.49 (9/30/2014) | (0.248 - 0.49)/(30 - 7) | -0.0105217 |
| 0.248 (6/10/2020) | 0.49 (9/30/2014) | (0.248 - 0.49)/(30 - 7) | -0.0105217 |
| 0.491 (9/21/2020) | 0.49 (9/30/2014) | (0.491 - 0.49)/(31 - 7) | 4.16667e-05 |
| 0.087 (12/17/2020) | 0.49 (9/30/2014) | (0.087 - 0.49)/(32 - 7) | -0.01612 |
| 0.05 (3/18/2021) | 0.49 (9/30/2014) | (0.05 - 0.49)/(33 - 7) | -0.0169231 |
| 0.121 (5/5/2021) | 0.49 (9/30/2014) | (0.121 - 0.49)/(34 - 7) | -0.0136667 |
| 0.131 (9/2/2021) | 0.49 (9/30/2014) | (0.131 - 0.49)/(35 - 7) | -0.0128214 |
| ND<0.03 U (11/23/2021) | 0.49 (9/30/2014) | (0.03 - 0.49)/(36 - 7) | -0.0158621 |
| 0.126 (1/10/2022) | 0.49 (9/30/2014) | (0.126 - 0.49)/(37 - 7) | -0.0121333 |
| 0.101 (4/7/2022) | 0.49 (9/30/2014) | (0.101 - 0.49)/(38 - 7) | -0.0125484 |
| 0.271 (8/3/2022) | 0.49 (9/30/2014) | (0.271 - 0.49)/(39 - 7) | -0.00684375 |
| 0.448 (11/16/2022) | 0.49 (9/30/2014) | (0.448 - 0.49)/(40 - 7) | -0.00127273 |
| 0.081 (2/13/2023) | 0.49 (9/30/2014) | (0.081 - 0.49)/(41 - 7) | -0.0120294 |
| 0.127 (5/24/2023) | 0.49 (9/30/2014) | (0.127 - 0.49)/(42 - 7) | -0.0103714 |
| 0.373 (8/7/2023) | 0.49 (9/30/2014) | (0.373 - 0.49)/(43 - 7) | -0.00325 |
| 0.752 (12/12/2023) | 0.49 (9/30/2014) | (0.752 - 0.49)/(44 - 7) | 0.00708108 |
| 0.299 (1/10/2024) | 0.49 (9/30/2014) | (0.299 - 0.49)/(45 - 7) | -0.00502632 |
| 0.12 (5/20/2024) | 0.49 (9/30/2014) | (0.12 - 0.49)/(46 - 7) | -0.00948718 |
| 0.57 (9/16/2024) | 0.49 (9/30/2014) | (0.57 - 0.49)/(47 - 7) | 0.002 |
| 0.499 (12/11/2024) | 0.49 (9/30/2014) | (0.499 - 0.49)/(48 - 7) | 0.000219512 |
| 0.108 (2/18/2025) | 0.49 (9/30/2014) | (0.108 - 0.49)/(49 - 7) | -0.00909524 |
| | | | |
| 0.13 (3/23/2015) | 0.41 (11/19/2014) | (0.13 - 0.41)/(9 - 8) | -0.28 |
| 0.11 (4/22/2015) | 0.41 (11/19/2014) | (0.11 - 0.41)/(10 - 8) | -0.15 |
| 0.664 (9/30/2015) | 0.41 (11/19/2014) | (0.664 - 0.41)/(11 - 8) | 0.0846667 |
| 0.261 (11/19/2015) | 0.41 (11/19/2014) | (0.261 - 0.41)/(12 - 8) | -0.03725 |

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|---|---|---|---|
| 0.068 (3/15/2016) | 0.41 (11/19/2014) | (0.068 - 0.41)/(13 - 8) | -0.0684 |
| 0.598 (6/29/2016) | 0.41 (11/19/2014) | (0.598 - 0.41)/(14 - 8) | 0.0313333 |
| 0.482 (8/9/2016) | 0.41 (11/19/2014) | (0.482 - 0.41)/(15 - 8) | 0.0102857 |
| 0.45 (12/7/2016) | 0.41 (11/19/2014) | (0.45 - 0.41)/(16 - 8) | 0.005 |
| 0.267 (3/2/2017) | 0.41 (11/19/2014) | (0.267 - 0.41)/(17 - 8) | -0.0158889 |
| 0.226 (6/21/2017) | 0.41 (11/19/2014) | (0.226 - 0.41)/(18 - 8) | -0.0184 |
| 0.258 (8/17/2017) | 0.41 (11/19/2014) | (0.258 - 0.41)/(19 - 8) | -0.0138182 |
| 0.226 (10/26/2017) | 0.41 (11/19/2014) | (0.226 - 0.41)/(20 - 8) | -0.0153333 |
| 0.162 (3/27/2018) | 0.41 (11/19/2014) | (0.162 - 0.41)/(21 - 8) | -0.0190769 |
| 0.23 (6/26/2018) | 0.41 (11/19/2014) | (0.23 - 0.41)/(22 - 8) | -0.0128571 |
| 0.285 (8/1/2018) | 0.41 (11/19/2014) | (0.285 - 0.41)/(23 - 8) | -0.00833333 |
| 0.066 (12/11/2018) | 0.41 (11/19/2014) | (0.066 - 0.41)/(24 - 8) | -0.0215 |
| 0.061 (4/17/2019) | 0.41 (11/19/2014) | (0.061 - 0.41)/(25 - 8) | -0.0205294 |
| 0.206 (6/11/2019) | 0.41 (11/19/2014) | (0.206 - 0.41)/(26 - 8) | -0.0113333 |
| 0.404 (8/28/2019) | 0.41 (11/19/2014) | (0.404 - 0.41)/(27 - 8) | -0.000315789 |
| 0.523 (10/28/2019) | 0.41 (11/19/2014) | (0.523 - 0.41)/(28 - 8) | 0.00565 |
| 0.032 (3/31/2020) | 0.41 (11/19/2014) | (0.032 - 0.41)/(29 - 8) | -0.018 |
| 0.248 (6/10/2020) | 0.41 (11/19/2014) | (0.248 - 0.41)/(30 - 8) | -0.00736364 |
| 0.248 (6/10/2020) | 0.41 (11/19/2014) | (0.248 - 0.41)/(30 - 8) | -0.00736364 |
| 0.491 (9/21/2020) | 0.41 (11/19/2014) | (0.491 - 0.41)/(31 - 8) | 0.00352174 |
| 0.087 (12/17/2020) | 0.41 (11/19/2014) | (0.087 - 0.41)/(32 - 8) | -0.0134583 |
| 0.05 (3/18/2021) | 0.41 (11/19/2014) | (0.05 - 0.41)/(33 - 8) | -0.0144 |
| 0.121 (5/5/2021) | 0.41 (11/19/2014) | (0.121 - 0.41)/(34 - 8) | -0.0111154 |
| 0.131 (9/2/2021) | 0.41 (11/19/2014) | (0.131 - 0.41)/(35 - 8) | -0.0103333 |
| ND<0.03 U (11/23/2021) | 0.41 (11/19/2014) | (0.03 - 0.41)/(36 - 8) | -0.0135714 |
| 0.126 (1/10/2022) | 0.41 (11/19/2014) | (0.126 - 0.41)/(37 - 8) | -0.0097931 |
| 0.101 (4/7/2022) | 0.41 (11/19/2014) | (0.101 - 0.41)/(38 - 8) | -0.0103 |
| 0.271 (8/3/2022) | 0.41 (11/19/2014) | (0.271 - 0.41)/(39 - 8) | -0.00448387 |
| 0.448 (11/16/2022) | 0.41 (11/19/2014) | (0.448 - 0.41)/(40 - 8) | 0.0011875 |
| 0.081 (2/13/2023) | 0.41 (11/19/2014) | (0.081 - 0.41)/(41 - 8) | -0.0099697 |
| 0.127 (5/24/2023) | 0.41 (11/19/2014) | (0.127 - 0.41)/(42 - 8) | -0.00832353 |
| 0.373 (8/7/2023) | 0.41 (11/19/2014) | (0.373 - 0.41)/(43 - 8) | -0.00105714 |
| 0.752 (12/12/2023) | 0.41 (11/19/2014) | (0.752 - 0.41)/(44 - 8) | 0.0095 |
| 0.299 (1/10/2024) | 0.41 (11/19/2014) | (0.299 - 0.41)/(45 - 8) | -0.003 |
| 0.12 (5/20/2024) | 0.41 (11/19/2014) | (0.12 - 0.41)/(46 - 8) | -0.00763158 |
| 0.57 (9/16/2024) | 0.41 (11/19/2014) | (0.57 - 0.41)/(47 - 8) | 0.00410256 |
| 0.499 (12/11/2024) | 0.41 (11/19/2014) | (0.499 - 0.41)/(48 - 8) | 0.002225 |
| 0.108 (2/18/2025) | 0.41 (11/19/2014) | (0.108 - 0.41)/(49 - 8) | -0.00736585 |
| | | | |
| 0.11 (4/22/2015) | 0.13 (3/23/2015) | (0.11 - 0.13)/(10 - 9) | -0.02 |
| 0.664 (9/30/2015) | 0.13 (3/23/2015) | (0.664 - 0.13)/(11 - 9) | 0.267 |
| 0.261 (11/19/2015) | 0.13 (3/23/2015) | (0.261 - 0.13)/(12 - 9) | 0.0436667 |
| 0.068 (3/15/2016) | 0.13 (3/23/2015) | (0.068 - 0.13)/(13 - 9) | -0.0155 |
| 0.598 (6/29/2016) | 0.13 (3/23/2015) | (0.598 - 0.13)/(14 - 9) | 0.0936 |
| 0.482 (8/9/2016) | 0.13 (3/23/2015) | (0.482 - 0.13)/(15 - 9) | 0.0586667 |
| 0.45 (12/7/2016) | 0.13 (3/23/2015) | (0.45 - 0.13)/(16 - 9) | 0.0457143 |
| 0.267 (3/2/2017) | 0.13 (3/23/2015) | (0.267 - 0.13)/(17 - 9) | 0.017125 |
| 0.226 (6/21/2017) | 0.13 (3/23/2015) | (0.226 - 0.13)/(18 - 9) | 0.0106667 |
| 0.258 (8/17/2017) | 0.13 (3/23/2015) | (0.258 - 0.13)/(19 - 9) | 0.0128 |
| 0.226 (10/26/2017) | 0.13 (3/23/2015) | (0.226 - 0.13)/(20 - 9) | 0.00872727 |
| 0.162 (3/27/2018) | 0.13 (3/23/2015) | (0.162 - 0.13)/(21 - 9) | 0.00266667 |
| 0.23 (6/26/2018) | 0.13 (3/23/2015) | (0.23 - 0.13)/(22 - 9) | 0.00769231 |
| 0.285 (8/1/2018) | 0.13 (3/23/2015) | (0.285 - 0.13)/(23 - 9) | 0.0110714 |
| 0.066 (12/11/2018) | 0.13 (3/23/2015) | (0.066 - 0.13)/(24 - 9) | -0.00426667 |
| 0.061 (4/17/2019) | 0.13 (3/23/2015) | (0.061 - 0.13)/(25 - 9) | -0.0043125 |
| 0.206 (6/11/2019) | 0.13 (3/23/2015) | (0.206 - 0.13)/(26 - 9) | 0.00447059 |
| 0.404 (8/28/2019) | 0.13 (3/23/2015) | (0.404 - 0.13)/(27 - 9) | 0.0152222 |

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|---|---|---|---|
| 0.523 (10/28/2019) | 0.13 (3/23/2015) | (0.523 - 0.13)/(28 - 9) | 0.0206842 |
| 0.032 (3/31/2020) | 0.13 (3/23/2015) | (0.032 - 0.13)/(29 - 9) | -0.0049 |
| 0.248 (6/10/2020) | 0.13 (3/23/2015) | (0.248 - 0.13)/(30 - 9) | 0.00561905 |
| 0.248 (6/10/2020) | 0.13 (3/23/2015) | (0.248 - 0.13)/(30 - 9) | 0.00561905 |
| 0.491 (9/21/2020) | 0.13 (3/23/2015) | (0.491 - 0.13)/(31 - 9) | 0.0164091 |
| 0.087 (12/17/2020) | 0.13 (3/23/2015) | (0.087 - 0.13)/(32 - 9) | -0.00186957 |
| 0.05 (3/18/2021) | 0.13 (3/23/2015) | (0.05 - 0.13)/(33 - 9) | -0.00333333 |
| 0.121 (5/5/2021) | 0.13 (3/23/2015) | (0.121 - 0.13)/(34 - 9) | -0.00036 |
| 0.131 (9/2/2021) | 0.13 (3/23/2015) | (0.131 - 0.13)/(35 - 9) | 3.84615e-05 |
| ND<0.03 U (11/23/2021) | 0.13 (3/23/2015) | (0.03 - 0.13)/(36 - 9) | -0.0037037 |
| 0.126 (1/10/2022) | 0.13 (3/23/2015) | (0.126 - 0.13)/(37 - 9) | -0.000142857 |
| 0.101 (4/7/2022) | 0.13 (3/23/2015) | (0.101 - 0.13)/(38 - 9) | -0.001 |
| 0.271 (8/3/2022) | 0.13 (3/23/2015) | (0.271 - 0.13)/(39 - 9) | 0.0047 |
| 0.448 (11/16/2022) | 0.13 (3/23/2015) | (0.448 - 0.13)/(40 - 9) | 0.0102581 |
| 0.081 (2/13/2023) | 0.13 (3/23/2015) | (0.081 - 0.13)/(41 - 9) | -0.00153125 |
| 0.127 (5/24/2023) | 0.13 (3/23/2015) | (0.127 - 0.13)/(42 - 9) | -9.09091e-05 |
| 0.373 (8/7/2023) | 0.13 (3/23/2015) | (0.373 - 0.13)/(43 - 9) | 0.00714706 |
| 0.752 (12/12/2023) | 0.13 (3/23/2015) | (0.752 - 0.13)/(44 - 9) | 0.0177714 |
| 0.299 (1/10/2024) | 0.13 (3/23/2015) | (0.299 - 0.13)/(45 - 9) | 0.00469444 |
| 0.12 (5/20/2024) | 0.13 (3/23/2015) | (0.12 - 0.13)/(46 - 9) | -0.00027027 |
| 0.57 (9/16/2024) | 0.13 (3/23/2015) | (0.57 - 0.13)/(47 - 9) | 0.0115789 |
| 0.499 (12/11/2024) | 0.13 (3/23/2015) | (0.499 - 0.13)/(48 - 9) | 0.00946154 |
| 0.108 (2/18/2025) | 0.13 (3/23/2015) | (0.108 - 0.13)/(49 - 9) | -0.00055 |
| | | | |
| 0.664 (9/30/2015) | 0.11 (4/22/2015) | (0.664 - 0.11)/(11 - 10) | 0.554 |
| 0.261 (11/19/2015) | 0.11 (4/22/2015) | (0.261 - 0.11)/(12 - 10) | 0.0755 |
| 0.068 (3/15/2016) | 0.11 (4/22/2015) | (0.068 - 0.11)/(13 - 10) | -0.014 |
| 0.598 (6/29/2016) | 0.11 (4/22/2015) | (0.598 - 0.11)/(14 - 10) | 0.122 |
| 0.482 (8/9/2016) | 0.11 (4/22/2015) | (0.482 - 0.11)/(15 - 10) | 0.0744 |
| 0.45 (12/7/2016) | 0.11 (4/22/2015) | (0.45 - 0.11)/(16 - 10) | 0.0566667 |
| 0.267 (3/2/2017) | 0.11 (4/22/2015) | (0.267 - 0.11)/(17 - 10) | 0.0224286 |
| 0.226 (6/21/2017) | 0.11 (4/22/2015) | (0.226 - 0.11)/(18 - 10) | 0.0145 |
| 0.258 (8/17/2017) | 0.11 (4/22/2015) | (0.258 - 0.11)/(19 - 10) | 0.0164444 |
| 0.226 (10/26/2017) | 0.11 (4/22/2015) | (0.226 - 0.11)/(20 - 10) | 0.0116 |
| 0.162 (3/27/2018) | 0.11 (4/22/2015) | (0.162 - 0.11)/(21 - 10) | 0.00472727 |
| 0.23 (6/26/2018) | 0.11 (4/22/2015) | (0.23 - 0.11)/(22 - 10) | 0.01 |
| 0.285 (8/1/2018) | 0.11 (4/22/2015) | (0.285 - 0.11)/(23 - 10) | 0.0134615 |
| 0.066 (12/11/2018) | 0.11 (4/22/2015) | (0.066 - 0.11)/(24 - 10) | -0.00314286 |
| 0.061 (4/17/2019) | 0.11 (4/22/2015) | (0.061 - 0.11)/(25 - 10) | -0.00326667 |
| 0.206 (6/11/2019) | 0.11 (4/22/2015) | (0.206 - 0.11)/(26 - 10) | 0.006 |
| 0.404 (8/28/2019) | 0.11 (4/22/2015) | (0.404 - 0.11)/(27 - 10) | 0.0172941 |
| 0.523 (10/28/2019) | 0.11 (4/22/2015) | (0.523 - 0.11)/(28 - 10) | 0.0229444 |
| 0.032 (3/31/2020) | 0.11 (4/22/2015) | (0.032 - 0.11)/(29 - 10) | -0.00410526 |
| 0.248 (6/10/2020) | 0.11 (4/22/2015) | (0.248 - 0.11)/(30 - 10) | 0.0069 |
| 0.248 (6/10/2020) | 0.11 (4/22/2015) | (0.248 - 0.11)/(30 - 10) | 0.0069 |
| 0.491 (9/21/2020) | 0.11 (4/22/2015) | (0.491 - 0.11)/(31 - 10) | 0.0181429 |
| 0.087 (12/17/2020) | 0.11 (4/22/2015) | (0.087 - 0.11)/(32 - 10) | -0.00104545 |
| 0.05 (3/18/2021) | 0.11 (4/22/2015) | (0.05 - 0.11)/(33 - 10) | -0.0026087 |
| 0.121 (5/5/2021) | 0.11 (4/22/2015) | (0.121 - 0.11)/(34 - 10) | 0.000458333 |
| 0.131 (9/2/2021) | 0.11 (4/22/2015) | (0.131 - 0.11)/(35 - 10) | 0.00084 |
| ND<0.03 U (11/23/2021) | 0.11 (4/22/2015) | (0.03 - 0.11)/(36 - 10) | -0.00307692 |
| 0.126 (1/10/2022) | 0.11 (4/22/2015) | (0.126 - 0.11)/(37 - 10) | 0.000592593 |
| 0.101 (4/7/2022) | 0.11 (4/22/2015) | (0.101 - 0.11)/(38 - 10) | -0.000321429 |
| 0.271 (8/3/2022) | 0.11 (4/22/2015) | (0.271 - 0.11)/(39 - 10) | 0.00555172 |
| 0.448 (11/16/2022) | 0.11 (4/22/2015) | (0.448 - 0.11)/(40 - 10) | 0.0112667 |
| 0.081 (2/13/2023) | 0.11 (4/22/2015) | (0.081 - 0.11)/(41 - 10) | -0.000935484 |
| 0.127 (5/24/2023) | 0.11 (4/22/2015) | (0.127 - 0.11)/(42 - 10) | 0.00053125 |

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|---|---|---|---|
| 0.373 (8/7/2023) | 0.11 (4/22/2015) | (0.373 - 0.11)/(43 - 10) | 0.0079697 |
| 0.752 (12/12/2023) | 0.11 (4/22/2015) | (0.752 - 0.11)/(44 - 10) | 0.0188824 |
| 0.299 (1/10/2024) | 0.11 (4/22/2015) | (0.299 - 0.11)/(45 - 10) | 0.0054 |
| 0.12 (5/20/2024) | 0.11 (4/22/2015) | (0.12 - 0.11)/(46 - 10) | 0.000277778 |
| 0.57 (9/16/2024) | 0.11 (4/22/2015) | (0.57 - 0.11)/(47 - 10) | 0.0124324 |
| 0.499 (12/11/2024) | 0.11 (4/22/2015) | (0.499 - 0.11)/(48 - 10) | 0.0102368 |
| 0.108 (2/18/2025) | 0.11 (4/22/2015) | (0.108 - 0.11)/(49 - 10) | -5.12821e-05 |
| | | | |
| 0.261 (11/19/2015) | 0.664 (9/30/2015) | (0.261 - 0.664)/(12 - 11) | -0.403 |
| 0.068 (3/15/2016) | 0.664 (9/30/2015) | (0.068 - 0.664)/(13 - 11) | -0.298 |
| 0.598 (6/29/2016) | 0.664 (9/30/2015) | (0.598 - 0.664)/(14 - 11) | -0.022 |
| 0.482 (8/9/2016) | 0.664 (9/30/2015) | (0.482 - 0.664)/(15 - 11) | -0.0455 |
| 0.45 (12/7/2016) | 0.664 (9/30/2015) | (0.45 - 0.664)/(16 - 11) | -0.0428 |
| 0.267 (3/2/2017) | 0.664 (9/30/2015) | (0.267 - 0.664)/(17 - 11) | -0.0661667 |
| 0.226 (6/21/2017) | 0.664 (9/30/2015) | (0.226 - 0.664)/(18 - 11) | -0.0625714 |
| 0.258 (8/17/2017) | 0.664 (9/30/2015) | (0.258 - 0.664)/(19 - 11) | -0.05075 |
| 0.226 (10/26/2017) | 0.664 (9/30/2015) | (0.226 - 0.664)/(20 - 11) | -0.0486667 |
| 0.162 (3/27/2018) | 0.664 (9/30/2015) | (0.162 - 0.664)/(21 - 11) | -0.0502 |
| 0.23 (6/26/2018) | 0.664 (9/30/2015) | (0.23 - 0.664)/(22 - 11) | -0.0394545 |
| 0.285 (8/1/2018) | 0.664 (9/30/2015) | (0.285 - 0.664)/(23 - 11) | -0.0315833 |
| 0.066 (12/11/2018) | 0.664 (9/30/2015) | (0.066 - 0.664)/(24 - 11) | -0.046 |
| 0.061 (4/17/2019) | 0.664 (9/30/2015) | (0.061 - 0.664)/(25 - 11) | -0.0430714 |
| 0.206 (6/11/2019) | 0.664 (9/30/2015) | (0.206 - 0.664)/(26 - 11) | -0.0305333 |
| 0.404 (8/28/2019) | 0.664 (9/30/2015) | (0.404 - 0.664)/(27 - 11) | -0.01625 |
| 0.523 (10/28/2019) | 0.664 (9/30/2015) | (0.523 - 0.664)/(28 - 11) | -0.00829412 |
| 0.032 (3/31/2020) | 0.664 (9/30/2015) | (0.032 - 0.664)/(29 - 11) | -0.0351111 |
| 0.248 (6/10/2020) | 0.664 (9/30/2015) | (0.248 - 0.664)/(30 - 11) | -0.0218947 |
| 0.248 (6/10/2020) | 0.664 (9/30/2015) | (0.248 - 0.664)/(30 - 11) | -0.0218947 |
| 0.491 (9/21/2020) | 0.664 (9/30/2015) | (0.491 - 0.664)/(31 - 11) | -0.00865 |
| 0.087 (12/17/2020) | 0.664 (9/30/2015) | (0.087 - 0.664)/(32 - 11) | -0.0274762 |
| 0.05 (3/18/2021) | 0.664 (9/30/2015) | (0.05 - 0.664)/(33 - 11) | -0.0279091 |
| 0.121 (5/5/2021) | 0.664 (9/30/2015) | (0.121 - 0.664)/(34 - 11) | -0.0236087 |
| 0.131 (9/2/2021) | 0.664 (9/30/2015) | (0.131 - 0.664)/(35 - 11) | -0.0222083 |
| ND<0.03 U (11/23/2021) | 0.664 (9/30/2015) | (0.03 - 0.664)/(36 - 11) | -0.02536 |
| 0.126 (1/10/2022) | 0.664 (9/30/2015) | (0.126 - 0.664)/(37 - 11) | -0.0206923 |
| 0.101 (4/7/2022) | 0.664 (9/30/2015) | (0.101 - 0.664)/(38 - 11) | -0.0208519 |
| 0.271 (8/3/2022) | 0.664 (9/30/2015) | (0.271 - 0.664)/(39 - 11) | -0.0140357 |
| 0.448 (11/16/2022) | 0.664 (9/30/2015) | (0.448 - 0.664)/(40 - 11) | -0.00744828 |
| 0.081 (2/13/2023) | 0.664 (9/30/2015) | (0.081 - 0.664)/(41 - 11) | -0.0194333 |
| 0.127 (5/24/2023) | 0.664 (9/30/2015) | (0.127 - 0.664)/(42 - 11) | -0.0173226 |
| 0.373 (8/7/2023) | 0.664 (9/30/2015) | (0.373 - 0.664)/(43 - 11) | -0.00909375 |
| 0.752 (12/12/2023) | 0.664 (9/30/2015) | (0.752 - 0.664)/(44 - 11) | 0.00266667 |
| 0.299 (1/10/2024) | 0.664 (9/30/2015) | (0.299 - 0.664)/(45 - 11) | -0.0107353 |
| 0.12 (5/20/2024) | 0.664 (9/30/2015) | (0.12 - 0.664)/(46 - 11) | -0.0155429 |
| 0.57 (9/16/2024) | 0.664 (9/30/2015) | (0.57 - 0.664)/(47 - 11) | -0.00261111 |
| 0.499 (12/11/2024) | 0.664 (9/30/2015) | (0.499 - 0.664)/(48 - 11) | -0.00445946 |
| 0.108 (2/18/2025) | 0.664 (9/30/2015) | (0.108 - 0.664)/(49 - 11) | -0.0146316 |
| | | | |
| 0.068 (3/15/2016) | 0.261 (11/19/2015) | (0.068 - 0.261)/(13 - 12) | -0.193 |
| 0.598 (6/29/2016) | 0.261 (11/19/2015) | (0.598 - 0.261)/(14 - 12) | 0.1685 |
| 0.482 (8/9/2016) | 0.261 (11/19/2015) | (0.482 - 0.261)/(15 - 12) | 0.0736667 |
| 0.45 (12/7/2016) | 0.261 (11/19/2015) | (0.45 - 0.261)/(16 - 12) | 0.04725 |
| 0.267 (3/2/2017) | 0.261 (11/19/2015) | (0.267 - 0.261)/(17 - 12) | 0.0012 |
| 0.226 (6/21/2017) | 0.261 (11/19/2015) | (0.226 - 0.261)/(18 - 12) | -0.00583333 |
| 0.258 (8/17/2017) | 0.261 (11/19/2015) | (0.258 - 0.261)/(19 - 12) | -0.000428571 |
| 0.226 (10/26/2017) | 0.261 (11/19/2015) | (0.226 - 0.261)/(20 - 12) | -0.004375 |
| 0.162 (3/27/2018) | 0.261 (11/19/2015) | (0.162 - 0.261)/(21 - 12) | -0.011 |

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|---|---|---|---|
| 0.23 (6/26/2018) | 0.261 (11/19/2015) | (0.23 - 0.261)/(22 - 12) | -0.0031 |
| 0.285 (8/1/2018) | 0.261 (11/19/2015) | (0.285 - 0.261)/(23 - 12) | 0.00218182 |
| 0.066 (12/11/2018) | 0.261 (11/19/2015) | (0.066 - 0.261)/(24 - 12) | -0.01625 |
| 0.061 (4/17/2019) | 0.261 (11/19/2015) | (0.061 - 0.261)/(25 - 12) | -0.0153846 |
| 0.206 (6/11/2019) | 0.261 (11/19/2015) | (0.206 - 0.261)/(26 - 12) | -0.00392857 |
| 0.404 (8/28/2019) | 0.261 (11/19/2015) | (0.404 - 0.261)/(27 - 12) | 0.00953333 |
| 0.523 (10/28/2019) | 0.261 (11/19/2015) | (0.523 - 0.261)/(28 - 12) | 0.016375 |
| 0.032 (3/31/2020) | 0.261 (11/19/2015) | (0.032 - 0.261)/(29 - 12) | -0.0134706 |
| 0.248 (6/10/2020) | 0.261 (11/19/2015) | (0.248 - 0.261)/(30 - 12) | -0.000722222 |
| 0.248 (6/10/2020) | 0.261 (11/19/2015) | (0.248 - 0.261)/(30 - 12) | -0.000722222 |
| 0.491 (9/21/2020) | 0.261 (11/19/2015) | (0.491 - 0.261)/(31 - 12) | 0.0121053 |
| 0.087 (12/17/2020) | 0.261 (11/19/2015) | (0.087 - 0.261)/(32 - 12) | -0.0087 |
| 0.05 (3/18/2021) | 0.261 (11/19/2015) | (0.05 - 0.261)/(33 - 12) | -0.0100476 |
| 0.121 (5/5/2021) | 0.261 (11/19/2015) | (0.121 - 0.261)/(34 - 12) | -0.00636364 |
| 0.131 (9/2/2021) | 0.261 (11/19/2015) | (0.131 - 0.261)/(35 - 12) | -0.00565217 |
| ND<0.03 U (11/23/2021) | 0.261 (11/19/2015) | (0.03 - 0.261)/(36 - 12) | -0.009625 |
| 0.126 (1/10/2022) | 0.261 (11/19/2015) | (0.126 - 0.261)/(37 - 12) | -0.0054 |
| 0.101 (4/7/2022) | 0.261 (11/19/2015) | (0.101 - 0.261)/(38 - 12) | -0.00615385 |
| 0.271 (8/3/2022) | 0.261 (11/19/2015) | (0.271 - 0.261)/(39 - 12) | 0.00037037 |
| 0.448 (11/16/2022) | 0.261 (11/19/2015) | (0.448 - 0.261)/(40 - 12) | 0.00667857 |
| 0.081 (2/13/2023) | 0.261 (11/19/2015) | (0.081 - 0.261)/(41 - 12) | -0.0062069 |
| 0.127 (5/24/2023) | 0.261 (11/19/2015) | (0.127 - 0.261)/(42 - 12) | -0.00446667 |
| 0.373 (8/7/2023) | 0.261 (11/19/2015) | (0.373 - 0.261)/(43 - 12) | 0.0036129 |
| 0.752 (12/12/2023) | 0.261 (11/19/2015) | (0.752 - 0.261)/(44 - 12) | 0.0153437 |
| 0.299 (1/10/2024) | 0.261 (11/19/2015) | (0.299 - 0.261)/(45 - 12) | 0.00115152 |
| 0.12 (5/20/2024) | 0.261 (11/19/2015) | (0.12 - 0.261)/(46 - 12) | -0.00414706 |
| 0.57 (9/16/2024) | 0.261 (11/19/2015) | (0.57 - 0.261)/(47 - 12) | 0.00882857 |
| 0.499 (12/11/2024) | 0.261 (11/19/2015) | (0.499 - 0.261)/(48 - 12) | 0.00661111 |
| 0.108 (2/18/2025) | 0.261 (11/19/2015) | (0.108 - 0.261)/(49 - 12) | -0.00413514 |
| | | | |
| 0.598 (6/29/2016) | 0.068 (3/15/2016) | (0.598 - 0.068)/(14 - 13) | 0.53 |
| 0.482 (8/9/2016) | 0.068 (3/15/2016) | (0.482 - 0.068)/(15 - 13) | 0.207 |
| 0.45 (12/7/2016) | 0.068 (3/15/2016) | (0.45 - 0.068)/(16 - 13) | 0.127333 |
| 0.267 (3/2/2017) | 0.068 (3/15/2016) | (0.267 - 0.068)/(17 - 13) | 0.04975 |
| 0.226 (6/21/2017) | 0.068 (3/15/2016) | (0.226 - 0.068)/(18 - 13) | 0.0316 |
| 0.258 (8/17/2017) | 0.068 (3/15/2016) | (0.258 - 0.068)/(19 - 13) | 0.0316667 |
| 0.226 (10/26/2017) | 0.068 (3/15/2016) | (0.226 - 0.068)/(20 - 13) | 0.0225714 |
| 0.162 (3/27/2018) | 0.068 (3/15/2016) | (0.162 - 0.068)/(21 - 13) | 0.01175 |
| 0.23 (6/26/2018) | 0.068 (3/15/2016) | (0.23 - 0.068)/(22 - 13) | 0.018 |
| 0.285 (8/1/2018) | 0.068 (3/15/2016) | (0.285 - 0.068)/(23 - 13) | 0.0217 |
| 0.066 (12/11/2018) | 0.068 (3/15/2016) | (0.066 - 0.068)/(24 - 13) | -0.000181818 |
| 0.061 (4/17/2019) | 0.068 (3/15/2016) | (0.061 - 0.068)/(25 - 13) | -0.000583333 |
| 0.206 (6/11/2019) | 0.068 (3/15/2016) | (0.206 - 0.068)/(26 - 13) | 0.0106154 |
| 0.404 (8/28/2019) | 0.068 (3/15/2016) | (0.404 - 0.068)/(27 - 13) | 0.024 |
| 0.523 (10/28/2019) | 0.068 (3/15/2016) | (0.523 - 0.068)/(28 - 13) | 0.0303333 |
| 0.032 (3/31/2020) | 0.068 (3/15/2016) | (0.032 - 0.068)/(29 - 13) | -0.00225 |
| 0.248 (6/10/2020) | 0.068 (3/15/2016) | (0.248 - 0.068)/(30 - 13) | 0.0105882 |
| 0.248 (6/10/2020) | 0.068 (3/15/2016) | (0.248 - 0.068)/(30 - 13) | 0.0105882 |
| 0.491 (9/21/2020) | 0.068 (3/15/2016) | (0.491 - 0.068)/(31 - 13) | 0.0235 |
| 0.087 (12/17/2020) | 0.068 (3/15/2016) | (0.087 - 0.068)/(32 - 13) | 0.001 |
| 0.05 (3/18/2021) | 0.068 (3/15/2016) | (0.05 - 0.068)/(33 - 13) | -0.0009 |
| 0.121 (5/5/2021) | 0.068 (3/15/2016) | (0.121 - 0.068)/(34 - 13) | 0.00252381 |
| 0.131 (9/2/2021) | 0.068 (3/15/2016) | (0.131 - 0.068)/(35 - 13) | 0.00286364 |
| ND<0.03 U (11/23/2021) | 0.068 (3/15/2016) | (0.03 - 0.068)/(36 - 13) | -0.00165217 |
| 0.126 (1/10/2022) | 0.068 (3/15/2016) | (0.126 - 0.068)/(37 - 13) | 0.00241667 |
| 0.101 (4/7/2022) | 0.068 (3/15/2016) | (0.101 - 0.068)/(38 - 13) | 0.00132 |
| 0.271 (8/3/2022) | 0.068 (3/15/2016) | (0.271 - 0.068)/(39 - 13) | 0.00780769 |

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|---|---|---|---|
| 0.448 (11/16/2022) | 0.068 (3/15/2016) | (0.448 - 0.068)/(40 - 13) | 0.0140741 |
| 0.081 (2/13/2023) | 0.068 (3/15/2016) | (0.081 - 0.068)/(41 - 13) | 0.000464286 |
| 0.127 (5/24/2023) | 0.068 (3/15/2016) | (0.127 - 0.068)/(42 - 13) | 0.00203448 |
| 0.373 (8/7/2023) | 0.068 (3/15/2016) | (0.373 - 0.068)/(43 - 13) | 0.0101667 |
| 0.752 (12/12/2023) | 0.068 (3/15/2016) | (0.752 - 0.068)/(44 - 13) | 0.0220645 |
| 0.299 (1/10/2024) | 0.068 (3/15/2016) | (0.299 - 0.068)/(45 - 13) | 0.00721875 |
| 0.12 (5/20/2024) | 0.068 (3/15/2016) | (0.12 - 0.068)/(46 - 13) | 0.00157576 |
| 0.57 (9/16/2024) | 0.068 (3/15/2016) | (0.57 - 0.068)/(47 - 13) | 0.0147647 |
| 0.499 (12/11/2024) | 0.068 (3/15/2016) | (0.499 - 0.068)/(48 - 13) | 0.0123143 |
| 0.108 (2/18/2025) | 0.068 (3/15/2016) | (0.108 - 0.068)/(49 - 13) | 0.00111111 |
| | | | |
| 0.482 (8/9/2016) | 0.598 (6/29/2016) | (0.482 - 0.598)/(15 - 14) | -0.116 |
| 0.45 (12/7/2016) | 0.598 (6/29/2016) | (0.45 - 0.598)/(16 - 14) | -0.074 |
| 0.267 (3/2/2017) | 0.598 (6/29/2016) | (0.267 - 0.598)/(17 - 14) | -0.110333 |
| 0.226 (6/21/2017) | 0.598 (6/29/2016) | (0.226 - 0.598)/(18 - 14) | -0.093 |
| 0.258 (8/17/2017) | 0.598 (6/29/2016) | (0.258 - 0.598)/(19 - 14) | -0.068 |
| 0.226 (10/26/2017) | 0.598 (6/29/2016) | (0.226 - 0.598)/(20 - 14) | -0.062 |
| 0.162 (3/27/2018) | 0.598 (6/29/2016) | (0.162 - 0.598)/(21 - 14) | -0.0622857 |
| 0.23 (6/26/2018) | 0.598 (6/29/2016) | (0.23 - 0.598)/(22 - 14) | -0.046 |
| 0.285 (8/1/2018) | 0.598 (6/29/2016) | (0.285 - 0.598)/(23 - 14) | -0.0347778 |
| 0.066 (12/11/2018) | 0.598 (6/29/2016) | (0.066 - 0.598)/(24 - 14) | -0.0532 |
| 0.061 (4/17/2019) | 0.598 (6/29/2016) | (0.061 - 0.598)/(25 - 14) | -0.0488182 |
| 0.206 (6/11/2019) | 0.598 (6/29/2016) | (0.206 - 0.598)/(26 - 14) | -0.0326667 |
| 0.404 (8/28/2019) | 0.598 (6/29/2016) | (0.404 - 0.598)/(27 - 14) | -0.0149231 |
| 0.523 (10/28/2019) | 0.598 (6/29/2016) | (0.523 - 0.598)/(28 - 14) | -0.00535714 |
| 0.032 (3/31/2020) | 0.598 (6/29/2016) | (0.032 - 0.598)/(29 - 14) | -0.0377333 |
| 0.248 (6/10/2020) | 0.598 (6/29/2016) | (0.248 - 0.598)/(30 - 14) | -0.021875 |
| 0.248 (6/10/2020) | 0.598 (6/29/2016) | (0.248 - 0.598)/(30 - 14) | -0.021875 |
| 0.491 (9/21/2020) | 0.598 (6/29/2016) | (0.491 - 0.598)/(31 - 14) | -0.00629412 |
| 0.087 (12/17/2020) | 0.598 (6/29/2016) | (0.087 - 0.598)/(32 - 14) | -0.0283889 |
| 0.05 (3/18/2021) | 0.598 (6/29/2016) | (0.05 - 0.598)/(33 - 14) | -0.0288421 |
| 0.121 (5/5/2021) | 0.598 (6/29/2016) | (0.121 - 0.598)/(34 - 14) | -0.02385 |
| 0.131 (9/2/2021) | 0.598 (6/29/2016) | (0.131 - 0.598)/(35 - 14) | -0.0222381 |
| ND<0.03 U (11/23/2021) | 0.598 (6/29/2016) | (0.03 - 0.598)/(36 - 14) | -0.0258182 |
| 0.126 (1/10/2022) | 0.598 (6/29/2016) | (0.126 - 0.598)/(37 - 14) | -0.0205217 |
| 0.101 (4/7/2022) | 0.598 (6/29/2016) | (0.101 - 0.598)/(38 - 14) | -0.0207083 |
| 0.271 (8/3/2022) | 0.598 (6/29/2016) | (0.271 - 0.598)/(39 - 14) | -0.01308 |
| 0.448 (11/16/2022) | 0.598 (6/29/2016) | (0.448 - 0.598)/(40 - 14) | -0.00576923 |
| 0.081 (2/13/2023) | 0.598 (6/29/2016) | (0.081 - 0.598)/(41 - 14) | -0.0191481 |
| 0.127 (5/24/2023) | 0.598 (6/29/2016) | (0.127 - 0.598)/(42 - 14) | -0.0168214 |
| 0.373 (8/7/2023) | 0.598 (6/29/2016) | (0.373 - 0.598)/(43 - 14) | -0.00775862 |
| 0.752 (12/12/2023) | 0.598 (6/29/2016) | (0.752 - 0.598)/(44 - 14) | 0.00513333 |
| 0.299 (1/10/2024) | 0.598 (6/29/2016) | (0.299 - 0.598)/(45 - 14) | -0.00964516 |
| 0.12 (5/20/2024) | 0.598 (6/29/2016) | (0.12 - 0.598)/(46 - 14) | -0.0149375 |
| 0.57 (9/16/2024) | 0.598 (6/29/2016) | (0.57 - 0.598)/(47 - 14) | -0.000848485 |
| 0.499 (12/11/2024) | 0.598 (6/29/2016) | (0.499 - 0.598)/(48 - 14) | -0.00291176 |
| 0.108 (2/18/2025) | 0.598 (6/29/2016) | (0.108 - 0.598)/(49 - 14) | -0.014 |
| | | | |
| 0.45 (12/7/2016) | 0.482 (8/9/2016) | (0.45 - 0.482)/(16 - 15) | -0.032 |
| 0.267 (3/2/2017) | 0.482 (8/9/2016) | (0.267 - 0.482)/(17 - 15) | -0.1075 |
| 0.226 (6/21/2017) | 0.482 (8/9/2016) | (0.226 - 0.482)/(18 - 15) | -0.0853333 |
| 0.258 (8/17/2017) | 0.482 (8/9/2016) | (0.258 - 0.482)/(19 - 15) | -0.056 |
| 0.226 (10/26/2017) | 0.482 (8/9/2016) | (0.226 - 0.482)/(20 - 15) | -0.0512 |
| 0.162 (3/27/2018) | 0.482 (8/9/2016) | (0.162 - 0.482)/(21 - 15) | -0.0533333 |
| 0.23 (6/26/2018) | 0.482 (8/9/2016) | (0.23 - 0.482)/(22 - 15) | -0.036 |
| 0.285 (8/1/2018) | 0.482 (8/9/2016) | (0.285 - 0.482)/(23 - 15) | -0.024625 |
| 0.066 (12/11/2018) | 0.482 (8/9/2016) | (0.066 - 0.482)/(24 - 15) | -0.0462222 |

| | | | |
|---|---|---|---|
| 0.061 (4/17/2019) | 0.482 (8/9/2016) | (0.061 - 0.482)/(25 - 15) | -0.0421 |
| 0.206 (6/11/2019) | 0.482 (8/9/2016) | (0.206 - 0.482)/(26 - 15) | -0.0250909 |
| 0.404 (8/28/2019) | 0.482 (8/9/2016) | (0.404 - 0.482)/(27 - 15) | -0.0065 |
| 0.523 (10/28/2019) | 0.482 (8/9/2016) | (0.523 - 0.482)/(28 - 15) | 0.00315385 |
| 0.032 (3/31/2020) | 0.482 (8/9/2016) | (0.032 - 0.482)/(29 - 15) | -0.0321429 |
| 0.248 (6/10/2020) | 0.482 (8/9/2016) | (0.248 - 0.482)/(30 - 15) | -0.0156 |
| 0.248 (6/10/2020) | 0.482 (8/9/2016) | (0.248 - 0.482)/(30 - 15) | -0.0156 |
| 0.491 (9/21/2020) | 0.482 (8/9/2016) | (0.491 - 0.482)/(31 - 15) | 0.0005625 |
| 0.087 (12/17/2020) | 0.482 (8/9/2016) | (0.087 - 0.482)/(32 - 15) | -0.0232353 |
| 0.05 (3/18/2021) | 0.482 (8/9/2016) | (0.05 - 0.482)/(33 - 15) | -0.024 |
| 0.121 (5/5/2021) | 0.482 (8/9/2016) | (0.121 - 0.482)/(34 - 15) | -0.019 |
| 0.131 (9/2/2021) | 0.482 (8/9/2016) | (0.131 - 0.482)/(35 - 15) | -0.01755 |
| ND<0.03 U (11/23/2021) | 0.482 (8/9/2016) | (0.03 - 0.482)/(36 - 15) | -0.0215238 |
| 0.126 (1/10/2022) | 0.482 (8/9/2016) | (0.126 - 0.482)/(37 - 15) | -0.0161818 |
| 0.101 (4/7/2022) | 0.482 (8/9/2016) | (0.101 - 0.482)/(38 - 15) | -0.0165652 |
| 0.271 (8/3/2022) | 0.482 (8/9/2016) | (0.271 - 0.482)/(39 - 15) | -0.00879167 |
| 0.448 (11/16/2022) | 0.482 (8/9/2016) | (0.448 - 0.482)/(40 - 15) | -0.00136 |
| 0.081 (2/13/2023) | 0.482 (8/9/2016) | (0.081 - 0.482)/(41 - 15) | -0.0154231 |
| 0.127 (5/24/2023) | 0.482 (8/9/2016) | (0.127 - 0.482)/(42 - 15) | -0.0131481 |
| 0.373 (8/7/2023) | 0.482 (8/9/2016) | (0.373 - 0.482)/(43 - 15) | -0.00389286 |
| 0.752 (12/12/2023) | 0.482 (8/9/2016) | (0.752 - 0.482)/(44 - 15) | 0.00931034 |
| 0.299 (1/10/2024) | 0.482 (8/9/2016) | (0.299 - 0.482)/(45 - 15) | -0.0061 |
| 0.12 (5/20/2024) | 0.482 (8/9/2016) | (0.12 - 0.482)/(46 - 15) | -0.0116774 |
| 0.57 (9/16/2024) | 0.482 (8/9/2016) | (0.57 - 0.482)/(47 - 15) | 0.00275 |
| 0.499 (12/11/2024) | 0.482 (8/9/2016) | (0.499 - 0.482)/(48 - 15) | 0.000515152 |
| 0.108 (2/18/2025) | 0.482 (8/9/2016) | (0.108 - 0.482)/(49 - 15) | -0.011 |
| | | | |
| 0.267 (3/2/2017) | 0.45 (12/7/2016) | (0.267 - 0.45)/(17 - 16) | -0.183 |
| 0.226 (6/21/2017) | 0.45 (12/7/2016) | (0.226 - 0.45)/(18 - 16) | -0.112 |
| 0.258 (8/17/2017) | 0.45 (12/7/2016) | (0.258 - 0.45)/(19 - 16) | -0.064 |
| 0.226 (10/26/2017) | 0.45 (12/7/2016) | (0.226 - 0.45)/(20 - 16) | -0.056 |
| 0.162 (3/27/2018) | 0.45 (12/7/2016) | (0.162 - 0.45)/(21 - 16) | -0.0576 |
| 0.23 (6/26/2018) | 0.45 (12/7/2016) | (0.23 - 0.45)/(22 - 16) | -0.0366667 |
| 0.285 (8/1/2018) | 0.45 (12/7/2016) | (0.285 - 0.45)/(23 - 16) | -0.0235714 |
| 0.066 (12/11/2018) | 0.45 (12/7/2016) | (0.066 - 0.45)/(24 - 16) | -0.048 |
| 0.061 (4/17/2019) | 0.45 (12/7/2016) | (0.061 - 0.45)/(25 - 16) | -0.0432222 |
| 0.206 (6/11/2019) | 0.45 (12/7/2016) | (0.206 - 0.45)/(26 - 16) | -0.0244 |
| 0.404 (8/28/2019) | 0.45 (12/7/2016) | (0.404 - 0.45)/(27 - 16) | -0.00418182 |
| 0.523 (10/28/2019) | 0.45 (12/7/2016) | (0.523 - 0.45)/(28 - 16) | 0.00608333 |
| 0.032 (3/31/2020) | 0.45 (12/7/2016) | (0.032 - 0.45)/(29 - 16) | -0.0321538 |
| 0.248 (6/10/2020) | 0.45 (12/7/2016) | (0.248 - 0.45)/(30 - 16) | -0.0144286 |
| 0.248 (6/10/2020) | 0.45 (12/7/2016) | (0.248 - 0.45)/(30 - 16) | -0.0144286 |
| 0.491 (9/21/2020) | 0.45 (12/7/2016) | (0.491 - 0.45)/(31 - 16) | 0.00273333 |
| 0.087 (12/17/2020) | 0.45 (12/7/2016) | (0.087 - 0.45)/(32 - 16) | -0.0226875 |
| 0.05 (3/18/2021) | 0.45 (12/7/2016) | (0.05 - 0.45)/(33 - 16) | -0.0235294 |
| 0.121 (5/5/2021) | 0.45 (12/7/2016) | (0.121 - 0.45)/(34 - 16) | -0.0182778 |
| 0.131 (9/2/2021) | 0.45 (12/7/2016) | (0.131 - 0.45)/(35 - 16) | -0.0167895 |
| ND<0.03 U (11/23/2021) | 0.45 (12/7/2016) | (0.03 - 0.45)/(36 - 16) | -0.021 |
| 0.126 (1/10/2022) | 0.45 (12/7/2016) | (0.126 - 0.45)/(37 - 16) | -0.0154286 |
| 0.101 (4/7/2022) | 0.45 (12/7/2016) | (0.101 - 0.45)/(38 - 16) | -0.0158636 |
| 0.271 (8/3/2022) | 0.45 (12/7/2016) | (0.271 - 0.45)/(39 - 16) | -0.00778261 |
| 0.448 (11/16/2022) | 0.45 (12/7/2016) | (0.448 - 0.45)/(40 - 16) | -8.33333e-05 |
| 0.081 (2/13/2023) | 0.45 (12/7/2016) | (0.081 - 0.45)/(41 - 16) | -0.01476 |
| 0.127 (5/24/2023) | 0.45 (12/7/2016) | (0.127 - 0.45)/(42 - 16) | -0.0124231 |
| 0.373 (8/7/2023) | 0.45 (12/7/2016) | (0.373 - 0.45)/(43 - 16) | -0.00285185 |
| 0.752 (12/12/2023) | 0.45 (12/7/2016) | (0.752 - 0.45)/(44 - 16) | 0.0107857 |
| 0.299 (1/10/2024) | 0.45 (12/7/2016) | (0.299 - 0.45)/(45 - 16) | -0.0052069 |

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|---|---|---|---|
| 0.12 (5/20/2024) | 0.45 (12/7/2016) | (0.12 - 0.45)/(46 - 16) | -0.011 |
| 0.57 (9/16/2024) | 0.45 (12/7/2016) | (0.57 - 0.45)/(47 - 16) | 0.00387097 |
| 0.499 (12/11/2024) | 0.45 (12/7/2016) | (0.499 - 0.45)/(48 - 16) | 0.00153125 |
| 0.108 (2/18/2025) | 0.45 (12/7/2016) | (0.108 - 0.45)/(49 - 16) | -0.0103636 |
| | | | |
| 0.226 (6/21/2017) | 0.267 (3/2/2017) | (0.226 - 0.267)/(18 - 17) | -0.041 |
| 0.258 (8/17/2017) | 0.267 (3/2/2017) | (0.258 - 0.267)/(19 - 17) | -0.0045 |
| 0.226 (10/26/2017) | 0.267 (3/2/2017) | (0.226 - 0.267)/(20 - 17) | -0.0136667 |
| 0.162 (3/27/2018) | 0.267 (3/2/2017) | (0.162 - 0.267)/(21 - 17) | -0.02625 |
| 0.23 (6/26/2018) | 0.267 (3/2/2017) | (0.23 - 0.267)/(22 - 17) | -0.0074 |
| 0.285 (8/1/2018) | 0.267 (3/2/2017) | (0.285 - 0.267)/(23 - 17) | 0.003 |
| 0.066 (12/11/2018) | 0.267 (3/2/2017) | (0.066 - 0.267)/(24 - 17) | -0.0287143 |
| 0.061 (4/17/2019) | 0.267 (3/2/2017) | (0.061 - 0.267)/(25 - 17) | -0.02575 |
| 0.206 (6/11/2019) | 0.267 (3/2/2017) | (0.206 - 0.267)/(26 - 17) | -0.00677778 |
| 0.404 (8/28/2019) | 0.267 (3/2/2017) | (0.404 - 0.267)/(27 - 17) | 0.0137 |
| 0.523 (10/28/2019) | 0.267 (3/2/2017) | (0.523 - 0.267)/(28 - 17) | 0.0232727 |
| 0.032 (3/31/2020) | 0.267 (3/2/2017) | (0.032 - 0.267)/(29 - 17) | -0.0195833 |
| 0.248 (6/10/2020) | 0.267 (3/2/2017) | (0.248 - 0.267)/(30 - 17) | -0.00146154 |
| 0.248 (6/10/2020) | 0.267 (3/2/2017) | (0.248 - 0.267)/(30 - 17) | -0.00146154 |
| 0.491 (9/21/2020) | 0.267 (3/2/2017) | (0.491 - 0.267)/(31 - 17) | 0.016 |
| 0.087 (12/17/2020) | 0.267 (3/2/2017) | (0.087 - 0.267)/(32 - 17) | -0.012 |
| 0.05 (3/18/2021) | 0.267 (3/2/2017) | (0.05 - 0.267)/(33 - 17) | -0.0135625 |
| 0.121 (5/5/2021) | 0.267 (3/2/2017) | (0.121 - 0.267)/(34 - 17) | -0.00858824 |
| 0.131 (9/2/2021) | 0.267 (3/2/2017) | (0.131 - 0.267)/(35 - 17) | -0.00755556 |
| ND<0.03 U (11/23/2021) | 0.267 (3/2/2017) | (0.03 - 0.267)/(36 - 17) | -0.0124737 |
| 0.126 (1/10/2022) | 0.267 (3/2/2017) | (0.126 - 0.267)/(37 - 17) | -0.00705 |
| 0.101 (4/7/2022) | 0.267 (3/2/2017) | (0.101 - 0.267)/(38 - 17) | -0.00790476 |
| 0.271 (8/3/2022) | 0.267 (3/2/2017) | (0.271 - 0.267)/(39 - 17) | 0.000181818 |
| 0.448 (11/16/2022) | 0.267 (3/2/2017) | (0.448 - 0.267)/(40 - 17) | 0.00786957 |
| 0.081 (2/13/2023) | 0.267 (3/2/2017) | (0.081 - 0.267)/(41 - 17) | -0.00775 |
| 0.127 (5/24/2023) | 0.267 (3/2/2017) | (0.127 - 0.267)/(42 - 17) | -0.0056 |
| 0.373 (8/7/2023) | 0.267 (3/2/2017) | (0.373 - 0.267)/(43 - 17) | 0.00407692 |
| 0.752 (12/12/2023) | 0.267 (3/2/2017) | (0.752 - 0.267)/(44 - 17) | 0.017963 |
| 0.299 (1/10/2024) | 0.267 (3/2/2017) | (0.299 - 0.267)/(45 - 17) | 0.00114286 |
| 0.12 (5/20/2024) | 0.267 (3/2/2017) | (0.12 - 0.267)/(46 - 17) | -0.00506897 |
| 0.57 (9/16/2024) | 0.267 (3/2/2017) | (0.57 - 0.267)/(47 - 17) | 0.0101 |
| 0.499 (12/11/2024) | 0.267 (3/2/2017) | (0.499 - 0.267)/(48 - 17) | 0.00748387 |
| 0.108 (2/18/2025) | 0.267 (3/2/2017) | (0.108 - 0.267)/(49 - 17) | -0.00496875 |
| | | | |
| 0.258 (8/17/2017) | 0.226 (6/21/2017) | (0.258 - 0.226)/(19 - 18) | 0.032 |
| 0.226 (10/26/2017) | 0.226 (6/21/2017) | (0.226 - 0.226)/(20 - 18) | 0 |
| 0.162 (3/27/2018) | 0.226 (6/21/2017) | (0.162 - 0.226)/(21 - 18) | -0.0213333 |
| 0.23 (6/26/2018) | 0.226 (6/21/2017) | (0.23 - 0.226)/(22 - 18) | 0.001 |
| 0.285 (8/1/2018) | 0.226 (6/21/2017) | (0.285 - 0.226)/(23 - 18) | 0.0118 |
| 0.066 (12/11/2018) | 0.226 (6/21/2017) | (0.066 - 0.226)/(24 - 18) | -0.0266667 |
| 0.061 (4/17/2019) | 0.226 (6/21/2017) | (0.061 - 0.226)/(25 - 18) | -0.0235714 |
| 0.206 (6/11/2019) | 0.226 (6/21/2017) | (0.206 - 0.226)/(26 - 18) | -0.0025 |
| 0.404 (8/28/2019) | 0.226 (6/21/2017) | (0.404 - 0.226)/(27 - 18) | 0.0197778 |
| 0.523 (10/28/2019) | 0.226 (6/21/2017) | (0.523 - 0.226)/(28 - 18) | 0.0297 |
| 0.032 (3/31/2020) | 0.226 (6/21/2017) | (0.032 - 0.226)/(29 - 18) | -0.0176364 |
| 0.248 (6/10/2020) | 0.226 (6/21/2017) | (0.248 - 0.226)/(30 - 18) | 0.00183333 |
| 0.248 (6/10/2020) | 0.226 (6/21/2017) | (0.248 - 0.226)/(30 - 18) | 0.00183333 |
| 0.491 (9/21/2020) | 0.226 (6/21/2017) | (0.491 - 0.226)/(31 - 18) | 0.0203846 |
| 0.087 (12/17/2020) | 0.226 (6/21/2017) | (0.087 - 0.226)/(32 - 18) | -0.00992857 |
| 0.05 (3/18/2021) | 0.226 (6/21/2017) | (0.05 - 0.226)/(33 - 18) | -0.0117333 |
| 0.121 (5/5/2021) | 0.226 (6/21/2017) | (0.121 - 0.226)/(34 - 18) | -0.0065625 |
| 0.131 (9/2/2021) | 0.226 (6/21/2017) | (0.131 - 0.226)/(35 - 18) | -0.00558824 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | 0.226 (6/21/2017) | (0.03 - 0.226)/(36 - 18) | -0.0108889 |
| 0.126 (1/10/2022) | 0.226 (6/21/2017) | (0.126 - 0.226)/(37 - 18) | -0.00526316 |
| 0.101 (4/7/2022) | 0.226 (6/21/2017) | (0.101 - 0.226)/(38 - 18) | -0.00625 |
| 0.271 (8/3/2022) | 0.226 (6/21/2017) | (0.271 - 0.226)/(39 - 18) | 0.00214286 |
| 0.448 (11/16/2022) | 0.226 (6/21/2017) | (0.448 - 0.226)/(40 - 18) | 0.0100909 |
| 0.081 (2/13/2023) | 0.226 (6/21/2017) | (0.081 - 0.226)/(41 - 18) | -0.00630435 |
| 0.127 (5/24/2023) | 0.226 (6/21/2017) | (0.127 - 0.226)/(42 - 18) | -0.004125 |
| 0.373 (8/7/2023) | 0.226 (6/21/2017) | (0.373 - 0.226)/(43 - 18) | 0.00588 |
| 0.752 (12/12/2023) | 0.226 (6/21/2017) | (0.752 - 0.226)/(44 - 18) | 0.0202308 |
| 0.299 (1/10/2024) | 0.226 (6/21/2017) | (0.299 - 0.226)/(45 - 18) | 0.0027037 |
| 0.12 (5/20/2024) | 0.226 (6/21/2017) | (0.12 - 0.226)/(46 - 18) | -0.00378571 |
| 0.57 (9/16/2024) | 0.226 (6/21/2017) | (0.57 - 0.226)/(47 - 18) | 0.0118621 |
| 0.499 (12/11/2024) | 0.226 (6/21/2017) | (0.499 - 0.226)/(48 - 18) | 0.0091 |
| 0.108 (2/18/2025) | 0.226 (6/21/2017) | (0.108 - 0.226)/(49 - 18) | -0.00380645 |
| | | | |
| 0.226 (10/26/2017) | 0.258 (8/17/2017) | (0.226 - 0.258)/(20 - 19) | -0.032 |
| 0.162 (3/27/2018) | 0.258 (8/17/2017) | (0.162 - 0.258)/(21 - 19) | -0.048 |
| 0.23 (6/26/2018) | 0.258 (8/17/2017) | (0.23 - 0.258)/(22 - 19) | -0.00933333 |
| 0.285 (8/1/2018) | 0.258 (8/17/2017) | (0.285 - 0.258)/(23 - 19) | 0.00675 |
| 0.066 (12/11/2018) | 0.258 (8/17/2017) | (0.066 - 0.258)/(24 - 19) | -0.0384 |
| 0.061 (4/17/2019) | 0.258 (8/17/2017) | (0.061 - 0.258)/(25 - 19) | -0.0328333 |
| 0.206 (6/11/2019) | 0.258 (8/17/2017) | (0.206 - 0.258)/(26 - 19) | -0.00742857 |
| 0.404 (8/28/2019) | 0.258 (8/17/2017) | (0.404 - 0.258)/(27 - 19) | 0.01825 |
| 0.523 (10/28/2019) | 0.258 (8/17/2017) | (0.523 - 0.258)/(28 - 19) | 0.0294444 |
| 0.032 (3/31/2020) | 0.258 (8/17/2017) | (0.032 - 0.258)/(29 - 19) | -0.0226 |
| 0.248 (6/10/2020) | 0.258 (8/17/2017) | (0.248 - 0.258)/(30 - 19) | -0.000909091 |
| 0.248 (6/10/2020) | 0.258 (8/17/2017) | (0.248 - 0.258)/(30 - 19) | -0.000909091 |
| 0.491 (9/21/2020) | 0.258 (8/17/2017) | (0.491 - 0.258)/(31 - 19) | 0.0194167 |
| 0.087 (12/17/2020) | 0.258 (8/17/2017) | (0.087 - 0.258)/(32 - 19) | -0.0131538 |
| 0.05 (3/18/2021) | 0.258 (8/17/2017) | (0.05 - 0.258)/(33 - 19) | -0.0148571 |
| 0.121 (5/5/2021) | 0.258 (8/17/2017) | (0.121 - 0.258)/(34 - 19) | -0.00913333 |
| 0.131 (9/2/2021) | 0.258 (8/17/2017) | (0.131 - 0.258)/(35 - 19) | -0.0079375 |
| ND<0.03 U (11/23/2021) | 0.258 (8/17/2017) | (0.03 - 0.258)/(36 - 19) | -0.0134118 |
| 0.126 (1/10/2022) | 0.258 (8/17/2017) | (0.126 - 0.258)/(37 - 19) | -0.00733333 |
| 0.101 (4/7/2022) | 0.258 (8/17/2017) | (0.101 - 0.258)/(38 - 19) | -0.00826316 |
| 0.271 (8/3/2022) | 0.258 (8/17/2017) | (0.271 - 0.258)/(39 - 19) | 0.00065 |
| 0.448 (11/16/2022) | 0.258 (8/17/2017) | (0.448 - 0.258)/(40 - 19) | 0.00904762 |
| 0.081 (2/13/2023) | 0.258 (8/17/2017) | (0.081 - 0.258)/(41 - 19) | -0.00804545 |
| 0.127 (5/24/2023) | 0.258 (8/17/2017) | (0.127 - 0.258)/(42 - 19) | -0.00569565 |
| 0.373 (8/7/2023) | 0.258 (8/17/2017) | (0.373 - 0.258)/(43 - 19) | 0.00479167 |
| 0.752 (12/12/2023) | 0.258 (8/17/2017) | (0.752 - 0.258)/(44 - 19) | 0.01976 |
| 0.299 (1/10/2024) | 0.258 (8/17/2017) | (0.299 - 0.258)/(45 - 19) | 0.00157692 |
| 0.12 (5/20/2024) | 0.258 (8/17/2017) | (0.12 - 0.258)/(46 - 19) | -0.00511111 |
| 0.57 (9/16/2024) | 0.258 (8/17/2017) | (0.57 - 0.258)/(47 - 19) | 0.0111429 |
| 0.499 (12/11/2024) | 0.258 (8/17/2017) | (0.499 - 0.258)/(48 - 19) | 0.00831034 |
| 0.108 (2/18/2025) | 0.258 (8/17/2017) | (0.108 - 0.258)/(49 - 19) | -0.005 |
| | | | |
| 0.162 (3/27/2018) | 0.226 (10/26/2017) | (0.162 - 0.226)/(21 - 20) | -0.064 |
| 0.23 (6/26/2018) | 0.226 (10/26/2017) | (0.23 - 0.226)/(22 - 20) | 0.002 |
| 0.285 (8/1/2018) | 0.226 (10/26/2017) | (0.285 - 0.226)/(23 - 20) | 0.0196667 |
| 0.066 (12/11/2018) | 0.226 (10/26/2017) | (0.066 - 0.226)/(24 - 20) | -0.04 |
| 0.061 (4/17/2019) | 0.226 (10/26/2017) | (0.061 - 0.226)/(25 - 20) | -0.033 |
| 0.206 (6/11/2019) | 0.226 (10/26/2017) | (0.206 - 0.226)/(26 - 20) | -0.00333333 |
| 0.404 (8/28/2019) | 0.226 (10/26/2017) | (0.404 - 0.226)/(27 - 20) | 0.0254286 |
| 0.523 (10/28/2019) | 0.226 (10/26/2017) | (0.523 - 0.226)/(28 - 20) | 0.037125 |
| 0.032 (3/31/2020) | 0.226 (10/26/2017) | (0.032 - 0.226)/(29 - 20) | -0.0215556 |
| 0.248 (6/10/2020) | 0.226 (10/26/2017) | (0.248 - 0.226)/(30 - 20) | 0.0022 |

| | | | |
|---|---|---|---|
| 0.248 (6/10/2020) | 0.226 (10/26/2017) | (0.248 - 0.226)/(30 - 20) | 0.0022 |
| 0.491 (9/21/2020) | 0.226 (10/26/2017) | (0.491 - 0.226)/(31 - 20) | 0.0240909 |
| 0.087 (12/17/2020) | 0.226 (10/26/2017) | (0.087 - 0.226)/(32 - 20) | -0.0115833 |
| 0.05 (3/18/2021) | 0.226 (10/26/2017) | (0.05 - 0.226)/(33 - 20) | -0.0135385 |
| 0.121 (5/5/2021) | 0.226 (10/26/2017) | (0.121 - 0.226)/(34 - 20) | -0.0075 |
| 0.131 (9/2/2021) | 0.226 (10/26/2017) | (0.131 - 0.226)/(35 - 20) | -0.00633333 |
| ND<0.03 U (11/23/2021) | 0.226 (10/26/2017) | (0.03 - 0.226)/(36 - 20) | -0.01225 |
| 0.126 (1/10/2022) | 0.226 (10/26/2017) | (0.126 - 0.226)/(37 - 20) | -0.00588235 |
| 0.101 (4/7/2022) | 0.226 (10/26/2017) | (0.101 - 0.226)/(38 - 20) | -0.00694444 |
| 0.271 (8/3/2022) | 0.226 (10/26/2017) | (0.271 - 0.226)/(39 - 20) | 0.00236842 |
| 0.448 (11/16/2022) | 0.226 (10/26/2017) | (0.448 - 0.226)/(40 - 20) | 0.0111 |
| 0.081 (2/13/2023) | 0.226 (10/26/2017) | (0.081 - 0.226)/(41 - 20) | -0.00690476 |
| 0.127 (5/24/2023) | 0.226 (10/26/2017) | (0.127 - 0.226)/(42 - 20) | -0.0045 |
| 0.373 (8/7/2023) | 0.226 (10/26/2017) | (0.373 - 0.226)/(43 - 20) | 0.0063913 |
| 0.752 (12/12/2023) | 0.226 (10/26/2017) | (0.752 - 0.226)/(44 - 20) | 0.0219167 |
| 0.299 (1/10/2024) | 0.226 (10/26/2017) | (0.299 - 0.226)/(45 - 20) | 0.00292 |
| 0.12 (5/20/2024) | 0.226 (10/26/2017) | (0.12 - 0.226)/(46 - 20) | -0.00407692 |
| 0.57 (9/16/2024) | 0.226 (10/26/2017) | (0.57 - 0.226)/(47 - 20) | 0.0127407 |
| 0.499 (12/11/2024) | 0.226 (10/26/2017) | (0.499 - 0.226)/(48 - 20) | 0.00975 |
| 0.108 (2/18/2025) | 0.226 (10/26/2017) | (0.108 - 0.226)/(49 - 20) | -0.00406897 |
| | | | |
| 0.23 (6/26/2018) | 0.162 (3/27/2018) | (0.23 - 0.162)/(22 - 21) | 0.068 |
| 0.285 (8/1/2018) | 0.162 (3/27/2018) | (0.285 - 0.162)/(23 - 21) | 0.0615 |
| 0.066 (12/11/2018) | 0.162 (3/27/2018) | (0.066 - 0.162)/(24 - 21) | -0.032 |
| 0.061 (4/17/2019) | 0.162 (3/27/2018) | (0.061 - 0.162)/(25 - 21) | -0.02525 |
| 0.206 (6/11/2019) | 0.162 (3/27/2018) | (0.206 - 0.162)/(26 - 21) | 0.0088 |
| 0.404 (8/28/2019) | 0.162 (3/27/2018) | (0.404 - 0.162)/(27 - 21) | 0.0403333 |
| 0.523 (10/28/2019) | 0.162 (3/27/2018) | (0.523 - 0.162)/(28 - 21) | 0.0515714 |
| 0.032 (3/31/2020) | 0.162 (3/27/2018) | (0.032 - 0.162)/(29 - 21) | -0.01625 |
| 0.248 (6/10/2020) | 0.162 (3/27/2018) | (0.248 - 0.162)/(30 - 21) | 0.00955556 |
| 0.248 (6/10/2020) | 0.162 (3/27/2018) | (0.248 - 0.162)/(30 - 21) | 0.00955556 |
| 0.491 (9/21/2020) | 0.162 (3/27/2018) | (0.491 - 0.162)/(31 - 21) | 0.0329 |
| 0.087 (12/17/2020) | 0.162 (3/27/2018) | (0.087 - 0.162)/(32 - 21) | -0.00681818 |
| 0.05 (3/18/2021) | 0.162 (3/27/2018) | (0.05 - 0.162)/(33 - 21) | -0.00933333 |
| 0.121 (5/5/2021) | 0.162 (3/27/2018) | (0.121 - 0.162)/(34 - 21) | -0.00315385 |
| 0.131 (9/2/2021) | 0.162 (3/27/2018) | (0.131 - 0.162)/(35 - 21) | -0.00221429 |
| ND<0.03 U (11/23/2021) | 0.162 (3/27/2018) | (0.03 - 0.162)/(36 - 21) | -0.0088 |
| 0.126 (1/10/2022) | 0.162 (3/27/2018) | (0.126 - 0.162)/(37 - 21) | -0.00225 |
| 0.101 (4/7/2022) | 0.162 (3/27/2018) | (0.101 - 0.162)/(38 - 21) | -0.00358824 |
| 0.271 (8/3/2022) | 0.162 (3/27/2018) | (0.271 - 0.162)/(39 - 21) | 0.00605556 |
| 0.448 (11/16/2022) | 0.162 (3/27/2018) | (0.448 - 0.162)/(40 - 21) | 0.0150526 |
| 0.081 (2/13/2023) | 0.162 (3/27/2018) | (0.081 - 0.162)/(41 - 21) | -0.00405 |
| 0.127 (5/24/2023) | 0.162 (3/27/2018) | (0.127 - 0.162)/(42 - 21) | -0.00166667 |
| 0.373 (8/7/2023) | 0.162 (3/27/2018) | (0.373 - 0.162)/(43 - 21) | 0.00959091 |
| 0.752 (12/12/2023) | 0.162 (3/27/2018) | (0.752 - 0.162)/(44 - 21) | 0.0256522 |
| 0.299 (1/10/2024) | 0.162 (3/27/2018) | (0.299 - 0.162)/(45 - 21) | 0.00570833 |
| 0.12 (5/20/2024) | 0.162 (3/27/2018) | (0.12 - 0.162)/(46 - 21) | -0.00168 |
| 0.57 (9/16/2024) | 0.162 (3/27/2018) | (0.57 - 0.162)/(47 - 21) | 0.0156923 |
| 0.499 (12/11/2024) | 0.162 (3/27/2018) | (0.499 - 0.162)/(48 - 21) | 0.0124815 |
| 0.108 (2/18/2025) | 0.162 (3/27/2018) | (0.108 - 0.162)/(49 - 21) | -0.00192857 |
| | | | |
| 0.285 (8/1/2018) | 0.23 (6/26/2018) | (0.285 - 0.23)/(23 - 22) | 0.055 |
| 0.066 (12/11/2018) | 0.23 (6/26/2018) | (0.066 - 0.23)/(24 - 22) | -0.082 |
| 0.061 (4/17/2019) | 0.23 (6/26/2018) | (0.061 - 0.23)/(25 - 22) | -0.0563333 |
| 0.206 (6/11/2019) | 0.23 (6/26/2018) | (0.206 - 0.23)/(26 - 22) | -0.006 |
| 0.404 (8/28/2019) | 0.23 (6/26/2018) | (0.404 - 0.23)/(27 - 22) | 0.0348 |
| 0.523 (10/28/2019) | 0.23 (6/26/2018) | (0.523 - 0.23)/(28 - 22) | 0.0488333 |

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|---|---|---|---|
| 0.032 (3/31/2020) | 0.23 (6/26/2018) | (0.032 - 0.23)/(29 - 22) | -0.0282857 |
| 0.248 (6/10/2020) | 0.23 (6/26/2018) | (0.248 - 0.23)/(30 - 22) | 0.00225 |
| 0.248 (6/10/2020) | 0.23 (6/26/2018) | (0.248 - 0.23)/(30 - 22) | 0.00225 |
| 0.491 (9/21/2020) | 0.23 (6/26/2018) | (0.491 - 0.23)/(31 - 22) | 0.029 |
| 0.087 (12/17/2020) | 0.23 (6/26/2018) | (0.087 - 0.23)/(32 - 22) | -0.0143 |
| 0.05 (3/18/2021) | 0.23 (6/26/2018) | (0.05 - 0.23)/(33 - 22) | -0.0163636 |
| 0.121 (5/5/2021) | 0.23 (6/26/2018) | (0.121 - 0.23)/(34 - 22) | -0.00908333 |
| 0.131 (9/2/2021) | 0.23 (6/26/2018) | (0.131 - 0.23)/(35 - 22) | -0.00761538 |
| ND<0.03 U (11/23/2021) | 0.23 (6/26/2018) | (0.03 - 0.23)/(36 - 22) | -0.0142857 |
| 0.126 (1/10/2022) | 0.23 (6/26/2018) | (0.126 - 0.23)/(37 - 22) | -0.00693333 |
| 0.101 (4/7/2022) | 0.23 (6/26/2018) | (0.101 - 0.23)/(38 - 22) | -0.0080625 |
| 0.271 (8/3/2022) | 0.23 (6/26/2018) | (0.271 - 0.23)/(39 - 22) | 0.00241176 |
| 0.448 (11/16/2022) | 0.23 (6/26/2018) | (0.448 - 0.23)/(40 - 22) | 0.0121111 |
| 0.081 (2/13/2023) | 0.23 (6/26/2018) | (0.081 - 0.23)/(41 - 22) | -0.00784211 |
| 0.127 (5/24/2023) | 0.23 (6/26/2018) | (0.127 - 0.23)/(42 - 22) | -0.00515 |
| 0.373 (8/7/2023) | 0.23 (6/26/2018) | (0.373 - 0.23)/(43 - 22) | 0.00680952 |
| 0.752 (12/12/2023) | 0.23 (6/26/2018) | (0.752 - 0.23)/(44 - 22) | 0.0237273 |
| 0.299 (1/10/2024) | 0.23 (6/26/2018) | (0.299 - 0.23)/(45 - 22) | 0.003 |
| 0.12 (5/20/2024) | 0.23 (6/26/2018) | (0.12 - 0.23)/(46 - 22) | -0.00458333 |
| 0.57 (9/16/2024) | 0.23 (6/26/2018) | (0.57 - 0.23)/(47 - 22) | 0.0136 |
| 0.499 (12/11/2024) | 0.23 (6/26/2018) | (0.499 - 0.23)/(48 - 22) | 0.0103462 |
| 0.108 (2/18/2025) | 0.23 (6/26/2018) | (0.108 - 0.23)/(49 - 22) | -0.00451852 |
| | | | |
| 0.066 (12/11/2018) | 0.285 (8/1/2018) | (0.066 - 0.285)/(24 - 23) | -0.219 |
| 0.061 (4/17/2019) | 0.285 (8/1/2018) | (0.061 - 0.285)/(25 - 23) | -0.112 |
| 0.206 (6/11/2019) | 0.285 (8/1/2018) | (0.206 - 0.285)/(26 - 23) | -0.0263333 |
| 0.404 (8/28/2019) | 0.285 (8/1/2018) | (0.404 - 0.285)/(27 - 23) | 0.02975 |
| 0.523 (10/28/2019) | 0.285 (8/1/2018) | (0.523 - 0.285)/(28 - 23) | 0.0476 |
| 0.032 (3/31/2020) | 0.285 (8/1/2018) | (0.032 - 0.285)/(29 - 23) | -0.0421667 |
| 0.248 (6/10/2020) | 0.285 (8/1/2018) | (0.248 - 0.285)/(30 - 23) | -0.00528571 |
| 0.248 (6/10/2020) | 0.285 (8/1/2018) | (0.248 - 0.285)/(30 - 23) | -0.00528571 |
| 0.491 (9/21/2020) | 0.285 (8/1/2018) | (0.491 - 0.285)/(31 - 23) | 0.02575 |
| 0.087 (12/17/2020) | 0.285 (8/1/2018) | (0.087 - 0.285)/(32 - 23) | -0.022 |
| 0.05 (3/18/2021) | 0.285 (8/1/2018) | (0.05 - 0.285)/(33 - 23) | -0.0235 |
| 0.121 (5/5/2021) | 0.285 (8/1/2018) | (0.121 - 0.285)/(34 - 23) | -0.0149091 |
| 0.131 (9/2/2021) | 0.285 (8/1/2018) | (0.131 - 0.285)/(35 - 23) | -0.0128333 |
| ND<0.03 U (11/23/2021) | 0.285 (8/1/2018) | (0.03 - 0.285)/(36 - 23) | -0.0196154 |
| 0.126 (1/10/2022) | 0.285 (8/1/2018) | (0.126 - 0.285)/(37 - 23) | -0.0113571 |
| 0.101 (4/7/2022) | 0.285 (8/1/2018) | (0.101 - 0.285)/(38 - 23) | -0.0122667 |
| 0.271 (8/3/2022) | 0.285 (8/1/2018) | (0.271 - 0.285)/(39 - 23) | -0.000875 |
| 0.448 (11/16/2022) | 0.285 (8/1/2018) | (0.448 - 0.285)/(40 - 23) | 0.00958824 |
| 0.081 (2/13/2023) | 0.285 (8/1/2018) | (0.081 - 0.285)/(41 - 23) | -0.0113333 |
| 0.127 (5/24/2023) | 0.285 (8/1/2018) | (0.127 - 0.285)/(42 - 23) | -0.00831579 |
| 0.373 (8/7/2023) | 0.285 (8/1/2018) | (0.373 - 0.285)/(43 - 23) | 0.0044 |
| 0.752 (12/12/2023) | 0.285 (8/1/2018) | (0.752 - 0.285)/(44 - 23) | 0.0222381 |
| 0.299 (1/10/2024) | 0.285 (8/1/2018) | (0.299 - 0.285)/(45 - 23) | 0.000636364 |
| 0.12 (5/20/2024) | 0.285 (8/1/2018) | (0.12 - 0.285)/(46 - 23) | -0.00717391 |
| 0.57 (9/16/2024) | 0.285 (8/1/2018) | (0.57 - 0.285)/(47 - 23) | 0.011875 |
| 0.499 (12/11/2024) | 0.285 (8/1/2018) | (0.499 - 0.285)/(48 - 23) | 0.00856 |
| 0.108 (2/18/2025) | 0.285 (8/1/2018) | (0.108 - 0.285)/(49 - 23) | -0.00680769 |
| | | | |
| 0.061 (4/17/2019) | 0.066 (12/11/2018) | (0.061 - 0.066)/(25 - 24) | -0.005 |
| 0.206 (6/11/2019) | 0.066 (12/11/2018) | (0.206 - 0.066)/(26 - 24) | 0.07 |
| 0.404 (8/28/2019) | 0.066 (12/11/2018) | (0.404 - 0.066)/(27 - 24) | 0.112667 |
| 0.523 (10/28/2019) | 0.066 (12/11/2018) | (0.523 - 0.066)/(28 - 24) | 0.11425 |
| 0.032 (3/31/2020) | 0.066 (12/11/2018) | (0.032 - 0.066)/(29 - 24) | -0.0068 |
| 0.248 (6/10/2020) | 0.066 (12/11/2018) | (0.248 - 0.066)/(30 - 24) | 0.0303333 |

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|---|---|---|---|
| 0.248 (6/10/2020) | 0.066 (12/11/2018) | (0.248 - 0.066)/(30 - 24) | 0.0303333 |
| 0.491 (9/21/2020) | 0.066 (12/11/2018) | (0.491 - 0.066)/(31 - 24) | 0.0607143 |
| 0.087 (12/17/2020) | 0.066 (12/11/2018) | (0.087 - 0.066)/(32 - 24) | 0.002625 |
| 0.05 (3/18/2021) | 0.066 (12/11/2018) | (0.05 - 0.066)/(33 - 24) | -0.00177778 |
| 0.121 (5/5/2021) | 0.066 (12/11/2018) | (0.121 - 0.066)/(34 - 24) | 0.0055 |
| 0.131 (9/2/2021) | 0.066 (12/11/2018) | (0.131 - 0.066)/(35 - 24) | 0.00590909 |
| ND<0.03 U (11/23/2021) | 0.066 (12/11/2018) | (0.03 - 0.066)/(36 - 24) | -0.003 |
| 0.126 (1/10/2022) | 0.066 (12/11/2018) | (0.126 - 0.066)/(37 - 24) | 0.00461538 |
| 0.101 (4/7/2022) | 0.066 (12/11/2018) | (0.101 - 0.066)/(38 - 24) | 0.0025 |
| 0.271 (8/3/2022) | 0.066 (12/11/2018) | (0.271 - 0.066)/(39 - 24) | 0.0136667 |
| 0.448 (11/16/2022) | 0.066 (12/11/2018) | (0.448 - 0.066)/(40 - 24) | 0.023875 |
| 0.081 (2/13/2023) | 0.066 (12/11/2018) | (0.081 - 0.066)/(41 - 24) | 0.000882353 |
| 0.127 (5/24/2023) | 0.066 (12/11/2018) | (0.127 - 0.066)/(42 - 24) | 0.00338889 |
| 0.373 (8/7/2023) | 0.066 (12/11/2018) | (0.373 - 0.066)/(43 - 24) | 0.0161579 |
| 0.752 (12/12/2023) | 0.066 (12/11/2018) | (0.752 - 0.066)/(44 - 24) | 0.0343 |
| 0.299 (1/10/2024) | 0.066 (12/11/2018) | (0.299 - 0.066)/(45 - 24) | 0.0110952 |
| 0.12 (5/20/2024) | 0.066 (12/11/2018) | (0.12 - 0.066)/(46 - 24) | 0.00245455 |
| 0.57 (9/16/2024) | 0.066 (12/11/2018) | (0.57 - 0.066)/(47 - 24) | 0.021913 |
| 0.499 (12/11/2024) | 0.066 (12/11/2018) | (0.499 - 0.066)/(48 - 24) | 0.0180417 |
| 0.108 (2/18/2025) | 0.066 (12/11/2018) | (0.108 - 0.066)/(49 - 24) | 0.00168 |
| | | | |
| 0.206 (6/11/2019) | 0.061 (4/17/2019) | (0.206 - 0.061)/(26 - 25) | 0.145 |
| 0.404 (8/28/2019) | 0.061 (4/17/2019) | (0.404 - 0.061)/(27 - 25) | 0.1715 |
| 0.523 (10/28/2019) | 0.061 (4/17/2019) | (0.523 - 0.061)/(28 - 25) | 0.154 |
| 0.032 (3/31/2020) | 0.061 (4/17/2019) | (0.032 - 0.061)/(29 - 25) | -0.00725 |
| 0.248 (6/10/2020) | 0.061 (4/17/2019) | (0.248 - 0.061)/(30 - 25) | 0.0374 |
| 0.248 (6/10/2020) | 0.061 (4/17/2019) | (0.248 - 0.061)/(30 - 25) | 0.0374 |
| 0.491 (9/21/2020) | 0.061 (4/17/2019) | (0.491 - 0.061)/(31 - 25) | 0.0716667 |
| 0.087 (12/17/2020) | 0.061 (4/17/2019) | (0.087 - 0.061)/(32 - 25) | 0.00371429 |
| 0.05 (3/18/2021) | 0.061 (4/17/2019) | (0.05 - 0.061)/(33 - 25) | -0.001375 |
| 0.121 (5/5/2021) | 0.061 (4/17/2019) | (0.121 - 0.061)/(34 - 25) | 0.00666667 |
| 0.131 (9/2/2021) | 0.061 (4/17/2019) | (0.131 - 0.061)/(35 - 25) | 0.007 |
| ND<0.03 U (11/23/2021) | 0.061 (4/17/2019) | (0.03 - 0.061)/(36 - 25) | -0.00281818 |
| 0.126 (1/10/2022) | 0.061 (4/17/2019) | (0.126 - 0.061)/(37 - 25) | 0.00541667 |
| 0.101 (4/7/2022) | 0.061 (4/17/2019) | (0.101 - 0.061)/(38 - 25) | 0.00307692 |
| 0.271 (8/3/2022) | 0.061 (4/17/2019) | (0.271 - 0.061)/(39 - 25) | 0.015 |
| 0.448 (11/16/2022) | 0.061 (4/17/2019) | (0.448 - 0.061)/(40 - 25) | 0.0258 |
| 0.081 (2/13/2023) | 0.061 (4/17/2019) | (0.081 - 0.061)/(41 - 25) | 0.00125 |
| 0.127 (5/24/2023) | 0.061 (4/17/2019) | (0.127 - 0.061)/(42 - 25) | 0.00388235 |
| 0.373 (8/7/2023) | 0.061 (4/17/2019) | (0.373 - 0.061)/(43 - 25) | 0.0173333 |
| 0.752 (12/12/2023) | 0.061 (4/17/2019) | (0.752 - 0.061)/(44 - 25) | 0.0363684 |
| 0.299 (1/10/2024) | 0.061 (4/17/2019) | (0.299 - 0.061)/(45 - 25) | 0.0119 |
| 0.12 (5/20/2024) | 0.061 (4/17/2019) | (0.12 - 0.061)/(46 - 25) | 0.00280952 |
| 0.57 (9/16/2024) | 0.061 (4/17/2019) | (0.57 - 0.061)/(47 - 25) | 0.0231364 |
| 0.499 (12/11/2024) | 0.061 (4/17/2019) | (0.499 - 0.061)/(48 - 25) | 0.0190435 |
| 0.108 (2/18/2025) | 0.061 (4/17/2019) | (0.108 - 0.061)/(49 - 25) | 0.00195833 |
| | | | |
| 0.404 (8/28/2019) | 0.206 (6/11/2019) | (0.404 - 0.206)/(27 - 26) | 0.198 |
| 0.523 (10/28/2019) | 0.206 (6/11/2019) | (0.523 - 0.206)/(28 - 26) | 0.1585 |
| 0.032 (3/31/2020) | 0.206 (6/11/2019) | (0.032 - 0.206)/(29 - 26) | -0.058 |
| 0.248 (6/10/2020) | 0.206 (6/11/2019) | (0.248 - 0.206)/(30 - 26) | 0.0105 |
| 0.248 (6/10/2020) | 0.206 (6/11/2019) | (0.248 - 0.206)/(30 - 26) | 0.0105 |
| 0.491 (9/21/2020) | 0.206 (6/11/2019) | (0.491 - 0.206)/(31 - 26) | 0.057 |
| 0.087 (12/17/2020) | 0.206 (6/11/2019) | (0.087 - 0.206)/(32 - 26) | -0.0198333 |
| 0.05 (3/18/2021) | 0.206 (6/11/2019) | (0.05 - 0.206)/(33 - 26) | -0.0222857 |
| 0.121 (5/5/2021) | 0.206 (6/11/2019) | (0.121 - 0.206)/(34 - 26) | -0.010625 |
| 0.131 (9/2/2021) | 0.206 (6/11/2019) | (0.131 - 0.206)/(35 - 26) | -0.00833333 |

| | | | |
|---|---|---|---|
| ND<0.03 U (11/23/2021) | 0.206 (6/11/2019) | (0.03 - 0.206)/(36 - 26) | -0.0176 |
| 0.126 (1/10/2022) | 0.206 (6/11/2019) | (0.126 - 0.206)/(37 - 26) | -0.00727273 |
| 0.101 (4/7/2022) | 0.206 (6/11/2019) | (0.101 - 0.206)/(38 - 26) | -0.00875 |
| 0.271 (8/3/2022) | 0.206 (6/11/2019) | (0.271 - 0.206)/(39 - 26) | 0.005 |
| 0.448 (11/16/2022) | 0.206 (6/11/2019) | (0.448 - 0.206)/(40 - 26) | 0.0172857 |
| 0.081 (2/13/2023) | 0.206 (6/11/2019) | (0.081 - 0.206)/(41 - 26) | -0.00833333 |
| 0.127 (5/24/2023) | 0.206 (6/11/2019) | (0.127 - 0.206)/(42 - 26) | -0.0049375 |
| 0.373 (8/7/2023) | 0.206 (6/11/2019) | (0.373 - 0.206)/(43 - 26) | 0.00982353 |
| 0.752 (12/12/2023) | 0.206 (6/11/2019) | (0.752 - 0.206)/(44 - 26) | 0.0303333 |
| 0.299 (1/10/2024) | 0.206 (6/11/2019) | (0.299 - 0.206)/(45 - 26) | 0.00489474 |
| 0.12 (5/20/2024) | 0.206 (6/11/2019) | (0.12 - 0.206)/(46 - 26) | -0.0043 |
| 0.57 (9/16/2024) | 0.206 (6/11/2019) | (0.57 - 0.206)/(47 - 26) | 0.0173333 |
| 0.499 (12/11/2024) | 0.206 (6/11/2019) | (0.499 - 0.206)/(48 - 26) | 0.0133182 |
| 0.108 (2/18/2025) | 0.206 (6/11/2019) | (0.108 - 0.206)/(49 - 26) | -0.00426087 |
| | | | |
| 0.523 (10/28/2019) | 0.404 (8/28/2019) | (0.523 - 0.404)/(28 - 27) | 0.119 |
| 0.032 (3/31/2020) | 0.404 (8/28/2019) | (0.032 - 0.404)/(29 - 27) | -0.186 |
| 0.248 (6/10/2020) | 0.404 (8/28/2019) | (0.248 - 0.404)/(30 - 27) | -0.052 |
| 0.248 (6/10/2020) | 0.404 (8/28/2019) | (0.248 - 0.404)/(30 - 27) | -0.052 |
| 0.491 (9/21/2020) | 0.404 (8/28/2019) | (0.491 - 0.404)/(31 - 27) | 0.02175 |
| 0.087 (12/17/2020) | 0.404 (8/28/2019) | (0.087 - 0.404)/(32 - 27) | -0.0634 |
| 0.05 (3/18/2021) | 0.404 (8/28/2019) | (0.05 - 0.404)/(33 - 27) | -0.059 |
| 0.121 (5/5/2021) | 0.404 (8/28/2019) | (0.121 - 0.404)/(34 - 27) | -0.0404286 |
| 0.131 (9/2/2021) | 0.404 (8/28/2019) | (0.131 - 0.404)/(35 - 27) | -0.034125 |
| ND<0.03 U (11/23/2021) | 0.404 (8/28/2019) | (0.03 - 0.404)/(36 - 27) | -0.0415556 |
| 0.126 (1/10/2022) | 0.404 (8/28/2019) | (0.126 - 0.404)/(37 - 27) | -0.0278 |
| 0.101 (4/7/2022) | 0.404 (8/28/2019) | (0.101 - 0.404)/(38 - 27) | -0.0275455 |
| 0.271 (8/3/2022) | 0.404 (8/28/2019) | (0.271 - 0.404)/(39 - 27) | -0.0110833 |
| 0.448 (11/16/2022) | 0.404 (8/28/2019) | (0.448 - 0.404)/(40 - 27) | 0.00338462 |
| 0.081 (2/13/2023) | 0.404 (8/28/2019) | (0.081 - 0.404)/(41 - 27) | -0.0230714 |
| 0.127 (5/24/2023) | 0.404 (8/28/2019) | (0.127 - 0.404)/(42 - 27) | -0.0184667 |
| 0.373 (8/7/2023) | 0.404 (8/28/2019) | (0.373 - 0.404)/(43 - 27) | -0.0019375 |
| 0.752 (12/12/2023) | 0.404 (8/28/2019) | (0.752 - 0.404)/(44 - 27) | 0.0204706 |
| 0.299 (1/10/2024) | 0.404 (8/28/2019) | (0.299 - 0.404)/(45 - 27) | -0.00583333 |
| 0.12 (5/20/2024) | 0.404 (8/28/2019) | (0.12 - 0.404)/(46 - 27) | -0.0149474 |
| 0.57 (9/16/2024) | 0.404 (8/28/2019) | (0.57 - 0.404)/(47 - 27) | 0.0083 |
| 0.499 (12/11/2024) | 0.404 (8/28/2019) | (0.499 - 0.404)/(48 - 27) | 0.00452381 |
| 0.108 (2/18/2025) | 0.404 (8/28/2019) | (0.108 - 0.404)/(49 - 27) | -0.0134545 |
| | | | |
| 0.032 (3/31/2020) | 0.523 (10/28/2019) | (0.032 - 0.523)/(29 - 28) | -0.491 |
| 0.248 (6/10/2020) | 0.523 (10/28/2019) | (0.248 - 0.523)/(30 - 28) | -0.1375 |
| 0.248 (6/10/2020) | 0.523 (10/28/2019) | (0.248 - 0.523)/(30 - 28) | -0.1375 |
| 0.491 (9/21/2020) | 0.523 (10/28/2019) | (0.491 - 0.523)/(31 - 28) | -0.0106667 |
| 0.087 (12/17/2020) | 0.523 (10/28/2019) | (0.087 - 0.523)/(32 - 28) | -0.109 |
| 0.05 (3/18/2021) | 0.523 (10/28/2019) | (0.05 - 0.523)/(33 - 28) | -0.0946 |
| 0.121 (5/5/2021) | 0.523 (10/28/2019) | (0.121 - 0.523)/(34 - 28) | -0.067 |
| 0.131 (9/2/2021) | 0.523 (10/28/2019) | (0.131 - 0.523)/(35 - 28) | -0.056 |
| ND<0.03 U (11/23/2021) | 0.523 (10/28/2019) | (0.03 - 0.523)/(36 - 28) | -0.061625 |
| 0.126 (1/10/2022) | 0.523 (10/28/2019) | (0.126 - 0.523)/(37 - 28) | -0.0441111 |
| 0.101 (4/7/2022) | 0.523 (10/28/2019) | (0.101 - 0.523)/(38 - 28) | -0.0422 |
| 0.271 (8/3/2022) | 0.523 (10/28/2019) | (0.271 - 0.523)/(39 - 28) | -0.0229091 |
| 0.448 (11/16/2022) | 0.523 (10/28/2019) | (0.448 - 0.523)/(40 - 28) | -0.00625 |
| 0.081 (2/13/2023) | 0.523 (10/28/2019) | (0.081 - 0.523)/(41 - 28) | -0.034 |
| 0.127 (5/24/2023) | 0.523 (10/28/2019) | (0.127 - 0.523)/(42 - 28) | -0.0282857 |
| 0.373 (8/7/2023) | 0.523 (10/28/2019) | (0.373 - 0.523)/(43 - 28) | -0.01 |
| 0.752 (12/12/2023) | 0.523 (10/28/2019) | (0.752 - 0.523)/(44 - 28) | 0.0143125 |
| 0.299 (1/10/2024) | 0.523 (10/28/2019) | (0.299 - 0.523)/(45 - 28) | -0.0131765 |

| | | | |
|---|---|---|---|
| 0.12 (5/20/2024) | 0.523 (10/28/2019) | (0.12 - 0.523)/(46 - 28) | -0.0223889 |
| 0.57 (9/16/2024) | 0.523 (10/28/2019) | (0.57 - 0.523)/(47 - 28) | 0.00247368 |
| 0.499 (12/11/2024) | 0.523 (10/28/2019) | (0.499 - 0.523)/(48 - 28) | -0.0012 |
| 0.108 (2/18/2025) | 0.523 (10/28/2019) | (0.108 - 0.523)/(49 - 28) | -0.0197619 |
| | | | |
| 0.248 (6/10/2020) | 0.032 (3/31/2020) | (0.248 - 0.032)/(30 - 29) | 0.216 |
| 0.248 (6/10/2020) | 0.032 (3/31/2020) | (0.248 - 0.032)/(30 - 29) | 0.216 |
| 0.491 (9/21/2020) | 0.032 (3/31/2020) | (0.491 - 0.032)/(31 - 29) | 0.2295 |
| 0.087 (12/17/2020) | 0.032 (3/31/2020) | (0.087 - 0.032)/(32 - 29) | 0.0183333 |
| 0.05 (3/18/2021) | 0.032 (3/31/2020) | (0.05 - 0.032)/(33 - 29) | 0.0045 |
| 0.121 (5/5/2021) | 0.032 (3/31/2020) | (0.121 - 0.032)/(34 - 29) | 0.0178 |
| 0.131 (9/2/2021) | 0.032 (3/31/2020) | (0.131 - 0.032)/(35 - 29) | 0.0165 |
| ND<0.03 U (11/23/2021) | 0.032 (3/31/2020) | (0.03 - 0.032)/(36 - 29) | -0.000285714 |
| 0.126 (1/10/2022) | 0.032 (3/31/2020) | (0.126 - 0.032)/(37 - 29) | 0.01175 |
| 0.101 (4/7/2022) | 0.032 (3/31/2020) | (0.101 - 0.032)/(38 - 29) | 0.00766667 |
| 0.271 (8/3/2022) | 0.032 (3/31/2020) | (0.271 - 0.032)/(39 - 29) | 0.0239 |
| 0.448 (11/16/2022) | 0.032 (3/31/2020) | (0.448 - 0.032)/(40 - 29) | 0.0378182 |
| 0.081 (2/13/2023) | 0.032 (3/31/2020) | (0.081 - 0.032)/(41 - 29) | 0.00408333 |
| 0.127 (5/24/2023) | 0.032 (3/31/2020) | (0.127 - 0.032)/(42 - 29) | 0.00730769 |
| 0.373 (8/7/2023) | 0.032 (3/31/2020) | (0.373 - 0.032)/(43 - 29) | 0.0243571 |
| 0.752 (12/12/2023) | 0.032 (3/31/2020) | (0.752 - 0.032)/(44 - 29) | 0.048 |
| 0.299 (1/10/2024) | 0.032 (3/31/2020) | (0.299 - 0.032)/(45 - 29) | 0.0166875 |
| 0.12 (5/20/2024) | 0.032 (3/31/2020) | (0.12 - 0.032)/(46 - 29) | 0.00517647 |
| 0.57 (9/16/2024) | 0.032 (3/31/2020) | (0.57 - 0.032)/(47 - 29) | 0.0298889 |
| 0.499 (12/11/2024) | 0.032 (3/31/2020) | (0.499 - 0.032)/(48 - 29) | 0.0245789 |
| 0.108 (2/18/2025) | 0.032 (3/31/2020) | (0.108 - 0.032)/(49 - 29) | 0.0038 |
| | | | |
| 0.248 (6/10/2020) | 0.248 (6/10/2020) | (0.248 - 0.248)/(30 - 30) | Same Date |
| 0.491 (9/21/2020) | 0.248 (6/10/2020) | (0.491 - 0.248)/(31 - 30) | 0.243 |
| 0.087 (12/17/2020) | 0.248 (6/10/2020) | (0.087 - 0.248)/(32 - 30) | -0.0805 |
| 0.05 (3/18/2021) | 0.248 (6/10/2020) | (0.05 - 0.248)/(33 - 30) | -0.066 |
| 0.121 (5/5/2021) | 0.248 (6/10/2020) | (0.121 - 0.248)/(34 - 30) | -0.03175 |
| 0.131 (9/2/2021) | 0.248 (6/10/2020) | (0.131 - 0.248)/(35 - 30) | -0.0234 |
| ND<0.03 U (11/23/2021) | 0.248 (6/10/2020) | (0.03 - 0.248)/(36 - 30) | -0.0363333 |
| 0.126 (1/10/2022) | 0.248 (6/10/2020) | (0.126 - 0.248)/(37 - 30) | -0.0174286 |
| 0.101 (4/7/2022) | 0.248 (6/10/2020) | (0.101 - 0.248)/(38 - 30) | -0.018375 |
| 0.271 (8/3/2022) | 0.248 (6/10/2020) | (0.271 - 0.248)/(39 - 30) | 0.00255556 |
| 0.448 (11/16/2022) | 0.248 (6/10/2020) | (0.448 - 0.248)/(40 - 30) | 0.02 |
| 0.081 (2/13/2023) | 0.248 (6/10/2020) | (0.081 - 0.248)/(41 - 30) | -0.0151818 |
| 0.127 (5/24/2023) | 0.248 (6/10/2020) | (0.127 - 0.248)/(42 - 30) | -0.0100833 |
| 0.373 (8/7/2023) | 0.248 (6/10/2020) | (0.373 - 0.248)/(43 - 30) | 0.00961538 |
| 0.752 (12/12/2023) | 0.248 (6/10/2020) | (0.752 - 0.248)/(44 - 30) | 0.036 |
| 0.299 (1/10/2024) | 0.248 (6/10/2020) | (0.299 - 0.248)/(45 - 30) | 0.0034 |
| 0.12 (5/20/2024) | 0.248 (6/10/2020) | (0.12 - 0.248)/(46 - 30) | -0.008 |
| 0.57 (9/16/2024) | 0.248 (6/10/2020) | (0.57 - 0.248)/(47 - 30) | 0.0189412 |
| 0.499 (12/11/2024) | 0.248 (6/10/2020) | (0.499 - 0.248)/(48 - 30) | 0.0139444 |
| 0.108 (2/18/2025) | 0.248 (6/10/2020) | (0.108 - 0.248)/(49 - 30) | -0.00736842 |
| | | | |
| 0.491 (9/21/2020) | 0.248 (6/10/2020) | (0.491 - 0.248)/(31 - 30) | 0.243 |
| 0.087 (12/17/2020) | 0.248 (6/10/2020) | (0.087 - 0.248)/(32 - 30) | -0.0805 |
| 0.05 (3/18/2021) | 0.248 (6/10/2020) | (0.05 - 0.248)/(33 - 30) | -0.066 |
| 0.121 (5/5/2021) | 0.248 (6/10/2020) | (0.121 - 0.248)/(34 - 30) | -0.03175 |
| 0.131 (9/2/2021) | 0.248 (6/10/2020) | (0.131 - 0.248)/(35 - 30) | -0.0234 |
| ND<0.03 U (11/23/2021) | 0.248 (6/10/2020) | (0.03 - 0.248)/(36 - 30) | -0.0363333 |
| 0.126 (1/10/2022) | 0.248 (6/10/2020) | (0.126 - 0.248)/(37 - 30) | -0.0174286 |
| 0.101 (4/7/2022) | 0.248 (6/10/2020) | (0.101 - 0.248)/(38 - 30) | -0.018375 |
| 0.271 (8/3/2022) | 0.248 (6/10/2020) | (0.271 - 0.248)/(39 - 30) | 0.00255556 |

| | | | |
|---|---|---|---|
| 0.448 (11/16/2022) | 0.248 (6/10/2020) | (0.448 - 0.248)/(40 - 30) | 0.02 |
| 0.081 (2/13/2023) | 0.248 (6/10/2020) | (0.081 - 0.248)/(41 - 30) | -0.0151818 |
| 0.127 (5/24/2023) | 0.248 (6/10/2020) | (0.127 - 0.248)/(42 - 30) | -0.0100833 |
| 0.373 (8/7/2023) | 0.248 (6/10/2020) | (0.373 - 0.248)/(43 - 30) | 0.00961538 |
| 0.752 (12/12/2023) | 0.248 (6/10/2020) | (0.752 - 0.248)/(44 - 30) | 0.036 |
| 0.299 (1/10/2024) | 0.248 (6/10/2020) | (0.299 - 0.248)/(45 - 30) | 0.0034 |
| 0.12 (5/20/2024) | 0.248 (6/10/2020) | (0.12 - 0.248)/(46 - 30) | -0.008 |
| 0.57 (9/16/2024) | 0.248 (6/10/2020) | (0.57 - 0.248)/(47 - 30) | 0.0189412 |
| 0.499 (12/11/2024) | 0.248 (6/10/2020) | (0.499 - 0.248)/(48 - 30) | 0.0139444 |
| 0.108 (2/18/2025) | 0.248 (6/10/2020) | (0.108 - 0.248)/(49 - 30) | -0.00736842 |
| | | | |
| 0.087 (12/17/2020) | 0.491 (9/21/2020) | (0.087 - 0.491)/(32 - 31) | -0.404 |
| 0.05 (3/18/2021) | 0.491 (9/21/2020) | (0.05 - 0.491)/(33 - 31) | -0.2205 |
| 0.121 (5/5/2021) | 0.491 (9/21/2020) | (0.121 - 0.491)/(34 - 31) | -0.123333 |
| 0.131 (9/2/2021) | 0.491 (9/21/2020) | (0.131 - 0.491)/(35 - 31) | -0.09 |
| ND<0.03 U (11/23/2021) | 0.491 (9/21/2020) | (0.03 - 0.491)/(36 - 31) | -0.0922 |
| 0.126 (1/10/2022) | 0.491 (9/21/2020) | (0.126 - 0.491)/(37 - 31) | -0.0608333 |
| 0.101 (4/7/2022) | 0.491 (9/21/2020) | (0.101 - 0.491)/(38 - 31) | -0.0557143 |
| 0.271 (8/3/2022) | 0.491 (9/21/2020) | (0.271 - 0.491)/(39 - 31) | -0.0275 |
| 0.448 (11/16/2022) | 0.491 (9/21/2020) | (0.448 - 0.491)/(40 - 31) | -0.00477778 |
| 0.081 (2/13/2023) | 0.491 (9/21/2020) | (0.081 - 0.491)/(41 - 31) | -0.041 |
| 0.127 (5/24/2023) | 0.491 (9/21/2020) | (0.127 - 0.491)/(42 - 31) | -0.0330909 |
| 0.373 (8/7/2023) | 0.491 (9/21/2020) | (0.373 - 0.491)/(43 - 31) | -0.00983333 |
| 0.752 (12/12/2023) | 0.491 (9/21/2020) | (0.752 - 0.491)/(44 - 31) | 0.0200769 |
| 0.299 (1/10/2024) | 0.491 (9/21/2020) | (0.299 - 0.491)/(45 - 31) | -0.0137143 |
| 0.12 (5/20/2024) | 0.491 (9/21/2020) | (0.12 - 0.491)/(46 - 31) | -0.0247333 |
| 0.57 (9/16/2024) | 0.491 (9/21/2020) | (0.57 - 0.491)/(47 - 31) | 0.0049375 |
| 0.499 (12/11/2024) | 0.491 (9/21/2020) | (0.499 - 0.491)/(48 - 31) | 0.000470588 |
| 0.108 (2/18/2025) | 0.491 (9/21/2020) | (0.108 - 0.491)/(49 - 31) | -0.0212778 |
| | | | |
| 0.05 (3/18/2021) | 0.087 (12/17/2020) | (0.05 - 0.087)/(33 - 32) | -0.037 |
| 0.121 (5/5/2021) | 0.087 (12/17/2020) | (0.121 - 0.087)/(34 - 32) | 0.017 |
| 0.131 (9/2/2021) | 0.087 (12/17/2020) | (0.131 - 0.087)/(35 - 32) | 0.0146667 |
| ND<0.03 U (11/23/2021) | 0.087 (12/17/2020) | (0.03 - 0.087)/(36 - 32) | -0.01425 |
| 0.126 (1/10/2022) | 0.087 (12/17/2020) | (0.126 - 0.087)/(37 - 32) | 0.0078 |
| 0.101 (4/7/2022) | 0.087 (12/17/2020) | (0.101 - 0.087)/(38 - 32) | 0.00233333 |
| 0.271 (8/3/2022) | 0.087 (12/17/2020) | (0.271 - 0.087)/(39 - 32) | 0.0262857 |
| 0.448 (11/16/2022) | 0.087 (12/17/2020) | (0.448 - 0.087)/(40 - 32) | 0.045125 |
| 0.081 (2/13/2023) | 0.087 (12/17/2020) | (0.081 - 0.087)/(41 - 32) | -0.000666667 |
| 0.127 (5/24/2023) | 0.087 (12/17/2020) | (0.127 - 0.087)/(42 - 32) | 0.004 |
| 0.373 (8/7/2023) | 0.087 (12/17/2020) | (0.373 - 0.087)/(43 - 32) | 0.026 |
| 0.752 (12/12/2023) | 0.087 (12/17/2020) | (0.752 - 0.087)/(44 - 32) | 0.0554167 |
| 0.299 (1/10/2024) | 0.087 (12/17/2020) | (0.299 - 0.087)/(45 - 32) | 0.0163077 |
| 0.12 (5/20/2024) | 0.087 (12/17/2020) | (0.12 - 0.087)/(46 - 32) | 0.00235714 |
| 0.57 (9/16/2024) | 0.087 (12/17/2020) | (0.57 - 0.087)/(47 - 32) | 0.0322 |
| 0.499 (12/11/2024) | 0.087 (12/17/2020) | (0.499 - 0.087)/(48 - 32) | 0.02575 |
| 0.108 (2/18/2025) | 0.087 (12/17/2020) | (0.108 - 0.087)/(49 - 32) | 0.00123529 |
| | | | |
| 0.121 (5/5/2021) | 0.05 (3/18/2021) | (0.121 - 0.05)/(34 - 33) | 0.071 |
| 0.131 (9/2/2021) | 0.05 (3/18/2021) | (0.131 - 0.05)/(35 - 33) | 0.0405 |
| ND<0.03 U (11/23/2021) | 0.05 (3/18/2021) | (0.03 - 0.05)/(36 - 33) | -0.00666667 |
| 0.126 (1/10/2022) | 0.05 (3/18/2021) | (0.126 - 0.05)/(37 - 33) | 0.019 |
| 0.101 (4/7/2022) | 0.05 (3/18/2021) | (0.101 - 0.05)/(38 - 33) | 0.0102 |
| 0.271 (8/3/2022) | 0.05 (3/18/2021) | (0.271 - 0.05)/(39 - 33) | 0.0368333 |
| 0.448 (11/16/2022) | 0.05 (3/18/2021) | (0.448 - 0.05)/(40 - 33) | 0.0568571 |
| 0.081 (2/13/2023) | 0.05 (3/18/2021) | (0.081 - 0.05)/(41 - 33) | 0.003875 |
| 0.127 (5/24/2023) | 0.05 (3/18/2021) | (0.127 - 0.05)/(42 - 33) | 0.00855556 |

| | | | |
|---|---|---|---|
| 0.373 (8/7/2023) | 0.05 (3/18/2021) | (0.373 - 0.05)/(43 - 33) | 0.0323 |
| 0.752 (12/12/2023) | 0.05 (3/18/2021) | (0.752 - 0.05)/(44 - 33) | 0.0638182 |
| 0.299 (1/10/2024) | 0.05 (3/18/2021) | (0.299 - 0.05)/(45 - 33) | 0.02075 |
| 0.12 (5/20/2024) | 0.05 (3/18/2021) | (0.12 - 0.05)/(46 - 33) | 0.00538462 |
| 0.57 (9/16/2024) | 0.05 (3/18/2021) | (0.57 - 0.05)/(47 - 33) | 0.0371429 |
| 0.499 (12/11/2024) | 0.05 (3/18/2021) | (0.499 - 0.05)/(48 - 33) | 0.0299333 |
| 0.108 (2/18/2025) | 0.05 (3/18/2021) | (0.108 - 0.05)/(49 - 33) | 0.003625 |
| | | | |
| 0.131 (9/2/2021) | 0.121 (5/5/2021) | (0.131 - 0.121)/(35 - 34) | 0.01 |
| ND<0.03 U (11/23/2021) | 0.121 (5/5/2021) | (0.03 - 0.121)/(36 - 34) | -0.0455 |
| 0.126 (1/10/2022) | 0.121 (5/5/2021) | (0.126 - 0.121)/(37 - 34) | 0.00166667 |
| 0.101 (4/7/2022) | 0.121 (5/5/2021) | (0.101 - 0.121)/(38 - 34) | -0.005 |
| 0.271 (8/3/2022) | 0.121 (5/5/2021) | (0.271 - 0.121)/(39 - 34) | 0.03 |
| 0.448 (11/16/2022) | 0.121 (5/5/2021) | (0.448 - 0.121)/(40 - 34) | 0.0545 |
| 0.081 (2/13/2023) | 0.121 (5/5/2021) | (0.081 - 0.121)/(41 - 34) | -0.00571429 |
| 0.127 (5/24/2023) | 0.121 (5/5/2021) | (0.127 - 0.121)/(42 - 34) | 0.00075 |
| 0.373 (8/7/2023) | 0.121 (5/5/2021) | (0.373 - 0.121)/(43 - 34) | 0.028 |
| 0.752 (12/12/2023) | 0.121 (5/5/2021) | (0.752 - 0.121)/(44 - 34) | 0.0631 |
| 0.299 (1/10/2024) | 0.121 (5/5/2021) | (0.299 - 0.121)/(45 - 34) | 0.0161818 |
| 0.12 (5/20/2024) | 0.121 (5/5/2021) | (0.12 - 0.121)/(46 - 34) | -8.33333e-05 |
| 0.57 (9/16/2024) | 0.121 (5/5/2021) | (0.57 - 0.121)/(47 - 34) | 0.0345385 |
| 0.499 (12/11/2024) | 0.121 (5/5/2021) | (0.499 - 0.121)/(48 - 34) | 0.027 |
| 0.108 (2/18/2025) | 0.121 (5/5/2021) | (0.108 - 0.121)/(49 - 34) | -0.000866667 |
| | | | |
| ND<0.03 U (11/23/2021) | 0.131 (9/2/2021) | (0.03 - 0.131)/(36 - 35) | -0.101 |
| 0.126 (1/10/2022) | 0.131 (9/2/2021) | (0.126 - 0.131)/(37 - 35) | -0.0025 |
| 0.101 (4/7/2022) | 0.131 (9/2/2021) | (0.101 - 0.131)/(38 - 35) | -0.01 |
| 0.271 (8/3/2022) | 0.131 (9/2/2021) | (0.271 - 0.131)/(39 - 35) | 0.035 |
| 0.448 (11/16/2022) | 0.131 (9/2/2021) | (0.448 - 0.131)/(40 - 35) | 0.0634 |
| 0.081 (2/13/2023) | 0.131 (9/2/2021) | (0.081 - 0.131)/(41 - 35) | -0.00833333 |
| 0.127 (5/24/2023) | 0.131 (9/2/2021) | (0.127 - 0.131)/(42 - 35) | -0.000571429 |
| 0.373 (8/7/2023) | 0.131 (9/2/2021) | (0.373 - 0.131)/(43 - 35) | 0.03025 |
| 0.752 (12/12/2023) | 0.131 (9/2/2021) | (0.752 - 0.131)/(44 - 35) | 0.069 |
| 0.299 (1/10/2024) | 0.131 (9/2/2021) | (0.299 - 0.131)/(45 - 35) | 0.0168 |
| 0.12 (5/20/2024) | 0.131 (9/2/2021) | (0.12 - 0.131)/(46 - 35) | -0.001 |
| 0.57 (9/16/2024) | 0.131 (9/2/2021) | (0.57 - 0.131)/(47 - 35) | 0.0365833 |
| 0.499 (12/11/2024) | 0.131 (9/2/2021) | (0.499 - 0.131)/(48 - 35) | 0.0283077 |
| 0.108 (2/18/2025) | 0.131 (9/2/2021) | (0.108 - 0.131)/(49 - 35) | -0.00164286 |
| | | | |
| 0.126 (1/10/2022) | ND<0.03 U (11/23/2021) | (0.126 - 0.03)/(37 - 36) | 0.096 |
| 0.101 (4/7/2022) | ND<0.03 U (11/23/2021) | (0.101 - 0.03)/(38 - 36) | 0.0355 |
| 0.271 (8/3/2022) | ND<0.03 U (11/23/2021) | (0.271 - 0.03)/(39 - 36) | 0.0803333 |
| 0.448 (11/16/2022) | ND<0.03 U (11/23/2021) | (0.448 - 0.03)/(40 - 36) | 0.1045 |
| 0.081 (2/13/2023) | ND<0.03 U (11/23/2021) | (0.081 - 0.03)/(41 - 36) | 0.0102 |
| 0.127 (5/24/2023) | ND<0.03 U (11/23/2021) | (0.127 - 0.03)/(42 - 36) | 0.0161667 |
| 0.373 (8/7/2023) | ND<0.03 U (11/23/2021) | (0.373 - 0.03)/(43 - 36) | 0.049 |
| 0.752 (12/12/2023) | ND<0.03 U (11/23/2021) | (0.752 - 0.03)/(44 - 36) | 0.09025 |
| 0.299 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.299 - 0.03)/(45 - 36) | 0.0298889 |
| 0.12 (5/20/2024) | ND<0.03 U (11/23/2021) | (0.12 - 0.03)/(46 - 36) | 0.009 |
| 0.57 (9/16/2024) | ND<0.03 U (11/23/2021) | (0.57 - 0.03)/(47 - 36) | 0.0490909 |
| 0.499 (12/11/2024) | ND<0.03 U (11/23/2021) | (0.499 - 0.03)/(48 - 36) | 0.0390833 |
| 0.108 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.108 - 0.03)/(49 - 36) | 0.006 |
| | | | |
| 0.101 (4/7/2022) | 0.126 (1/10/2022) | (0.101 - 0.126)/(38 - 37) | -0.025 |
| 0.271 (8/3/2022) | 0.126 (1/10/2022) | (0.271 - 0.126)/(39 - 37) | 0.0725 |
| 0.448 (11/16/2022) | 0.126 (1/10/2022) | (0.448 - 0.126)/(40 - 37) | 0.107333 |
| 0.081 (2/13/2023) | 0.126 (1/10/2022) | (0.081 - 0.126)/(41 - 37) | -0.01125 |

| | | | |
|---|---|---|---|
| 0.127 (5/24/2023) | 0.126 (1/10/2022) | (0.127 - 0.126)/(42 - 37) | 0.0002 |
| 0.373 (8/7/2023) | 0.126 (1/10/2022) | (0.373 - 0.126)/(43 - 37) | 0.0411667 |
| 0.752 (12/12/2023) | 0.126 (1/10/2022) | (0.752 - 0.126)/(44 - 37) | 0.0894286 |
| 0.299 (1/10/2024) | 0.126 (1/10/2022) | (0.299 - 0.126)/(45 - 37) | 0.021625 |
| 0.12 (5/20/2024) | 0.126 (1/10/2022) | (0.12 - 0.126)/(46 - 37) | -0.000666667 |
| 0.57 (9/16/2024) | 0.126 (1/10/2022) | (0.57 - 0.126)/(47 - 37) | 0.0444 |
| 0.499 (12/11/2024) | 0.126 (1/10/2022) | (0.499 - 0.126)/(48 - 37) | 0.0339091 |
| 0.108 (2/18/2025) | 0.126 (1/10/2022) | (0.108 - 0.126)/(49 - 37) | -0.0015 |
| | | | |
| 0.271 (8/3/2022) | 0.101 (4/7/2022) | (0.271 - 0.101)/(39 - 38) | 0.17 |
| 0.448 (11/16/2022) | 0.101 (4/7/2022) | (0.448 - 0.101)/(40 - 38) | 0.1735 |
| 0.081 (2/13/2023) | 0.101 (4/7/2022) | (0.081 - 0.101)/(41 - 38) | -0.00666667 |
| 0.127 (5/24/2023) | 0.101 (4/7/2022) | (0.127 - 0.101)/(42 - 38) | 0.0065 |
| 0.373 (8/7/2023) | 0.101 (4/7/2022) | (0.373 - 0.101)/(43 - 38) | 0.0544 |
| 0.752 (12/12/2023) | 0.101 (4/7/2022) | (0.752 - 0.101)/(44 - 38) | 0.1085 |
| 0.299 (1/10/2024) | 0.101 (4/7/2022) | (0.299 - 0.101)/(45 - 38) | 0.0282857 |
| 0.12 (5/20/2024) | 0.101 (4/7/2022) | (0.12 - 0.101)/(46 - 38) | 0.002375 |
| 0.57 (9/16/2024) | 0.101 (4/7/2022) | (0.57 - 0.101)/(47 - 38) | 0.0521111 |
| 0.499 (12/11/2024) | 0.101 (4/7/2022) | (0.499 - 0.101)/(48 - 38) | 0.0398 |
| 0.108 (2/18/2025) | 0.101 (4/7/2022) | (0.108 - 0.101)/(49 - 38) | 0.000636364 |
| | | | |
| 0.448 (11/16/2022) | 0.271 (8/3/2022) | (0.448 - 0.271)/(40 - 39) | 0.177 |
| 0.081 (2/13/2023) | 0.271 (8/3/2022) | (0.081 - 0.271)/(41 - 39) | -0.095 |
| 0.127 (5/24/2023) | 0.271 (8/3/2022) | (0.127 - 0.271)/(42 - 39) | -0.048 |
| 0.373 (8/7/2023) | 0.271 (8/3/2022) | (0.373 - 0.271)/(43 - 39) | 0.0255 |
| 0.752 (12/12/2023) | 0.271 (8/3/2022) | (0.752 - 0.271)/(44 - 39) | 0.0962 |
| 0.299 (1/10/2024) | 0.271 (8/3/2022) | (0.299 - 0.271)/(45 - 39) | 0.00466667 |
| 0.12 (5/20/2024) | 0.271 (8/3/2022) | (0.12 - 0.271)/(46 - 39) | -0.0215714 |
| 0.57 (9/16/2024) | 0.271 (8/3/2022) | (0.57 - 0.271)/(47 - 39) | 0.037375 |
| 0.499 (12/11/2024) | 0.271 (8/3/2022) | (0.499 - 0.271)/(48 - 39) | 0.0253333 |
| 0.108 (2/18/2025) | 0.271 (8/3/2022) | (0.108 - 0.271)/(49 - 39) | -0.0163 |
| | | | |
| 0.081 (2/13/2023) | 0.448 (11/16/2022) | (0.081 - 0.448)/(41 - 40) | -0.367 |
| 0.127 (5/24/2023) | 0.448 (11/16/2022) | (0.127 - 0.448)/(42 - 40) | -0.1605 |
| 0.373 (8/7/2023) | 0.448 (11/16/2022) | (0.373 - 0.448)/(43 - 40) | -0.025 |
| 0.752 (12/12/2023) | 0.448 (11/16/2022) | (0.752 - 0.448)/(44 - 40) | 0.076 |
| 0.299 (1/10/2024) | 0.448 (11/16/2022) | (0.299 - 0.448)/(45 - 40) | -0.0298 |
| 0.12 (5/20/2024) | 0.448 (11/16/2022) | (0.12 - 0.448)/(46 - 40) | -0.0546667 |
| 0.57 (9/16/2024) | 0.448 (11/16/2022) | (0.57 - 0.448)/(47 - 40) | 0.0174286 |
| 0.499 (12/11/2024) | 0.448 (11/16/2022) | (0.499 - 0.448)/(48 - 40) | 0.006375 |
| 0.108 (2/18/2025) | 0.448 (11/16/2022) | (0.108 - 0.448)/(49 - 40) | -0.0377778 |
| | | | |
| 0.127 (5/24/2023) | 0.081 (2/13/2023) | (0.127 - 0.081)/(42 - 41) | 0.046 |
| 0.373 (8/7/2023) | 0.081 (2/13/2023) | (0.373 - 0.081)/(43 - 41) | 0.146 |
| 0.752 (12/12/2023) | 0.081 (2/13/2023) | (0.752 - 0.081)/(44 - 41) | 0.223667 |
| 0.299 (1/10/2024) | 0.081 (2/13/2023) | (0.299 - 0.081)/(45 - 41) | 0.0545 |
| 0.12 (5/20/2024) | 0.081 (2/13/2023) | (0.12 - 0.081)/(46 - 41) | 0.0078 |
| 0.57 (9/16/2024) | 0.081 (2/13/2023) | (0.57 - 0.081)/(47 - 41) | 0.0815 |
| 0.499 (12/11/2024) | 0.081 (2/13/2023) | (0.499 - 0.081)/(48 - 41) | 0.0597143 |
| 0.108 (2/18/2025) | 0.081 (2/13/2023) | (0.108 - 0.081)/(49 - 41) | 0.003375 |
| | | | |
| 0.373 (8/7/2023) | 0.127 (5/24/2023) | (0.373 - 0.127)/(43 - 42) | 0.246 |
| 0.752 (12/12/2023) | 0.127 (5/24/2023) | (0.752 - 0.127)/(44 - 42) | 0.3125 |
| 0.299 (1/10/2024) | 0.127 (5/24/2023) | (0.299 - 0.127)/(45 - 42) | 0.0573333 |
| 0.12 (5/20/2024) | 0.127 (5/24/2023) | (0.12 - 0.127)/(46 - 42) | -0.00175 |
| 0.57 (9/16/2024) | 0.127 (5/24/2023) | (0.57 - 0.127)/(47 - 42) | 0.0886 |
| 0.499 (12/11/2024) | 0.127 (5/24/2023) | (0.499 - 0.127)/(48 - 42) | 0.062 |

| | | | |
|---|---|---|---|
| 0.108 (2/18/2025) | 0.127 (5/24/2023) | (0.108 - 0.127)/(49 - 42) | -0.00271429 |
| | | | |
| 0.752 (12/12/2023) | 0.373 (8/7/2023) | (0.752 - 0.373)/(44 - 43) | 0.379 |
| 0.299 (1/10/2024) | 0.373 (8/7/2023) | (0.299 - 0.373)/(45 - 43) | -0.037 |
| 0.12 (5/20/2024) | 0.373 (8/7/2023) | (0.12 - 0.373)/(46 - 43) | -0.0843333 |
| 0.57 (9/16/2024) | 0.373 (8/7/2023) | (0.57 - 0.373)/(47 - 43) | 0.04925 |
| 0.499 (12/11/2024) | 0.373 (8/7/2023) | (0.499 - 0.373)/(48 - 43) | 0.0252 |
| 0.108 (2/18/2025) | 0.373 (8/7/2023) | (0.108 - 0.373)/(49 - 43) | -0.0441667 |
| | | | |
| 0.299 (1/10/2024) | 0.752 (12/12/2023) | (0.299 - 0.752)/(45 - 44) | -0.453 |
| 0.12 (5/20/2024) | 0.752 (12/12/2023) | (0.12 - 0.752)/(46 - 44) | -0.316 |
| 0.57 (9/16/2024) | 0.752 (12/12/2023) | (0.57 - 0.752)/(47 - 44) | -0.0606667 |
| 0.499 (12/11/2024) | 0.752 (12/12/2023) | (0.499 - 0.752)/(48 - 44) | -0.06325 |
| 0.108 (2/18/2025) | 0.752 (12/12/2023) | (0.108 - 0.752)/(49 - 44) | -0.1288 |
| | | | |
| 0.12 (5/20/2024) | 0.299 (1/10/2024) | (0.12 - 0.299)/(46 - 45) | -0.179 |
| 0.57 (9/16/2024) | 0.299 (1/10/2024) | (0.57 - 0.299)/(47 - 45) | 0.1355 |
| 0.499 (12/11/2024) | 0.299 (1/10/2024) | (0.499 - 0.299)/(48 - 45) | 0.0666667 |
| 0.108 (2/18/2025) | 0.299 (1/10/2024) | (0.108 - 0.299)/(49 - 45) | -0.04775 |
| | | | |
| 0.57 (9/16/2024) | 0.12 (5/20/2024) | (0.57 - 0.12)/(47 - 46) | 0.45 |
| 0.499 (12/11/2024) | 0.12 (5/20/2024) | (0.499 - 0.12)/(48 - 46) | 0.1895 |
| 0.108 (2/18/2025) | 0.12 (5/20/2024) | (0.108 - 0.12)/(49 - 46) | -0.004 |
| | | | |
| 0.499 (12/11/2024) | 0.57 (9/16/2024) | (0.499 - 0.57)/(48 - 47) | -0.071 |
| 0.108 (2/18/2025) | 0.57 (9/16/2024) | (0.108 - 0.57)/(49 - 47) | -0.231 |
| | | | |
| 0.108 (2/18/2025) | 0.499 (12/11/2024) | (0.108 - 0.499)/(49 - 48) | -0.391 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.491 |
| 2 | -0.453 |
| 3 | -0.404 |
| 4 | -0.403 |
| 5 | -0.391 |
| 6 | -0.367 |
| 7 | -0.316 |
| 8 | -0.298 |
| 9 | -0.28 |
| 10 | -0.231 |
| 11 | -0.2205 |
| 12 | -0.219 |
| 13 | -0.193 |
| 14 | -0.186 |
| 15 | -0.183 |
| 16 | -0.18 |
| 17 | -0.179 |
| 18 | -0.1605 |
| 19 | -0.16 |
| 20 | -0.15 |
| 21 | -0.1375 |
| 22 | -0.1375 |
| 23 | -0.135 |

| | |
|---|---|
| 24 | -0.1288 |
| 25 | -0.126667 |
| 26 | -0.123333 |
| 27 | -0.116 |
| 28 | -0.112 |
| 29 | -0.112 |
| 30 | -0.110333 |
| 31 | -0.11 |
| 32 | -0.109 |
| 33 | -0.1075 |
| 34 | -0.101 |
| 35 | -0.095 |
| 36 | -0.0946 |
| 37 | -0.093 |
| 38 | -0.0922 |
| 39 | -0.09 |
| 40 | -0.0853333 |
| 41 | -0.0843333 |
| 42 | -0.082 |
| 43 | -0.0805 |
| 44 | -0.0805 |
| 45 | -0.08 |
| 46 | -0.074 |
| 47 | -0.071 |
| 48 | -0.0703333 |
| 49 | -0.07 |
| 50 | -0.0684 |
| 51 | -0.068 |
| 52 | -0.067 |
| 53 | -0.0661667 |
| 54 | -0.066 |
| 55 | -0.066 |
| 56 | -0.064 |
| 57 | -0.064 |
| 58 | -0.0634 |
| 59 | -0.06325 |
| 60 | -0.0625714 |
| 61 | -0.0622857 |
| 62 | -0.062 |
| 63 | -0.061625 |
| 64 | -0.0608333 |
| 65 | -0.0606667 |
| 66 | -0.059 |
| 67 | -0.058 |
| 68 | -0.0576 |
| 69 | -0.0575 |
| 70 | -0.0563333 |
| 71 | -0.056 |
| 72 | -0.056 |
| 73 | -0.056 |
| 74 | -0.0557143 |
| 75 | -0.0546667 |
| 76 | -0.0533333 |
| 77 | -0.0532 |
| 78 | -0.052 |
| 79 | -0.052 |
| 80 | -0.0512 |

| | |
|---|---|
| 81 | -0.051 |
| 82 | -0.05075 |
| 83 | -0.0502 |
| 84 | -0.0488182 |
| 85 | -0.0486667 |
| 86 | -0.048 |
| 87 | -0.048 |
| 88 | -0.048 |
| 89 | -0.04775 |
| 90 | -0.0462222 |
| 91 | -0.046 |
| 92 | -0.046 |
| 93 | -0.0458 |
| 94 | -0.0455 |
| 95 | -0.0455 |
| 96 | -0.045 |
| 97 | -0.0441667 |
| 98 | -0.0441111 |
| 99 | -0.0432222 |
| 100 | -0.0430714 |
| 101 | -0.0428 |
| 102 | -0.0422 |
| 103 | -0.0421667 |
| 104 | -0.0421 |
| 105 | -0.0415556 |
| 106 | -0.0414286 |
| 107 | -0.041 |
| 108 | -0.041 |
| 109 | -0.0404286 |
| 110 | -0.04 |
| 111 | -0.0394545 |
| 112 | -0.0388571 |
| 113 | -0.0384 |
| 114 | -0.0377778 |
| 115 | -0.0377333 |
| 116 | -0.03725 |
| 117 | -0.037 |
| 118 | -0.037 |
| 119 | -0.0366667 |
| 120 | -0.0363333 |
| 121 | -0.0363333 |
| 122 | -0.036 |
| 123 | -0.0351111 |
| 124 | -0.0347778 |
| 125 | -0.034125 |
| 126 | -0.034 |
| 127 | -0.0332 |
| 128 | -0.0330909 |
| 129 | -0.033 |
| 130 | -0.0328333 |
| 131 | -0.0326667 |
| 132 | -0.0321538 |
| 133 | -0.0321429 |
| 134 | -0.032 |
| 135 | -0.032 |
| 136 | -0.032 |
| 137 | -0.032 |

| | |
|---|---|
| 138 | -0.03175 |
| 139 | -0.03175 |
| 140 | -0.0315833 |
| 141 | -0.0305333 |
| 142 | -0.03 |
| 143 | -0.0298 |
| 144 | -0.0288421 |
| 145 | -0.0287143 |
| 146 | -0.0283889 |
| 147 | -0.0282857 |
| 148 | -0.0282857 |
| 149 | -0.0279091 |
| 150 | -0.0278 |
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| 840 | 0.00668293 |
| 841 | 0.00675 |
| 842 | 0.00680952 |
| 843 | 0.00683333 |
| 844 | 0.0069 |
| 845 | 0.0069 |
| 846 | 0.007 |
| 847 | 0.00705556 |
| 848 | 0.00708108 |
| 849 | 0.00714706 |
| 850 | 0.00721875 |
| 851 | 0.00730769 |
| 852 | 0.0073125 |
| 853 | 0.00738462 |
| 854 | 0.00742553 |
| 855 | 0.00744444 |
| 856 | 0.00748387 |
| 857 | 0.00764103 |
| 858 | 0.00766667 |
| 859 | 0.00769231 |
| 860 | 0.0078 |
| 861 | 0.0078 |
| 862 | 0.00780769 |
| 863 | 0.00786957 |
| 864 | 0.0079375 |
| 865 | 0.0079697 |
| 866 | 0.0083 |
| 867 | 0.00831034 |
| 868 | 0.00831818 |
| 869 | 0.00855556 |
| 870 | 0.00856 |
| 871 | 0.0085814 |
| 872 | 0.00858537 |
| 873 | 0.00861111 |
| 874 | 0.00869565 |
| 875 | 0.00872727 |
| 876 | 0.0088 |
| 877 | 0.00882857 |
| 878 | 0.00885714 |

| | |
|---|---|
| 879 | 0.009 |
| 880 | 0.00904762 |
| 881 | 0.00908571 |
| 882 | 0.0091 |
| 883 | 0.00913043 |
| 884 | 0.00914286 |
| 885 | 0.00918421 |
| 886 | 0.00931034 |
| 887 | 0.00935294 |
| 888 | 0.00946154 |
| 889 | 0.0095 |
| 890 | 0.00953333 |
| 891 | 0.00955556 |
| 892 | 0.00955556 |
| 893 | 0.00958824 |
| 894 | 0.00959091 |
| 895 | 0.00961538 |
| 896 | 0.00961538 |
| 897 | 0.00970833 |
| 898 | 0.00975 |
| 899 | 0.00976923 |
| 900 | 0.00982353 |
| 901 | 0.01 |
| 902 | 0.01 |
| 903 | 0.0100909 |
| 904 | 0.0100909 |
| 905 | 0.0101 |
| 906 | 0.0101667 |
| 907 | 0.0102 |
| 908 | 0.0102 |
| 909 | 0.0102368 |
| 910 | 0.0102581 |
| 911 | 0.0102857 |
| 912 | 0.0103333 |
| 913 | 0.0103462 |
| 914 | 0.0104667 |
| 915 | 0.0104762 |
| 916 | 0.0105 |
| 917 | 0.0105 |
| 918 | 0.0105882 |
| 919 | 0.0105882 |
| 920 | 0.0106154 |
| 921 | 0.0106667 |
| 922 | 0.0107857 |
| 923 | 0.0108421 |
| 924 | 0.011 |
| 925 | 0.0110714 |
| 926 | 0.0110952 |
| 927 | 0.0111 |
| 928 | 0.0111429 |
| 929 | 0.0112 |
| 930 | 0.0112667 |
| 931 | 0.0113667 |
| 932 | 0.0114167 |
| 933 | 0.01155 |
| 934 | 0.0115789 |
| 935 | 0.0116 |

| | |
|---|---|
| 936 | 0.01175 |
| 937 | 0.01175 |
| 938 | 0.0118 |
| 939 | 0.0118621 |
| 940 | 0.011875 |
| 941 | 0.0119 |
| 942 | 0.0121053 |
| 943 | 0.0121111 |
| 944 | 0.0122 |
| 945 | 0.0123143 |
| 946 | 0.0124324 |
| 947 | 0.0124545 |
| 948 | 0.0124815 |
| 949 | 0.0127407 |
| 950 | 0.0128 |
| 951 | 0.0133182 |
| 952 | 0.0133333 |
| 953 | 0.0134615 |
| 954 | 0.0135172 |
| 955 | 0.0136 |
| 956 | 0.0136667 |
| 957 | 0.0137 |
| 958 | 0.0138148 |
| 959 | 0.0138846 |
| 960 | 0.0139444 |
| 961 | 0.0139444 |
| 962 | 0.014 |
| 963 | 0.0140741 |
| 964 | 0.0143125 |
| 965 | 0.0145 |
| 966 | 0.0146667 |
| 967 | 0.0147647 |
| 968 | 0.015 |
| 969 | 0.0150526 |
| 970 | 0.0152222 |
| 971 | 0.0153437 |
| 972 | 0.0154286 |
| 973 | 0.0155476 |
| 974 | 0.0156923 |
| 975 | 0.0157778 |
| 976 | 0.0159487 |
| 977 | 0.016 |
| 978 | 0.0161579 |
| 979 | 0.0161667 |
| 980 | 0.0161818 |
| 981 | 0.0162 |
| 982 | 0.0163077 |
| 983 | 0.0163077 |
| 984 | 0.016375 |
| 985 | 0.0164091 |
| 986 | 0.0164444 |
| 987 | 0.0165 |
| 988 | 0.0166875 |
| 989 | 0.0168 |
| 990 | 0.017 |
| 991 | 0.017087 |
| 992 | 0.017125 |

| | |
|---|---|
| 993 | 0.0172857 |
| 994 | 0.0172941 |
| 995 | 0.0173333 |
| 996 | 0.0173333 |
| 997 | 0.0174286 |
| 998 | 0.0174545 |
| 999 | 0.0177714 |
| 1000 | 0.0178 |
| 1001 | 0.017963 |
| 1002 | 0.018 |
| 1003 | 0.018 |
| 1004 | 0.0180417 |
| 1005 | 0.0181429 |
| 1006 | 0.01825 |
| 1007 | 0.0183333 |
| 1008 | 0.0187143 |
| 1009 | 0.0188824 |
| 1010 | 0.0189412 |
| 1011 | 0.0189412 |
| 1012 | 0.019 |
| 1013 | 0.0190435 |
| 1014 | 0.0194167 |
| 1015 | 0.0196667 |
| 1016 | 0.01976 |
| 1017 | 0.0197778 |
| 1018 | 0.02 |
| 1019 | 0.02 |
| 1020 | 0.02 |
| 1021 | 0.0200769 |
| 1022 | 0.0202308 |
| 1023 | 0.0203846 |
| 1024 | 0.0204706 |
| 1025 | 0.0206842 |
| 1026 | 0.02075 |
| 1027 | 0.021625 |
| 1028 | 0.0217 |
| 1029 | 0.02175 |
| 1030 | 0.021913 |
| 1031 | 0.0219167 |
| 1032 | 0.0220645 |
| 1033 | 0.0222381 |
| 1034 | 0.0224286 |
| 1035 | 0.0225 |
| 1036 | 0.0225714 |
| 1037 | 0.0229444 |
| 1038 | 0.0231364 |
| 1039 | 0.0232727 |
| 1040 | 0.0235 |
| 1041 | 0.0237143 |
| 1042 | 0.0237273 |
| 1043 | 0.023875 |
| 1044 | 0.0239 |
| 1045 | 0.024 |
| 1046 | 0.0240909 |
| 1047 | 0.0243571 |
| 1048 | 0.0245789 |
| 1049 | 0.025 |

| | |
|---|---|
| 1050 | 0.0250714 |
| 1051 | 0.0252 |
| 1052 | 0.0253333 |
| 1053 | 0.0254286 |
| 1054 | 0.0255 |
| 1055 | 0.0256522 |
| 1056 | 0.02575 |
| 1057 | 0.02575 |
| 1058 | 0.0258 |
| 1059 | 0.026 |
| 1060 | 0.0262857 |
| 1061 | 0.027 |
| 1062 | 0.028 |
| 1063 | 0.0282857 |
| 1064 | 0.0283077 |
| 1065 | 0.029 |
| 1066 | 0.0290909 |
| 1067 | 0.0294444 |
| 1068 | 0.0294615 |
| 1069 | 0.0297 |
| 1070 | 0.02975 |
| 1071 | 0.0298889 |
| 1072 | 0.0298889 |
| 1073 | 0.0299333 |
| 1074 | 0.03 |
| 1075 | 0.03 |
| 1076 | 0.03025 |
| 1077 | 0.0303333 |
| 1078 | 0.0303333 |
| 1079 | 0.0303333 |
| 1080 | 0.0303333 |
| 1081 | 0.0308 |
| 1082 | 0.0313333 |
| 1083 | 0.0316 |
| 1084 | 0.0316667 |
| 1085 | 0.032 |
| 1086 | 0.0322 |
| 1087 | 0.03225 |
| 1088 | 0.0323 |
| 1089 | 0.0329 |
| 1090 | 0.033 |
| 1091 | 0.0339091 |
| 1092 | 0.0343 |
| 1093 | 0.0344615 |
| 1094 | 0.0345385 |
| 1095 | 0.0348 |
| 1096 | 0.035 |
| 1097 | 0.035 |
| 1098 | 0.0352 |
| 1099 | 0.0355 |
| 1100 | 0.036 |
| 1101 | 0.036 |
| 1102 | 0.0363684 |
| 1103 | 0.0365833 |
| 1104 | 0.0368333 |
| 1105 | 0.037125 |
| 1106 | 0.0371429 |

| | |
|---|---|
| 1107 | 0.0371429 |
| 1108 | 0.037375 |
| 1109 | 0.0374 |
| 1110 | 0.0374 |
| 1111 | 0.0378182 |
| 1112 | 0.038 |
| 1113 | 0.0390833 |
| 1114 | 0.0398 |
| 1115 | 0.0403333 |
| 1116 | 0.0405 |
| 1117 | 0.0411667 |
| 1118 | 0.0415833 |
| 1119 | 0.0435 |
| 1120 | 0.0436667 |
| 1121 | 0.0444 |
| 1122 | 0.045125 |
| 1123 | 0.0457143 |
| 1124 | 0.046 |
| 1125 | 0.0466667 |
| 1126 | 0.04725 |
| 1127 | 0.0476 |
| 1128 | 0.048 |
| 1129 | 0.0488333 |
| 1130 | 0.049 |
| 1131 | 0.0490909 |
| 1132 | 0.04925 |
| 1133 | 0.04975 |
| 1134 | 0.0514 |
| 1135 | 0.0515714 |
| 1136 | 0.0518333 |
| 1137 | 0.052 |
| 1138 | 0.0521111 |
| 1139 | 0.0534286 |
| 1140 | 0.0544 |
| 1141 | 0.0545 |
| 1142 | 0.0545 |
| 1143 | 0.055 |
| 1144 | 0.0554167 |
| 1145 | 0.0566667 |
| 1146 | 0.0566667 |
| 1147 | 0.0568571 |
| 1148 | 0.057 |
| 1149 | 0.0573333 |
| 1150 | 0.0586667 |
| 1151 | 0.0597143 |
| 1152 | 0.06025 |
| 1153 | 0.0607143 |
| 1154 | 0.0615 |
| 1155 | 0.062 |
| 1156 | 0.0627778 |
| 1157 | 0.0631 |
| 1158 | 0.0634 |
| 1159 | 0.0638182 |
| 1160 | 0.0648 |
| 1161 | 0.0666667 |
| 1162 | 0.0666667 |
| 1163 | 0.068 |

| | |
|---|---|
| 1164 | 0.069 |
| 1165 | 0.07 |
| 1166 | 0.071 |
| 1167 | 0.0716667 |
| 1168 | 0.0725 |
| 1169 | 0.0736667 |
| 1170 | 0.0744 |
| 1171 | 0.0755 |
| 1172 | 0.076 |
| 1173 | 0.0782 |
| 1174 | 0.0803333 |
| 1175 | 0.0815 |
| 1176 | 0.0846667 |
| 1177 | 0.0886 |
| 1178 | 0.089 |
| 1179 | 0.0894286 |
| 1180 | 0.09025 |
| 1181 | 0.0933333 |
| 1182 | 0.0936 |
| 1183 | 0.0955 |
| 1184 | 0.096 |
| 1185 | 0.0962 |
| 1186 | 0.1045 |
| 1187 | 0.107333 |
| 1188 | 0.1085 |
| 1189 | 0.112667 |
| 1190 | 0.11425 |
| 1191 | 0.119 |
| 1192 | 0.122 |
| 1193 | 0.125 |
| 1194 | 0.127333 |
| 1195 | 0.1355 |
| 1196 | 0.145 |
| 1197 | 0.146 |
| 1198 | 0.15 |
| 1199 | 0.154 |
| 1200 | 0.1585 |
| 1201 | 0.1685 |
| 1202 | 0.17 |
| 1203 | 0.1715 |
| 1204 | 0.1735 |
| 1205 | 0.177 |
| 1206 | 0.18 |
| 1207 | 0.1895 |
| 1208 | 0.198 |
| 1209 | 0.207 |
| 1210 | 0.21 |
| 1211 | 0.216 |
| 1212 | 0.216 |
| 1213 | 0.223667 |
| 1214 | 0.2295 |
| 1215 | 0.243 |
| 1216 | 0.243 |
| 1217 | 0.246 |
| 1218 | 0.267 |
| 1219 | 0.301 |
| 1220 | 0.3125 |

| | |
|---|---|
| 1221 | 0.379 |
| 1222 | 0.45 |
| 1223 | 0.53 |
| 1224 | 0.554 |

Sen's Estimator (Median Q) is -0.000889394

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.13 | 2 |
| 2 | 0.226 | 2 |
| 3 | 0.248 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: GD 12
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.03 (5/8/2013) | 0.03 (3/12/2013) | (0.03 - 0.03)/(2 - 1) | 0 |
| 0.026 (9/23/2013) | 0.03 (3/12/2013) | (0.026 - 0.03)/(3 - 1) | -0.002 |
| 0.079 (12/10/2013) | 0.03 (3/12/2013) | (0.079 - 0.03)/(4 - 1) | 0.0163333 |
| ND<0.025 U (2/6/2014) | 0.03 (3/12/2013) | (0.025 - 0.03)/(5 - 1) | -0.00125 |
| 0.035 (6/26/2014) | 0.03 (3/12/2013) | (0.035 - 0.03)/(6 - 1) | 0.001 |
| ND<0.025 U (9/30/2014) | 0.03 (3/12/2013) | (0.025 - 0.03)/(7 - 1) | -0.000833333 |
| ND<0.025 U (11/19/2014) | 0.03 (3/12/2013) | (0.025 - 0.03)/(8 - 1) | -0.000714286 |
| ND<0.025 U (3/23/2015) | 0.03 (3/12/2013) | (0.025 - 0.03)/(9 - 1) | -0.000625 |
| ND<0.025 U (4/22/2015) | 0.03 (3/12/2013) | (0.025 - 0.03)/(10 - 1) | -0.000555556 |
| ND<0.025 U (9/30/2015) | 0.03 (3/12/2013) | (0.025 - 0.03)/(11 - 1) | -0.0005 |
| 0.1 (11/19/2015) | 0.03 (3/12/2013) | (0.1 - 0.03)/(12 - 1) | 0.00636364 |
| 0.032 (3/15/2016) | 0.03 (3/12/2013) | (0.032 - 0.03)/(13 - 1) | 0.000166667 |
| 0.036 (6/29/2016) | 0.03 (3/12/2013) | (0.036 - 0.03)/(14 - 1) | 0.000461538 |
| ND<0.025 U (8/9/2016) | 0.03 (3/12/2013) | (0.025 - 0.03)/(15 - 1) | -0.000357143 |
| ND<0.025 U (12/7/2016) | 0.03 (3/12/2013) | (0.025 - 0.03)/(16 - 1) | -0.000333333 |
| ND<0.025 U (3/2/2017) | 0.03 (3/12/2013) | (0.025 - 0.03)/(17 - 1) | -0.0003125 |
| ND<0.025 U (6/21/2017) | 0.03 (3/12/2013) | (0.025 - 0.03)/(18 - 1) | -0.000294118 |
| ND<0.025 U (8/17/2017) | 0.03 (3/12/2013) | (0.025 - 0.03)/(19 - 1) | -0.000277778 |
| ND<0.025 U (10/26/2017) | 0.03 (3/12/2013) | (0.025 - 0.03)/(20 - 1) | -0.000263158 |
| ND<0.025 U (3/27/2018) | 0.03 (3/12/2013) | (0.025 - 0.03)/(21 - 1) | -0.00025 |
| ND<0.025 U (6/26/2018) | 0.03 (3/12/2013) | (0.025 - 0.03)/(22 - 1) | -0.000238095 |
| 0.159 (8/1/2018) | 0.03 (3/12/2013) | (0.159 - 0.03)/(23 - 1) | 0.00586364 |
| ND<0.025 U (12/11/2018) | 0.03 (3/12/2013) | (0.025 - 0.03)/(24 - 1) | -0.000217391 |
| ND<0.025 U (4/17/2019) | 0.03 (3/12/2013) | (0.025 - 0.03)/(25 - 1) | -0.000208333 |
| 0.066 (6/11/2019) | 0.03 (3/12/2013) | (0.066 - 0.03)/(26 - 1) | 0.00144 |
| ND<0.025 U (8/28/2019) | 0.03 (3/12/2013) | (0.025 - 0.03)/(27 - 1) | -0.000192308 |
| 0.044 (10/28/2019) | 0.03 (3/12/2013) | (0.044 - 0.03)/(28 - 1) | 0.000518519 |
| 0.065 (3/31/2020) | 0.03 (3/12/2013) | (0.065 - 0.03)/(29 - 1) | 0.00125 |
| ND<0.03 U (6/10/2020) | 0.03 (3/12/2013) | (0.03 - 0.03)/(30 - 1) | 0 |
| ND<0.03 U (6/10/2020) | 0.03 (3/12/2013) | (0.03 - 0.03)/(30 - 1) | 0 |
| ND<0.03 U (9/21/2020) | 0.03 (3/12/2013) | (0.03 - 0.03)/(31 - 1) | 0 |
| ND<0.03 U (12/17/2020) | 0.03 (3/12/2013) | (0.03 - 0.03)/(32 - 1) | 0 |
| ND<0.03 U (3/18/2021) | 0.03 (3/12/2013) | (0.03 - 0.03)/(33 - 1) | 0 |
| ND<0.03 U (5/5/2021) | 0.03 (3/12/2013) | (0.03 - 0.03)/(34 - 1) | 0 |
| ND<0.03 U (9/2/2021) | 0.03 (3/12/2013) | (0.03 - 0.03)/(35 - 1) | 0 |
| ND<0.03 U (11/23/2021) | 0.03 (3/12/2013) | (0.03 - 0.03)/(36 - 1) | 0 |
| ND<0.03 U (1/10/2022) | 0.03 (3/12/2013) | (0.03 - 0.03)/(37 - 1) | 0 |
| 0.074 (4/7/2022) | 0.03 (3/12/2013) | (0.074 - 0.03)/(38 - 1) | 0.00118919 |
| ND<0.03 U (8/3/2022) | 0.03 (3/12/2013) | (0.03 - 0.03)/(39 - 1) | 0 |
| ND<0.03 U (11/16/2022) | 0.03 (3/12/2013) | (0.03 - 0.03)/(40 - 1) | 0 |
| ND<0.03 U (2/13/2023) | 0.03 (3/12/2013) | (0.03 - 0.03)/(41 - 1) | 0 |
| 0.044 (5/24/2023) | 0.03 (3/12/2013) | (0.044 - 0.03)/(42 - 1) | 0.000341463 |
| ND<0.03 U (8/7/2023) | 0.03 (3/12/2013) | (0.03 - 0.03)/(43 - 1) | 0 |
| ND<0.014 U (12/12/2023) | 0.03 (3/12/2013) | (0.014 - 0.03)/(44 - 1) | -0.000372093 |
| 0.041 (1/10/2024) | 0.03 (3/12/2013) | (0.041 - 0.03)/(45 - 1) | 0.00025 |
| ND<0.03 U (5/20/2024) | 0.03 (3/12/2013) | (0.03 - 0.03)/(46 - 1) | 0 |
| 0.016 (9/16/2024) | 0.03 (3/12/2013) | (0.016 - 0.03)/(47 - 1) | -0.000304348 |
| 0.041 (12/11/2024) | 0.03 (3/12/2013) | (0.041 - 0.03)/(48 - 1) | 0.000234043 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (2/18/2025) | 0.03 (3/12/2013) | (0.0196 - 0.03)/(49 - 1) | -0.000216667 |
| | | | |
| 0.026 (9/23/2013) | 0.03 (5/8/2013) | (0.026 - 0.03)/(3 - 2) | -0.004 |
| 0.079 (12/10/2013) | 0.03 (5/8/2013) | (0.079 - 0.03)/(4 - 2) | 0.0245 |
| ND<0.025 U (2/6/2014) | 0.03 (5/8/2013) | (0.025 - 0.03)/(5 - 2) | -0.00166667 |
| 0.035 (6/26/2014) | 0.03 (5/8/2013) | (0.035 - 0.03)/(6 - 2) | 0.00125 |
| ND<0.025 U (9/30/2014) | 0.03 (5/8/2013) | (0.025 - 0.03)/(7 - 2) | -0.001 |
| ND<0.025 U (11/19/2014) | 0.03 (5/8/2013) | (0.025 - 0.03)/(8 - 2) | -0.000833333 |
| ND<0.025 U (3/23/2015) | 0.03 (5/8/2013) | (0.025 - 0.03)/(9 - 2) | -0.000714286 |
| ND<0.025 U (4/22/2015) | 0.03 (5/8/2013) | (0.025 - 0.03)/(10 - 2) | -0.000625 |
| ND<0.025 U (9/30/2015) | 0.03 (5/8/2013) | (0.025 - 0.03)/(11 - 2) | -0.000555556 |
| 0.1 (11/19/2015) | 0.03 (5/8/2013) | (0.1 - 0.03)/(12 - 2) | 0.007 |
| 0.032 (3/15/2016) | 0.03 (5/8/2013) | (0.032 - 0.03)/(13 - 2) | 0.000181818 |
| 0.036 (6/29/2016) | 0.03 (5/8/2013) | (0.036 - 0.03)/(14 - 2) | 0.0005 |
| ND<0.025 U (8/9/2016) | 0.03 (5/8/2013) | (0.025 - 0.03)/(15 - 2) | -0.000384615 |
| ND<0.025 U (12/7/2016) | 0.03 (5/8/2013) | (0.025 - 0.03)/(16 - 2) | -0.000357143 |
| ND<0.025 U (3/2/2017) | 0.03 (5/8/2013) | (0.025 - 0.03)/(17 - 2) | -0.000333333 |
| ND<0.025 U (6/21/2017) | 0.03 (5/8/2013) | (0.025 - 0.03)/(18 - 2) | -0.0003125 |
| ND<0.025 U (8/17/2017) | 0.03 (5/8/2013) | (0.025 - 0.03)/(19 - 2) | -0.000294118 |
| ND<0.025 U (10/26/2017) | 0.03 (5/8/2013) | (0.025 - 0.03)/(20 - 2) | -0.000277778 |
| ND<0.025 U (3/27/2018) | 0.03 (5/8/2013) | (0.025 - 0.03)/(21 - 2) | -0.000263158 |
| ND<0.025 U (6/26/2018) | 0.03 (5/8/2013) | (0.025 - 0.03)/(22 - 2) | -0.00025 |
| 0.159 (8/1/2018) | 0.03 (5/8/2013) | (0.159 - 0.03)/(23 - 2) | 0.00614286 |
| ND<0.025 U (12/11/2018) | 0.03 (5/8/2013) | (0.025 - 0.03)/(24 - 2) | -0.000227273 |
| ND<0.025 U (4/17/2019) | 0.03 (5/8/2013) | (0.025 - 0.03)/(25 - 2) | -0.000217391 |
| 0.066 (6/11/2019) | 0.03 (5/8/2013) | (0.066 - 0.03)/(26 - 2) | 0.0015 |
| ND<0.025 U (8/28/2019) | 0.03 (5/8/2013) | (0.025 - 0.03)/(27 - 2) | -0.0002 |
| 0.044 (10/28/2019) | 0.03 (5/8/2013) | (0.044 - 0.03)/(28 - 2) | 0.000538462 |
| 0.065 (3/31/2020) | 0.03 (5/8/2013) | (0.065 - 0.03)/(29 - 2) | 0.0012963 |
| ND<0.03 U (6/10/2020) | 0.03 (5/8/2013) | (0.03 - 0.03)/(30 - 2) | 0 |
| ND<0.03 U (6/10/2020) | 0.03 (5/8/2013) | (0.03 - 0.03)/(30 - 2) | 0 |
| ND<0.03 U (9/21/2020) | 0.03 (5/8/2013) | (0.03 - 0.03)/(31 - 2) | 0 |
| ND<0.03 U (12/17/2020) | 0.03 (5/8/2013) | (0.03 - 0.03)/(32 - 2) | 0 |
| ND<0.03 U (3/18/2021) | 0.03 (5/8/2013) | (0.03 - 0.03)/(33 - 2) | 0 |
| ND<0.03 U (5/5/2021) | 0.03 (5/8/2013) | (0.03 - 0.03)/(34 - 2) | 0 |
| ND<0.03 U (9/2/2021) | 0.03 (5/8/2013) | (0.03 - 0.03)/(35 - 2) | 0 |
| ND<0.03 U (11/23/2021) | 0.03 (5/8/2013) | (0.03 - 0.03)/(36 - 2) | 0 |
| ND<0.03 U (1/10/2022) | 0.03 (5/8/2013) | (0.03 - 0.03)/(37 - 2) | 0 |
| 0.074 (4/7/2022) | 0.03 (5/8/2013) | (0.074 - 0.03)/(38 - 2) | 0.00122222 |
| ND<0.03 U (8/3/2022) | 0.03 (5/8/2013) | (0.03 - 0.03)/(39 - 2) | 0 |
| ND<0.03 U (11/16/2022) | 0.03 (5/8/2013) | (0.03 - 0.03)/(40 - 2) | 0 |
| ND<0.03 U (2/13/2023) | 0.03 (5/8/2013) | (0.03 - 0.03)/(41 - 2) | 0 |
| 0.044 (5/24/2023) | 0.03 (5/8/2013) | (0.044 - 0.03)/(42 - 2) | 0.00035 |
| ND<0.03 U (8/7/2023) | 0.03 (5/8/2013) | (0.03 - 0.03)/(43 - 2) | 0 |
| ND<0.014 U (12/12/2023) | 0.03 (5/8/2013) | (0.014 - 0.03)/(44 - 2) | -0.000380952 |
| 0.041 (1/10/2024) | 0.03 (5/8/2013) | (0.041 - 0.03)/(45 - 2) | 0.000255814 |
| ND<0.03 U (5/20/2024) | 0.03 (5/8/2013) | (0.03 - 0.03)/(46 - 2) | 0 |
| 0.016 (9/16/2024) | 0.03 (5/8/2013) | (0.016 - 0.03)/(47 - 2) | -0.000311111 |
| 0.041 (12/11/2024) | 0.03 (5/8/2013) | (0.041 - 0.03)/(48 - 2) | 0.00023913 |
| ND<0.0196 U (2/18/2025) | 0.03 (5/8/2013) | (0.0196 - 0.03)/(49 - 2) | -0.000221277 |
| | | | |
| 0.079 (12/10/2013) | 0.026 (9/23/2013) | (0.079 - 0.026)/(4 - 3) | 0.053 |
| ND<0.025 U (2/6/2014) | 0.026 (9/23/2013) | (0.025 - 0.026)/(5 - 3) | -0.0005 |
| 0.035 (6/26/2014) | 0.026 (9/23/2013) | (0.035 - 0.026)/(6 - 3) | 0.003 |
| ND<0.025 U (9/30/2014) | 0.026 (9/23/2013) | (0.025 - 0.026)/(7 - 3) | -0.00025 |
| ND<0.025 U (11/19/2014) | 0.026 (9/23/2013) | (0.025 - 0.026)/(8 - 3) | -0.0002 |
| ND<0.025 U (3/23/2015) | 0.026 (9/23/2013) | (0.025 - 0.026)/(9 - 3) | -0.000166667 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | 0.026 (9/23/2013) | (0.025 - 0.026)/(10 - 3) | -0.000142857 |
| ND<0.025 U (9/30/2015) | 0.026 (9/23/2013) | (0.025 - 0.026)/(11 - 3) | -0.000125 |
| 0.1 (11/19/2015) | 0.026 (9/23/2013) | (0.1 - 0.026)/(12 - 3) | 0.00822222 |
| 0.032 (3/15/2016) | 0.026 (9/23/2013) | (0.032 - 0.026)/(13 - 3) | 0.0006 |
| 0.036 (6/29/2016) | 0.026 (9/23/2013) | (0.036 - 0.026)/(14 - 3) | 0.000909091 |
| ND<0.025 U (8/9/2016) | 0.026 (9/23/2013) | (0.025 - 0.026)/(15 - 3) | -8.33333e-05 |
| ND<0.025 U (12/7/2016) | 0.026 (9/23/2013) | (0.025 - 0.026)/(16 - 3) | -7.69231e-05 |
| ND<0.025 U (3/2/2017) | 0.026 (9/23/2013) | (0.025 - 0.026)/(17 - 3) | -7.14286e-05 |
| ND<0.025 U (6/21/2017) | 0.026 (9/23/2013) | (0.025 - 0.026)/(18 - 3) | -6.66667e-05 |
| ND<0.025 U (8/17/2017) | 0.026 (9/23/2013) | (0.025 - 0.026)/(19 - 3) | -6.25e-05 |
| ND<0.025 U (10/26/2017) | 0.026 (9/23/2013) | (0.025 - 0.026)/(20 - 3) | -5.88235e-05 |
| ND<0.025 U (3/27/2018) | 0.026 (9/23/2013) | (0.025 - 0.026)/(21 - 3) | -5.55556e-05 |
| ND<0.025 U (6/26/2018) | 0.026 (9/23/2013) | (0.025 - 0.026)/(22 - 3) | -5.26316e-05 |
| 0.159 (8/1/2018) | 0.026 (9/23/2013) | (0.159 - 0.026)/(23 - 3) | 0.00665 |
| ND<0.025 U (12/11/2018) | 0.026 (9/23/2013) | (0.025 - 0.026)/(24 - 3) | -4.7619e-05 |
| ND<0.025 U (4/17/2019) | 0.026 (9/23/2013) | (0.025 - 0.026)/(25 - 3) | -4.54545e-05 |
| 0.066 (6/11/2019) | 0.026 (9/23/2013) | (0.066 - 0.026)/(26 - 3) | 0.00173913 |
| ND<0.025 U (8/28/2019) | 0.026 (9/23/2013) | (0.025 - 0.026)/(27 - 3) | -4.16667e-05 |
| 0.044 (10/28/2019) | 0.026 (9/23/2013) | (0.044 - 0.026)/(28 - 3) | 0.00072 |
| 0.065 (3/31/2020) | 0.026 (9/23/2013) | (0.065 - 0.026)/(29 - 3) | 0.0015 |
| ND<0.03 U (6/10/2020) | 0.026 (9/23/2013) | (0.03 - 0.026)/(30 - 3) | 0.000148148 |
| ND<0.03 U (6/10/2020) | 0.026 (9/23/2013) | (0.03 - 0.026)/(30 - 3) | 0.000148148 |
| ND<0.03 U (9/21/2020) | 0.026 (9/23/2013) | (0.03 - 0.026)/(31 - 3) | 0.000142857 |
| ND<0.03 U (12/17/2020) | 0.026 (9/23/2013) | (0.03 - 0.026)/(32 - 3) | 0.000137931 |
| ND<0.03 U (3/18/2021) | 0.026 (9/23/2013) | (0.03 - 0.026)/(33 - 3) | 0.000133333 |
| ND<0.03 U (5/5/2021) | 0.026 (9/23/2013) | (0.03 - 0.026)/(34 - 3) | 0.000129032 |
| ND<0.03 U (9/2/2021) | 0.026 (9/23/2013) | (0.03 - 0.026)/(35 - 3) | 0.000125 |
| ND<0.03 U (11/23/2021) | 0.026 (9/23/2013) | (0.03 - 0.026)/(36 - 3) | 0.000121212 |
| ND<0.03 U (1/10/2022) | 0.026 (9/23/2013) | (0.03 - 0.026)/(37 - 3) | 0.000117647 |
| 0.074 (4/7/2022) | 0.026 (9/23/2013) | (0.074 - 0.026)/(38 - 3) | 0.00137143 |
| ND<0.03 U (8/3/2022) | 0.026 (9/23/2013) | (0.03 - 0.026)/(39 - 3) | 0.000111111 |
| ND<0.03 U (11/16/2022) | 0.026 (9/23/2013) | (0.03 - 0.026)/(40 - 3) | 0.000108108 |
| ND<0.03 U (2/13/2023) | 0.026 (9/23/2013) | (0.03 - 0.026)/(41 - 3) | 0.000105263 |
| 0.044 (5/24/2023) | 0.026 (9/23/2013) | (0.044 - 0.026)/(42 - 3) | 0.000461538 |
| ND<0.03 U (8/7/2023) | 0.026 (9/23/2013) | (0.03 - 0.026)/(43 - 3) | 0.0001 |
| ND<0.014 U (12/12/2023) | 0.026 (9/23/2013) | (0.014 - 0.026)/(44 - 3) | -0.000292683 |
| 0.041 (1/10/2024) | 0.026 (9/23/2013) | (0.041 - 0.026)/(45 - 3) | 0.000357143 |
| ND<0.03 U (5/20/2024) | 0.026 (9/23/2013) | (0.03 - 0.026)/(46 - 3) | 9.30233e-05 |
| 0.016 (9/16/2024) | 0.026 (9/23/2013) | (0.016 - 0.026)/(47 - 3) | -0.000227273 |
| 0.041 (12/11/2024) | 0.026 (9/23/2013) | (0.041 - 0.026)/(48 - 3) | 0.000333333 |
| ND<0.0196 U (2/18/2025) | 0.026 (9/23/2013) | (0.0196 - 0.026)/(49 - 3) | -0.00013913 |
| | | | |
| ND<0.025 U (2/6/2014) | 0.079 (12/10/2013) | (0.025 - 0.079)/(5 - 4) | -0.054 |
| 0.035 (6/26/2014) | 0.079 (12/10/2013) | (0.035 - 0.079)/(6 - 4) | -0.022 |
| ND<0.025 U (9/30/2014) | 0.079 (12/10/2013) | (0.025 - 0.079)/(7 - 4) | -0.018 |
| ND<0.025 U (11/19/2014) | 0.079 (12/10/2013) | (0.025 - 0.079)/(8 - 4) | -0.0135 |
| ND<0.025 U (3/23/2015) | 0.079 (12/10/2013) | (0.025 - 0.079)/(9 - 4) | -0.0108 |
| ND<0.025 U (4/22/2015) | 0.079 (12/10/2013) | (0.025 - 0.079)/(10 - 4) | -0.009 |
| ND<0.025 U (9/30/2015) | 0.079 (12/10/2013) | (0.025 - 0.079)/(11 - 4) | -0.00771429 |
| 0.1 (11/19/2015) | 0.079 (12/10/2013) | (0.1 - 0.079)/(12 - 4) | 0.002625 |
| 0.032 (3/15/2016) | 0.079 (12/10/2013) | (0.032 - 0.079)/(13 - 4) | -0.00522222 |
| 0.036 (6/29/2016) | 0.079 (12/10/2013) | (0.036 - 0.079)/(14 - 4) | -0.0043 |
| ND<0.025 U (8/9/2016) | 0.079 (12/10/2013) | (0.025 - 0.079)/(15 - 4) | -0.00490909 |
| ND<0.025 U (12/7/2016) | 0.079 (12/10/2013) | (0.025 - 0.079)/(16 - 4) | -0.0045 |
| ND<0.025 U (3/2/2017) | 0.079 (12/10/2013) | (0.025 - 0.079)/(17 - 4) | -0.00415385 |
| ND<0.025 U (6/21/2017) | 0.079 (12/10/2013) | (0.025 - 0.079)/(18 - 4) | -0.00385714 |
| ND<0.025 U (8/17/2017) | 0.079 (12/10/2013) | (0.025 - 0.079)/(19 - 4) | -0.0036 |

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|---|---|---|---|
| ND<0.025 U (10/26/2017) | 0.079 (12/10/2013) | (0.025 - 0.079)/(20 - 4) | -0.003375 |
| ND<0.025 U (3/27/2018) | 0.079 (12/10/2013) | (0.025 - 0.079)/(21 - 4) | -0.00317647 |
| ND<0.025 U (6/26/2018) | 0.079 (12/10/2013) | (0.025 - 0.079)/(22 - 4) | -0.003 |
| 0.159 (8/1/2018) | 0.079 (12/10/2013) | (0.159 - 0.079)/(23 - 4) | 0.00421053 |
| ND<0.025 U (12/11/2018) | 0.079 (12/10/2013) | (0.025 - 0.079)/(24 - 4) | -0.0027 |
| ND<0.025 U (4/17/2019) | 0.079 (12/10/2013) | (0.025 - 0.079)/(25 - 4) | -0.00257143 |
| 0.066 (6/11/2019) | 0.079 (12/10/2013) | (0.066 - 0.079)/(26 - 4) | -0.000590909 |
| ND<0.025 U (8/28/2019) | 0.079 (12/10/2013) | (0.025 - 0.079)/(27 - 4) | -0.00234783 |
| 0.044 (10/28/2019) | 0.079 (12/10/2013) | (0.044 - 0.079)/(28 - 4) | -0.00145833 |
| 0.065 (3/31/2020) | 0.079 (12/10/2013) | (0.065 - 0.079)/(29 - 4) | -0.00056 |
| ND<0.03 U (6/10/2020) | 0.079 (12/10/2013) | (0.03 - 0.079)/(30 - 4) | -0.00188462 |
| ND<0.03 U (6/10/2020) | 0.079 (12/10/2013) | (0.03 - 0.079)/(30 - 4) | -0.00188462 |
| ND<0.03 U (9/21/2020) | 0.079 (12/10/2013) | (0.03 - 0.079)/(31 - 4) | -0.00181481 |
| ND<0.03 U (12/17/2020) | 0.079 (12/10/2013) | (0.03 - 0.079)/(32 - 4) | -0.00175 |
| ND<0.03 U (3/18/2021) | 0.079 (12/10/2013) | (0.03 - 0.079)/(33 - 4) | -0.00168966 |
| ND<0.03 U (5/5/2021) | 0.079 (12/10/2013) | (0.03 - 0.079)/(34 - 4) | -0.00163333 |
| ND<0.03 U (9/2/2021) | 0.079 (12/10/2013) | (0.03 - 0.079)/(35 - 4) | -0.00158065 |
| ND<0.03 U (11/23/2021) | 0.079 (12/10/2013) | (0.03 - 0.079)/(36 - 4) | -0.00153125 |
| ND<0.03 U (1/10/2022) | 0.079 (12/10/2013) | (0.03 - 0.079)/(37 - 4) | -0.00148485 |
| 0.074 (4/7/2022) | 0.079 (12/10/2013) | (0.074 - 0.079)/(38 - 4) | -0.000147059 |
| ND<0.03 U (8/3/2022) | 0.079 (12/10/2013) | (0.03 - 0.079)/(39 - 4) | -0.0014 |
| ND<0.03 U (11/16/2022) | 0.079 (12/10/2013) | (0.03 - 0.079)/(40 - 4) | -0.00136111 |
| ND<0.03 U (2/13/2023) | 0.079 (12/10/2013) | (0.03 - 0.079)/(41 - 4) | -0.00132432 |
| 0.044 (5/24/2023) | 0.079 (12/10/2013) | (0.044 - 0.079)/(42 - 4) | -0.000921053 |
| ND<0.03 U (8/7/2023) | 0.079 (12/10/2013) | (0.03 - 0.079)/(43 - 4) | -0.00125641 |
| ND<0.014 U (12/12/2023) | 0.079 (12/10/2013) | (0.014 - 0.079)/(44 - 4) | -0.001625 |
| 0.041 (1/10/2024) | 0.079 (12/10/2013) | (0.041 - 0.079)/(45 - 4) | -0.000926829 |
| ND<0.03 U (5/20/2024) | 0.079 (12/10/2013) | (0.03 - 0.079)/(46 - 4) | -0.00116667 |
| 0.016 (9/16/2024) | 0.079 (12/10/2013) | (0.016 - 0.079)/(47 - 4) | -0.00146512 |
| 0.041 (12/11/2024) | 0.079 (12/10/2013) | (0.041 - 0.079)/(48 - 4) | -0.000863636 |
| ND<0.0196 U (2/18/2025) | 0.079 (12/10/2013) | (0.0196 - 0.079)/(49 - 4) | -0.00132 |

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|---|---|---|---|
| 0.035 (6/26/2014) | ND<0.025 U (2/6/2014) | (0.035 - 0.025)/(6 - 5) | 0.01 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(7 - 5) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(8 - 5) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(9 - 5) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(10 - 5) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(11 - 5) | 0 |
| 0.1 (11/19/2015) | ND<0.025 U (2/6/2014) | (0.1 - 0.025)/(12 - 5) | 0.0107143 |
| 0.032 (3/15/2016) | ND<0.025 U (2/6/2014) | (0.032 - 0.025)/(13 - 5) | 0.000875 |
| 0.036 (6/29/2016) | ND<0.025 U (2/6/2014) | (0.036 - 0.025)/(14 - 5) | 0.00122222 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(15 - 5) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(16 - 5) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(17 - 5) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(18 - 5) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(19 - 5) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(20 - 5) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(21 - 5) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(22 - 5) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (2/6/2014) | (0.159 - 0.025)/(23 - 5) | 0.00744444 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(24 - 5) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(25 - 5) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (2/6/2014) | (0.066 - 0.025)/(26 - 5) | 0.00195238 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(27 - 5) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (2/6/2014) | (0.044 - 0.025)/(28 - 5) | 0.000826087 |
| 0.065 (3/31/2020) | ND<0.025 U (2/6/2014) | (0.065 - 0.025)/(29 - 5) | 0.00166667 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(30 - 5) | 0.0002 |

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|---|---|---|---|
| ND<0.03 U (6/10/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(30 - 5) | 0.0002 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(31 - 5) | 0.000192308 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(32 - 5) | 0.000185185 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(33 - 5) | 0.000178571 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(34 - 5) | 0.000172414 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(35 - 5) | 0.000166667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(36 - 5) | 0.00016129 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(37 - 5) | 0.00015625 |
| 0.074 (4/7/2022) | ND<0.025 U (2/6/2014) | (0.074 - 0.025)/(38 - 5) | 0.00148485 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(39 - 5) | 0.000147059 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(40 - 5) | 0.000142857 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(41 - 5) | 0.000138889 |
| 0.044 (5/24/2023) | ND<0.025 U (2/6/2014) | (0.044 - 0.025)/(42 - 5) | 0.000513514 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(43 - 5) | 0.000131579 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(44 - 5) | -0.000282051 |
| 0.041 (1/10/2024) | ND<0.025 U (2/6/2014) | (0.041 - 0.025)/(45 - 5) | 0.0004 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(46 - 5) | 0.000121951 |
| 0.016 (9/16/2024) | ND<0.025 U (2/6/2014) | (0.016 - 0.025)/(47 - 5) | -0.000214286 |
| 0.041 (12/11/2024) | ND<0.025 U (2/6/2014) | (0.041 - 0.025)/(48 - 5) | 0.000372093 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (2/6/2014) | (0.0196 - 0.025)/(49 - 5) | -0.000122727 |

| | | | |
|---|---|---|---|
| ND<0.025 U (9/30/2014) | 0.035 (6/26/2014) | (0.025 - 0.035)/(7 - 6) | -0.01 |
| ND<0.025 U (11/19/2014) | 0.035 (6/26/2014) | (0.025 - 0.035)/(8 - 6) | -0.005 |
| ND<0.025 U (3/23/2015) | 0.035 (6/26/2014) | (0.025 - 0.035)/(9 - 6) | -0.00333333 |
| ND<0.025 U (4/22/2015) | 0.035 (6/26/2014) | (0.025 - 0.035)/(10 - 6) | -0.0025 |
| ND<0.025 U (9/30/2015) | 0.035 (6/26/2014) | (0.025 - 0.035)/(11 - 6) | -0.002 |
| 0.1 (11/19/2015) | 0.035 (6/26/2014) | (0.1 - 0.035)/(12 - 6) | 0.0108333 |
| 0.032 (3/15/2016) | 0.035 (6/26/2014) | (0.032 - 0.035)/(13 - 6) | -0.000428571 |
| 0.036 (6/29/2016) | 0.035 (6/26/2014) | (0.036 - 0.035)/(14 - 6) | 0.000125 |
| ND<0.025 U (8/9/2016) | 0.035 (6/26/2014) | (0.025 - 0.035)/(15 - 6) | -0.00111111 |
| ND<0.025 U (12/7/2016) | 0.035 (6/26/2014) | (0.025 - 0.035)/(16 - 6) | -0.001 |
| ND<0.025 U (3/2/2017) | 0.035 (6/26/2014) | (0.025 - 0.035)/(17 - 6) | -0.000909091 |
| ND<0.025 U (6/21/2017) | 0.035 (6/26/2014) | (0.025 - 0.035)/(18 - 6) | -0.000833333 |
| ND<0.025 U (8/17/2017) | 0.035 (6/26/2014) | (0.025 - 0.035)/(19 - 6) | -0.000769231 |
| ND<0.025 U (10/26/2017) | 0.035 (6/26/2014) | (0.025 - 0.035)/(20 - 6) | -0.000714286 |
| ND<0.025 U (3/27/2018) | 0.035 (6/26/2014) | (0.025 - 0.035)/(21 - 6) | -0.000666667 |
| ND<0.025 U (6/26/2018) | 0.035 (6/26/2014) | (0.025 - 0.035)/(22 - 6) | -0.000625 |
| 0.159 (8/1/2018) | 0.035 (6/26/2014) | (0.159 - 0.035)/(23 - 6) | 0.00729412 |
| ND<0.025 U (12/11/2018) | 0.035 (6/26/2014) | (0.025 - 0.035)/(24 - 6) | -0.000555556 |
| ND<0.025 U (4/17/2019) | 0.035 (6/26/2014) | (0.025 - 0.035)/(25 - 6) | -0.000526316 |
| 0.066 (6/11/2019) | 0.035 (6/26/2014) | (0.066 - 0.035)/(26 - 6) | 0.00155 |
| ND<0.025 U (8/28/2019) | 0.035 (6/26/2014) | (0.025 - 0.035)/(27 - 6) | -0.00047619 |
| 0.044 (10/28/2019) | 0.035 (6/26/2014) | (0.044 - 0.035)/(28 - 6) | 0.000409091 |
| 0.065 (3/31/2020) | 0.035 (6/26/2014) | (0.065 - 0.035)/(29 - 6) | 0.00130435 |
| ND<0.03 U (6/10/2020) | 0.035 (6/26/2014) | (0.03 - 0.035)/(30 - 6) | -0.000208333 |
| ND<0.03 U (6/10/2020) | 0.035 (6/26/2014) | (0.03 - 0.035)/(30 - 6) | -0.000208333 |
| ND<0.03 U (9/21/2020) | 0.035 (6/26/2014) | (0.03 - 0.035)/(31 - 6) | -0.0002 |
| ND<0.03 U (12/17/2020) | 0.035 (6/26/2014) | (0.03 - 0.035)/(32 - 6) | -0.000192308 |
| ND<0.03 U (3/18/2021) | 0.035 (6/26/2014) | (0.03 - 0.035)/(33 - 6) | -0.000185185 |
| ND<0.03 U (5/5/2021) | 0.035 (6/26/2014) | (0.03 - 0.035)/(34 - 6) | -0.000178571 |
| ND<0.03 U (9/2/2021) | 0.035 (6/26/2014) | (0.03 - 0.035)/(35 - 6) | -0.000172414 |
| ND<0.03 U (11/23/2021) | 0.035 (6/26/2014) | (0.03 - 0.035)/(36 - 6) | -0.000166667 |
| ND<0.03 U (1/10/2022) | 0.035 (6/26/2014) | (0.03 - 0.035)/(37 - 6) | -0.00016129 |
| 0.074 (4/7/2022) | 0.035 (6/26/2014) | (0.074 - 0.035)/(38 - 6) | 0.00121875 |
| ND<0.03 U (8/3/2022) | 0.035 (6/26/2014) | (0.03 - 0.035)/(39 - 6) | -0.000151515 |
| ND<0.03 U (11/16/2022) | 0.035 (6/26/2014) | (0.03 - 0.035)/(40 - 6) | -0.000147059 |
| ND<0.03 U (2/13/2023) | 0.035 (6/26/2014) | (0.03 - 0.035)/(41 - 6) | -0.000142857 |

| | | | |
|---|---|---|---|
| 0.044 (5/24/2023) | 0.035 (6/26/2014) | (0.044 - 0.035)/(42 - 6) | 0.00025 |
| ND<0.03 U (8/7/2023) | 0.035 (6/26/2014) | (0.03 - 0.035)/(43 - 6) | -0.000135135 |
| ND<0.014 U (12/12/2023) | 0.035 (6/26/2014) | (0.014 - 0.035)/(44 - 6) | -0.000552632 |
| 0.041 (1/10/2024) | 0.035 (6/26/2014) | (0.041 - 0.035)/(45 - 6) | 0.000153846 |
| ND<0.03 U (5/20/2024) | 0.035 (6/26/2014) | (0.03 - 0.035)/(46 - 6) | -0.000125 |
| 0.016 (9/16/2024) | 0.035 (6/26/2014) | (0.016 - 0.035)/(47 - 6) | -0.000463415 |
| 0.041 (12/11/2024) | 0.035 (6/26/2014) | (0.041 - 0.035)/(48 - 6) | 0.000142857 |
| ND<0.0196 U (2/18/2025) | 0.035 (6/26/2014) | (0.0196 - 0.035)/(49 - 6) | -0.00035814 |
| | | | |
| ND<0.025 U (11/19/2014) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(8 - 7) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(9 - 7) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| 0.1 (11/19/2015) | ND<0.025 U (9/30/2014) | (0.1 - 0.025)/(12 - 7) | 0.015 |
| 0.032 (3/15/2016) | ND<0.025 U (9/30/2014) | (0.032 - 0.025)/(13 - 7) | 0.00116667 |
| 0.036 (6/29/2016) | ND<0.025 U (9/30/2014) | (0.036 - 0.025)/(14 - 7) | 0.00157143 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(18 - 7) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(19 - 7) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(20 - 7) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (9/30/2014) | (0.159 - 0.025)/(23 - 7) | 0.008375 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (9/30/2014) | (0.066 - 0.025)/(26 - 7) | 0.00215789 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (9/30/2014) | (0.044 - 0.025)/(28 - 7) | 0.000904762 |
| 0.065 (3/31/2020) | ND<0.025 U (9/30/2014) | (0.065 - 0.025)/(29 - 7) | 0.00181818 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 7) | 0.0002 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 7) | 0.000185185 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 7) | 0.000166667 |
| 0.074 (4/7/2022) | ND<0.025 U (9/30/2014) | (0.074 - 0.025)/(38 - 7) | 0.00158065 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 7) | 0.000151515 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(41 - 7) | 0.000147059 |
| 0.044 (5/24/2023) | ND<0.025 U (9/30/2014) | (0.044 - 0.025)/(42 - 7) | 0.000542857 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(43 - 7) | 0.000138889 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(44 - 7) | -0.000297297 |
| 0.041 (1/10/2024) | ND<0.025 U (9/30/2014) | (0.041 - 0.025)/(45 - 7) | 0.000421053 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(46 - 7) | 0.000128205 |
| 0.016 (9/16/2024) | ND<0.025 U (9/30/2014) | (0.016 - 0.025)/(47 - 7) | -0.000225 |
| 0.041 (12/11/2024) | ND<0.025 U (9/30/2014) | (0.041 - 0.025)/(48 - 7) | 0.000390244 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (9/30/2014) | (0.0196 - 0.025)/(49 - 7) | -0.000128571 |
| | | | |
| ND<0.025 U (3/23/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(9 - 8) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(10 - 8) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(11 - 8) | 0 |
| 0.1 (11/19/2015) | ND<0.025 U (11/19/2014) | (0.1 - 0.025)/(12 - 8) | 0.01875 |

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|---|---|---|---|
| 0.032 (3/15/2016) | ND<0.025 U (11/19/2014) | (0.032 - 0.025)/(13 - 8) | 0.0014 |
| 0.036 (6/29/2016) | ND<0.025 U (11/19/2014) | (0.036 - 0.025)/(14 - 8) | 0.00183333 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(15 - 8) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(16 - 8) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(17 - 8) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(18 - 8) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(19 - 8) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(20 - 8) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(21 - 8) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(22 - 8) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (11/19/2014) | (0.159 - 0.025)/(23 - 8) | 0.00893333 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(24 - 8) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(25 - 8) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (11/19/2014) | (0.066 - 0.025)/(26 - 8) | 0.00227778 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(27 - 8) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (11/19/2014) | (0.044 - 0.025)/(28 - 8) | 0.00095 |
| 0.065 (3/31/2020) | ND<0.025 U (11/19/2014) | (0.065 - 0.025)/(29 - 8) | 0.00190476 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(30 - 8) | 0.000227273 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(30 - 8) | 0.000227273 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(31 - 8) | 0.000217391 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(32 - 8) | 0.000208333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(33 - 8) | 0.0002 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(34 - 8) | 0.000192308 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(35 - 8) | 0.000185185 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(36 - 8) | 0.000178571 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(37 - 8) | 0.000172414 |
| 0.074 (4/7/2022) | ND<0.025 U (11/19/2014) | (0.074 - 0.025)/(38 - 8) | 0.00163333 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(39 - 8) | 0.00016129 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(40 - 8) | 0.00015625 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(41 - 8) | 0.000151515 |
| 0.044 (5/24/2023) | ND<0.025 U (11/19/2014) | (0.044 - 0.025)/(42 - 8) | 0.000558824 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(43 - 8) | 0.000142857 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2014) | (0.014 - 0.025)/(44 - 8) | -0.000305556 |
| 0.041 (1/10/2024) | ND<0.025 U (11/19/2014) | (0.041 - 0.025)/(45 - 8) | 0.000432432 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(46 - 8) | 0.000131579 |
| 0.016 (9/16/2024) | ND<0.025 U (11/19/2014) | (0.016 - 0.025)/(47 - 8) | -0.000230769 |
| 0.041 (12/11/2024) | ND<0.025 U (11/19/2014) | (0.041 - 0.025)/(48 - 8) | 0.0004 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (11/19/2014) | (0.0196 - 0.025)/(49 - 8) | -0.000131707 |
| | | | |
| ND<0.025 U (4/22/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(10 - 9) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(11 - 9) | 0 |
| 0.1 (11/19/2015) | ND<0.025 U (3/23/2015) | (0.1 - 0.025)/(12 - 9) | 0.025 |
| 0.032 (3/15/2016) | ND<0.025 U (3/23/2015) | (0.032 - 0.025)/(13 - 9) | 0.00175 |
| 0.036 (6/29/2016) | ND<0.025 U (3/23/2015) | (0.036 - 0.025)/(14 - 9) | 0.0022 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(15 - 9) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(16 - 9) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(17 - 9) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(18 - 9) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(19 - 9) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(20 - 9) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(21 - 9) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(22 - 9) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (3/23/2015) | (0.159 - 0.025)/(23 - 9) | 0.00957143 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(24 - 9) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(25 - 9) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (3/23/2015) | (0.066 - 0.025)/(26 - 9) | 0.00241176 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(27 - 9) | 0 |

| | | | |
|---|---|---|---|
| 0.044 (10/28/2019) | ND<0.025 U (3/23/2015) | (0.044 - 0.025)/(28 - 9) | 0.001 |
| 0.065 (3/31/2020) | ND<0.025 U (3/23/2015) | (0.065 - 0.025)/(29 - 9) | 0.002 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(30 - 9) | 0.000238095 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(30 - 9) | 0.000238095 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(31 - 9) | 0.000227273 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(32 - 9) | 0.000217391 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(33 - 9) | 0.000208333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(34 - 9) | 0.0002 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(35 - 9) | 0.000192308 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(36 - 9) | 0.000185185 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(37 - 9) | 0.000178571 |
| 0.074 (4/7/2022) | ND<0.025 U (3/23/2015) | (0.074 - 0.025)/(38 - 9) | 0.00168966 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(39 - 9) | 0.000166667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(40 - 9) | 0.00016129 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(41 - 9) | 0.00015625 |
| 0.044 (5/24/2023) | ND<0.025 U (3/23/2015) | (0.044 - 0.025)/(42 - 9) | 0.000575758 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(43 - 9) | 0.000147059 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(44 - 9) | -0.000314286 |
| 0.041 (1/10/2024) | ND<0.025 U (3/23/2015) | (0.041 - 0.025)/(45 - 9) | 0.000444444 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(46 - 9) | 0.000135135 |
| 0.016 (9/16/2024) | ND<0.025 U (3/23/2015) | (0.016 - 0.025)/(47 - 9) | -0.000236842 |
| 0.041 (12/11/2024) | ND<0.025 U (3/23/2015) | (0.041 - 0.025)/(48 - 9) | 0.000410256 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (3/23/2015) | (0.0196 - 0.025)/(49 - 9) | -0.000135 |
| | | | |
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| 0.1 (11/19/2015) | ND<0.025 U (4/22/2015) | (0.1 - 0.025)/(12 - 10) | 0.0375 |
| 0.032 (3/15/2016) | ND<0.025 U (4/22/2015) | (0.032 - 0.025)/(13 - 10) | 0.00233333 |
| 0.036 (6/29/2016) | ND<0.025 U (4/22/2015) | (0.036 - 0.025)/(14 - 10) | 0.00275 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(18 - 10) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(19 - 10) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(20 - 10) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (4/22/2015) | (0.159 - 0.025)/(23 - 10) | 0.0103077 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (4/22/2015) | (0.066 - 0.025)/(26 - 10) | 0.0025625 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (4/22/2015) | (0.044 - 0.025)/(28 - 10) | 0.00105556 |
| 0.065 (3/31/2020) | ND<0.025 U (4/22/2015) | (0.065 - 0.025)/(29 - 10) | 0.00210526 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| 0.074 (4/7/2022) | ND<0.025 U (4/22/2015) | (0.074 - 0.025)/(38 - 10) | 0.00175 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(41 - 10) | 0.00016129 |
| 0.044 (5/24/2023) | ND<0.025 U (4/22/2015) | (0.044 - 0.025)/(42 - 10) | 0.00059375 |

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|---|---|---|---|
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(43 - 10) | 0.000151515 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(44 - 10) | -0.000323529 |
| 0.041 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.041 - 0.025)/(45 - 10) | 0.000457143 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(46 - 10) | 0.000138889 |
| 0.016 (9/16/2024) | ND<0.025 U (4/22/2015) | (0.016 - 0.025)/(47 - 10) | -0.000243243 |
| 0.041 (12/11/2024) | ND<0.025 U (4/22/2015) | (0.041 - 0.025)/(48 - 10) | 0.000421053 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (4/22/2015) | (0.0196 - 0.025)/(49 - 10) | -0.000138462 |
| | | | |
| 0.1 (11/19/2015) | ND<0.025 U (9/30/2015) | (0.1 - 0.025)/(12 - 11) | 0.075 |
| 0.032 (3/15/2016) | ND<0.025 U (9/30/2015) | (0.032 - 0.025)/(13 - 11) | 0.0035 |
| 0.036 (6/29/2016) | ND<0.025 U (9/30/2015) | (0.036 - 0.025)/(14 - 11) | 0.00366667 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(18 - 11) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(19 - 11) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(20 - 11) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (9/30/2015) | (0.159 - 0.025)/(23 - 11) | 0.0111667 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (9/30/2015) | (0.066 - 0.025)/(26 - 11) | 0.00273333 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (9/30/2015) | (0.044 - 0.025)/(28 - 11) | 0.00111765 |
| 0.065 (3/31/2020) | ND<0.025 U (9/30/2015) | (0.065 - 0.025)/(29 - 11) | 0.00222222 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| 0.074 (4/7/2022) | ND<0.025 U (9/30/2015) | (0.074 - 0.025)/(38 - 11) | 0.00181481 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(41 - 11) | 0.000166667 |
| 0.044 (5/24/2023) | ND<0.025 U (9/30/2015) | (0.044 - 0.025)/(42 - 11) | 0.000612903 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(43 - 11) | 0.00015625 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(44 - 11) | -0.000333333 |
| 0.041 (1/10/2024) | ND<0.025 U (9/30/2015) | (0.041 - 0.025)/(45 - 11) | 0.000470588 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(46 - 11) | 0.000142857 |
| 0.016 (9/16/2024) | ND<0.025 U (9/30/2015) | (0.016 - 0.025)/(47 - 11) | -0.00025 |
| 0.041 (12/11/2024) | ND<0.025 U (9/30/2015) | (0.041 - 0.025)/(48 - 11) | 0.000432432 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (9/30/2015) | (0.0196 - 0.025)/(49 - 11) | -0.000142105 |
| | | | |
| 0.032 (3/15/2016) | 0.1 (11/19/2015) | (0.032 - 0.1)/(13 - 12) | -0.068 |
| 0.036 (6/29/2016) | 0.1 (11/19/2015) | (0.036 - 0.1)/(14 - 12) | -0.032 |
| ND<0.025 U (8/9/2016) | 0.1 (11/19/2015) | (0.025 - 0.1)/(15 - 12) | -0.025 |
| ND<0.025 U (12/7/2016) | 0.1 (11/19/2015) | (0.025 - 0.1)/(16 - 12) | -0.01875 |
| ND<0.025 U (3/2/2017) | 0.1 (11/19/2015) | (0.025 - 0.1)/(17 - 12) | -0.015 |
| ND<0.025 U (6/21/2017) | 0.1 (11/19/2015) | (0.025 - 0.1)/(18 - 12) | -0.0125 |
| ND<0.025 U (8/17/2017) | 0.1 (11/19/2015) | (0.025 - 0.1)/(19 - 12) | -0.0107143 |
| ND<0.025 U (10/26/2017) | 0.1 (11/19/2015) | (0.025 - 0.1)/(20 - 12) | -0.009375 |
| ND<0.025 U (3/27/2018) | 0.1 (11/19/2015) | (0.025 - 0.1)/(21 - 12) | -0.00833333 |

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|---|---|---|---|
| ND<0.025 U (6/26/2018) | 0.1 (11/19/2015) | (0.025 - 0.1)/(22 - 12) | -0.0075 |
| 0.159 (8/1/2018) | 0.1 (11/19/2015) | (0.159 - 0.1)/(23 - 12) | 0.00536364 |
| ND<0.025 U (12/11/2018) | 0.1 (11/19/2015) | (0.025 - 0.1)/(24 - 12) | -0.00625 |
| ND<0.025 U (4/17/2019) | 0.1 (11/19/2015) | (0.025 - 0.1)/(25 - 12) | -0.00576923 |
| 0.066 (6/11/2019) | 0.1 (11/19/2015) | (0.066 - 0.1)/(26 - 12) | -0.00242857 |
| ND<0.025 U (8/28/2019) | 0.1 (11/19/2015) | (0.025 - 0.1)/(27 - 12) | -0.005 |
| 0.044 (10/28/2019) | 0.1 (11/19/2015) | (0.044 - 0.1)/(28 - 12) | -0.0035 |
| 0.065 (3/31/2020) | 0.1 (11/19/2015) | (0.065 - 0.1)/(29 - 12) | -0.00205882 |
| ND<0.03 U (6/10/2020) | 0.1 (11/19/2015) | (0.03 - 0.1)/(30 - 12) | -0.00388889 |
| ND<0.03 U (6/10/2020) | 0.1 (11/19/2015) | (0.03 - 0.1)/(30 - 12) | -0.00388889 |
| ND<0.03 U (9/21/2020) | 0.1 (11/19/2015) | (0.03 - 0.1)/(31 - 12) | -0.00368421 |
| ND<0.03 U (12/17/2020) | 0.1 (11/19/2015) | (0.03 - 0.1)/(32 - 12) | -0.0035 |
| ND<0.03 U (3/18/2021) | 0.1 (11/19/2015) | (0.03 - 0.1)/(33 - 12) | -0.00333333 |
| ND<0.03 U (5/5/2021) | 0.1 (11/19/2015) | (0.03 - 0.1)/(34 - 12) | -0.00318182 |
| ND<0.03 U (9/2/2021) | 0.1 (11/19/2015) | (0.03 - 0.1)/(35 - 12) | -0.00304348 |
| ND<0.03 U (11/23/2021) | 0.1 (11/19/2015) | (0.03 - 0.1)/(36 - 12) | -0.00291667 |
| ND<0.03 U (1/10/2022) | 0.1 (11/19/2015) | (0.03 - 0.1)/(37 - 12) | -0.0028 |
| 0.074 (4/7/2022) | 0.1 (11/19/2015) | (0.074 - 0.1)/(38 - 12) | -0.001 |
| ND<0.03 U (8/3/2022) | 0.1 (11/19/2015) | (0.03 - 0.1)/(39 - 12) | -0.00259259 |
| ND<0.03 U (11/16/2022) | 0.1 (11/19/2015) | (0.03 - 0.1)/(40 - 12) | -0.0025 |
| ND<0.03 U (2/13/2023) | 0.1 (11/19/2015) | (0.03 - 0.1)/(41 - 12) | -0.00241379 |
| 0.044 (5/24/2023) | 0.1 (11/19/2015) | (0.044 - 0.1)/(42 - 12) | -0.00186667 |
| ND<0.03 U (8/7/2023) | 0.1 (11/19/2015) | (0.03 - 0.1)/(43 - 12) | -0.00225806 |
| ND<0.014 U (12/12/2023) | 0.1 (11/19/2015) | (0.014 - 0.1)/(44 - 12) | -0.0026875 |
| 0.041 (1/10/2024) | 0.1 (11/19/2015) | (0.041 - 0.1)/(45 - 12) | -0.00178788 |
| ND<0.03 U (5/20/2024) | 0.1 (11/19/2015) | (0.03 - 0.1)/(46 - 12) | -0.00205882 |
| 0.016 (9/16/2024) | 0.1 (11/19/2015) | (0.016 - 0.1)/(47 - 12) | -0.0024 |
| 0.041 (12/11/2024) | 0.1 (11/19/2015) | (0.041 - 0.1)/(48 - 12) | -0.00163889 |
| ND<0.0196 U (2/18/2025) | 0.1 (11/19/2015) | (0.0196 - 0.1)/(49 - 12) | -0.00217297 |
| | | | |
| 0.036 (6/29/2016) | 0.032 (3/15/2016) | (0.036 - 0.032)/(14 - 13) | 0.004 |
| ND<0.025 U (8/9/2016) | 0.032 (3/15/2016) | (0.025 - 0.032)/(15 - 13) | -0.0035 |
| ND<0.025 U (12/7/2016) | 0.032 (3/15/2016) | (0.025 - 0.032)/(16 - 13) | -0.00233333 |
| ND<0.025 U (3/2/2017) | 0.032 (3/15/2016) | (0.025 - 0.032)/(17 - 13) | -0.00175 |
| ND<0.025 U (6/21/2017) | 0.032 (3/15/2016) | (0.025 - 0.032)/(18 - 13) | -0.0014 |
| ND<0.025 U (8/17/2017) | 0.032 (3/15/2016) | (0.025 - 0.032)/(19 - 13) | -0.00116667 |
| ND<0.025 U (10/26/2017) | 0.032 (3/15/2016) | (0.025 - 0.032)/(20 - 13) | -0.001 |
| ND<0.025 U (3/27/2018) | 0.032 (3/15/2016) | (0.025 - 0.032)/(21 - 13) | -0.000875 |
| ND<0.025 U (6/26/2018) | 0.032 (3/15/2016) | (0.025 - 0.032)/(22 - 13) | -0.000777778 |
| 0.159 (8/1/2018) | 0.032 (3/15/2016) | (0.159 - 0.032)/(23 - 13) | 0.0127 |
| ND<0.025 U (12/11/2018) | 0.032 (3/15/2016) | (0.025 - 0.032)/(24 - 13) | -0.000636364 |
| ND<0.025 U (4/17/2019) | 0.032 (3/15/2016) | (0.025 - 0.032)/(25 - 13) | -0.000583333 |
| 0.066 (6/11/2019) | 0.032 (3/15/2016) | (0.066 - 0.032)/(26 - 13) | 0.00261538 |
| ND<0.025 U (8/28/2019) | 0.032 (3/15/2016) | (0.025 - 0.032)/(27 - 13) | -0.0005 |
| 0.044 (10/28/2019) | 0.032 (3/15/2016) | (0.044 - 0.032)/(28 - 13) | 0.0008 |
| 0.065 (3/31/2020) | 0.032 (3/15/2016) | (0.065 - 0.032)/(29 - 13) | 0.0020625 |
| ND<0.03 U (6/10/2020) | 0.032 (3/15/2016) | (0.03 - 0.032)/(30 - 13) | -0.000117647 |
| ND<0.03 U (6/10/2020) | 0.032 (3/15/2016) | (0.03 - 0.032)/(30 - 13) | -0.000117647 |
| ND<0.03 U (9/21/2020) | 0.032 (3/15/2016) | (0.03 - 0.032)/(31 - 13) | -0.000111111 |
| ND<0.03 U (12/17/2020) | 0.032 (3/15/2016) | (0.03 - 0.032)/(32 - 13) | -0.000105263 |
| ND<0.03 U (3/18/2021) | 0.032 (3/15/2016) | (0.03 - 0.032)/(33 - 13) | -0.0001 |
| ND<0.03 U (5/5/2021) | 0.032 (3/15/2016) | (0.03 - 0.032)/(34 - 13) | -9.52381e-05 |
| ND<0.03 U (9/2/2021) | 0.032 (3/15/2016) | (0.03 - 0.032)/(35 - 13) | -9.09091e-05 |
| ND<0.03 U (11/23/2021) | 0.032 (3/15/2016) | (0.03 - 0.032)/(36 - 13) | -8.69565e-05 |
| ND<0.03 U (1/10/2022) | 0.032 (3/15/2016) | (0.03 - 0.032)/(37 - 13) | -8.33333e-05 |
| 0.074 (4/7/2022) | 0.032 (3/15/2016) | (0.074 - 0.032)/(38 - 13) | 0.00168 |
| ND<0.03 U (8/3/2022) | 0.032 (3/15/2016) | (0.03 - 0.032)/(39 - 13) | -7.69231e-05 |

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|---|---|---|---|
| ND<0.03 U (11/16/2022) | 0.032 (3/15/2016) | (0.03 - 0.032)/(40 - 13) | -7.40741e-05 |
| ND<0.03 U (2/13/2023) | 0.032 (3/15/2016) | (0.03 - 0.032)/(41 - 13) | -7.14286e-05 |
| 0.044 (5/24/2023) | 0.032 (3/15/2016) | (0.044 - 0.032)/(42 - 13) | 0.000413793 |
| ND<0.03 U (8/7/2023) | 0.032 (3/15/2016) | (0.03 - 0.032)/(43 - 13) | -6.66667e-05 |
| ND<0.014 U (12/12/2023) | 0.032 (3/15/2016) | (0.014 - 0.032)/(44 - 13) | -0.000580645 |
| 0.041 (1/10/2024) | 0.032 (3/15/2016) | (0.041 - 0.032)/(45 - 13) | 0.00028125 |
| ND<0.03 U (5/20/2024) | 0.032 (3/15/2016) | (0.03 - 0.032)/(46 - 13) | -6.06061e-05 |
| 0.016 (9/16/2024) | 0.032 (3/15/2016) | (0.016 - 0.032)/(47 - 13) | -0.000470588 |
| 0.041 (12/11/2024) | 0.032 (3/15/2016) | (0.041 - 0.032)/(48 - 13) | 0.000257143 |
| ND<0.0196 U (2/18/2025) | 0.032 (3/15/2016) | (0.0196 - 0.032)/(49 - 13) | -0.000344444 |
| | | | |
| ND<0.025 U (8/9/2016) | 0.036 (6/29/2016) | (0.025 - 0.036)/(15 - 14) | -0.011 |
| ND<0.025 U (12/7/2016) | 0.036 (6/29/2016) | (0.025 - 0.036)/(16 - 14) | -0.0055 |
| ND<0.025 U (3/2/2017) | 0.036 (6/29/2016) | (0.025 - 0.036)/(17 - 14) | -0.00366667 |
| ND<0.025 U (6/21/2017) | 0.036 (6/29/2016) | (0.025 - 0.036)/(18 - 14) | -0.00275 |
| ND<0.025 U (8/17/2017) | 0.036 (6/29/2016) | (0.025 - 0.036)/(19 - 14) | -0.0022 |
| ND<0.025 U (10/26/2017) | 0.036 (6/29/2016) | (0.025 - 0.036)/(20 - 14) | -0.00183333 |
| ND<0.025 U (3/27/2018) | 0.036 (6/29/2016) | (0.025 - 0.036)/(21 - 14) | -0.00157143 |
| ND<0.025 U (6/26/2018) | 0.036 (6/29/2016) | (0.025 - 0.036)/(22 - 14) | -0.001375 |
| 0.159 (8/1/2018) | 0.036 (6/29/2016) | (0.159 - 0.036)/(23 - 14) | 0.0136667 |
| ND<0.025 U (12/11/2018) | 0.036 (6/29/2016) | (0.025 - 0.036)/(24 - 14) | -0.0011 |
| ND<0.025 U (4/17/2019) | 0.036 (6/29/2016) | (0.025 - 0.036)/(25 - 14) | -0.001 |
| 0.066 (6/11/2019) | 0.036 (6/29/2016) | (0.066 - 0.036)/(26 - 14) | 0.0025 |
| ND<0.025 U (8/28/2019) | 0.036 (6/29/2016) | (0.025 - 0.036)/(27 - 14) | -0.000846154 |
| 0.044 (10/28/2019) | 0.036 (6/29/2016) | (0.044 - 0.036)/(28 - 14) | 0.000571429 |
| 0.065 (3/31/2020) | 0.036 (6/29/2016) | (0.065 - 0.036)/(29 - 14) | 0.00193333 |
| ND<0.03 U (6/10/2020) | 0.036 (6/29/2016) | (0.03 - 0.036)/(30 - 14) | -0.000375 |
| ND<0.03 U (6/10/2020) | 0.036 (6/29/2016) | (0.03 - 0.036)/(30 - 14) | -0.000375 |
| ND<0.03 U (9/21/2020) | 0.036 (6/29/2016) | (0.03 - 0.036)/(31 - 14) | -0.000352941 |
| ND<0.03 U (12/17/2020) | 0.036 (6/29/2016) | (0.03 - 0.036)/(32 - 14) | -0.000333333 |
| ND<0.03 U (3/18/2021) | 0.036 (6/29/2016) | (0.03 - 0.036)/(33 - 14) | -0.000315789 |
| ND<0.03 U (5/5/2021) | 0.036 (6/29/2016) | (0.03 - 0.036)/(34 - 14) | -0.0003 |
| ND<0.03 U (9/2/2021) | 0.036 (6/29/2016) | (0.03 - 0.036)/(35 - 14) | -0.000285714 |
| ND<0.03 U (11/23/2021) | 0.036 (6/29/2016) | (0.03 - 0.036)/(36 - 14) | -0.000272727 |
| ND<0.03 U (1/10/2022) | 0.036 (6/29/2016) | (0.03 - 0.036)/(37 - 14) | -0.00026087 |
| 0.074 (4/7/2022) | 0.036 (6/29/2016) | (0.074 - 0.036)/(38 - 14) | 0.00158333 |
| ND<0.03 U (8/3/2022) | 0.036 (6/29/2016) | (0.03 - 0.036)/(39 - 14) | -0.00024 |
| ND<0.03 U (11/16/2022) | 0.036 (6/29/2016) | (0.03 - 0.036)/(40 - 14) | -0.000230769 |
| ND<0.03 U (2/13/2023) | 0.036 (6/29/2016) | (0.03 - 0.036)/(41 - 14) | -0.000222222 |
| 0.044 (5/24/2023) | 0.036 (6/29/2016) | (0.044 - 0.036)/(42 - 14) | 0.000285714 |
| ND<0.03 U (8/7/2023) | 0.036 (6/29/2016) | (0.03 - 0.036)/(43 - 14) | -0.000206897 |
| ND<0.014 U (12/12/2023) | 0.036 (6/29/2016) | (0.014 - 0.036)/(44 - 14) | -0.000733333 |
| 0.041 (1/10/2024) | 0.036 (6/29/2016) | (0.041 - 0.036)/(45 - 14) | 0.00016129 |
| ND<0.03 U (5/20/2024) | 0.036 (6/29/2016) | (0.03 - 0.036)/(46 - 14) | -0.0001875 |
| 0.016 (9/16/2024) | 0.036 (6/29/2016) | (0.016 - 0.036)/(47 - 14) | -0.000606061 |
| 0.041 (12/11/2024) | 0.036 (6/29/2016) | (0.041 - 0.036)/(48 - 14) | 0.000147059 |
| ND<0.0196 U (2/18/2025) | 0.036 (6/29/2016) | (0.0196 - 0.036)/(49 - 14) | -0.000468571 |
| | | | |
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(18 - 15) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(19 - 15) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(20 - 15) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (8/9/2016) | (0.159 - 0.025)/(23 - 15) | 0.01675 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |

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|---|---|---|---|
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (8/9/2016) | (0.066 - 0.025)/(26 - 15) | 0.00372727 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (8/9/2016) | (0.044 - 0.025)/(28 - 15) | 0.00146154 |
| 0.065 (3/31/2020) | ND<0.025 U (8/9/2016) | (0.065 - 0.025)/(29 - 15) | 0.00285714 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |
| 0.074 (4/7/2022) | ND<0.025 U (8/9/2016) | (0.074 - 0.025)/(38 - 15) | 0.00213043 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(41 - 15) | 0.000192308 |
| 0.044 (5/24/2023) | ND<0.025 U (8/9/2016) | (0.044 - 0.025)/(42 - 15) | 0.000703704 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(43 - 15) | 0.000178571 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(44 - 15) | -0.00037931 |
| 0.041 (1/10/2024) | ND<0.025 U (8/9/2016) | (0.041 - 0.025)/(45 - 15) | 0.000533333 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(46 - 15) | 0.00016129 |
| 0.016 (9/16/2024) | ND<0.025 U (8/9/2016) | (0.016 - 0.025)/(47 - 15) | -0.00028125 |
| 0.041 (12/11/2024) | ND<0.025 U (8/9/2016) | (0.041 - 0.025)/(48 - 15) | 0.000484848 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (8/9/2016) | (0.0196 - 0.025)/(49 - 15) | -0.000158824 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(18 - 16) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(19 - 16) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(20 - 16) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (12/7/2016) | (0.159 - 0.025)/(23 - 16) | 0.0191429 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (12/7/2016) | (0.066 - 0.025)/(26 - 16) | 0.0041 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (12/7/2016) | (0.044 - 0.025)/(28 - 16) | 0.00158333 |
| 0.065 (3/31/2020) | ND<0.025 U (12/7/2016) | (0.065 - 0.025)/(29 - 16) | 0.00307692 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| 0.074 (4/7/2022) | ND<0.025 U (12/7/2016) | (0.074 - 0.025)/(38 - 16) | 0.00222727 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(41 - 16) | 0.0002 |
| 0.044 (5/24/2023) | ND<0.025 U (12/7/2016) | (0.044 - 0.025)/(42 - 16) | 0.000730769 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(43 - 16) | 0.000185185 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(44 - 16) | -0.000392857 |
| 0.041 (1/10/2024) | ND<0.025 U (12/7/2016) | (0.041 - 0.025)/(45 - 16) | 0.000551724 |

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|---|---|---|---|
| ND<0.03 U (5/20/2024) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(46 - 16) | 0.000166667 |
| 0.016 (9/16/2024) | ND<0.025 U (12/7/2016) | (0.016 - 0.025)/(47 - 16) | -0.000290323 |
| 0.041 (12/11/2024) | ND<0.025 U (12/7/2016) | (0.041 - 0.025)/(48 - 16) | 0.0005 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (12/7/2016) | (0.0196 - 0.025)/(49 - 16) | -0.000163636 |
| | | | |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(18 - 17) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(19 - 17) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(20 - 17) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (3/2/2017) | (0.159 - 0.025)/(23 - 17) | 0.0223333 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (3/2/2017) | (0.066 - 0.025)/(26 - 17) | 0.00455556 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (3/2/2017) | (0.044 - 0.025)/(28 - 17) | 0.00172727 |
| 0.065 (3/31/2020) | ND<0.025 U (3/2/2017) | (0.065 - 0.025)/(29 - 17) | 0.00333333 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| 0.074 (4/7/2022) | ND<0.025 U (3/2/2017) | (0.074 - 0.025)/(38 - 17) | 0.00233333 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(41 - 17) | 0.000208333 |
| 0.044 (5/24/2023) | ND<0.025 U (3/2/2017) | (0.044 - 0.025)/(42 - 17) | 0.00076 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(43 - 17) | 0.000192308 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(44 - 17) | -0.000407407 |
| 0.041 (1/10/2024) | ND<0.025 U (3/2/2017) | (0.041 - 0.025)/(45 - 17) | 0.000571429 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(46 - 17) | 0.000172414 |
| 0.016 (9/16/2024) | ND<0.025 U (3/2/2017) | (0.016 - 0.025)/(47 - 17) | -0.0003 |
| 0.041 (12/11/2024) | ND<0.025 U (3/2/2017) | (0.041 - 0.025)/(48 - 17) | 0.000516129 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (3/2/2017) | (0.0196 - 0.025)/(49 - 17) | -0.00016875 |
| | | | |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(19 - 18) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(20 - 18) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(21 - 18) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(22 - 18) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (6/21/2017) | (0.159 - 0.025)/(23 - 18) | 0.0268 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(24 - 18) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(25 - 18) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (6/21/2017) | (0.066 - 0.025)/(26 - 18) | 0.005125 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(27 - 18) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (6/21/2017) | (0.044 - 0.025)/(28 - 18) | 0.0019 |
| 0.065 (3/31/2020) | ND<0.025 U (6/21/2017) | (0.065 - 0.025)/(29 - 18) | 0.00363636 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(31 - 18) | 0.000384615 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(32 - 18) | 0.000357143 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(33 - 18) | 0.000333333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(34 - 18) | 0.0003125 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(35 - 18) | 0.000294118 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(36 - 18) | 0.000277778 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(37 - 18) | 0.000263158 |
| 0.074 (4/7/2022) | ND<0.025 U (6/21/2017) | (0.074 - 0.025)/(38 - 18) | 0.00245 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(39 - 18) | 0.000238095 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(40 - 18) | 0.000227273 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(41 - 18) | 0.000217391 |
| 0.044 (5/24/2023) | ND<0.025 U (6/21/2017) | (0.044 - 0.025)/(42 - 18) | 0.000791667 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(43 - 18) | 0.0002 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/21/2017) | (0.014 - 0.025)/(44 - 18) | -0.000423077 |
| 0.041 (1/10/2024) | ND<0.025 U (6/21/2017) | (0.041 - 0.025)/(45 - 18) | 0.000592593 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(46 - 18) | 0.000178571 |
| 0.016 (9/16/2024) | ND<0.025 U (6/21/2017) | (0.016 - 0.025)/(47 - 18) | -0.000310345 |
| 0.041 (12/11/2024) | ND<0.025 U (6/21/2017) | (0.041 - 0.025)/(48 - 18) | 0.000533333 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/21/2017) | (0.0196 - 0.025)/(49 - 18) | -0.000174194 |
| | | | |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(20 - 19) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(21 - 19) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(22 - 19) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (8/17/2017) | (0.159 - 0.025)/(23 - 19) | 0.0335 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(25 - 19) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (8/17/2017) | (0.066 - 0.025)/(26 - 19) | 0.00585714 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (8/17/2017) | (0.044 - 0.025)/(28 - 19) | 0.00211111 |
| 0.065 (3/31/2020) | ND<0.025 U (8/17/2017) | (0.065 - 0.025)/(29 - 19) | 0.004 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(32 - 19) | 0.000384615 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(34 - 19) | 0.000333333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(35 - 19) | 0.0003125 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(36 - 19) | 0.000294118 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(37 - 19) | 0.000277778 |
| 0.074 (4/7/2022) | ND<0.025 U (8/17/2017) | (0.074 - 0.025)/(38 - 19) | 0.00257895 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(41 - 19) | 0.000227273 |
| 0.044 (5/24/2023) | ND<0.025 U (8/17/2017) | (0.044 - 0.025)/(42 - 19) | 0.000826087 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(43 - 19) | 0.000208333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/17/2017) | (0.014 - 0.025)/(44 - 19) | -0.00044 |
| 0.041 (1/10/2024) | ND<0.025 U (8/17/2017) | (0.041 - 0.025)/(45 - 19) | 0.000615385 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(46 - 19) | 0.000185185 |
| 0.016 (9/16/2024) | ND<0.025 U (8/17/2017) | (0.016 - 0.025)/(47 - 19) | -0.000321429 |
| 0.041 (12/11/2024) | ND<0.025 U (8/17/2017) | (0.041 - 0.025)/(48 - 19) | 0.000551724 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (8/17/2017) | (0.0196 - 0.025)/(49 - 19) | -0.00018 |
| | | | |
| ND<0.025 U (3/27/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(21 - 20) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(22 - 20) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (10/26/2017) | (0.159 - 0.025)/(23 - 20) | 0.0446667 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(24 - 20) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(25 - 20) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (10/26/2017) | (0.066 - 0.025)/(26 - 20) | 0.00683333 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(27 - 20) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (10/26/2017) | (0.044 - 0.025)/(28 - 20) | 0.002375 |
| 0.065 (3/31/2020) | ND<0.025 U (10/26/2017) | (0.065 - 0.025)/(29 - 20) | 0.00444444 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |

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|---|---|---|---|
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(31 - 20) | 0.000454545 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(32 - 20) | 0.000416667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(33 - 20) | 0.000384615 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(34 - 20) | 0.000357143 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(35 - 20) | 0.000333333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(36 - 20) | 0.0003125 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(37 - 20) | 0.000294118 |
| 0.074 (4/7/2022) | ND<0.025 U (10/26/2017) | (0.074 - 0.025)/(38 - 20) | 0.00272222 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(39 - 20) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(40 - 20) | 0.00025 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(41 - 20) | 0.000238095 |
| 0.044 (5/24/2023) | ND<0.025 U (10/26/2017) | (0.044 - 0.025)/(42 - 20) | 0.000863636 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(43 - 20) | 0.000217391 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/26/2017) | (0.014 - 0.025)/(44 - 20) | -0.000458333 |
| 0.041 (1/10/2024) | ND<0.025 U (10/26/2017) | (0.041 - 0.025)/(45 - 20) | 0.00064 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(46 - 20) | 0.000192308 |
| 0.016 (9/16/2024) | ND<0.025 U (10/26/2017) | (0.016 - 0.025)/(47 - 20) | -0.000333333 |
| 0.041 (12/11/2024) | ND<0.025 U (10/26/2017) | (0.041 - 0.025)/(48 - 20) | 0.000571429 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (10/26/2017) | (0.0196 - 0.025)/(49 - 20) | -0.000186207 |
| | | | |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| 0.159 (8/1/2018) | ND<0.025 U (3/27/2018) | (0.159 - 0.025)/(23 - 21) | 0.067 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (3/27/2018) | (0.066 - 0.025)/(26 - 21) | 0.0082 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (3/27/2018) | (0.044 - 0.025)/(28 - 21) | 0.00271429 |
| 0.065 (3/31/2020) | ND<0.025 U (3/27/2018) | (0.065 - 0.025)/(29 - 21) | 0.005 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| 0.074 (4/7/2022) | ND<0.025 U (3/27/2018) | (0.074 - 0.025)/(38 - 21) | 0.00288235 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(41 - 21) | 0.00025 |
| 0.044 (5/24/2023) | ND<0.025 U (3/27/2018) | (0.044 - 0.025)/(42 - 21) | 0.000904762 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(43 - 21) | 0.000227273 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/27/2018) | (0.014 - 0.025)/(44 - 21) | -0.000478261 |
| 0.041 (1/10/2024) | ND<0.025 U (3/27/2018) | (0.041 - 0.025)/(45 - 21) | 0.000666667 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(46 - 21) | 0.0002 |
| 0.016 (9/16/2024) | ND<0.025 U (3/27/2018) | (0.016 - 0.025)/(47 - 21) | -0.000346154 |
| 0.041 (12/11/2024) | ND<0.025 U (3/27/2018) | (0.041 - 0.025)/(48 - 21) | 0.000592593 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (3/27/2018) | (0.0196 - 0.025)/(49 - 21) | -0.000192857 |
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| 0.159 (8/1/2018) | ND<0.025 U (6/26/2018) | (0.159 - 0.025)/(23 - 22) | 0.134 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (6/26/2018) | (0.066 - 0.025)/(26 - 22) | 0.01025 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (6/26/2018) | (0.044 - 0.025)/(28 - 22) | 0.00316667 |

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|---|---|---|---|
| 0.065 (3/31/2020) | ND<0.025 U (6/26/2018) | (0.065 - 0.025)/(29 - 22) | 0.00571429 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| 0.074 (4/7/2022) | ND<0.025 U (6/26/2018) | (0.074 - 0.025)/(38 - 22) | 0.0030625 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(41 - 22) | 0.000263158 |
| 0.044 (5/24/2023) | ND<0.025 U (6/26/2018) | (0.044 - 0.025)/(42 - 22) | 0.00095 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(43 - 22) | 0.000238095 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2018) | (0.014 - 0.025)/(44 - 22) | -0.0005 |
| 0.041 (1/10/2024) | ND<0.025 U (6/26/2018) | (0.041 - 0.025)/(45 - 22) | 0.000695652 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(46 - 22) | 0.000208333 |
| 0.016 (9/16/2024) | ND<0.025 U (6/26/2018) | (0.016 - 0.025)/(47 - 22) | -0.00036 |
| 0.041 (12/11/2024) | ND<0.025 U (6/26/2018) | (0.041 - 0.025)/(48 - 22) | 0.000615385 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/26/2018) | (0.0196 - 0.025)/(49 - 22) | -0.0002 |

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|---|---|---|---|
| ND<0.025 U (12/11/2018) | 0.159 (8/1/2018) | (0.025 - 0.159)/(24 - 23) | -0.134 |
| ND<0.025 U (4/17/2019) | 0.159 (8/1/2018) | (0.025 - 0.159)/(25 - 23) | -0.067 |
| 0.066 (6/11/2019) | 0.159 (8/1/2018) | (0.066 - 0.159)/(26 - 23) | -0.031 |
| ND<0.025 U (8/28/2019) | 0.159 (8/1/2018) | (0.025 - 0.159)/(27 - 23) | -0.0335 |
| 0.044 (10/28/2019) | 0.159 (8/1/2018) | (0.044 - 0.159)/(28 - 23) | -0.023 |
| 0.065 (3/31/2020) | 0.159 (8/1/2018) | (0.065 - 0.159)/(29 - 23) | -0.0156667 |
| ND<0.03 U (6/10/2020) | 0.159 (8/1/2018) | (0.03 - 0.159)/(30 - 23) | -0.0184286 |
| ND<0.03 U (6/10/2020) | 0.159 (8/1/2018) | (0.03 - 0.159)/(30 - 23) | -0.0184286 |
| ND<0.03 U (9/21/2020) | 0.159 (8/1/2018) | (0.03 - 0.159)/(31 - 23) | -0.016125 |
| ND<0.03 U (12/17/2020) | 0.159 (8/1/2018) | (0.03 - 0.159)/(32 - 23) | -0.0143333 |
| ND<0.03 U (3/18/2021) | 0.159 (8/1/2018) | (0.03 - 0.159)/(33 - 23) | -0.0129 |
| ND<0.03 U (5/5/2021) | 0.159 (8/1/2018) | (0.03 - 0.159)/(34 - 23) | -0.0117273 |
| ND<0.03 U (9/2/2021) | 0.159 (8/1/2018) | (0.03 - 0.159)/(35 - 23) | -0.01075 |
| ND<0.03 U (11/23/2021) | 0.159 (8/1/2018) | (0.03 - 0.159)/(36 - 23) | -0.00992308 |
| ND<0.03 U (1/10/2022) | 0.159 (8/1/2018) | (0.03 - 0.159)/(37 - 23) | -0.00921429 |
| 0.074 (4/7/2022) | 0.159 (8/1/2018) | (0.074 - 0.159)/(38 - 23) | -0.00566667 |
| ND<0.03 U (8/3/2022) | 0.159 (8/1/2018) | (0.03 - 0.159)/(39 - 23) | -0.0080625 |
| ND<0.03 U (11/16/2022) | 0.159 (8/1/2018) | (0.03 - 0.159)/(40 - 23) | -0.00758824 |
| ND<0.03 U (2/13/2023) | 0.159 (8/1/2018) | (0.03 - 0.159)/(41 - 23) | -0.00716667 |
| 0.044 (5/24/2023) | 0.159 (8/1/2018) | (0.044 - 0.159)/(42 - 23) | -0.00605263 |
| ND<0.03 U (8/7/2023) | 0.159 (8/1/2018) | (0.03 - 0.159)/(43 - 23) | -0.00645 |
| ND<0.014 U (12/12/2023) | 0.159 (8/1/2018) | (0.014 - 0.159)/(44 - 23) | -0.00690476 |
| 0.041 (1/10/2024) | 0.159 (8/1/2018) | (0.041 - 0.159)/(45 - 23) | -0.00536364 |
| ND<0.03 U (5/20/2024) | 0.159 (8/1/2018) | (0.03 - 0.159)/(46 - 23) | -0.0056087 |
| 0.016 (9/16/2024) | 0.159 (8/1/2018) | (0.016 - 0.159)/(47 - 23) | -0.00595833 |
| 0.041 (12/11/2024) | 0.159 (8/1/2018) | (0.041 - 0.159)/(48 - 23) | -0.00472 |
| ND<0.0196 U (2/18/2025) | 0.159 (8/1/2018) | (0.0196 - 0.159)/(49 - 23) | -0.00536154 |

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|---|---|---|---|
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| 0.066 (6/11/2019) | ND<0.025 U (12/11/2018) | (0.066 - 0.025)/(26 - 24) | 0.0205 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (12/11/2018) | (0.044 - 0.025)/(28 - 24) | 0.00475 |
| 0.065 (3/31/2020) | ND<0.025 U (12/11/2018) | (0.065 - 0.025)/(29 - 24) | 0.008 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |

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|---|---|---|---|
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(32 - 24) | 0.000625 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(37 - 24) | 0.000384615 |
| 0.074 (4/7/2022) | ND<0.025 U (12/11/2018) | (0.074 - 0.025)/(38 - 24) | 0.0035 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(41 - 24) | 0.000294118 |
| 0.044 (5/24/2023) | ND<0.025 U (12/11/2018) | (0.044 - 0.025)/(42 - 24) | 0.00105556 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(43 - 24) | 0.000263158 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/11/2018) | (0.014 - 0.025)/(44 - 24) | -0.00055 |
| 0.041 (1/10/2024) | ND<0.025 U (12/11/2018) | (0.041 - 0.025)/(45 - 24) | 0.000761905 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(46 - 24) | 0.000227273 |
| 0.016 (9/16/2024) | ND<0.025 U (12/11/2018) | (0.016 - 0.025)/(47 - 24) | -0.000391304 |
| 0.041 (12/11/2024) | ND<0.025 U (12/11/2018) | (0.041 - 0.025)/(48 - 24) | 0.000666667 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (12/11/2018) | (0.0196 - 0.025)/(49 - 24) | -0.000216 |
| | | | |
| 0.066 (6/11/2019) | ND<0.025 U (4/17/2019) | (0.066 - 0.025)/(26 - 25) | 0.041 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| 0.044 (10/28/2019) | ND<0.025 U (4/17/2019) | (0.044 - 0.025)/(28 - 25) | 0.00633333 |
| 0.065 (3/31/2020) | ND<0.025 U (4/17/2019) | (0.065 - 0.025)/(29 - 25) | 0.01 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| 0.074 (4/7/2022) | ND<0.025 U (4/17/2019) | (0.074 - 0.025)/(38 - 25) | 0.00376923 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(41 - 25) | 0.0003125 |
| 0.044 (5/24/2023) | ND<0.025 U (4/17/2019) | (0.044 - 0.025)/(42 - 25) | 0.00111765 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(43 - 25) | 0.000277778 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/17/2019) | (0.014 - 0.025)/(44 - 25) | -0.000578947 |
| 0.041 (1/10/2024) | ND<0.025 U (4/17/2019) | (0.041 - 0.025)/(45 - 25) | 0.0008 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(46 - 25) | 0.000238095 |
| 0.016 (9/16/2024) | ND<0.025 U (4/17/2019) | (0.016 - 0.025)/(47 - 25) | -0.000409091 |
| 0.041 (12/11/2024) | ND<0.025 U (4/17/2019) | (0.041 - 0.025)/(48 - 25) | 0.000695652 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (4/17/2019) | (0.0196 - 0.025)/(49 - 25) | -0.000225 |
| | | | |
| ND<0.025 U (8/28/2019) | 0.066 (6/11/2019) | (0.025 - 0.066)/(27 - 26) | -0.041 |
| 0.044 (10/28/2019) | 0.066 (6/11/2019) | (0.044 - 0.066)/(28 - 26) | -0.011 |
| 0.065 (3/31/2020) | 0.066 (6/11/2019) | (0.065 - 0.066)/(29 - 26) | -0.000333333 |
| ND<0.03 U (6/10/2020) | 0.066 (6/11/2019) | (0.03 - 0.066)/(30 - 26) | -0.009 |
| ND<0.03 U (6/10/2020) | 0.066 (6/11/2019) | (0.03 - 0.066)/(30 - 26) | -0.009 |
| ND<0.03 U (9/21/2020) | 0.066 (6/11/2019) | (0.03 - 0.066)/(31 - 26) | -0.0072 |
| ND<0.03 U (12/17/2020) | 0.066 (6/11/2019) | (0.03 - 0.066)/(32 - 26) | -0.006 |
| ND<0.03 U (3/18/2021) | 0.066 (6/11/2019) | (0.03 - 0.066)/(33 - 26) | -0.00514286 |
| ND<0.03 U (5/5/2021) | 0.066 (6/11/2019) | (0.03 - 0.066)/(34 - 26) | -0.0045 |
| ND<0.03 U (9/2/2021) | 0.066 (6/11/2019) | (0.03 - 0.066)/(35 - 26) | -0.004 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | 0.066 (6/11/2019) | (0.03 - 0.066)/(36 - 26) | -0.0036 |
| ND<0.03 U (1/10/2022) | 0.066 (6/11/2019) | (0.03 - 0.066)/(37 - 26) | -0.00327273 |
| 0.074 (4/7/2022) | 0.066 (6/11/2019) | (0.074 - 0.066)/(38 - 26) | 0.000666667 |
| ND<0.03 U (8/3/2022) | 0.066 (6/11/2019) | (0.03 - 0.066)/(39 - 26) | -0.00276923 |
| ND<0.03 U (11/16/2022) | 0.066 (6/11/2019) | (0.03 - 0.066)/(40 - 26) | -0.00257143 |
| ND<0.03 U (2/13/2023) | 0.066 (6/11/2019) | (0.03 - 0.066)/(41 - 26) | -0.0024 |
| 0.044 (5/24/2023) | 0.066 (6/11/2019) | (0.044 - 0.066)/(42 - 26) | -0.001375 |
| ND<0.03 U (8/7/2023) | 0.066 (6/11/2019) | (0.03 - 0.066)/(43 - 26) | -0.00211765 |
| ND<0.014 U (12/12/2023) | 0.066 (6/11/2019) | (0.014 - 0.066)/(44 - 26) | -0.00288889 |
| 0.041 (1/10/2024) | 0.066 (6/11/2019) | (0.041 - 0.066)/(45 - 26) | -0.00131579 |
| ND<0.03 U (5/20/2024) | 0.066 (6/11/2019) | (0.03 - 0.066)/(46 - 26) | -0.0018 |
| 0.016 (9/16/2024) | 0.066 (6/11/2019) | (0.016 - 0.066)/(47 - 26) | -0.00238095 |
| 0.041 (12/11/2024) | 0.066 (6/11/2019) | (0.041 - 0.066)/(48 - 26) | -0.00113636 |
| ND<0.0196 U (2/18/2025) | 0.066 (6/11/2019) | (0.0196 - 0.066)/(49 - 26) | -0.00201739 |

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|---|---|---|---|
| 0.044 (10/28/2019) | ND<0.025 U (8/28/2019) | (0.044 - 0.025)/(28 - 27) | 0.019 |
| 0.065 (3/31/2020) | ND<0.025 U (8/28/2019) | (0.065 - 0.025)/(29 - 27) | 0.02 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| 0.074 (4/7/2022) | ND<0.025 U (8/28/2019) | (0.074 - 0.025)/(38 - 27) | 0.00445455 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| 0.044 (5/24/2023) | ND<0.025 U (8/28/2019) | (0.044 - 0.025)/(42 - 27) | 0.00126667 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(43 - 27) | 0.0003125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/28/2019) | (0.014 - 0.025)/(44 - 27) | -0.000647059 |
| 0.041 (1/10/2024) | ND<0.025 U (8/28/2019) | (0.041 - 0.025)/(45 - 27) | 0.000888889 |
| ND<0.03 U (5/20/2024) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(46 - 27) | 0.000263158 |
| 0.016 (9/16/2024) | ND<0.025 U (8/28/2019) | (0.016 - 0.025)/(47 - 27) | -0.00045 |
| 0.041 (12/11/2024) | ND<0.025 U (8/28/2019) | (0.041 - 0.025)/(48 - 27) | 0.000761905 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (8/28/2019) | (0.0196 - 0.025)/(49 - 27) | -0.000245455 |

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|---|---|---|---|
| 0.065 (3/31/2020) | 0.044 (10/28/2019) | (0.065 - 0.044)/(29 - 28) | 0.021 |
| ND<0.03 U (6/10/2020) | 0.044 (10/28/2019) | (0.03 - 0.044)/(30 - 28) | -0.007 |
| ND<0.03 U (6/10/2020) | 0.044 (10/28/2019) | (0.03 - 0.044)/(30 - 28) | -0.007 |
| ND<0.03 U (9/21/2020) | 0.044 (10/28/2019) | (0.03 - 0.044)/(31 - 28) | -0.00466667 |
| ND<0.03 U (12/17/2020) | 0.044 (10/28/2019) | (0.03 - 0.044)/(32 - 28) | -0.0035 |
| ND<0.03 U (3/18/2021) | 0.044 (10/28/2019) | (0.03 - 0.044)/(33 - 28) | -0.0028 |
| ND<0.03 U (5/5/2021) | 0.044 (10/28/2019) | (0.03 - 0.044)/(34 - 28) | -0.00233333 |
| ND<0.03 U (9/2/2021) | 0.044 (10/28/2019) | (0.03 - 0.044)/(35 - 28) | -0.002 |
| ND<0.03 U (11/23/2021) | 0.044 (10/28/2019) | (0.03 - 0.044)/(36 - 28) | -0.00175 |
| ND<0.03 U (1/10/2022) | 0.044 (10/28/2019) | (0.03 - 0.044)/(37 - 28) | -0.00155556 |
| 0.074 (4/7/2022) | 0.044 (10/28/2019) | (0.074 - 0.044)/(38 - 28) | 0.003 |
| ND<0.03 U (8/3/2022) | 0.044 (10/28/2019) | (0.03 - 0.044)/(39 - 28) | -0.00127273 |
| ND<0.03 U (11/16/2022) | 0.044 (10/28/2019) | (0.03 - 0.044)/(40 - 28) | -0.00116667 |
| ND<0.03 U (2/13/2023) | 0.044 (10/28/2019) | (0.03 - 0.044)/(41 - 28) | -0.00107692 |
| 0.044 (5/24/2023) | 0.044 (10/28/2019) | (0.044 - 0.044)/(42 - 28) | 0 |
| ND<0.03 U (8/7/2023) | 0.044 (10/28/2019) | (0.03 - 0.044)/(43 - 28) | -0.000933333 |
| ND<0.014 U (12/12/2023) | 0.044 (10/28/2019) | (0.014 - 0.044)/(44 - 28) | -0.001875 |
| 0.041 (1/10/2024) | 0.044 (10/28/2019) | (0.041 - 0.044)/(45 - 28) | -0.000176471 |

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|---|---|---|---|
| ND<0.03 U (5/20/2024) | 0.044 (10/28/2019) | (0.03 - 0.044)/(46 - 28) | -0.000777778 |
| 0.016 (9/16/2024) | 0.044 (10/28/2019) | (0.016 - 0.044)/(47 - 28) | -0.00147368 |
| 0.041 (12/11/2024) | 0.044 (10/28/2019) | (0.041 - 0.044)/(48 - 28) | -0.00015 |
| ND<0.0196 U (2/18/2025) | 0.044 (10/28/2019) | (0.0196 - 0.044)/(49 - 28) | -0.0011619 |
| | | | |
| ND<0.03 U (6/10/2020) | 0.065 (3/31/2020) | (0.03 - 0.065)/(30 - 29) | -0.035 |
| ND<0.03 U (6/10/2020) | 0.065 (3/31/2020) | (0.03 - 0.065)/(30 - 29) | -0.035 |
| ND<0.03 U (9/21/2020) | 0.065 (3/31/2020) | (0.03 - 0.065)/(31 - 29) | -0.0175 |
| ND<0.03 U (12/17/2020) | 0.065 (3/31/2020) | (0.03 - 0.065)/(32 - 29) | -0.0116667 |
| ND<0.03 U (3/18/2021) | 0.065 (3/31/2020) | (0.03 - 0.065)/(33 - 29) | -0.00875 |
| ND<0.03 U (5/5/2021) | 0.065 (3/31/2020) | (0.03 - 0.065)/(34 - 29) | -0.007 |
| ND<0.03 U (9/2/2021) | 0.065 (3/31/2020) | (0.03 - 0.065)/(35 - 29) | -0.00583333 |
| ND<0.03 U (11/23/2021) | 0.065 (3/31/2020) | (0.03 - 0.065)/(36 - 29) | -0.005 |
| ND<0.03 U (1/10/2022) | 0.065 (3/31/2020) | (0.03 - 0.065)/(37 - 29) | -0.004375 |
| 0.074 (4/7/2022) | 0.065 (3/31/2020) | (0.074 - 0.065)/(38 - 29) | 0.001 |
| ND<0.03 U (8/3/2022) | 0.065 (3/31/2020) | (0.03 - 0.065)/(39 - 29) | -0.0035 |
| ND<0.03 U (11/16/2022) | 0.065 (3/31/2020) | (0.03 - 0.065)/(40 - 29) | -0.00318182 |
| ND<0.03 U (2/13/2023) | 0.065 (3/31/2020) | (0.03 - 0.065)/(41 - 29) | -0.00291667 |
| 0.044 (5/24/2023) | 0.065 (3/31/2020) | (0.044 - 0.065)/(42 - 29) | -0.00161538 |
| ND<0.03 U (8/7/2023) | 0.065 (3/31/2020) | (0.03 - 0.065)/(43 - 29) | -0.0025 |
| ND<0.014 U (12/12/2023) | 0.065 (3/31/2020) | (0.014 - 0.065)/(44 - 29) | -0.0034 |
| 0.041 (1/10/2024) | 0.065 (3/31/2020) | (0.041 - 0.065)/(45 - 29) | -0.0015 |
| ND<0.03 U (5/20/2024) | 0.065 (3/31/2020) | (0.03 - 0.065)/(46 - 29) | -0.00205882 |
| 0.016 (9/16/2024) | 0.065 (3/31/2020) | (0.016 - 0.065)/(47 - 29) | -0.00272222 |
| 0.041 (12/11/2024) | 0.065 (3/31/2020) | (0.041 - 0.065)/(48 - 29) | -0.00126316 |
| ND<0.0196 U (2/18/2025) | 0.065 (3/31/2020) | (0.0196 - 0.065)/(49 - 29) | -0.00227 |
| | | | |
| ND<0.03 U (6/10/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(30 - 30) | Same Date |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(32 - 30) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (6/10/2020) | (0.074 - 0.03)/(38 - 30) | 0.0055 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (6/10/2020) | (0.044 - 0.03)/(42 - 30) | 0.00116667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(43 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| 0.041 (1/10/2024) | ND<0.03 U (6/10/2020) | (0.041 - 0.03)/(45 - 30) | 0.000733333 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(46 - 30) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (6/10/2020) | (0.016 - 0.03)/(47 - 30) | -0.000823529 |
| 0.041 (12/11/2024) | ND<0.03 U (6/10/2020) | (0.041 - 0.03)/(48 - 30) | 0.000611111 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (6/10/2020) | (0.0196 - 0.03)/(49 - 30) | -0.000547368 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(32 - 30) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (6/10/2020) | (0.074 - 0.03)/(38 - 30) | 0.0055 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(39 - 30) | 0 |

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|---|---|---|---|
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (6/10/2020) | (0.044 - 0.03)/(42 - 30) | 0.00116667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(43 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| 0.041 (1/10/2024) | ND<0.03 U (6/10/2020) | (0.041 - 0.03)/(45 - 30) | 0.000733333 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(46 - 30) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (6/10/2020) | (0.016 - 0.03)/(47 - 30) | -0.000823529 |
| 0.041 (12/11/2024) | ND<0.03 U (6/10/2020) | (0.041 - 0.03)/(48 - 30) | 0.000611111 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (6/10/2020) | (0.0196 - 0.03)/(49 - 30) | -0.000547368 |
| | | | |
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (9/21/2020) | (0.074 - 0.03)/(38 - 31) | 0.00628571 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (9/21/2020) | (0.044 - 0.03)/(42 - 31) | 0.00127273 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(43 - 31) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(44 - 31) | -0.00123077 |
| 0.041 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.041 - 0.03)/(45 - 31) | 0.000785714 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(46 - 31) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (9/21/2020) | (0.016 - 0.03)/(47 - 31) | -0.000875 |
| 0.041 (12/11/2024) | ND<0.03 U (9/21/2020) | (0.041 - 0.03)/(48 - 31) | 0.000647059 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (9/21/2020) | (0.0196 - 0.03)/(49 - 31) | -0.000577778 |
| | | | |
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(34 - 32) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(35 - 32) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(37 - 32) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (12/17/2020) | (0.074 - 0.03)/(38 - 32) | 0.00733333 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(41 - 32) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (12/17/2020) | (0.044 - 0.03)/(42 - 32) | 0.0014 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(43 - 32) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(44 - 32) | -0.00133333 |
| 0.041 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.041 - 0.03)/(45 - 32) | 0.000846154 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(46 - 32) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (12/17/2020) | (0.016 - 0.03)/(47 - 32) | -0.000933333 |
| 0.041 (12/11/2024) | ND<0.03 U (12/17/2020) | (0.041 - 0.03)/(48 - 32) | 0.0006875 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(49 - 32) | -0.000611765 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(35 - 33) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(37 - 33) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (3/18/2021) | (0.074 - 0.03)/(38 - 33) | 0.0088 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (3/18/2021) | (0.044 - 0.03)/(42 - 33) | 0.00155556 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(43 - 33) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(44 - 33) | -0.00145455 |
| 0.041 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.041 - 0.03)/(45 - 33) | 0.000916667 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(46 - 33) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (3/18/2021) | (0.016 - 0.03)/(47 - 33) | -0.001 |
| 0.041 (12/11/2024) | ND<0.03 U (3/18/2021) | (0.041 - 0.03)/(48 - 33) | 0.000733333 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(49 - 33) | -0.00065 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(35 - 34) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(36 - 34) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(37 - 34) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (5/5/2021) | (0.074 - 0.03)/(38 - 34) | 0.011 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(41 - 34) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (5/5/2021) | (0.044 - 0.03)/(42 - 34) | 0.00175 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(43 - 34) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(44 - 34) | -0.0016 |
| 0.041 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.041 - 0.03)/(45 - 34) | 0.001 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(46 - 34) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (5/5/2021) | (0.016 - 0.03)/(47 - 34) | -0.00107692 |
| 0.041 (12/11/2024) | ND<0.03 U (5/5/2021) | (0.041 - 0.03)/(48 - 34) | 0.000785714 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(49 - 34) | -0.000693333 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(36 - 35) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(37 - 35) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (9/2/2021) | (0.074 - 0.03)/(38 - 35) | 0.0146667 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(40 - 35) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(41 - 35) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (9/2/2021) | (0.044 - 0.03)/(42 - 35) | 0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(43 - 35) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(44 - 35) | -0.00177778 |
| 0.041 (1/10/2024) | ND<0.03 U (9/2/2021) | (0.041 - 0.03)/(45 - 35) | 0.0011 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(46 - 35) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (9/2/2021) | (0.016 - 0.03)/(47 - 35) | -0.00116667 |
| 0.041 (12/11/2024) | ND<0.03 U (9/2/2021) | (0.041 - 0.03)/(48 - 35) | 0.000846154 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (9/2/2021) | (0.0196 - 0.03)/(49 - 35) | -0.000742857 |
| | | | |
| ND<0.03 U (1/10/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(37 - 36) | 0 |
| 0.074 (4/7/2022) | ND<0.03 U (11/23/2021) | (0.074 - 0.03)/(38 - 36) | 0.022 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(41 - 36) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (11/23/2021) | (0.044 - 0.03)/(42 - 36) | 0.00233333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(43 - 36) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(44 - 36) | -0.002 |
| 0.041 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.041 - 0.03)/(45 - 36) | 0.00122222 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(46 - 36) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (11/23/2021) | (0.016 - 0.03)/(47 - 36) | -0.00127273 |
| 0.041 (12/11/2024) | ND<0.03 U (11/23/2021) | (0.041 - 0.03)/(48 - 36) | 0.000916667 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(49 - 36) | -0.0008 |
| | | | |
| 0.074 (4/7/2022) | ND<0.03 U (1/10/2022) | (0.074 - 0.03)/(38 - 37) | 0.044 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(40 - 37) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(41 - 37) | 0 |

| | | | |
|---|---|---|---|
| 0.044 (5/24/2023) | ND<0.03 U (1/10/2022) | (0.044 - 0.03)/(42 - 37) | 0.0028 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(43 - 37) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/10/2022) | (0.014 - 0.03)/(44 - 37) | -0.00228571 |
| 0.041 (1/10/2024) | ND<0.03 U (1/10/2022) | (0.041 - 0.03)/(45 - 37) | 0.001375 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(46 - 37) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (1/10/2022) | (0.016 - 0.03)/(47 - 37) | -0.0014 |
| 0.041 (12/11/2024) | ND<0.03 U (1/10/2022) | (0.041 - 0.03)/(48 - 37) | 0.001 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (1/10/2022) | (0.0196 - 0.03)/(49 - 37) | -0.000866667 |
| | | | |
| ND<0.03 U (8/3/2022) | 0.074 (4/7/2022) | (0.03 - 0.074)/(39 - 38) | -0.044 |
| ND<0.03 U (11/16/2022) | 0.074 (4/7/2022) | (0.03 - 0.074)/(40 - 38) | -0.022 |
| ND<0.03 U (2/13/2023) | 0.074 (4/7/2022) | (0.03 - 0.074)/(41 - 38) | -0.0146667 |
| 0.044 (5/24/2023) | 0.074 (4/7/2022) | (0.044 - 0.074)/(42 - 38) | -0.0075 |
| ND<0.03 U (8/7/2023) | 0.074 (4/7/2022) | (0.03 - 0.074)/(43 - 38) | -0.0088 |
| ND<0.014 U (12/12/2023) | 0.074 (4/7/2022) | (0.014 - 0.074)/(44 - 38) | -0.01 |
| 0.041 (1/10/2024) | 0.074 (4/7/2022) | (0.041 - 0.074)/(45 - 38) | -0.00471429 |
| ND<0.03 U (5/20/2024) | 0.074 (4/7/2022) | (0.03 - 0.074)/(46 - 38) | -0.0055 |
| 0.016 (9/16/2024) | 0.074 (4/7/2022) | (0.016 - 0.074)/(47 - 38) | -0.00644444 |
| 0.041 (12/11/2024) | 0.074 (4/7/2022) | (0.041 - 0.074)/(48 - 38) | -0.0033 |
| ND<0.0196 U (2/18/2025) | 0.074 (4/7/2022) | (0.0196 - 0.074)/(49 - 38) | -0.00494545 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (8/3/2022) | (0.044 - 0.03)/(42 - 39) | 0.00466667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(43 - 39) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(44 - 39) | -0.0032 |
| 0.041 (1/10/2024) | ND<0.03 U (8/3/2022) | (0.041 - 0.03)/(45 - 39) | 0.00183333 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(46 - 39) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (8/3/2022) | (0.016 - 0.03)/(47 - 39) | -0.00175 |
| 0.041 (12/11/2024) | ND<0.03 U (8/3/2022) | (0.041 - 0.03)/(48 - 39) | 0.00122222 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (8/3/2022) | (0.0196 - 0.03)/(49 - 39) | -0.00104 |
| | | | |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |
| 0.044 (5/24/2023) | ND<0.03 U (11/16/2022) | (0.044 - 0.03)/(42 - 40) | 0.007 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(43 - 40) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(44 - 40) | -0.004 |
| 0.041 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.041 - 0.03)/(45 - 40) | 0.0022 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(46 - 40) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (11/16/2022) | (0.016 - 0.03)/(47 - 40) | -0.002 |
| 0.041 (12/11/2024) | ND<0.03 U (11/16/2022) | (0.041 - 0.03)/(48 - 40) | 0.001375 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(49 - 40) | -0.00115556 |
| | | | |
| 0.044 (5/24/2023) | ND<0.03 U (2/13/2023) | (0.044 - 0.03)/(42 - 41) | 0.014 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/13/2023) | (0.03 - 0.03)/(43 - 41) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(44 - 41) | -0.00533333 |
| 0.041 (1/10/2024) | ND<0.03 U (2/13/2023) | (0.041 - 0.03)/(45 - 41) | 0.00275 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (2/13/2023) | (0.03 - 0.03)/(46 - 41) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (2/13/2023) | (0.016 - 0.03)/(47 - 41) | -0.00233333 |
| 0.041 (12/11/2024) | ND<0.03 U (2/13/2023) | (0.041 - 0.03)/(48 - 41) | 0.00157143 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (2/13/2023) | (0.0196 - 0.03)/(49 - 41) | -0.0013 |
| | | | |
| ND<0.03 U (8/7/2023) | 0.044 (5/24/2023) | (0.03 - 0.044)/(43 - 42) | -0.014 |
| ND<0.014 U (12/12/2023) | 0.044 (5/24/2023) | (0.014 - 0.044)/(44 - 42) | -0.015 |
| 0.041 (1/10/2024) | 0.044 (5/24/2023) | (0.041 - 0.044)/(45 - 42) | -0.001 |
| ND<0.03 U (5/20/2024) | 0.044 (5/24/2023) | (0.03 - 0.044)/(46 - 42) | -0.0035 |
| 0.016 (9/16/2024) | 0.044 (5/24/2023) | (0.016 - 0.044)/(47 - 42) | -0.0056 |
| 0.041 (12/11/2024) | 0.044 (5/24/2023) | (0.041 - 0.044)/(48 - 42) | -0.0005 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (2/18/2025) | 0.044 (5/24/2023) | (0.0196 - 0.044)/(49 - 42) | -0.00348571 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(44 - 43) | -0.016 |
| 0.041 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.041 - 0.03)/(45 - 43) | 0.0055 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(46 - 43) | 0 |
| 0.016 (9/16/2024) | ND<0.03 U (8/7/2023) | (0.016 - 0.03)/(47 - 43) | -0.0035 |
| 0.041 (12/11/2024) | ND<0.03 U (8/7/2023) | (0.041 - 0.03)/(48 - 43) | 0.0022 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(49 - 43) | -0.00173333 |
| | | | |
| 0.041 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.041 - 0.014)/(45 - 44) | 0.027 |
| ND<0.03 U (5/20/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(46 - 44) | 0.008 |
| 0.016 (9/16/2024) | ND<0.014 U (12/12/2023) | (0.016 - 0.014)/(47 - 44) | 0.000666667 |
| 0.041 (12/11/2024) | ND<0.014 U (12/12/2023) | (0.041 - 0.014)/(48 - 44) | 0.00675 |
| ND<0.0196 U (2/18/2025) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(49 - 44) | 0.00112 |
| | | | |
| ND<0.03 U (5/20/2024) | 0.041 (1/10/2024) | (0.03 - 0.041)/(46 - 45) | -0.011 |
| 0.016 (9/16/2024) | 0.041 (1/10/2024) | (0.016 - 0.041)/(47 - 45) | -0.0125 |
| 0.041 (12/11/2024) | 0.041 (1/10/2024) | (0.041 - 0.041)/(48 - 45) | 0 |
| ND<0.0196 U (2/18/2025) | 0.041 (1/10/2024) | (0.0196 - 0.041)/(49 - 45) | -0.00535 |
| | | | |
| 0.016 (9/16/2024) | ND<0.03 U (5/20/2024) | (0.016 - 0.03)/(47 - 46) | -0.014 |
| 0.041 (12/11/2024) | ND<0.03 U (5/20/2024) | (0.041 - 0.03)/(48 - 46) | 0.0055 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (5/20/2024) | (0.0196 - 0.03)/(49 - 46) | -0.00346667 |
| | | | |
| 0.041 (12/11/2024) | 0.016 (9/16/2024) | (0.041 - 0.016)/(48 - 47) | 0.025 |
| ND<0.0196 U (2/18/2025) | 0.016 (9/16/2024) | (0.0196 - 0.016)/(49 - 47) | 0.0018 |
| | | | |
| ND<0.0196 U (2/18/2025) | 0.041 (12/11/2024) | (0.0196 - 0.041)/(49 - 48) | -0.0214 |

Number of Q values = 1224

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.134 |
| 2 | -0.068 |
| 3 | -0.067 |
| 4 | -0.054 |
| 5 | -0.044 |
| 6 | -0.041 |
| 7 | -0.035 |
| 8 | -0.035 |
| 9 | -0.0335 |
| 10 | -0.032 |
| 11 | -0.031 |
| 12 | -0.025 |
| 13 | -0.023 |
| 14 | -0.022 |
| 15 | -0.022 |
| 16 | -0.0214 |
| 17 | -0.01875 |
| 18 | -0.0184286 |
| 19 | -0.0184286 |
| 20 | -0.018 |
| 21 | -0.0175 |
| 22 | -0.016125 |
| 23 | -0.016 |

| | |
|---|---|
| 24 | -0.0156667 |
| 25 | -0.015 |
| 26 | -0.015 |
| 27 | -0.0146667 |
| 28 | -0.0143333 |
| 29 | -0.014 |
| 30 | -0.014 |
| 31 | -0.0135 |
| 32 | -0.0129 |
| 33 | -0.0125 |
| 34 | -0.0125 |
| 35 | -0.0117273 |
| 36 | -0.0116667 |
| 37 | -0.011 |
| 38 | -0.011 |
| 39 | -0.011 |
| 40 | -0.0108 |
| 41 | -0.01075 |
| 42 | -0.0107143 |
| 43 | -0.01 |
| 44 | -0.01 |
| 45 | -0.00992308 |
| 46 | -0.009375 |
| 47 | -0.00921429 |
| 48 | -0.009 |
| 49 | -0.009 |
| 50 | -0.009 |
| 51 | -0.0088 |
| 52 | -0.00875 |
| 53 | -0.00833333 |
| 54 | -0.0080625 |
| 55 | -0.00771429 |
| 56 | -0.00758824 |
| 57 | -0.0075 |
| 58 | -0.0075 |
| 59 | -0.0072 |
| 60 | -0.00716667 |
| 61 | -0.007 |
| 62 | -0.007 |
| 63 | -0.007 |
| 64 | -0.00690476 |
| 65 | -0.00645 |
| 66 | -0.00644444 |
| 67 | -0.00625 |
| 68 | -0.00605263 |
| 69 | -0.006 |
| 70 | -0.00595833 |
| 71 | -0.00583333 |
| 72 | -0.00576923 |
| 73 | -0.00566667 |
| 74 | -0.0056087 |
| 75 | -0.0056 |
| 76 | -0.0055 |
| 77 | -0.0055 |
| 78 | -0.00536364 |
| 79 | -0.00536154 |
| 80 | -0.00535 |

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| 81 | -0.00533333 |
| 82 | -0.00522222 |
| 83 | -0.00514286 |
| 84 | -0.005 |
| 85 | -0.005 |
| 86 | -0.005 |
| 87 | -0.00494545 |
| 88 | -0.00490909 |
| 89 | -0.00472 |
| 90 | -0.00471429 |
| 91 | -0.00466667 |
| 92 | -0.0045 |
| 93 | -0.0045 |
| 94 | -0.004375 |
| 95 | -0.0043 |
| 96 | -0.00415385 |
| 97 | -0.004 |
| 98 | -0.004 |
| 99 | -0.004 |
| 100 | -0.00388889 |
| 101 | -0.00388889 |
| 102 | -0.00385714 |
| 103 | -0.00368421 |
| 104 | -0.00366667 |
| 105 | -0.0036 |
| 106 | -0.0036 |
| 107 | -0.0035 |
| 108 | -0.0035 |
| 109 | -0.0035 |
| 110 | -0.0035 |
| 111 | -0.0035 |
| 112 | -0.0035 |
| 113 | -0.0035 |
| 114 | -0.00348571 |
| 115 | -0.00346667 |
| 116 | -0.0034 |
| 117 | -0.003375 |
| 118 | -0.00333333 |
| 119 | -0.00333333 |
| 120 | -0.0033 |
| 121 | -0.00327273 |
| 122 | -0.0032 |
| 123 | -0.00318182 |
| 124 | -0.00318182 |
| 125 | -0.00317647 |
| 126 | -0.00304348 |
| 127 | -0.003 |
| 128 | -0.00291667 |
| 129 | -0.00291667 |
| 130 | -0.00288889 |
| 131 | -0.0028 |
| 132 | -0.0028 |
| 133 | -0.00276923 |
| 134 | -0.00275 |
| 135 | -0.00272222 |
| 136 | -0.0027 |
| 137 | -0.0026875 |

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| 138 | -0.00259259 |
| 139 | -0.00257143 |
| 140 | -0.00257143 |
| 141 | -0.0025 |
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| 144 | -0.00242857 |
| 145 | -0.00241379 |
| 146 | -0.0024 |
| 147 | -0.0024 |
| 148 | -0.00238095 |
| 149 | -0.00234783 |
| 150 | -0.00233333 |
| 151 | -0.00233333 |
| 152 | -0.00233333 |
| 153 | -0.00228571 |
| 154 | -0.00227 |
| 155 | -0.00225806 |
| 156 | -0.0022 |
| 157 | -0.00217297 |
| 158 | -0.00211765 |
| 159 | -0.00205882 |
| 160 | -0.00205882 |
| 161 | -0.00205882 |
| 162 | -0.00201739 |
| 163 | -0.002 |
| 164 | -0.002 |
| 165 | -0.002 |
| 166 | -0.002 |
| 167 | -0.002 |
| 168 | -0.00188462 |
| 169 | -0.00188462 |
| 170 | -0.001875 |
| 171 | -0.00186667 |
| 172 | -0.00183333 |
| 173 | -0.00181481 |
| 174 | -0.0018 |
| 175 | -0.00178788 |
| 176 | -0.00177778 |
| 177 | -0.00175 |
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| 179 | -0.00175 |
| 180 | -0.00175 |
| 181 | -0.00173333 |
| 182 | -0.00168966 |
| 183 | -0.00166667 |
| 184 | -0.00163889 |
| 185 | -0.00163333 |
| 186 | -0.001625 |
| 187 | -0.00161538 |
| 188 | -0.0016 |
| 189 | -0.00158065 |
| 190 | -0.00157143 |
| 191 | -0.00155556 |
| 192 | -0.00153125 |
| 193 | -0.0015 |
| 194 | -0.00148485 |

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| 195 | -0.00147368 |
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| 197 | -0.00145833 |
| 198 | -0.00145455 |
| 199 | -0.0014 |
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| 201 | -0.0014 |
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| 205 | -0.00133333 |
| 206 | -0.00132432 |
| 207 | -0.00132 |
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| 209 | -0.0013 |
| 210 | -0.00127273 |
| 211 | -0.00127273 |
| 212 | -0.00126316 |
| 213 | -0.00125641 |
| 214 | -0.00125 |
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| 434 | -4.7619e-05 |
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| 695 | 0.0001 |
| 696 | 0.000105263 |
| 697 | 0.000108108 |
| 698 | 0.000111111 |
| 699 | 0.000117647 |
| 700 | 0.000121212 |
| 701 | 0.000121951 |
| 702 | 0.000125 |
| 703 | 0.000125 |
| 704 | 0.000128205 |
| 705 | 0.000129032 |
| 706 | 0.000131579 |
| 707 | 0.000131579 |

| | |
|---|---|
| 708 | 0.000133333 |
| 709 | 0.000135135 |
| 710 | 0.000137931 |
| 711 | 0.000138889 |
| 712 | 0.000138889 |
| 713 | 0.000138889 |
| 714 | 0.000142857 |
| 715 | 0.000142857 |
| 716 | 0.000142857 |
| 717 | 0.000142857 |
| 718 | 0.000142857 |
| 719 | 0.000147059 |
| 720 | 0.000147059 |
| 721 | 0.000147059 |
| 722 | 0.000147059 |
| 723 | 0.000148148 |
| 724 | 0.000148148 |
| 725 | 0.000151515 |
| 726 | 0.000151515 |
| 727 | 0.000151515 |
| 728 | 0.000153846 |
| 729 | 0.00015625 |
| 730 | 0.00015625 |
| 731 | 0.00015625 |
| 732 | 0.00015625 |
| 733 | 0.00015625 |
| 734 | 0.00016129 |
| 735 | 0.00016129 |
| 736 | 0.00016129 |
| 737 | 0.00016129 |
| 738 | 0.00016129 |
| 739 | 0.00016129 |
| 740 | 0.000166667 |
| 741 | 0.000166667 |
| 742 | 0.000166667 |
| 743 | 0.000166667 |
| 744 | 0.000166667 |
| 745 | 0.000166667 |
| 746 | 0.000166667 |
| 747 | 0.000172414 |
| 748 | 0.000172414 |
| 749 | 0.000172414 |
| 750 | 0.000172414 |
| 751 | 0.000172414 |
| 752 | 0.000172414 |
| 753 | 0.000178571 |
| 754 | 0.000178571 |
| 755 | 0.000178571 |
| 756 | 0.000178571 |
| 757 | 0.000178571 |
| 758 | 0.000178571 |
| 759 | 0.000178571 |
| 760 | 0.000181818 |
| 761 | 0.000185185 |
| 762 | 0.000185185 |
| 763 | 0.000185185 |
| 764 | 0.000185185 |

| | |
|---|---|
| 765 | 0.000185185 |
| 766 | 0.000185185 |
| 767 | 0.000185185 |
| 768 | 0.000192308 |
| 769 | 0.000192308 |
| 770 | 0.000192308 |
| 771 | 0.000192308 |
| 772 | 0.000192308 |
| 773 | 0.000192308 |
| 774 | 0.000192308 |
| 775 | 0.000192308 |
| 776 | 0.000192308 |
| 777 | 0.0002 |
| 778 | 0.0002 |
| 779 | 0.0002 |
| 780 | 0.0002 |
| 781 | 0.0002 |
| 782 | 0.0002 |
| 783 | 0.0002 |
| 784 | 0.0002 |
| 785 | 0.0002 |
| 786 | 0.0002 |
| 787 | 0.0002 |
| 788 | 0.000208333 |
| 789 | 0.000208333 |
| 790 | 0.000208333 |
| 791 | 0.000208333 |
| 792 | 0.000208333 |
| 793 | 0.000208333 |
| 794 | 0.000208333 |
| 795 | 0.000208333 |
| 796 | 0.000208333 |
| 797 | 0.000208333 |
| 798 | 0.000217391 |
| 799 | 0.000217391 |
| 800 | 0.000217391 |
| 801 | 0.000217391 |
| 802 | 0.000217391 |
| 803 | 0.000217391 |
| 804 | 0.000217391 |
| 805 | 0.000217391 |
| 806 | 0.000217391 |
| 807 | 0.000217391 |
| 808 | 0.000227273 |
| 809 | 0.000227273 |
| 810 | 0.000227273 |
| 811 | 0.000227273 |
| 812 | 0.000227273 |
| 813 | 0.000227273 |
| 814 | 0.000227273 |
| 815 | 0.000227273 |
| 816 | 0.000227273 |
| 817 | 0.000227273 |
| 818 | 0.000227273 |
| 819 | 0.000234043 |
| 820 | 0.000238095 |
| 821 | 0.000238095 |

| | |
|---|---|
| 822 | 0.000238095 |
| 823 | 0.000238095 |
| 824 | 0.000238095 |
| 825 | 0.000238095 |
| 826 | 0.000238095 |
| 827 | 0.000238095 |
| 828 | 0.000238095 |
| 829 | 0.000238095 |
| 830 | 0.000238095 |
| 831 | 0.00023913 |
| 832 | 0.00025 |
| 833 | 0.00025 |
| 834 | 0.00025 |
| 835 | 0.00025 |
| 836 | 0.00025 |
| 837 | 0.00025 |
| 838 | 0.00025 |
| 839 | 0.00025 |
| 840 | 0.00025 |
| 841 | 0.00025 |
| 842 | 0.00025 |
| 843 | 0.000255814 |
| 844 | 0.000257143 |
| 845 | 0.000263158 |
| 846 | 0.000263158 |
| 847 | 0.000263158 |
| 848 | 0.000263158 |
| 849 | 0.000263158 |
| 850 | 0.000263158 |
| 851 | 0.000263158 |
| 852 | 0.000263158 |
| 853 | 0.000263158 |
| 854 | 0.000263158 |
| 855 | 0.000263158 |
| 856 | 0.000277778 |
| 857 | 0.000277778 |
| 858 | 0.000277778 |
| 859 | 0.000277778 |
| 860 | 0.000277778 |
| 861 | 0.000277778 |
| 862 | 0.000277778 |
| 863 | 0.000277778 |
| 864 | 0.00028125 |
| 865 | 0.000285714 |
| 866 | 0.000294118 |
| 867 | 0.000294118 |
| 868 | 0.000294118 |
| 869 | 0.000294118 |
| 870 | 0.000294118 |
| 871 | 0.000294118 |
| 872 | 0.000294118 |
| 873 | 0.000294118 |
| 874 | 0.0003125 |
| 875 | 0.0003125 |
| 876 | 0.0003125 |
| 877 | 0.0003125 |
| 878 | 0.0003125 |

| | |
|---|---|
| 879 | 0.0003125 |
| 880 | 0.0003125 |
| 881 | 0.0003125 |
| 882 | 0.0003125 |
| 883 | 0.0003125 |
| 884 | 0.000333333 |
| 885 | 0.000333333 |
| 886 | 0.000333333 |
| 887 | 0.000333333 |
| 888 | 0.000333333 |
| 889 | 0.000333333 |
| 890 | 0.000333333 |
| 891 | 0.000333333 |
| 892 | 0.000333333 |
| 893 | 0.000333333 |
| 894 | 0.000333333 |
| 895 | 0.000333333 |
| 896 | 0.000341463 |
| 897 | 0.00035 |
| 898 | 0.000357143 |
| 899 | 0.000357143 |
| 900 | 0.000357143 |
| 901 | 0.000357143 |
| 902 | 0.000357143 |
| 903 | 0.000357143 |
| 904 | 0.000357143 |
| 905 | 0.000357143 |
| 906 | 0.000357143 |
| 907 | 0.000357143 |
| 908 | 0.000357143 |
| 909 | 0.000372093 |
| 910 | 0.000384615 |
| 911 | 0.000384615 |
| 912 | 0.000384615 |
| 913 | 0.000384615 |
| 914 | 0.000384615 |
| 915 | 0.000384615 |
| 916 | 0.000384615 |
| 917 | 0.000384615 |
| 918 | 0.000384615 |
| 919 | 0.000390244 |
| 920 | 0.0004 |
| 921 | 0.0004 |
| 922 | 0.000409091 |
| 923 | 0.000410256 |
| 924 | 0.000413793 |
| 925 | 0.000416667 |
| 926 | 0.000416667 |
| 927 | 0.000416667 |
| 928 | 0.000416667 |
| 929 | 0.000416667 |
| 930 | 0.000416667 |
| 931 | 0.000416667 |
| 932 | 0.000416667 |
| 933 | 0.000416667 |
| 934 | 0.000421053 |
| 935 | 0.000421053 |

| | |
|---|---|
| 936 | 0.000432432 |
| 937 | 0.000432432 |
| 938 | 0.000444444 |
| 939 | 0.000454545 |
| 940 | 0.000454545 |
| 941 | 0.000454545 |
| 942 | 0.000454545 |
| 943 | 0.000454545 |
| 944 | 0.000454545 |
| 945 | 0.000454545 |
| 946 | 0.000457143 |
| 947 | 0.000461538 |
| 948 | 0.000461538 |
| 949 | 0.000470588 |
| 950 | 0.000484848 |
| 951 | 0.0005 |
| 952 | 0.0005 |
| 953 | 0.0005 |
| 954 | 0.0005 |
| 955 | 0.0005 |
| 956 | 0.0005 |
| 957 | 0.0005 |
| 958 | 0.0005 |
| 959 | 0.0005 |
| 960 | 0.000513514 |
| 961 | 0.000516129 |
| 962 | 0.000518519 |
| 963 | 0.000533333 |
| 964 | 0.000533333 |
| 965 | 0.000538462 |
| 966 | 0.000542857 |
| 967 | 0.000551724 |
| 968 | 0.000551724 |
| 969 | 0.000555556 |
| 970 | 0.000555556 |
| 971 | 0.000555556 |
| 972 | 0.000555556 |
| 973 | 0.000555556 |
| 974 | 0.000555556 |
| 975 | 0.000558824 |
| 976 | 0.000571429 |
| 977 | 0.000571429 |
| 978 | 0.000571429 |
| 979 | 0.000575758 |
| 980 | 0.000592593 |
| 981 | 0.000592593 |
| 982 | 0.00059375 |
| 983 | 0.0006 |
| 984 | 0.000611111 |
| 985 | 0.000611111 |
| 986 | 0.000612903 |
| 987 | 0.000615385 |
| 988 | 0.000615385 |
| 989 | 0.000625 |
| 990 | 0.000625 |
| 991 | 0.000625 |
| 992 | 0.000625 |

| | |
|---|---|
| 993 | 0.000625 |
| 994 | 0.00064 |
| 995 | 0.000647059 |
| 996 | 0.000666667 |
| 997 | 0.000666667 |
| 998 | 0.000666667 |
| 999 | 0.000666667 |
| 1000 | 0.0006875 |
| 1001 | 0.000695652 |
| 1002 | 0.000695652 |
| 1003 | 0.000703704 |
| 1004 | 0.000714286 |
| 1005 | 0.000714286 |
| 1006 | 0.000714286 |
| 1007 | 0.00072 |
| 1008 | 0.000730769 |
| 1009 | 0.000733333 |
| 1010 | 0.000733333 |
| 1011 | 0.000733333 |
| 1012 | 0.00076 |
| 1013 | 0.000761905 |
| 1014 | 0.000761905 |
| 1015 | 0.000785714 |
| 1016 | 0.000785714 |
| 1017 | 0.000791667 |
| 1018 | 0.0008 |
| 1019 | 0.0008 |
| 1020 | 0.000826087 |
| 1021 | 0.000826087 |
| 1022 | 0.000833333 |
| 1023 | 0.000833333 |
| 1024 | 0.000833333 |
| 1025 | 0.000833333 |
| 1026 | 0.000846154 |
| 1027 | 0.000846154 |
| 1028 | 0.000863636 |
| 1029 | 0.000875 |
| 1030 | 0.000888889 |
| 1031 | 0.000904762 |
| 1032 | 0.000904762 |
| 1033 | 0.000909091 |
| 1034 | 0.000916667 |
| 1035 | 0.000916667 |
| 1036 | 0.00095 |
| 1037 | 0.00095 |
| 1038 | 0.001 |
| 1039 | 0.001 |
| 1040 | 0.001 |
| 1041 | 0.001 |
| 1042 | 0.001 |
| 1043 | 0.001 |
| 1044 | 0.001 |
| 1045 | 0.001 |
| 1046 | 0.00105556 |
| 1047 | 0.00105556 |
| 1048 | 0.0011 |
| 1049 | 0.00111765 |

| | |
|---|---|
| 1050 | 0.00111765 |
| 1051 | 0.00112 |
| 1052 | 0.00116667 |
| 1053 | 0.00116667 |
| 1054 | 0.00116667 |
| 1055 | 0.00118919 |
| 1056 | 0.00121875 |
| 1057 | 0.00122222 |
| 1058 | 0.00122222 |
| 1059 | 0.00122222 |
| 1060 | 0.00122222 |
| 1061 | 0.00125 |
| 1062 | 0.00125 |
| 1063 | 0.00125 |
| 1064 | 0.00126667 |
| 1065 | 0.00127273 |
| 1066 | 0.0012963 |
| 1067 | 0.00130435 |
| 1068 | 0.00137143 |
| 1069 | 0.001375 |
| 1070 | 0.001375 |
| 1071 | 0.0014 |
| 1072 | 0.0014 |
| 1073 | 0.00144 |
| 1074 | 0.00146154 |
| 1075 | 0.00148485 |
| 1076 | 0.0015 |
| 1077 | 0.0015 |
| 1078 | 0.00155 |
| 1079 | 0.00155556 |
| 1080 | 0.00157143 |
| 1081 | 0.00157143 |
| 1082 | 0.00158065 |
| 1083 | 0.00158333 |
| 1084 | 0.00158333 |
| 1085 | 0.00163333 |
| 1086 | 0.00166667 |
| 1087 | 0.00166667 |
| 1088 | 0.00166667 |
| 1089 | 0.00168 |
| 1090 | 0.00168966 |
| 1091 | 0.00172727 |
| 1092 | 0.00173913 |
| 1093 | 0.00175 |
| 1094 | 0.00175 |
| 1095 | 0.00175 |
| 1096 | 0.0018 |
| 1097 | 0.00181481 |
| 1098 | 0.00181818 |
| 1099 | 0.00183333 |
| 1100 | 0.00183333 |
| 1101 | 0.0019 |
| 1102 | 0.00190476 |
| 1103 | 0.00193333 |
| 1104 | 0.00195238 |
| 1105 | 0.002 |
| 1106 | 0.002 |

| | |
|---|---|
| 1107 | 0.0020625 |
| 1108 | 0.00210526 |
| 1109 | 0.00211111 |
| 1110 | 0.00213043 |
| 1111 | 0.00215789 |
| 1112 | 0.0022 |
| 1113 | 0.0022 |
| 1114 | 0.0022 |
| 1115 | 0.00222222 |
| 1116 | 0.00222727 |
| 1117 | 0.00227778 |
| 1118 | 0.00233333 |
| 1119 | 0.00233333 |
| 1120 | 0.00233333 |
| 1121 | 0.002375 |
| 1122 | 0.00241176 |
| 1123 | 0.00245 |
| 1124 | 0.0025 |
| 1125 | 0.0025625 |
| 1126 | 0.00257895 |
| 1127 | 0.00261538 |
| 1128 | 0.002625 |
| 1129 | 0.00271429 |
| 1130 | 0.00272222 |
| 1131 | 0.00273333 |
| 1132 | 0.00275 |
| 1133 | 0.00275 |
| 1134 | 0.0028 |
| 1135 | 0.00285714 |
| 1136 | 0.00288235 |
| 1137 | 0.003 |
| 1138 | 0.003 |
| 1139 | 0.0030625 |
| 1140 | 0.00307692 |
| 1141 | 0.00316667 |
| 1142 | 0.00333333 |
| 1143 | 0.0035 |
| 1144 | 0.0035 |
| 1145 | 0.00363636 |
| 1146 | 0.00366667 |
| 1147 | 0.00372727 |
| 1148 | 0.00376923 |
| 1149 | 0.004 |
| 1150 | 0.004 |
| 1151 | 0.0041 |
| 1152 | 0.00421053 |
| 1153 | 0.00444444 |
| 1154 | 0.00445455 |
| 1155 | 0.00455556 |
| 1156 | 0.00466667 |
| 1157 | 0.00475 |
| 1158 | 0.005 |
| 1159 | 0.005125 |
| 1160 | 0.00536364 |
| 1161 | 0.0055 |
| 1162 | 0.0055 |
| 1163 | 0.0055 |

| | |
|---|---|
| 1164 | 0.0055 |
| 1165 | 0.00571429 |
| 1166 | 0.00585714 |
| 1167 | 0.00586364 |
| 1168 | 0.00614286 |
| 1169 | 0.00628571 |
| 1170 | 0.00633333 |
| 1171 | 0.00636364 |
| 1172 | 0.00665 |
| 1173 | 0.00675 |
| 1174 | 0.00683333 |
| 1175 | 0.007 |
| 1176 | 0.007 |
| 1177 | 0.00729412 |
| 1178 | 0.00733333 |
| 1179 | 0.00744444 |
| 1180 | 0.008 |
| 1181 | 0.008 |
| 1182 | 0.0082 |
| 1183 | 0.00822222 |
| 1184 | 0.008375 |
| 1185 | 0.0088 |
| 1186 | 0.00893333 |
| 1187 | 0.00957143 |
| 1188 | 0.01 |
| 1189 | 0.01 |
| 1190 | 0.01025 |
| 1191 | 0.0103077 |
| 1192 | 0.0107143 |
| 1193 | 0.0108333 |
| 1194 | 0.011 |
| 1195 | 0.0111667 |
| 1196 | 0.0127 |
| 1197 | 0.0136667 |
| 1198 | 0.014 |
| 1199 | 0.0146667 |
| 1200 | 0.015 |
| 1201 | 0.0163333 |
| 1202 | 0.01675 |
| 1203 | 0.01875 |
| 1204 | 0.019 |
| 1205 | 0.0191429 |
| 1206 | 0.02 |
| 1207 | 0.0205 |
| 1208 | 0.021 |
| 1209 | 0.022 |
| 1210 | 0.0223333 |
| 1211 | 0.0245 |
| 1212 | 0.025 |
| 1213 | 0.025 |
| 1214 | 0.0268 |
| 1215 | 0.027 |
| 1216 | 0.0335 |
| 1217 | 0.0375 |
| 1218 | 0.041 |
| 1219 | 0.044 |
| 1220 | 0.0446667 |

| | |
|---|---|
| 1221 | 0.053 |
| 1222 | 0.067 |
| 1223 | 0.075 |
| 1224 | 0.134 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 16 |
| 2 | 0.025 | 17 |
| 3 | 0.044 | 2 |
| 4 | 0.041 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 2 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: GD 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.033 (5/8/2013) | 0.036 (3/12/2013) | (0.033 - 0.036)/(2 - 1) | -0.003 |
| ND<0.025 U (9/23/2013) | 0.036 (3/12/2013) | (0.025 - 0.036)/(3 - 1) | -0.0055 |
| 0.041 (12/10/2013) | 0.036 (3/12/2013) | (0.041 - 0.036)/(4 - 1) | 0.00166667 |
| 0.057 (2/6/2014) | 0.036 (3/12/2013) | (0.057 - 0.036)/(5 - 1) | 0.00525 |
| ND<0.025 U (6/26/2014) | 0.036 (3/12/2013) | (0.025 - 0.036)/(6 - 1) | -0.0022 |
| ND<0.025 U (9/30/2014) | 0.036 (3/12/2013) | (0.025 - 0.036)/(7 - 1) | -0.00183333 |
| ND<0.025 U (11/19/2014) | 0.036 (3/12/2013) | (0.025 - 0.036)/(8 - 1) | -0.00157143 |
| ND<0.025 U (3/23/2015) | 0.036 (3/12/2013) | (0.025 - 0.036)/(9 - 1) | -0.001375 |
| ND<0.025 U (4/22/2015) | 0.036 (3/12/2013) | (0.025 - 0.036)/(10 - 1) | -0.00122222 |
| ND<0.025 U (9/30/2015) | 0.036 (3/12/2013) | (0.025 - 0.036)/(11 - 1) | -0.0011 |
| 0.037 (11/19/2015) | 0.036 (3/12/2013) | (0.037 - 0.036)/(12 - 1) | 9.09091e-05 |
| 0.043 (3/15/2016) | 0.036 (3/12/2013) | (0.043 - 0.036)/(13 - 1) | 0.000583333 |
| ND<0.025 U (6/29/2016) | 0.036 (3/12/2013) | (0.025 - 0.036)/(14 - 1) | -0.000846154 |
| ND<0.025 U (8/9/2016) | 0.036 (3/12/2013) | (0.025 - 0.036)/(15 - 1) | -0.000785714 |
| ND<0.025 U (12/7/2016) | 0.036 (3/12/2013) | (0.025 - 0.036)/(16 - 1) | -0.000733333 |
| ND<0.025 U (3/2/2017) | 0.036 (3/12/2013) | (0.025 - 0.036)/(17 - 1) | -0.0006875 |
| ND<0.025 U (6/21/2017) | 0.036 (3/12/2013) | (0.025 - 0.036)/(18 - 1) | -0.000647059 |
| ND<0.025 U (8/17/2017) | 0.036 (3/12/2013) | (0.025 - 0.036)/(19 - 1) | -0.000611111 |
| ND<0.025 U (10/26/2017) | 0.036 (3/12/2013) | (0.025 - 0.036)/(20 - 1) | -0.000578947 |
| ND<0.025 U (3/27/2018) | 0.036 (3/12/2013) | (0.025 - 0.036)/(21 - 1) | -0.00055 |
| ND<0.025 U (6/26/2018) | 0.036 (3/12/2013) | (0.025 - 0.036)/(22 - 1) | -0.00052381 |
| 0.09 (8/1/2018) | 0.036 (3/12/2013) | (0.09 - 0.036)/(23 - 1) | 0.00245455 |
| ND<0.025 U (12/11/2018) | 0.036 (3/12/2013) | (0.025 - 0.036)/(24 - 1) | -0.000478261 |
| ND<0.025 U (4/17/2019) | 0.036 (3/12/2013) | (0.025 - 0.036)/(25 - 1) | -0.000458333 |
| ND<0.025 U (6/11/2019) | 0.036 (3/12/2013) | (0.025 - 0.036)/(26 - 1) | -0.00044 |
| ND<0.025 U (8/28/2019) | 0.036 (3/12/2013) | (0.025 - 0.036)/(27 - 1) | -0.000423077 |
| ND<0.025 U (10/28/2019) | 0.036 (3/12/2013) | (0.025 - 0.036)/(28 - 1) | -0.000407407 |
| ND<0.025 U (3/31/2020) | 0.036 (3/12/2013) | (0.025 - 0.036)/(29 - 1) | -0.000392857 |
| ND<0.03 U (6/10/2020) | 0.036 (3/12/2013) | (0.03 - 0.036)/(30 - 1) | -0.000206897 |
| ND<0.03 U (9/21/2020) | 0.036 (3/12/2013) | (0.03 - 0.036)/(31 - 1) | -0.0002 |
| ND<0.03 U (12/17/2020) | 0.036 (3/12/2013) | (0.03 - 0.036)/(32 - 1) | -0.000193548 |
| ND<0.03 U (3/18/2021) | 0.036 (3/12/2013) | (0.03 - 0.036)/(33 - 1) | -0.0001875 |
| ND<0.03 U (5/5/2021) | 0.036 (3/12/2013) | (0.03 - 0.036)/(34 - 1) | -0.000181818 |
| ND<0.03 U (9/2/2021) | 0.036 (3/12/2013) | (0.03 - 0.036)/(35 - 1) | -0.000176471 |
| ND<0.03 U (11/23/2021) | 0.036 (3/12/2013) | (0.03 - 0.036)/(36 - 1) | -0.000171429 |
| 0.037 (1/10/2022) | 0.036 (3/12/2013) | (0.037 - 0.036)/(37 - 1) | 2.77778e-05 |
| ND<0.03 U (4/7/2022) | 0.036 (3/12/2013) | (0.03 - 0.036)/(38 - 1) | -0.000162162 |
| ND<0.03 U (8/3/2022) | 0.036 (3/12/2013) | (0.03 - 0.036)/(39 - 1) | -0.000157895 |
| ND<0.03 U (11/16/2022) | 0.036 (3/12/2013) | (0.03 - 0.036)/(40 - 1) | -0.000153846 |
| ND<0.03 U (2/13/2023) | 0.036 (3/12/2013) | (0.03 - 0.036)/(41 - 1) | -0.00015 |
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| ND<0.025 U (9/23/2013) | 0.033 (5/8/2013) | (0.025 - 0.033)/(3 - 2) | -0.008 |
| 0.041 (12/10/2013) | 0.033 (5/8/2013) | (0.041 - 0.033)/(4 - 2) | 0.004 |
| 0.057 (2/6/2014) | 0.033 (5/8/2013) | (0.057 - 0.033)/(5 - 2) | 0.008 |
| ND<0.025 U (6/26/2014) | 0.033 (5/8/2013) | (0.025 - 0.033)/(6 - 2) | -0.002 |
| ND<0.025 U (9/30/2014) | 0.033 (5/8/2013) | (0.025 - 0.033)/(7 - 2) | -0.0016 |
| ND<0.025 U (11/19/2014) | 0.033 (5/8/2013) | (0.025 - 0.033)/(8 - 2) | -0.00133333 |
| ND<0.025 U (3/23/2015) | 0.033 (5/8/2013) | (0.025 - 0.033)/(9 - 2) | -0.00114286 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | 0.033 (5/8/2013) | (0.025 - 0.033)/(10 - 2) | -0.001 |
| ND<0.025 U (9/30/2015) | 0.033 (5/8/2013) | (0.025 - 0.033)/(11 - 2) | -0.000888889 |
| 0.037 (11/19/2015) | 0.033 (5/8/2013) | (0.037 - 0.033)/(12 - 2) | 0.0004 |
| 0.043 (3/15/2016) | 0.033 (5/8/2013) | (0.043 - 0.033)/(13 - 2) | 0.000909091 |
| ND<0.025 U (6/29/2016) | 0.033 (5/8/2013) | (0.025 - 0.033)/(14 - 2) | -0.000666667 |
| ND<0.025 U (8/9/2016) | 0.033 (5/8/2013) | (0.025 - 0.033)/(15 - 2) | -0.000615385 |
| ND<0.025 U (12/7/2016) | 0.033 (5/8/2013) | (0.025 - 0.033)/(16 - 2) | -0.000571429 |
| ND<0.025 U (3/2/2017) | 0.033 (5/8/2013) | (0.025 - 0.033)/(17 - 2) | -0.000533333 |
| ND<0.025 U (6/21/2017) | 0.033 (5/8/2013) | (0.025 - 0.033)/(18 - 2) | -0.0005 |
| ND<0.025 U (8/17/2017) | 0.033 (5/8/2013) | (0.025 - 0.033)/(19 - 2) | -0.000470588 |
| ND<0.025 U (10/26/2017) | 0.033 (5/8/2013) | (0.025 - 0.033)/(20 - 2) | -0.000444444 |
| ND<0.025 U (3/27/2018) | 0.033 (5/8/2013) | (0.025 - 0.033)/(21 - 2) | -0.000421053 |
| ND<0.025 U (6/26/2018) | 0.033 (5/8/2013) | (0.025 - 0.033)/(22 - 2) | -0.0004 |
| 0.09 (8/1/2018) | 0.033 (5/8/2013) | (0.09 - 0.033)/(23 - 2) | 0.00271429 |
| ND<0.025 U (12/11/2018) | 0.033 (5/8/2013) | (0.025 - 0.033)/(24 - 2) | -0.000363636 |
| ND<0.025 U (4/17/2019) | 0.033 (5/8/2013) | (0.025 - 0.033)/(25 - 2) | -0.000347826 |
| ND<0.025 U (6/11/2019) | 0.033 (5/8/2013) | (0.025 - 0.033)/(26 - 2) | -0.000333333 |
| ND<0.025 U (8/28/2019) | 0.033 (5/8/2013) | (0.025 - 0.033)/(27 - 2) | -0.00032 |
| ND<0.025 U (10/28/2019) | 0.033 (5/8/2013) | (0.025 - 0.033)/(28 - 2) | -0.000307692 |
| ND<0.025 U (3/31/2020) | 0.033 (5/8/2013) | (0.025 - 0.033)/(29 - 2) | -0.000296296 |
| ND<0.03 U (6/10/2020) | 0.033 (5/8/2013) | (0.03 - 0.033)/(30 - 2) | -0.000107143 |
| ND<0.03 U (9/21/2020) | 0.033 (5/8/2013) | (0.03 - 0.033)/(31 - 2) | -0.000103448 |
| ND<0.03 U (12/17/2020) | 0.033 (5/8/2013) | (0.03 - 0.033)/(32 - 2) | -0.0001 |
| ND<0.03 U (3/18/2021) | 0.033 (5/8/2013) | (0.03 - 0.033)/(33 - 2) | -9.67742e-05 |
| ND<0.03 U (5/5/2021) | 0.033 (5/8/2013) | (0.03 - 0.033)/(34 - 2) | -9.375e-05 |
| ND<0.03 U (9/2/2021) | 0.033 (5/8/2013) | (0.03 - 0.033)/(35 - 2) | -9.09091e-05 |
| ND<0.03 U (11/23/2021) | 0.033 (5/8/2013) | (0.03 - 0.033)/(36 - 2) | -8.82353e-05 |
| 0.037 (1/10/2022) | 0.033 (5/8/2013) | (0.037 - 0.033)/(37 - 2) | 0.000114286 |
| ND<0.03 U (4/7/2022) | 0.033 (5/8/2013) | (0.03 - 0.033)/(38 - 2) | -8.33333e-05 |
| ND<0.03 U (8/3/2022) | 0.033 (5/8/2013) | (0.03 - 0.033)/(39 - 2) | -8.10811e-05 |
| ND<0.03 U (11/16/2022) | 0.033 (5/8/2013) | (0.03 - 0.033)/(40 - 2) | -7.89474e-05 |
| ND<0.03 U (2/13/2023) | 0.033 (5/8/2013) | (0.03 - 0.033)/(41 - 2) | -7.69231e-05 |

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|---|---|---|---|
| 0.041 (12/10/2013) | ND<0.025 U (9/23/2013) | (0.041 - 0.025)/(4 - 3) | 0.016 |
| 0.057 (2/6/2014) | ND<0.025 U (9/23/2013) | (0.057 - 0.025)/(5 - 3) | 0.016 |
| ND<0.025 U (6/26/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(6 - 3) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(7 - 3) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(8 - 3) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(9 - 3) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(10 - 3) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(11 - 3) | 0 |
| 0.037 (11/19/2015) | ND<0.025 U (9/23/2013) | (0.037 - 0.025)/(12 - 3) | 0.00133333 |
| 0.043 (3/15/2016) | ND<0.025 U (9/23/2013) | (0.043 - 0.025)/(13 - 3) | 0.0018 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(14 - 3) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(15 - 3) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(16 - 3) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(17 - 3) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(18 - 3) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(19 - 3) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(20 - 3) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(21 - 3) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(22 - 3) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (9/23/2013) | (0.09 - 0.025)/(23 - 3) | 0.00325 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(24 - 3) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(25 - 3) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(26 - 3) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(27 - 3) | 0 |

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|---|---|---|---|
| ND<0.025 U (10/28/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(28 - 3) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(29 - 3) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(30 - 3) | 0.000185185 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(31 - 3) | 0.000178571 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(32 - 3) | 0.000172414 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(33 - 3) | 0.000166667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(34 - 3) | 0.00016129 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(35 - 3) | 0.00015625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(36 - 3) | 0.000151515 |
| 0.037 (1/10/2022) | ND<0.025 U (9/23/2013) | (0.037 - 0.025)/(37 - 3) | 0.000352941 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(38 - 3) | 0.000142857 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(39 - 3) | 0.000138889 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(40 - 3) | 0.000135135 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(41 - 3) | 0.000131579 |
| | | | |
| 0.057 (2/6/2014) | 0.041 (12/10/2013) | (0.057 - 0.041)/(5 - 4) | 0.016 |
| ND<0.025 U (6/26/2014) | 0.041 (12/10/2013) | (0.025 - 0.041)/(6 - 4) | -0.008 |
| ND<0.025 U (9/30/2014) | 0.041 (12/10/2013) | (0.025 - 0.041)/(7 - 4) | -0.00533333 |
| ND<0.025 U (11/19/2014) | 0.041 (12/10/2013) | (0.025 - 0.041)/(8 - 4) | -0.004 |
| ND<0.025 U (3/23/2015) | 0.041 (12/10/2013) | (0.025 - 0.041)/(9 - 4) | -0.0032 |
| ND<0.025 U (4/22/2015) | 0.041 (12/10/2013) | (0.025 - 0.041)/(10 - 4) | -0.00266667 |
| ND<0.025 U (9/30/2015) | 0.041 (12/10/2013) | (0.025 - 0.041)/(11 - 4) | -0.00228571 |
| 0.037 (11/19/2015) | 0.041 (12/10/2013) | (0.037 - 0.041)/(12 - 4) | -0.0005 |
| 0.043 (3/15/2016) | 0.041 (12/10/2013) | (0.043 - 0.041)/(13 - 4) | 0.000222222 |
| ND<0.025 U (6/29/2016) | 0.041 (12/10/2013) | (0.025 - 0.041)/(14 - 4) | -0.0016 |
| ND<0.025 U (8/9/2016) | 0.041 (12/10/2013) | (0.025 - 0.041)/(15 - 4) | -0.00145455 |
| ND<0.025 U (12/7/2016) | 0.041 (12/10/2013) | (0.025 - 0.041)/(16 - 4) | -0.00133333 |
| ND<0.025 U (3/2/2017) | 0.041 (12/10/2013) | (0.025 - 0.041)/(17 - 4) | -0.00123077 |
| ND<0.025 U (6/21/2017) | 0.041 (12/10/2013) | (0.025 - 0.041)/(18 - 4) | -0.00114286 |
| ND<0.025 U (8/17/2017) | 0.041 (12/10/2013) | (0.025 - 0.041)/(19 - 4) | -0.00106667 |
| ND<0.025 U (10/26/2017) | 0.041 (12/10/2013) | (0.025 - 0.041)/(20 - 4) | -0.001 |
| ND<0.025 U (3/27/2018) | 0.041 (12/10/2013) | (0.025 - 0.041)/(21 - 4) | -0.000941176 |
| ND<0.025 U (6/26/2018) | 0.041 (12/10/2013) | (0.025 - 0.041)/(22 - 4) | -0.000888889 |
| 0.09 (8/1/2018) | 0.041 (12/10/2013) | (0.09 - 0.041)/(23 - 4) | 0.00257895 |
| ND<0.025 U (12/11/2018) | 0.041 (12/10/2013) | (0.025 - 0.041)/(24 - 4) | -0.0008 |
| ND<0.025 U (4/17/2019) | 0.041 (12/10/2013) | (0.025 - 0.041)/(25 - 4) | -0.000761905 |
| ND<0.025 U (6/11/2019) | 0.041 (12/10/2013) | (0.025 - 0.041)/(26 - 4) | -0.000727273 |
| ND<0.025 U (8/28/2019) | 0.041 (12/10/2013) | (0.025 - 0.041)/(27 - 4) | -0.000695652 |
| ND<0.025 U (10/28/2019) | 0.041 (12/10/2013) | (0.025 - 0.041)/(28 - 4) | -0.000666667 |
| ND<0.025 U (3/31/2020) | 0.041 (12/10/2013) | (0.025 - 0.041)/(29 - 4) | -0.00064 |
| ND<0.03 U (6/10/2020) | 0.041 (12/10/2013) | (0.03 - 0.041)/(30 - 4) | -0.000423077 |
| ND<0.03 U (9/21/2020) | 0.041 (12/10/2013) | (0.03 - 0.041)/(31 - 4) | -0.000407407 |
| ND<0.03 U (12/17/2020) | 0.041 (12/10/2013) | (0.03 - 0.041)/(32 - 4) | -0.000392857 |
| ND<0.03 U (3/18/2021) | 0.041 (12/10/2013) | (0.03 - 0.041)/(33 - 4) | -0.00037931 |
| ND<0.03 U (5/5/2021) | 0.041 (12/10/2013) | (0.03 - 0.041)/(34 - 4) | -0.000366667 |
| ND<0.03 U (9/2/2021) | 0.041 (12/10/2013) | (0.03 - 0.041)/(35 - 4) | -0.000354839 |
| ND<0.03 U (11/23/2021) | 0.041 (12/10/2013) | (0.03 - 0.041)/(36 - 4) | -0.00034375 |
| 0.037 (1/10/2022) | 0.041 (12/10/2013) | (0.037 - 0.041)/(37 - 4) | -0.000121212 |
| ND<0.03 U (4/7/2022) | 0.041 (12/10/2013) | (0.03 - 0.041)/(38 - 4) | -0.000323529 |
| ND<0.03 U (8/3/2022) | 0.041 (12/10/2013) | (0.03 - 0.041)/(39 - 4) | -0.000314286 |
| ND<0.03 U (11/16/2022) | 0.041 (12/10/2013) | (0.03 - 0.041)/(40 - 4) | -0.000305556 |
| ND<0.03 U (2/13/2023) | 0.041 (12/10/2013) | (0.03 - 0.041)/(41 - 4) | -0.000297297 |
| | | | |
| ND<0.025 U (6/26/2014) | 0.057 (2/6/2014) | (0.025 - 0.057)/(6 - 5) | -0.032 |
| ND<0.025 U (9/30/2014) | 0.057 (2/6/2014) | (0.025 - 0.057)/(7 - 5) | -0.016 |
| ND<0.025 U (11/19/2014) | 0.057 (2/6/2014) | (0.025 - 0.057)/(8 - 5) | -0.0106667 |
| ND<0.025 U (3/23/2015) | 0.057 (2/6/2014) | (0.025 - 0.057)/(9 - 5) | -0.008 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | 0.057 (2/6/2014) | (0.025 - 0.057)/(10 - 5) | -0.0064 |
| ND<0.025 U (9/30/2015) | 0.057 (2/6/2014) | (0.025 - 0.057)/(11 - 5) | -0.00533333 |
| 0.037 (11/19/2015) | 0.057 (2/6/2014) | (0.037 - 0.057)/(12 - 5) | -0.00285714 |
| 0.043 (3/15/2016) | 0.057 (2/6/2014) | (0.043 - 0.057)/(13 - 5) | -0.00175 |
| ND<0.025 U (6/29/2016) | 0.057 (2/6/2014) | (0.025 - 0.057)/(14 - 5) | -0.00355556 |
| ND<0.025 U (8/9/2016) | 0.057 (2/6/2014) | (0.025 - 0.057)/(15 - 5) | -0.0032 |
| ND<0.025 U (12/7/2016) | 0.057 (2/6/2014) | (0.025 - 0.057)/(16 - 5) | -0.00290909 |
| ND<0.025 U (3/2/2017) | 0.057 (2/6/2014) | (0.025 - 0.057)/(17 - 5) | -0.00266667 |
| ND<0.025 U (6/21/2017) | 0.057 (2/6/2014) | (0.025 - 0.057)/(18 - 5) | -0.00246154 |
| ND<0.025 U (8/17/2017) | 0.057 (2/6/2014) | (0.025 - 0.057)/(19 - 5) | -0.00228571 |
| ND<0.025 U (10/26/2017) | 0.057 (2/6/2014) | (0.025 - 0.057)/(20 - 5) | -0.00213333 |
| ND<0.025 U (3/27/2018) | 0.057 (2/6/2014) | (0.025 - 0.057)/(21 - 5) | -0.002 |
| ND<0.025 U (6/26/2018) | 0.057 (2/6/2014) | (0.025 - 0.057)/(22 - 5) | -0.00188235 |
| 0.09 (8/1/2018) | 0.057 (2/6/2014) | (0.09 - 0.057)/(23 - 5) | 0.00183333 |
| ND<0.025 U (12/11/2018) | 0.057 (2/6/2014) | (0.025 - 0.057)/(24 - 5) | -0.00168421 |
| ND<0.025 U (4/17/2019) | 0.057 (2/6/2014) | (0.025 - 0.057)/(25 - 5) | -0.0016 |
| ND<0.025 U (6/11/2019) | 0.057 (2/6/2014) | (0.025 - 0.057)/(26 - 5) | -0.00152381 |
| ND<0.025 U (8/28/2019) | 0.057 (2/6/2014) | (0.025 - 0.057)/(27 - 5) | -0.00145455 |
| ND<0.025 U (10/28/2019) | 0.057 (2/6/2014) | (0.025 - 0.057)/(28 - 5) | -0.0013913 |
| ND<0.025 U (3/31/2020) | 0.057 (2/6/2014) | (0.025 - 0.057)/(29 - 5) | -0.00133333 |
| ND<0.03 U (6/10/2020) | 0.057 (2/6/2014) | (0.03 - 0.057)/(30 - 5) | -0.00108 |
| ND<0.03 U (9/21/2020) | 0.057 (2/6/2014) | (0.03 - 0.057)/(31 - 5) | -0.00103846 |
| ND<0.03 U (12/17/2020) | 0.057 (2/6/2014) | (0.03 - 0.057)/(32 - 5) | -0.001 |
| ND<0.03 U (3/18/2021) | 0.057 (2/6/2014) | (0.03 - 0.057)/(33 - 5) | -0.000964286 |
| ND<0.03 U (5/5/2021) | 0.057 (2/6/2014) | (0.03 - 0.057)/(34 - 5) | -0.000931034 |
| ND<0.03 U (9/2/2021) | 0.057 (2/6/2014) | (0.03 - 0.057)/(35 - 5) | -0.0009 |
| ND<0.03 U (11/23/2021) | 0.057 (2/6/2014) | (0.03 - 0.057)/(36 - 5) | -0.000870968 |
| 0.037 (1/10/2022) | 0.057 (2/6/2014) | (0.037 - 0.057)/(37 - 5) | -0.000625 |
| ND<0.03 U (4/7/2022) | 0.057 (2/6/2014) | (0.03 - 0.057)/(38 - 5) | -0.000818182 |
| ND<0.03 U (8/3/2022) | 0.057 (2/6/2014) | (0.03 - 0.057)/(39 - 5) | -0.000794118 |
| ND<0.03 U (11/16/2022) | 0.057 (2/6/2014) | (0.03 - 0.057)/(40 - 5) | -0.000771429 |
| ND<0.03 U (2/13/2023) | 0.057 (2/6/2014) | (0.03 - 0.057)/(41 - 5) | -0.00075 |

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|---|---|---|---|
| ND<0.025 U (9/30/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(7 - 6) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(8 - 6) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(9 - 6) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(10 - 6) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(11 - 6) | 0 |
| 0.037 (11/19/2015) | ND<0.025 U (6/26/2014) | (0.037 - 0.025)/(12 - 6) | 0.002 |
| 0.043 (3/15/2016) | ND<0.025 U (6/26/2014) | (0.043 - 0.025)/(13 - 6) | 0.00257143 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(14 - 6) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(15 - 6) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(16 - 6) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(17 - 6) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(18 - 6) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(19 - 6) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(20 - 6) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(21 - 6) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(22 - 6) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (6/26/2014) | (0.09 - 0.025)/(23 - 6) | 0.00382353 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(24 - 6) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(25 - 6) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(28 - 6) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(29 - 6) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(30 - 6) | 0.000208333 |

| | | | |
|---|---|---|---|
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(32 - 6) | 0.000192308 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(34 - 6) | 0.000178571 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(35 - 6) | 0.000172414 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(36 - 6) | 0.000166667 |
| 0.037 (1/10/2022) | ND<0.025 U (6/26/2014) | (0.037 - 0.025)/(37 - 6) | 0.000387097 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(38 - 6) | 0.00015625 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(41 - 6) | 0.000142857 |
| | | | |
| ND<0.025 U (11/19/2014) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(8 - 7) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(9 - 7) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| 0.037 (11/19/2015) | ND<0.025 U (9/30/2014) | (0.037 - 0.025)/(12 - 7) | 0.0024 |
| 0.043 (3/15/2016) | ND<0.025 U (9/30/2014) | (0.043 - 0.025)/(13 - 7) | 0.003 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(14 - 7) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(18 - 7) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(19 - 7) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(20 - 7) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (9/30/2014) | (0.09 - 0.025)/(23 - 7) | 0.0040625 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 7) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(28 - 7) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(29 - 7) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 7) | 0.0002 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 7) | 0.000185185 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| 0.037 (1/10/2022) | ND<0.025 U (9/30/2014) | (0.037 - 0.025)/(37 - 7) | 0.0004 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(38 - 7) | 0.00016129 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 7) | 0.000151515 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(41 - 7) | 0.000147059 |
| | | | |
| ND<0.025 U (3/23/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(9 - 8) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(10 - 8) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(11 - 8) | 0 |
| 0.037 (11/19/2015) | ND<0.025 U (11/19/2014) | (0.037 - 0.025)/(12 - 8) | 0.003 |
| 0.043 (3/15/2016) | ND<0.025 U (11/19/2014) | (0.043 - 0.025)/(13 - 8) | 0.0036 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(14 - 8) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(15 - 8) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(16 - 8) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(17 - 8) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(18 - 8) | 0 |

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|---|---|---|---|
| ND<0.025 U (8/17/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(19 - 8) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(20 - 8) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(21 - 8) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(22 - 8) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (11/19/2014) | (0.09 - 0.025)/(23 - 8) | 0.00433333 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(24 - 8) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(25 - 8) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(26 - 8) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(27 - 8) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(28 - 8) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(29 - 8) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(30 - 8) | 0.000227273 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(31 - 8) | 0.000217391 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(32 - 8) | 0.000208333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(33 - 8) | 0.0002 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(34 - 8) | 0.000192308 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(35 - 8) | 0.000185185 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(36 - 8) | 0.000178571 |
| 0.037 (1/10/2022) | ND<0.025 U (11/19/2014) | (0.037 - 0.025)/(37 - 8) | 0.000413793 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(38 - 8) | 0.000166667 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(39 - 8) | 0.00016129 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(40 - 8) | 0.00015625 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(41 - 8) | 0.000151515 |
| | | | |
| ND<0.025 U (4/22/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(10 - 9) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(11 - 9) | 0 |
| 0.037 (11/19/2015) | ND<0.025 U (3/23/2015) | (0.037 - 0.025)/(12 - 9) | 0.004 |
| 0.043 (3/15/2016) | ND<0.025 U (3/23/2015) | (0.043 - 0.025)/(13 - 9) | 0.0045 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(14 - 9) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(15 - 9) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(16 - 9) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(17 - 9) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(18 - 9) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(19 - 9) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(20 - 9) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(21 - 9) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(22 - 9) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (3/23/2015) | (0.09 - 0.025)/(23 - 9) | 0.00464286 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(24 - 9) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(25 - 9) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(26 - 9) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(27 - 9) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(28 - 9) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(29 - 9) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(30 - 9) | 0.000238095 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(31 - 9) | 0.000227273 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(32 - 9) | 0.000217391 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(33 - 9) | 0.000208333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(34 - 9) | 0.0002 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(35 - 9) | 0.000192308 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(36 - 9) | 0.000185185 |
| 0.037 (1/10/2022) | ND<0.025 U (3/23/2015) | (0.037 - 0.025)/(37 - 9) | 0.000428571 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(38 - 9) | 0.000172414 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(39 - 9) | 0.000166667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(40 - 9) | 0.00016129 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(41 - 9) | 0.00015625 |

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|---|---|---|---|
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| 0.037 (11/19/2015) | ND<0.025 U (4/22/2015) | (0.037 - 0.025)/(12 - 10) | 0.006 |
| 0.043 (3/15/2016) | ND<0.025 U (4/22/2015) | (0.043 - 0.025)/(13 - 10) | 0.006 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(14 - 10) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(18 - 10) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(19 - 10) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(20 - 10) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (4/22/2015) | (0.09 - 0.025)/(23 - 10) | 0.005 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(28 - 10) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(29 - 10) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| 0.037 (1/10/2022) | ND<0.025 U (4/22/2015) | (0.037 - 0.025)/(37 - 10) | 0.000444444 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(38 - 10) | 0.000178571 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(41 - 10) | 0.00016129 |
| | | | |
| 0.037 (11/19/2015) | ND<0.025 U (9/30/2015) | (0.037 - 0.025)/(12 - 11) | 0.012 |
| 0.043 (3/15/2016) | ND<0.025 U (9/30/2015) | (0.043 - 0.025)/(13 - 11) | 0.009 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(14 - 11) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(18 - 11) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(19 - 11) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(20 - 11) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (9/30/2015) | (0.09 - 0.025)/(23 - 11) | 0.00541667 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(28 - 11) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(29 - 11) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |

| | | | |
|---|---|---|---|
| 0.037 (1/10/2022) | ND<0.025 U (9/30/2015) | (0.037 - 0.025)/(37 - 11) | 0.000461538 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(38 - 11) | 0.000185185 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(41 - 11) | 0.000166667 |
| | | | |
| 0.043 (3/15/2016) | 0.037 (11/19/2015) | (0.043 - 0.037)/(13 - 12) | 0.006 |
| ND<0.025 U (6/29/2016) | 0.037 (11/19/2015) | (0.025 - 0.037)/(14 - 12) | -0.006 |
| ND<0.025 U (8/9/2016) | 0.037 (11/19/2015) | (0.025 - 0.037)/(15 - 12) | -0.004 |
| ND<0.025 U (12/7/2016) | 0.037 (11/19/2015) | (0.025 - 0.037)/(16 - 12) | -0.003 |
| ND<0.025 U (3/2/2017) | 0.037 (11/19/2015) | (0.025 - 0.037)/(17 - 12) | -0.0024 |
| ND<0.025 U (6/21/2017) | 0.037 (11/19/2015) | (0.025 - 0.037)/(18 - 12) | -0.002 |
| ND<0.025 U (8/17/2017) | 0.037 (11/19/2015) | (0.025 - 0.037)/(19 - 12) | -0.00171429 |
| ND<0.025 U (10/26/2017) | 0.037 (11/19/2015) | (0.025 - 0.037)/(20 - 12) | -0.0015 |
| ND<0.025 U (3/27/2018) | 0.037 (11/19/2015) | (0.025 - 0.037)/(21 - 12) | -0.00133333 |
| ND<0.025 U (6/26/2018) | 0.037 (11/19/2015) | (0.025 - 0.037)/(22 - 12) | -0.0012 |
| 0.09 (8/1/2018) | 0.037 (11/19/2015) | (0.09 - 0.037)/(23 - 12) | 0.00481818 |
| ND<0.025 U (12/11/2018) | 0.037 (11/19/2015) | (0.025 - 0.037)/(24 - 12) | -0.001 |
| ND<0.025 U (4/17/2019) | 0.037 (11/19/2015) | (0.025 - 0.037)/(25 - 12) | -0.000923077 |
| ND<0.025 U (6/11/2019) | 0.037 (11/19/2015) | (0.025 - 0.037)/(26 - 12) | -0.000857143 |
| ND<0.025 U (8/28/2019) | 0.037 (11/19/2015) | (0.025 - 0.037)/(27 - 12) | -0.0008 |
| ND<0.025 U (10/28/2019) | 0.037 (11/19/2015) | (0.025 - 0.037)/(28 - 12) | -0.00075 |
| ND<0.025 U (3/31/2020) | 0.037 (11/19/2015) | (0.025 - 0.037)/(29 - 12) | -0.000705882 |
| ND<0.03 U (6/10/2020) | 0.037 (11/19/2015) | (0.03 - 0.037)/(30 - 12) | -0.000388889 |
| ND<0.03 U (9/21/2020) | 0.037 (11/19/2015) | (0.03 - 0.037)/(31 - 12) | -0.000368421 |
| ND<0.03 U (12/17/2020) | 0.037 (11/19/2015) | (0.03 - 0.037)/(32 - 12) | -0.00035 |
| ND<0.03 U (3/18/2021) | 0.037 (11/19/2015) | (0.03 - 0.037)/(33 - 12) | -0.000333333 |
| ND<0.03 U (5/5/2021) | 0.037 (11/19/2015) | (0.03 - 0.037)/(34 - 12) | -0.000318182 |
| ND<0.03 U (9/2/2021) | 0.037 (11/19/2015) | (0.03 - 0.037)/(35 - 12) | -0.000304348 |
| ND<0.03 U (11/23/2021) | 0.037 (11/19/2015) | (0.03 - 0.037)/(36 - 12) | -0.000291667 |
| 0.037 (1/10/2022) | 0.037 (11/19/2015) | (0.037 - 0.037)/(37 - 12) | 0 |
| ND<0.03 U (4/7/2022) | 0.037 (11/19/2015) | (0.03 - 0.037)/(38 - 12) | -0.000269231 |
| ND<0.03 U (8/3/2022) | 0.037 (11/19/2015) | (0.03 - 0.037)/(39 - 12) | -0.000259259 |
| ND<0.03 U (11/16/2022) | 0.037 (11/19/2015) | (0.03 - 0.037)/(40 - 12) | -0.00025 |
| ND<0.03 U (2/13/2023) | 0.037 (11/19/2015) | (0.03 - 0.037)/(41 - 12) | -0.000241379 |
| | | | |
| ND<0.025 U (6/29/2016) | 0.043 (3/15/2016) | (0.025 - 0.043)/(14 - 13) | -0.018 |
| ND<0.025 U (8/9/2016) | 0.043 (3/15/2016) | (0.025 - 0.043)/(15 - 13) | -0.009 |
| ND<0.025 U (12/7/2016) | 0.043 (3/15/2016) | (0.025 - 0.043)/(16 - 13) | -0.006 |
| ND<0.025 U (3/2/2017) | 0.043 (3/15/2016) | (0.025 - 0.043)/(17 - 13) | -0.0045 |
| ND<0.025 U (6/21/2017) | 0.043 (3/15/2016) | (0.025 - 0.043)/(18 - 13) | -0.0036 |
| ND<0.025 U (8/17/2017) | 0.043 (3/15/2016) | (0.025 - 0.043)/(19 - 13) | -0.003 |
| ND<0.025 U (10/26/2017) | 0.043 (3/15/2016) | (0.025 - 0.043)/(20 - 13) | -0.00257143 |
| ND<0.025 U (3/27/2018) | 0.043 (3/15/2016) | (0.025 - 0.043)/(21 - 13) | -0.00225 |
| ND<0.025 U (6/26/2018) | 0.043 (3/15/2016) | (0.025 - 0.043)/(22 - 13) | -0.002 |
| 0.09 (8/1/2018) | 0.043 (3/15/2016) | (0.09 - 0.043)/(23 - 13) | 0.0047 |
| ND<0.025 U (12/11/2018) | 0.043 (3/15/2016) | (0.025 - 0.043)/(24 - 13) | -0.00163636 |
| ND<0.025 U (4/17/2019) | 0.043 (3/15/2016) | (0.025 - 0.043)/(25 - 13) | -0.0015 |
| ND<0.025 U (6/11/2019) | 0.043 (3/15/2016) | (0.025 - 0.043)/(26 - 13) | -0.00138462 |
| ND<0.025 U (8/28/2019) | 0.043 (3/15/2016) | (0.025 - 0.043)/(27 - 13) | -0.00128571 |
| ND<0.025 U (10/28/2019) | 0.043 (3/15/2016) | (0.025 - 0.043)/(28 - 13) | -0.0012 |
| ND<0.025 U (3/31/2020) | 0.043 (3/15/2016) | (0.025 - 0.043)/(29 - 13) | -0.001125 |
| ND<0.03 U (6/10/2020) | 0.043 (3/15/2016) | (0.03 - 0.043)/(30 - 13) | -0.000764706 |
| ND<0.03 U (9/21/2020) | 0.043 (3/15/2016) | (0.03 - 0.043)/(31 - 13) | -0.000722222 |
| ND<0.03 U (12/17/2020) | 0.043 (3/15/2016) | (0.03 - 0.043)/(32 - 13) | -0.000684211 |
| ND<0.03 U (3/18/2021) | 0.043 (3/15/2016) | (0.03 - 0.043)/(33 - 13) | -0.00065 |
| ND<0.03 U (5/5/2021) | 0.043 (3/15/2016) | (0.03 - 0.043)/(34 - 13) | -0.000619048 |

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|---|---|---|---|
| ND<0.03 U (9/2/2021) | 0.043 (3/15/2016) | (0.03 - 0.043)/(35 - 13) | -0.000590909 |
| ND<0.03 U (11/23/2021) | 0.043 (3/15/2016) | (0.03 - 0.043)/(36 - 13) | -0.000565217 |
| 0.037 (1/10/2022) | 0.043 (3/15/2016) | (0.037 - 0.043)/(37 - 13) | -0.00025 |
| ND<0.03 U (4/7/2022) | 0.043 (3/15/2016) | (0.03 - 0.043)/(38 - 13) | -0.00052 |
| ND<0.03 U (8/3/2022) | 0.043 (3/15/2016) | (0.03 - 0.043)/(39 - 13) | -0.0005 |
| ND<0.03 U (11/16/2022) | 0.043 (3/15/2016) | (0.03 - 0.043)/(40 - 13) | -0.000481481 |
| ND<0.03 U (2/13/2023) | 0.043 (3/15/2016) | (0.03 - 0.043)/(41 - 13) | -0.000464286 |
| | | | |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(15 - 14) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(16 - 14) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(17 - 14) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(18 - 14) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(19 - 14) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(20 - 14) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(21 - 14) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(22 - 14) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (6/29/2016) | (0.09 - 0.025)/(23 - 14) | 0.00722222 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(24 - 14) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(25 - 14) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(26 - 14) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(27 - 14) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(28 - 14) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(29 - 14) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(30 - 14) | 0.0003125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(31 - 14) | 0.000294118 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(32 - 14) | 0.000277778 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(33 - 14) | 0.000263158 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(34 - 14) | 0.00025 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(35 - 14) | 0.000238095 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(36 - 14) | 0.000227273 |
| 0.037 (1/10/2022) | ND<0.025 U (6/29/2016) | (0.037 - 0.025)/(37 - 14) | 0.000521739 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(38 - 14) | 0.000208333 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(39 - 14) | 0.0002 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(40 - 14) | 0.000192308 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(41 - 14) | 0.000185185 |
| | | | |
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(18 - 15) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(19 - 15) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(20 - 15) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (8/9/2016) | (0.09 - 0.025)/(23 - 15) | 0.008125 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(28 - 15) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(29 - 15) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |

| | | | |
|---|---|---|---|
| 0.037 (1/10/2022) | ND<0.025 U (8/9/2016) | (0.037 - 0.025)/(37 - 15) | 0.000545455 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(38 - 15) | 0.000217391 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(41 - 15) | 0.000192308 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(18 - 16) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(19 - 16) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(20 - 16) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (12/7/2016) | (0.09 - 0.025)/(23 - 16) | 0.00928571 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(28 - 16) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(29 - 16) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| 0.037 (1/10/2022) | ND<0.025 U (12/7/2016) | (0.037 - 0.025)/(37 - 16) | 0.000571429 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(38 - 16) | 0.000227273 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(41 - 16) | 0.0002 |
| | | | |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(18 - 17) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(19 - 17) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(20 - 17) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (3/2/2017) | (0.09 - 0.025)/(23 - 17) | 0.0108333 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(28 - 17) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(29 - 17) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| 0.037 (1/10/2022) | ND<0.025 U (3/2/2017) | (0.037 - 0.025)/(37 - 17) | 0.0006 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(38 - 17) | 0.000238095 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(41 - 17) | 0.000208333 |

| | | | |
|---|---|---|---|
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(19 - 18) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(20 - 18) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(21 - 18) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(22 - 18) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (6/21/2017) | (0.09 - 0.025)/(23 - 18) | 0.013 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(24 - 18) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(25 - 18) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(26 - 18) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(27 - 18) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(28 - 18) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(29 - 18) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(31 - 18) | 0.000384615 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(32 - 18) | 0.000357143 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(33 - 18) | 0.000333333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(34 - 18) | 0.0003125 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(35 - 18) | 0.000294118 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(36 - 18) | 0.000277778 |
| 0.037 (1/10/2022) | ND<0.025 U (6/21/2017) | (0.037 - 0.025)/(37 - 18) | 0.000631579 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(38 - 18) | 0.00025 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(39 - 18) | 0.000238095 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(40 - 18) | 0.000227273 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(41 - 18) | 0.000217391 |
| | | | |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(20 - 19) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(21 - 19) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(22 - 19) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (8/17/2017) | (0.09 - 0.025)/(23 - 19) | 0.01625 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(25 - 19) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(26 - 19) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(28 - 19) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(29 - 19) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(32 - 19) | 0.000384615 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(34 - 19) | 0.000333333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(35 - 19) | 0.0003125 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(36 - 19) | 0.000294118 |
| 0.037 (1/10/2022) | ND<0.025 U (8/17/2017) | (0.037 - 0.025)/(37 - 19) | 0.000666667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(38 - 19) | 0.000263158 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(41 - 19) | 0.000227273 |
| | | | |
| ND<0.025 U (3/27/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(21 - 20) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(22 - 20) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (10/26/2017) | (0.09 - 0.025)/(23 - 20) | 0.0216667 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(24 - 20) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(25 - 20) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(26 - 20) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(27 - 20) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(28 - 20) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(29 - 20) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |

| | | | |
|---|---|---|---|
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(31 - 20) | 0.000454545 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(32 - 20) | 0.000416667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(33 - 20) | 0.000384615 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(34 - 20) | 0.000357143 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(35 - 20) | 0.000333333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(36 - 20) | 0.0003125 |
| 0.037 (1/10/2022) | ND<0.025 U (10/26/2017) | (0.037 - 0.025)/(37 - 20) | 0.000705882 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(38 - 20) | 0.000277778 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(39 - 20) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(40 - 20) | 0.00025 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(41 - 20) | 0.000238095 |
| | | | |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| 0.09 (8/1/2018) | ND<0.025 U (3/27/2018) | (0.09 - 0.025)/(23 - 21) | 0.0325 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(28 - 21) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(29 - 21) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| 0.037 (1/10/2022) | ND<0.025 U (3/27/2018) | (0.037 - 0.025)/(37 - 21) | 0.00075 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(38 - 21) | 0.000294118 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(41 - 21) | 0.00025 |
| | | | |
| 0.09 (8/1/2018) | ND<0.025 U (6/26/2018) | (0.09 - 0.025)/(23 - 22) | 0.065 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(28 - 22) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(29 - 22) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| 0.037 (1/10/2022) | ND<0.025 U (6/26/2018) | (0.037 - 0.025)/(37 - 22) | 0.0008 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(38 - 22) | 0.0003125 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(41 - 22) | 0.000263158 |
| | | | |
| ND<0.025 U (12/11/2018) | 0.09 (8/1/2018) | (0.025 - 0.09)/(24 - 23) | -0.065 |
| ND<0.025 U (4/17/2019) | 0.09 (8/1/2018) | (0.025 - 0.09)/(25 - 23) | -0.0325 |
| ND<0.025 U (6/11/2019) | 0.09 (8/1/2018) | (0.025 - 0.09)/(26 - 23) | -0.0216667 |
| ND<0.025 U (8/28/2019) | 0.09 (8/1/2018) | (0.025 - 0.09)/(27 - 23) | -0.01625 |

| | | | |
|---|---|---|---|
| ND<0.025 U (10/28/2019) | 0.09 (8/1/2018) | (0.025 - 0.09)/(28 - 23) | -0.013 |
| ND<0.025 U (3/31/2020) | 0.09 (8/1/2018) | (0.025 - 0.09)/(29 - 23) | -0.0108333 |
| ND<0.03 U (6/10/2020) | 0.09 (8/1/2018) | (0.03 - 0.09)/(30 - 23) | -0.00857143 |
| ND<0.03 U (9/21/2020) | 0.09 (8/1/2018) | (0.03 - 0.09)/(31 - 23) | -0.0075 |
| ND<0.03 U (12/17/2020) | 0.09 (8/1/2018) | (0.03 - 0.09)/(32 - 23) | -0.00666667 |
| ND<0.03 U (3/18/2021) | 0.09 (8/1/2018) | (0.03 - 0.09)/(33 - 23) | -0.006 |
| ND<0.03 U (5/5/2021) | 0.09 (8/1/2018) | (0.03 - 0.09)/(34 - 23) | -0.00545455 |
| ND<0.03 U (9/2/2021) | 0.09 (8/1/2018) | (0.03 - 0.09)/(35 - 23) | -0.005 |
| ND<0.03 U (11/23/2021) | 0.09 (8/1/2018) | (0.03 - 0.09)/(36 - 23) | -0.00461538 |
| 0.037 (1/10/2022) | 0.09 (8/1/2018) | (0.037 - 0.09)/(37 - 23) | -0.00378571 |
| ND<0.03 U (4/7/2022) | 0.09 (8/1/2018) | (0.03 - 0.09)/(38 - 23) | -0.004 |
| ND<0.03 U (8/3/2022) | 0.09 (8/1/2018) | (0.03 - 0.09)/(39 - 23) | -0.00375 |
| ND<0.03 U (11/16/2022) | 0.09 (8/1/2018) | (0.03 - 0.09)/(40 - 23) | -0.00352941 |
| ND<0.03 U (2/13/2023) | 0.09 (8/1/2018) | (0.03 - 0.09)/(41 - 23) | -0.00333333 |
| | | | |
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(28 - 24) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(29 - 24) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(32 - 24) | 0.000625 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| 0.037 (1/10/2022) | ND<0.025 U (12/11/2018) | (0.037 - 0.025)/(37 - 24) | 0.000923077 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(38 - 24) | 0.000357143 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(41 - 24) | 0.000294118 |
| | | | |
| ND<0.025 U (6/11/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(28 - 25) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(29 - 25) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| 0.037 (1/10/2022) | ND<0.025 U (4/17/2019) | (0.037 - 0.025)/(37 - 25) | 0.001 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(38 - 25) | 0.000384615 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(41 - 25) | 0.0003125 |
| | | | |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/11/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/11/2019) | (0.025 - 0.025)/(28 - 26) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (6/11/2019) | (0.025 - 0.025)/(29 - 26) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(32 - 26) | 0.000833333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |

| | | | |
|---|---|---|---|
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(35 - 26) | 0.000555556 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| 0.037 (1/10/2022) | ND<0.025 U (6/11/2019) | (0.037 - 0.025)/(37 - 26) | 0.00109091 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(38 - 26) | 0.000416667 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(41 - 26) | 0.000333333 |
| | | | |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/28/2019) | (0.025 - 0.025)/(28 - 27) | 0 |
| ND<0.025 U (3/31/2020) | ND<0.025 U (8/28/2019) | (0.025 - 0.025)/(29 - 27) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| 0.037 (1/10/2022) | ND<0.025 U (8/28/2019) | (0.037 - 0.025)/(37 - 27) | 0.0012 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(38 - 27) | 0.000454545 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| | | | |
| ND<0.025 U (3/31/2020) | ND<0.025 U (10/28/2019) | (0.025 - 0.025)/(29 - 28) | 0 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(30 - 28) | 0.0025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(31 - 28) | 0.00166667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(32 - 28) | 0.00125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(33 - 28) | 0.001 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(34 - 28) | 0.000833333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(35 - 28) | 0.000714286 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(36 - 28) | 0.000625 |
| 0.037 (1/10/2022) | ND<0.025 U (10/28/2019) | (0.037 - 0.025)/(37 - 28) | 0.00133333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(38 - 28) | 0.0005 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(39 - 28) | 0.000454545 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(40 - 28) | 0.000416667 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(41 - 28) | 0.000384615 |
| | | | |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(30 - 29) | 0.005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(31 - 29) | 0.0025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(32 - 29) | 0.00166667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(33 - 29) | 0.00125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(34 - 29) | 0.001 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(35 - 29) | 0.000833333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(36 - 29) | 0.000714286 |
| 0.037 (1/10/2022) | ND<0.025 U (3/31/2020) | (0.037 - 0.025)/(37 - 29) | 0.0015 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(38 - 29) | 0.000555556 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(39 - 29) | 0.0005 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(40 - 29) | 0.000454545 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/31/2020) | (0.03 - 0.025)/(41 - 29) | 0.000416667 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(32 - 30) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(36 - 30) | 0 |

| | | | |
|---|---|---|---|
| 0.037 (1/10/2022) | ND<0.03 U (6/10/2020) | (0.037 - 0.03)/(37 - 30) | 0.001 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(38 - 30) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| | | | |
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| 0.037 (1/10/2022) | ND<0.03 U (9/21/2020) | (0.037 - 0.03)/(37 - 31) | 0.00116667 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(38 - 31) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| | | | |
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(34 - 32) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(35 - 32) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| 0.037 (1/10/2022) | ND<0.03 U (12/17/2020) | (0.037 - 0.03)/(37 - 32) | 0.0014 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(38 - 32) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(41 - 32) | 0 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(35 - 33) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| 0.037 (1/10/2022) | ND<0.03 U (3/18/2021) | (0.037 - 0.03)/(37 - 33) | 0.00175 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(38 - 33) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(35 - 34) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(36 - 34) | 0 |
| 0.037 (1/10/2022) | ND<0.03 U (5/5/2021) | (0.037 - 0.03)/(37 - 34) | 0.00233333 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(38 - 34) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(41 - 34) | 0 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(36 - 35) | 0 |
| 0.037 (1/10/2022) | ND<0.03 U (9/2/2021) | (0.037 - 0.03)/(37 - 35) | 0.0035 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(38 - 35) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(40 - 35) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(41 - 35) | 0 |
| | | | |
| 0.037 (1/10/2022) | ND<0.03 U (11/23/2021) | (0.037 - 0.03)/(37 - 36) | 0.007 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(38 - 36) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(41 - 36) | 0 |

| | | | |
|---|---|---|---|
| ND<0.03 U (4/7/2022) | 0.037 (1/10/2022) | (0.03 - 0.037)/(38 - 37) | -0.007 |
| ND<0.03 U (8/3/2022) | 0.037 (1/10/2022) | (0.03 - 0.037)/(39 - 37) | -0.0035 |
| ND<0.03 U (11/16/2022) | 0.037 (1/10/2022) | (0.03 - 0.037)/(40 - 37) | -0.00233333 |
| ND<0.03 U (2/13/2023) | 0.037 (1/10/2022) | (0.03 - 0.037)/(41 - 37) | -0.00175 |
| | | | |
| ND<0.03 U (8/3/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 38) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(40 - 38) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(41 - 38) | 0 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| | | | |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |

Number of Q values = 820

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.065 |
| 2 | -0.0325 |
| 3 | -0.032 |
| 4 | -0.0216667 |
| 5 | -0.018 |
| 6 | -0.01625 |
| 7 | -0.016 |
| 8 | -0.013 |
| 9 | -0.0108333 |
| 10 | -0.0106667 |
| 11 | -0.009 |
| 12 | -0.00857143 |
| 13 | -0.008 |
| 14 | -0.008 |
| 15 | -0.008 |
| 16 | -0.0075 |
| 17 | -0.007 |
| 18 | -0.00666667 |
| 19 | -0.0064 |
| 20 | -0.006 |
| 21 | -0.006 |
| 22 | -0.006 |
| 23 | -0.0055 |
| 24 | -0.00545455 |
| 25 | -0.00533333 |
| 26 | -0.00533333 |
| 27 | -0.005 |
| 28 | -0.00461538 |
| 29 | -0.0045 |
| 30 | -0.004 |
| 31 | -0.004 |
| 32 | -0.004 |
| 33 | -0.00378571 |
| 34 | -0.00375 |
| 35 | -0.0036 |
| 36 | -0.00355556 |
| 37 | -0.00352941 |
| 38 | -0.0035 |

| | |
|---|---|
| 39 | -0.00333333 |
| 40 | -0.0032 |
| 41 | -0.0032 |
| 42 | -0.003 |
| 43 | -0.003 |
| 44 | -0.003 |
| 45 | -0.00290909 |
| 46 | -0.00285714 |
| 47 | -0.00266667 |
| 48 | -0.00266667 |
| 49 | -0.00257143 |
| 50 | -0.00246154 |
| 51 | -0.0024 |
| 52 | -0.00233333 |
| 53 | -0.00228571 |
| 54 | -0.00228571 |
| 55 | -0.00225 |
| 56 | -0.0022 |
| 57 | -0.00213333 |
| 58 | -0.002 |
| 59 | -0.002 |
| 60 | -0.002 |
| 61 | -0.002 |
| 62 | -0.00188235 |
| 63 | -0.00183333 |
| 64 | -0.00175 |
| 65 | -0.00175 |
| 66 | -0.00171429 |
| 67 | -0.00168421 |
| 68 | -0.00163636 |
| 69 | -0.0016 |
| 70 | -0.0016 |
| 71 | -0.0016 |
| 72 | -0.00157143 |
| 73 | -0.00152381 |
| 74 | -0.0015 |
| 75 | -0.0015 |
| 76 | -0.00145455 |
| 77 | -0.00145455 |
| 78 | -0.0013913 |
| 79 | -0.00138462 |
| 80 | -0.001375 |
| 81 | -0.00133333 |
| 82 | -0.00133333 |
| 83 | -0.00133333 |
| 84 | -0.00133333 |
| 85 | -0.00128571 |
| 86 | -0.00123077 |
| 87 | -0.00122222 |
| 88 | -0.0012 |
| 89 | -0.0012 |
| 90 | -0.00114286 |
| 91 | -0.00114286 |
| 92 | -0.001125 |
| 93 | -0.0011 |
| 94 | -0.00108 |
| 95 | -0.00106667 |

| | |
|---|---|
| 96 | -0.00103846 |
| 97 | -0.001 |
| 98 | -0.001 |
| 99 | -0.001 |
| 100 | -0.001 |
| 101 | -0.000964286 |
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| 723 | 0.000583333 |
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| 749 | 0.000923077 |
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| 757 | 0.00109091 |
| 758 | 0.00116667 |
| 759 | 0.0012 |
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| 765 | 0.00133333 |
| 766 | 0.0014 |
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| 768 | 0.00166667 |
| 769 | 0.00166667 |
| 770 | 0.00166667 |
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| 776 | 0.00233333 |
| 777 | 0.0024 |
| 778 | 0.00245455 |
| 779 | 0.0025 |

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| 780 | 0.0025 |
| 781 | 0.00257143 |
| 782 | 0.00257895 |
| 783 | 0.00271429 |
| 784 | 0.003 |
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| 787 | 0.0035 |
| 788 | 0.0036 |
| 789 | 0.00382353 |
| 790 | 0.004 |
| 791 | 0.004 |
| 792 | 0.0040625 |
| 793 | 0.00433333 |
| 794 | 0.0045 |
| 795 | 0.00464286 |
| 796 | 0.0047 |
| 797 | 0.00481818 |
| 798 | 0.005 |
| 799 | 0.005 |
| 800 | 0.00525 |
| 801 | 0.00541667 |
| 802 | 0.006 |
| 803 | 0.006 |
| 804 | 0.006 |
| 805 | 0.007 |
| 806 | 0.00722222 |
| 807 | 0.008 |
| 808 | 0.008125 |
| 809 | 0.009 |
| 810 | 0.00928571 |
| 811 | 0.0108333 |
| 812 | 0.012 |
| 813 | 0.013 |
| 814 | 0.016 |
| 815 | 0.016 |
| 816 | 0.016 |
| 817 | 0.01625 |
| 818 | 0.0216667 |
| 819 | 0.0325 |
| 820 | 0.065 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.025 | 22 |
| 2 | 0.037 | 2 |
| 3 | 0.03 | 11 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |

| | |
|---|---|
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |

There are 0 time periods with multiple data

---

A = 25626
B = 0
C = 10230
D = 0
E = 574
F = 0
a = 142680
b = 575640
c = 3280
Group Variance = 6503
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 132.643
M1 = (820 - 132.643)/2.0 = 343.679
M2 = (820 + 132.643)/2.0 + 1 = 477.321
Lower limit is 0 = Q(344)
Upper limit is 0 = Q(477)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: HB 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.025 U (5/20/2013) | 0.081 (3/12/2013) | (0.025 - 0.081)/(2 - 1) | -0.056 |
| 0.037 (9/23/2013) | 0.081 (3/12/2013) | (0.037 - 0.081)/(3 - 1) | -0.022 |
| 0.14 (12/10/2013) | 0.081 (3/12/2013) | (0.14 - 0.081)/(4 - 1) | 0.0196667 |
| 0.03 (2/6/2014) | 0.081 (3/12/2013) | (0.03 - 0.081)/(5 - 1) | -0.01275 |
| ND<0.025 U (6/26/2014) | 0.081 (3/12/2013) | (0.025 - 0.081)/(6 - 1) | -0.0112 |
| ND<0.025 U (9/30/2014) | 0.081 (3/12/2013) | (0.025 - 0.081)/(7 - 1) | -0.00933333 |
| 0.098 (11/19/2014) | 0.081 (3/12/2013) | (0.098 - 0.081)/(8 - 1) | 0.00242857 |
| ND<0.025 U (3/23/2015) | 0.081 (3/12/2013) | (0.025 - 0.081)/(9 - 1) | -0.007 |
| ND<0.025 U (4/22/2015) | 0.081 (3/12/2013) | (0.025 - 0.081)/(10 - 1) | -0.00622222 |
| ND<0.025 U (9/30/2015) | 0.081 (3/12/2013) | (0.025 - 0.081)/(11 - 1) | -0.0056 |
| 0.045 (11/19/2015) | 0.081 (3/12/2013) | (0.045 - 0.081)/(12 - 1) | -0.00327273 |
| 0.087 (3/15/2016) | 0.081 (3/12/2013) | (0.087 - 0.081)/(13 - 1) | 0.0005 |
| ND<0.025 U (6/29/2016) | 0.081 (3/12/2013) | (0.025 - 0.081)/(14 - 1) | -0.00430769 |
| ND<0.025 U (8/9/2016) | 0.081 (3/12/2013) | (0.025 - 0.081)/(15 - 1) | -0.004 |
| ND<0.025 U (12/7/2016) | 0.081 (3/12/2013) | (0.025 - 0.081)/(16 - 1) | -0.00373333 |
| ND<0.025 U (3/2/2017) | 0.081 (3/12/2013) | (0.025 - 0.081)/(17 - 1) | -0.0035 |
| ND<0.025 U (7/5/2017) | 0.081 (3/12/2013) | (0.025 - 0.081)/(18 - 1) | -0.00329412 |
| ND<0.025 U (8/16/2017) | 0.081 (3/12/2013) | (0.025 - 0.081)/(19 - 1) | -0.00311111 |
| ND<0.025 U (10/25/2017) | 0.081 (3/12/2013) | (0.025 - 0.081)/(20 - 1) | -0.00294737 |
| ND<0.025 U (3/28/2018) | 0.081 (3/12/2013) | (0.025 - 0.081)/(21 - 1) | -0.0028 |
| ND<0.025 U (6/29/2018) | 0.081 (3/12/2013) | (0.025 - 0.081)/(22 - 1) | -0.00266667 |
| ND<0.025 U (8/2/2018) | 0.081 (3/12/2013) | (0.025 - 0.081)/(23 - 1) | -0.00254545 |
| ND<0.025 U (12/10/2018) | 0.081 (3/12/2013) | (0.025 - 0.081)/(24 - 1) | -0.00243478 |
| ND<0.025 U (4/15/2019) | 0.081 (3/12/2013) | (0.025 - 0.081)/(25 - 1) | -0.00233333 |
| ND<0.025 U (6/12/2019) | 0.081 (3/12/2013) | (0.025 - 0.081)/(26 - 1) | -0.00224 |
| ND<0.025 U (8/27/2019) | 0.081 (3/12/2013) | (0.025 - 0.081)/(27 - 1) | -0.00215385 |
| ND<0.025 U (10/29/2019) | 0.081 (3/12/2013) | (0.025 - 0.081)/(28 - 1) | -0.00207407 |
| ND<0.025 U (3/30/2020) | 0.081 (3/12/2013) | (0.025 - 0.081)/(29 - 1) | -0.002 |
| ND<0.03 U (6/16/2020) | 0.081 (3/12/2013) | (0.03 - 0.081)/(30 - 1) | -0.00175862 |
| ND<0.03 U (9/21/2020) | 0.081 (3/12/2013) | (0.03 - 0.081)/(31 - 1) | -0.0017 |
| ND<0.03 U (12/17/2020) | 0.081 (3/12/2013) | (0.03 - 0.081)/(32 - 1) | -0.00164516 |
| ND<0.03 U (3/18/2021) | 0.081 (3/12/2013) | (0.03 - 0.081)/(33 - 1) | -0.00159375 |
| ND<0.03 U (5/5/2021) | 0.081 (3/12/2013) | (0.03 - 0.081)/(34 - 1) | -0.00154545 |
| ND<0.03 U (9/2/2021) | 0.081 (3/12/2013) | (0.03 - 0.081)/(35 - 1) | -0.0015 |
| ND<0.03 U (11/23/2021) | 0.081 (3/12/2013) | (0.03 - 0.081)/(36 - 1) | -0.00145714 |
| ND<0.03 U (1/11/2022) | 0.081 (3/12/2013) | (0.03 - 0.081)/(37 - 1) | -0.00141667 |
| ND<0.03 U (4/7/2022) | 0.081 (3/12/2013) | (0.03 - 0.081)/(38 - 1) | -0.00137838 |
| ND<0.03 U (8/2/2022) | 0.081 (3/12/2013) | (0.03 - 0.081)/(39 - 1) | -0.00134211 |
| ND<0.03 U (11/16/2022) | 0.081 (3/12/2013) | (0.03 - 0.081)/(40 - 1) | -0.00130769 |
| ND<0.03 U (2/14/2023) | 0.081 (3/12/2013) | (0.03 - 0.081)/(41 - 1) | -0.001275 |
| ND<0.014 U (5/25/2023) | 0.081 (3/12/2013) | (0.014 - 0.081)/(42 - 1) | -0.00163415 |
| ND<0.03 U (8/7/2023) | 0.081 (3/12/2013) | (0.03 - 0.081)/(43 - 1) | -0.00121429 |
| ND<0.014 U (12/12/2023) | 0.081 (3/12/2013) | (0.014 - 0.081)/(44 - 1) | -0.00155814 |
| 0.025 (1/10/2024) | 0.081 (3/12/2013) | (0.025 - 0.081)/(45 - 1) | -0.00127273 |
| ND<0.03 U (5/21/2024) | 0.081 (3/12/2013) | (0.03 - 0.081)/(46 - 1) | -0.00113333 |
| ND<0.014 U (9/16/2024) | 0.081 (3/12/2013) | (0.014 - 0.081)/(47 - 1) | -0.00145652 |
| ND<0.0196 U (12/11/2024) | 0.081 (3/12/2013) | (0.0196 - 0.081)/(48 - 1) | -0.00130638 |
| 0.048 (2/18/2025) | 0.081 (3/12/2013) | (0.048 - 0.081)/(49 - 1) | -0.0006875 |

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|---|---|---|---|
| 0.037 (9/23/2013) | ND<0.025 U (5/20/2013) | (0.037 - 0.025)/(3 - 2) | 0.012 |
| 0.14 (12/10/2013) | ND<0.025 U (5/20/2013) | (0.14 - 0.025)/(4 - 2) | 0.0575 |
| 0.03 (2/6/2014) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(5 - 2) | 0.00166667 |
| ND<0.025 U (6/26/2014) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(6 - 2) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(7 - 2) | 0 |
| 0.098 (11/19/2014) | ND<0.025 U (5/20/2013) | (0.098 - 0.025)/(8 - 2) | 0.0121667 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(9 - 2) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(10 - 2) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(11 - 2) | 0 |
| 0.045 (11/19/2015) | ND<0.025 U (5/20/2013) | (0.045 - 0.025)/(12 - 2) | 0.002 |
| 0.087 (3/15/2016) | ND<0.025 U (5/20/2013) | (0.087 - 0.025)/(13 - 2) | 0.00563636 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(14 - 2) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(15 - 2) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(16 - 2) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(17 - 2) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(18 - 2) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(19 - 2) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(20 - 2) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(21 - 2) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(22 - 2) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(23 - 2) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(24 - 2) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(25 - 2) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(26 - 2) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(27 - 2) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(28 - 2) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(29 - 2) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(30 - 2) | 0.000178571 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(31 - 2) | 0.000172414 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(32 - 2) | 0.000166667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(33 - 2) | 0.00016129 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(34 - 2) | 0.00015625 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(35 - 2) | 0.000151515 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(36 - 2) | 0.000147059 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(37 - 2) | 0.000142857 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(38 - 2) | 0.000138889 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(39 - 2) | 0.000135135 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(40 - 2) | 0.000131579 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(41 - 2) | 0.000128205 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (5/20/2013) | (0.014 - 0.025)/(42 - 2) | -0.000275 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(43 - 2) | 0.000121951 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (5/20/2013) | (0.014 - 0.025)/(44 - 2) | -0.000261905 |
| 0.025 (1/10/2024) | ND<0.025 U (5/20/2013) | (0.025 - 0.025)/(45 - 2) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (5/20/2013) | (0.03 - 0.025)/(46 - 2) | 0.000113636 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (5/20/2013) | (0.014 - 0.025)/(47 - 2) | -0.000244444 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (5/20/2013) | (0.0196 - 0.025)/(48 - 2) | -0.000117391 |
| 0.048 (2/18/2025) | ND<0.025 U (5/20/2013) | (0.048 - 0.025)/(49 - 2) | 0.000489362 |

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|---|---|---|---|
| 0.14 (12/10/2013) | 0.037 (9/23/2013) | (0.14 - 0.037)/(4 - 3) | 0.103 |
| 0.03 (2/6/2014) | 0.037 (9/23/2013) | (0.03 - 0.037)/(5 - 3) | -0.0035 |
| ND<0.025 U (6/26/2014) | 0.037 (9/23/2013) | (0.025 - 0.037)/(6 - 3) | -0.004 |
| ND<0.025 U (9/30/2014) | 0.037 (9/23/2013) | (0.025 - 0.037)/(7 - 3) | -0.003 |
| 0.098 (11/19/2014) | 0.037 (9/23/2013) | (0.098 - 0.037)/(8 - 3) | 0.0122 |
| ND<0.025 U (3/23/2015) | 0.037 (9/23/2013) | (0.025 - 0.037)/(9 - 3) | -0.002 |
| ND<0.025 U (4/22/2015) | 0.037 (9/23/2013) | (0.025 - 0.037)/(10 - 3) | -0.00171429 |
| ND<0.025 U (9/30/2015) | 0.037 (9/23/2013) | (0.025 - 0.037)/(11 - 3) | -0.0015 |

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|---|---|---|---|
| 0.045 (11/19/2015) | 0.037 (9/23/2013) | (0.045 - 0.037)/(12 - 3) | 0.000888889 |
| 0.087 (3/15/2016) | 0.037 (9/23/2013) | (0.087 - 0.037)/(13 - 3) | 0.005 |
| ND<0.025 U (6/29/2016) | 0.037 (9/23/2013) | (0.025 - 0.037)/(14 - 3) | -0.00109091 |
| ND<0.025 U (8/9/2016) | 0.037 (9/23/2013) | (0.025 - 0.037)/(15 - 3) | -0.001 |
| ND<0.025 U (12/7/2016) | 0.037 (9/23/2013) | (0.025 - 0.037)/(16 - 3) | -0.000923077 |
| ND<0.025 U (3/2/2017) | 0.037 (9/23/2013) | (0.025 - 0.037)/(17 - 3) | -0.000857143 |
| ND<0.025 U (7/5/2017) | 0.037 (9/23/2013) | (0.025 - 0.037)/(18 - 3) | -0.0008 |
| ND<0.025 U (8/16/2017) | 0.037 (9/23/2013) | (0.025 - 0.037)/(19 - 3) | -0.00075 |
| ND<0.025 U (10/25/2017) | 0.037 (9/23/2013) | (0.025 - 0.037)/(20 - 3) | -0.000705882 |
| ND<0.025 U (3/28/2018) | 0.037 (9/23/2013) | (0.025 - 0.037)/(21 - 3) | -0.000666667 |
| ND<0.025 U (6/29/2018) | 0.037 (9/23/2013) | (0.025 - 0.037)/(22 - 3) | -0.000631579 |
| ND<0.025 U (8/2/2018) | 0.037 (9/23/2013) | (0.025 - 0.037)/(23 - 3) | -0.0006 |
| ND<0.025 U (12/10/2018) | 0.037 (9/23/2013) | (0.025 - 0.037)/(24 - 3) | -0.000571429 |
| ND<0.025 U (4/15/2019) | 0.037 (9/23/2013) | (0.025 - 0.037)/(25 - 3) | -0.000545455 |
| ND<0.025 U (6/12/2019) | 0.037 (9/23/2013) | (0.025 - 0.037)/(26 - 3) | -0.000521739 |
| ND<0.025 U (8/27/2019) | 0.037 (9/23/2013) | (0.025 - 0.037)/(27 - 3) | -0.0005 |
| ND<0.025 U (10/29/2019) | 0.037 (9/23/2013) | (0.025 - 0.037)/(28 - 3) | -0.00048 |
| ND<0.025 U (3/30/2020) | 0.037 (9/23/2013) | (0.025 - 0.037)/(29 - 3) | -0.000461538 |
| ND<0.03 U (6/16/2020) | 0.037 (9/23/2013) | (0.03 - 0.037)/(30 - 3) | -0.000259259 |
| ND<0.03 U (9/21/2020) | 0.037 (9/23/2013) | (0.03 - 0.037)/(31 - 3) | -0.00025 |
| ND<0.03 U (12/17/2020) | 0.037 (9/23/2013) | (0.03 - 0.037)/(32 - 3) | -0.000241379 |
| ND<0.03 U (3/18/2021) | 0.037 (9/23/2013) | (0.03 - 0.037)/(33 - 3) | -0.000233333 |
| ND<0.03 U (5/5/2021) | 0.037 (9/23/2013) | (0.03 - 0.037)/(34 - 3) | -0.000225806 |
| ND<0.03 U (9/2/2021) | 0.037 (9/23/2013) | (0.03 - 0.037)/(35 - 3) | -0.00021875 |
| ND<0.03 U (11/23/2021) | 0.037 (9/23/2013) | (0.03 - 0.037)/(36 - 3) | -0.000212121 |
| ND<0.03 U (1/11/2022) | 0.037 (9/23/2013) | (0.03 - 0.037)/(37 - 3) | -0.000205882 |
| ND<0.03 U (4/7/2022) | 0.037 (9/23/2013) | (0.03 - 0.037)/(38 - 3) | -0.0002 |
| ND<0.03 U (8/2/2022) | 0.037 (9/23/2013) | (0.03 - 0.037)/(39 - 3) | -0.000194444 |
| ND<0.03 U (11/16/2022) | 0.037 (9/23/2013) | (0.03 - 0.037)/(40 - 3) | -0.000189189 |
| ND<0.03 U (2/14/2023) | 0.037 (9/23/2013) | (0.03 - 0.037)/(41 - 3) | -0.000184211 |
| ND<0.014 U (5/25/2023) | 0.037 (9/23/2013) | (0.014 - 0.037)/(42 - 3) | -0.000589744 |
| ND<0.03 U (8/7/2023) | 0.037 (9/23/2013) | (0.03 - 0.037)/(43 - 3) | -0.000175 |
| ND<0.014 U (12/12/2023) | 0.037 (9/23/2013) | (0.014 - 0.037)/(44 - 3) | -0.000560976 |
| 0.025 (1/10/2024) | 0.037 (9/23/2013) | (0.025 - 0.037)/(45 - 3) | -0.000285714 |
| ND<0.03 U (5/21/2024) | 0.037 (9/23/2013) | (0.03 - 0.037)/(46 - 3) | -0.000162791 |
| ND<0.014 U (9/16/2024) | 0.037 (9/23/2013) | (0.014 - 0.037)/(47 - 3) | -0.000522727 |
| ND<0.0196 U (12/11/2024) | 0.037 (9/23/2013) | (0.0196 - 0.037)/(48 - 3) | -0.000386667 |
| 0.048 (2/18/2025) | 0.037 (9/23/2013) | (0.048 - 0.037)/(49 - 3) | 0.00023913 |

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|---|---|---|---|
| 0.03 (2/6/2014) | 0.14 (12/10/2013) | (0.03 - 0.14)/(5 - 4) | -0.11 |
| ND<0.025 U (6/26/2014) | 0.14 (12/10/2013) | (0.025 - 0.14)/(6 - 4) | -0.0575 |
| ND<0.025 U (9/30/2014) | 0.14 (12/10/2013) | (0.025 - 0.14)/(7 - 4) | -0.0383333 |
| 0.098 (11/19/2014) | 0.14 (12/10/2013) | (0.098 - 0.14)/(8 - 4) | -0.0105 |
| ND<0.025 U (3/23/2015) | 0.14 (12/10/2013) | (0.025 - 0.14)/(9 - 4) | -0.023 |
| ND<0.025 U (4/22/2015) | 0.14 (12/10/2013) | (0.025 - 0.14)/(10 - 4) | -0.0191667 |
| ND<0.025 U (9/30/2015) | 0.14 (12/10/2013) | (0.025 - 0.14)/(11 - 4) | -0.0164286 |
| 0.045 (11/19/2015) | 0.14 (12/10/2013) | (0.045 - 0.14)/(12 - 4) | -0.011875 |
| 0.087 (3/15/2016) | 0.14 (12/10/2013) | (0.087 - 0.14)/(13 - 4) | -0.00588889 |
| ND<0.025 U (6/29/2016) | 0.14 (12/10/2013) | (0.025 - 0.14)/(14 - 4) | -0.0115 |
| ND<0.025 U (8/9/2016) | 0.14 (12/10/2013) | (0.025 - 0.14)/(15 - 4) | -0.0104545 |
| ND<0.025 U (12/7/2016) | 0.14 (12/10/2013) | (0.025 - 0.14)/(16 - 4) | -0.00958333 |
| ND<0.025 U (3/2/2017) | 0.14 (12/10/2013) | (0.025 - 0.14)/(17 - 4) | -0.00884615 |
| ND<0.025 U (7/5/2017) | 0.14 (12/10/2013) | (0.025 - 0.14)/(18 - 4) | -0.00821429 |
| ND<0.025 U (8/16/2017) | 0.14 (12/10/2013) | (0.025 - 0.14)/(19 - 4) | -0.00766667 |
| ND<0.025 U (10/25/2017) | 0.14 (12/10/2013) | (0.025 - 0.14)/(20 - 4) | -0.0071875 |
| ND<0.025 U (3/28/2018) | 0.14 (12/10/2013) | (0.025 - 0.14)/(21 - 4) | -0.00676471 |
| ND<0.025 U (6/29/2018) | 0.14 (12/10/2013) | (0.025 - 0.14)/(22 - 4) | -0.00638889 |

| | | | |
|---|---|---|---|
| ND<0.025 U (8/2/2018) | 0.14 (12/10/2013) | (0.025 - 0.14)/(23 - 4) | -0.00605263 |
| ND<0.025 U (12/10/2018) | 0.14 (12/10/2013) | (0.025 - 0.14)/(24 - 4) | -0.00575 |
| ND<0.025 U (4/15/2019) | 0.14 (12/10/2013) | (0.025 - 0.14)/(25 - 4) | -0.00547619 |
| ND<0.025 U (6/12/2019) | 0.14 (12/10/2013) | (0.025 - 0.14)/(26 - 4) | -0.00522727 |
| ND<0.025 U (8/27/2019) | 0.14 (12/10/2013) | (0.025 - 0.14)/(27 - 4) | -0.005 |
| ND<0.025 U (10/29/2019) | 0.14 (12/10/2013) | (0.025 - 0.14)/(28 - 4) | -0.00479167 |
| ND<0.025 U (3/30/2020) | 0.14 (12/10/2013) | (0.025 - 0.14)/(29 - 4) | -0.0046 |
| ND<0.03 U (6/16/2020) | 0.14 (12/10/2013) | (0.03 - 0.14)/(30 - 4) | -0.00423077 |
| ND<0.03 U (9/21/2020) | 0.14 (12/10/2013) | (0.03 - 0.14)/(31 - 4) | -0.00407407 |
| ND<0.03 U (12/17/2020) | 0.14 (12/10/2013) | (0.03 - 0.14)/(32 - 4) | -0.00392857 |
| ND<0.03 U (3/18/2021) | 0.14 (12/10/2013) | (0.03 - 0.14)/(33 - 4) | -0.0037931 |
| ND<0.03 U (5/5/2021) | 0.14 (12/10/2013) | (0.03 - 0.14)/(34 - 4) | -0.00366667 |
| ND<0.03 U (9/2/2021) | 0.14 (12/10/2013) | (0.03 - 0.14)/(35 - 4) | -0.00354839 |
| ND<0.03 U (11/23/2021) | 0.14 (12/10/2013) | (0.03 - 0.14)/(36 - 4) | -0.0034375 |
| ND<0.03 U (1/11/2022) | 0.14 (12/10/2013) | (0.03 - 0.14)/(37 - 4) | -0.00333333 |
| ND<0.03 U (4/7/2022) | 0.14 (12/10/2013) | (0.03 - 0.14)/(38 - 4) | -0.00323529 |
| ND<0.03 U (8/2/2022) | 0.14 (12/10/2013) | (0.03 - 0.14)/(39 - 4) | -0.00314286 |
| ND<0.03 U (11/16/2022) | 0.14 (12/10/2013) | (0.03 - 0.14)/(40 - 4) | -0.00305556 |
| ND<0.03 U (2/14/2023) | 0.14 (12/10/2013) | (0.03 - 0.14)/(41 - 4) | -0.00297297 |
| ND<0.014 U (5/25/2023) | 0.14 (12/10/2013) | (0.014 - 0.14)/(42 - 4) | -0.00331579 |
| ND<0.03 U (8/7/2023) | 0.14 (12/10/2013) | (0.03 - 0.14)/(43 - 4) | -0.00282051 |
| ND<0.014 U (12/12/2023) | 0.14 (12/10/2013) | (0.014 - 0.14)/(44 - 4) | -0.00315 |
| 0.025 (1/10/2024) | 0.14 (12/10/2013) | (0.025 - 0.14)/(45 - 4) | -0.00280488 |
| ND<0.03 U (5/21/2024) | 0.14 (12/10/2013) | (0.03 - 0.14)/(46 - 4) | -0.00261905 |
| ND<0.014 U (9/16/2024) | 0.14 (12/10/2013) | (0.014 - 0.14)/(47 - 4) | -0.00293023 |
| ND<0.0196 U (12/11/2024) | 0.14 (12/10/2013) | (0.0196 - 0.14)/(48 - 4) | -0.00273636 |
| 0.048 (2/18/2025) | 0.14 (12/10/2013) | (0.048 - 0.14)/(49 - 4) | -0.00204444 |
| | | | |
| ND<0.025 U (6/26/2014) | 0.03 (2/6/2014) | (0.025 - 0.03)/(6 - 5) | -0.005 |
| ND<0.025 U (9/30/2014) | 0.03 (2/6/2014) | (0.025 - 0.03)/(7 - 5) | -0.0025 |
| 0.098 (11/19/2014) | 0.03 (2/6/2014) | (0.098 - 0.03)/(8 - 5) | 0.0226667 |
| ND<0.025 U (3/23/2015) | 0.03 (2/6/2014) | (0.025 - 0.03)/(9 - 5) | -0.00125 |
| ND<0.025 U (4/22/2015) | 0.03 (2/6/2014) | (0.025 - 0.03)/(10 - 5) | -0.001 |
| ND<0.025 U (9/30/2015) | 0.03 (2/6/2014) | (0.025 - 0.03)/(11 - 5) | -0.000833333 |
| 0.045 (11/19/2015) | 0.03 (2/6/2014) | (0.045 - 0.03)/(12 - 5) | 0.00214286 |
| 0.087 (3/15/2016) | 0.03 (2/6/2014) | (0.087 - 0.03)/(13 - 5) | 0.007125 |
| ND<0.025 U (6/29/2016) | 0.03 (2/6/2014) | (0.025 - 0.03)/(14 - 5) | -0.000555556 |
| ND<0.025 U (8/9/2016) | 0.03 (2/6/2014) | (0.025 - 0.03)/(15 - 5) | -0.0005 |
| ND<0.025 U (12/7/2016) | 0.03 (2/6/2014) | (0.025 - 0.03)/(16 - 5) | -0.000454545 |
| ND<0.025 U (3/2/2017) | 0.03 (2/6/2014) | (0.025 - 0.03)/(17 - 5) | -0.000416667 |
| ND<0.025 U (7/5/2017) | 0.03 (2/6/2014) | (0.025 - 0.03)/(18 - 5) | -0.000384615 |
| ND<0.025 U (8/16/2017) | 0.03 (2/6/2014) | (0.025 - 0.03)/(19 - 5) | -0.000357143 |
| ND<0.025 U (10/25/2017) | 0.03 (2/6/2014) | (0.025 - 0.03)/(20 - 5) | -0.000333333 |
| ND<0.025 U (3/28/2018) | 0.03 (2/6/2014) | (0.025 - 0.03)/(21 - 5) | -0.0003125 |
| ND<0.025 U (6/29/2018) | 0.03 (2/6/2014) | (0.025 - 0.03)/(22 - 5) | -0.000294118 |
| ND<0.025 U (8/2/2018) | 0.03 (2/6/2014) | (0.025 - 0.03)/(23 - 5) | -0.000277778 |
| ND<0.025 U (12/10/2018) | 0.03 (2/6/2014) | (0.025 - 0.03)/(24 - 5) | -0.000263158 |
| ND<0.025 U (4/15/2019) | 0.03 (2/6/2014) | (0.025 - 0.03)/(25 - 5) | -0.00025 |
| ND<0.025 U (6/12/2019) | 0.03 (2/6/2014) | (0.025 - 0.03)/(26 - 5) | -0.000238095 |
| ND<0.025 U (8/27/2019) | 0.03 (2/6/2014) | (0.025 - 0.03)/(27 - 5) | -0.000227273 |
| ND<0.025 U (10/29/2019) | 0.03 (2/6/2014) | (0.025 - 0.03)/(28 - 5) | -0.000217391 |
| ND<0.025 U (3/30/2020) | 0.03 (2/6/2014) | (0.025 - 0.03)/(29 - 5) | -0.000208333 |
| ND<0.03 U (6/16/2020) | 0.03 (2/6/2014) | (0.03 - 0.03)/(30 - 5) | 0 |
| ND<0.03 U (9/21/2020) | 0.03 (2/6/2014) | (0.03 - 0.03)/(31 - 5) | 0 |
| ND<0.03 U (12/17/2020) | 0.03 (2/6/2014) | (0.03 - 0.03)/(32 - 5) | 0 |
| ND<0.03 U (3/18/2021) | 0.03 (2/6/2014) | (0.03 - 0.03)/(33 - 5) | 0 |
| ND<0.03 U (5/5/2021) | 0.03 (2/6/2014) | (0.03 - 0.03)/(34 - 5) | 0 |

| | | | |
|---|---|---|---|
| ND<0.03 U (9/2/2021) | 0.03 (2/6/2014) | (0.03 - 0.03)/(35 - 5) | 0 |
| ND<0.03 U (11/23/2021) | 0.03 (2/6/2014) | (0.03 - 0.03)/(36 - 5) | 0 |
| ND<0.03 U (1/11/2022) | 0.03 (2/6/2014) | (0.03 - 0.03)/(37 - 5) | 0 |
| ND<0.03 U (4/7/2022) | 0.03 (2/6/2014) | (0.03 - 0.03)/(38 - 5) | 0 |
| ND<0.03 U (8/2/2022) | 0.03 (2/6/2014) | (0.03 - 0.03)/(39 - 5) | 0 |
| ND<0.03 U (11/16/2022) | 0.03 (2/6/2014) | (0.03 - 0.03)/(40 - 5) | 0 |
| ND<0.03 U (2/14/2023) | 0.03 (2/6/2014) | (0.03 - 0.03)/(41 - 5) | 0 |
| ND<0.014 U (5/25/2023) | 0.03 (2/6/2014) | (0.014 - 0.03)/(42 - 5) | -0.000432432 |
| ND<0.03 U (8/7/2023) | 0.03 (2/6/2014) | (0.03 - 0.03)/(43 - 5) | 0 |
| ND<0.014 U (12/12/2023) | 0.03 (2/6/2014) | (0.014 - 0.03)/(44 - 5) | -0.000410256 |
| 0.025 (1/10/2024) | 0.03 (2/6/2014) | (0.025 - 0.03)/(45 - 5) | -0.000125 |
| ND<0.03 U (5/21/2024) | 0.03 (2/6/2014) | (0.03 - 0.03)/(46 - 5) | 0 |
| ND<0.014 U (9/16/2024) | 0.03 (2/6/2014) | (0.014 - 0.03)/(47 - 5) | -0.000380952 |
| ND<0.0196 U (12/11/2024) | 0.03 (2/6/2014) | (0.0196 - 0.03)/(48 - 5) | -0.00024186 |
| 0.048 (2/18/2025) | 0.03 (2/6/2014) | (0.048 - 0.03)/(49 - 5) | 0.000409091 |
| | | | |
| ND<0.025 U (9/30/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(7 - 6) | 0 |
| 0.098 (11/19/2014) | ND<0.025 U (6/26/2014) | (0.098 - 0.025)/(8 - 6) | 0.0365 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(9 - 6) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(10 - 6) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(11 - 6) | 0 |
| 0.045 (11/19/2015) | ND<0.025 U (6/26/2014) | (0.045 - 0.025)/(12 - 6) | 0.00333333 |
| 0.087 (3/15/2016) | ND<0.025 U (6/26/2014) | (0.087 - 0.025)/(13 - 6) | 0.00885714 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(14 - 6) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(15 - 6) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(16 - 6) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(17 - 6) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(18 - 6) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(19 - 6) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(20 - 6) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(21 - 6) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(22 - 6) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(23 - 6) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(24 - 6) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(25 - 6) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(28 - 6) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(29 - 6) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(30 - 6) | 0.000208333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(32 - 6) | 0.000192308 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(34 - 6) | 0.000178571 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(35 - 6) | 0.000172414 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(36 - 6) | 0.000166667 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(37 - 6) | 0.00016129 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(38 - 6) | 0.00015625 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(41 - 6) | 0.000142857 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(42 - 6) | -0.000305556 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(43 - 6) | 0.000135135 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(44 - 6) | -0.000289474 |
| 0.025 (1/10/2024) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(45 - 6) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(46 - 6) | 0.000125 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(47 - 6) | -0.000268293 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/26/2014) | (0.0196 - 0.025)/(48 - 6) | -0.000128571 |
| 0.048 (2/18/2025) | ND<0.025 U (6/26/2014) | (0.048 - 0.025)/(49 - 6) | 0.000534884 |
| | | | |
| 0.098 (11/19/2014) | ND<0.025 U (9/30/2014) | (0.098 - 0.025)/(8 - 7) | 0.073 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(9 - 7) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| 0.045 (11/19/2015) | ND<0.025 U (9/30/2014) | (0.045 - 0.025)/(12 - 7) | 0.004 |
| 0.087 (3/15/2016) | ND<0.025 U (9/30/2014) | (0.087 - 0.025)/(13 - 7) | 0.0103333 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(14 - 7) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(18 - 7) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(19 - 7) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(20 - 7) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(23 - 7) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 7) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(28 - 7) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(29 - 7) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 7) | 0.0002 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 7) | 0.000185185 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 7) | 0.000166667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(38 - 7) | 0.00016129 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 7) | 0.000151515 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(41 - 7) | 0.000147059 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(42 - 7) | -0.000314286 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(43 - 7) | 0.000138889 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(44 - 7) | -0.000297297 |
| 0.025 (1/10/2024) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(45 - 7) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(46 - 7) | 0.000128205 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(47 - 7) | -0.000275 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/30/2014) | (0.0196 - 0.025)/(48 - 7) | -0.000131707 |
| 0.048 (2/18/2025) | ND<0.025 U (9/30/2014) | (0.048 - 0.025)/(49 - 7) | 0.000547619 |
| | | | |
| ND<0.025 U (3/23/2015) | 0.098 (11/19/2014) | (0.025 - 0.098)/(9 - 8) | -0.073 |
| ND<0.025 U (4/22/2015) | 0.098 (11/19/2014) | (0.025 - 0.098)/(10 - 8) | -0.0365 |
| ND<0.025 U (9/30/2015) | 0.098 (11/19/2014) | (0.025 - 0.098)/(11 - 8) | -0.0243333 |
| 0.045 (11/19/2015) | 0.098 (11/19/2014) | (0.045 - 0.098)/(12 - 8) | -0.01325 |
| 0.087 (3/15/2016) | 0.098 (11/19/2014) | (0.087 - 0.098)/(13 - 8) | -0.0022 |
| ND<0.025 U (6/29/2016) | 0.098 (11/19/2014) | (0.025 - 0.098)/(14 - 8) | -0.0121667 |
| ND<0.025 U (8/9/2016) | 0.098 (11/19/2014) | (0.025 - 0.098)/(15 - 8) | -0.0104286 |
| ND<0.025 U (12/7/2016) | 0.098 (11/19/2014) | (0.025 - 0.098)/(16 - 8) | -0.009125 |
| ND<0.025 U (3/2/2017) | 0.098 (11/19/2014) | (0.025 - 0.098)/(17 - 8) | -0.00811111 |
| ND<0.025 U (7/5/2017) | 0.098 (11/19/2014) | (0.025 - 0.098)/(18 - 8) | -0.0073 |
| ND<0.025 U (8/16/2017) | 0.098 (11/19/2014) | (0.025 - 0.098)/(19 - 8) | -0.00663636 |

| | | | |
|---|---|---|---|
| ND<0.025 U (10/25/2017) | 0.098 (11/19/2014) | (0.025 - 0.098)/(20 - 8) | -0.00608333 |
| ND<0.025 U (3/28/2018) | 0.098 (11/19/2014) | (0.025 - 0.098)/(21 - 8) | -0.00561538 |
| ND<0.025 U (6/29/2018) | 0.098 (11/19/2014) | (0.025 - 0.098)/(22 - 8) | -0.00521429 |
| ND<0.025 U (8/2/2018) | 0.098 (11/19/2014) | (0.025 - 0.098)/(23 - 8) | -0.00486667 |
| ND<0.025 U (12/10/2018) | 0.098 (11/19/2014) | (0.025 - 0.098)/(24 - 8) | -0.0045625 |
| ND<0.025 U (4/15/2019) | 0.098 (11/19/2014) | (0.025 - 0.098)/(25 - 8) | -0.00429412 |
| ND<0.025 U (6/12/2019) | 0.098 (11/19/2014) | (0.025 - 0.098)/(26 - 8) | -0.00405556 |
| ND<0.025 U (8/27/2019) | 0.098 (11/19/2014) | (0.025 - 0.098)/(27 - 8) | -0.00384211 |
| ND<0.025 U (10/29/2019) | 0.098 (11/19/2014) | (0.025 - 0.098)/(28 - 8) | -0.00365 |
| ND<0.025 U (3/30/2020) | 0.098 (11/19/2014) | (0.025 - 0.098)/(29 - 8) | -0.00347619 |
| ND<0.03 U (6/16/2020) | 0.098 (11/19/2014) | (0.03 - 0.098)/(30 - 8) | -0.00309091 |
| ND<0.03 U (9/21/2020) | 0.098 (11/19/2014) | (0.03 - 0.098)/(31 - 8) | -0.00295652 |
| ND<0.03 U (12/17/2020) | 0.098 (11/19/2014) | (0.03 - 0.098)/(32 - 8) | -0.00283333 |
| ND<0.03 U (3/18/2021) | 0.098 (11/19/2014) | (0.03 - 0.098)/(33 - 8) | -0.00272 |
| ND<0.03 U (5/5/2021) | 0.098 (11/19/2014) | (0.03 - 0.098)/(34 - 8) | -0.00261538 |
| ND<0.03 U (9/2/2021) | 0.098 (11/19/2014) | (0.03 - 0.098)/(35 - 8) | -0.00251852 |
| ND<0.03 U (11/23/2021) | 0.098 (11/19/2014) | (0.03 - 0.098)/(36 - 8) | -0.00242857 |
| ND<0.03 U (1/11/2022) | 0.098 (11/19/2014) | (0.03 - 0.098)/(37 - 8) | -0.00234483 |
| ND<0.03 U (4/7/2022) | 0.098 (11/19/2014) | (0.03 - 0.098)/(38 - 8) | -0.00226667 |
| ND<0.03 U (8/2/2022) | 0.098 (11/19/2014) | (0.03 - 0.098)/(39 - 8) | -0.00219355 |
| ND<0.03 U (11/16/2022) | 0.098 (11/19/2014) | (0.03 - 0.098)/(40 - 8) | -0.002125 |
| ND<0.03 U (2/14/2023) | 0.098 (11/19/2014) | (0.03 - 0.098)/(41 - 8) | -0.00206061 |
| ND<0.014 U (5/25/2023) | 0.098 (11/19/2014) | (0.014 - 0.098)/(42 - 8) | -0.00247059 |
| ND<0.03 U (8/7/2023) | 0.098 (11/19/2014) | (0.03 - 0.098)/(43 - 8) | -0.00194286 |
| ND<0.014 U (12/12/2023) | 0.098 (11/19/2014) | (0.014 - 0.098)/(44 - 8) | -0.00233333 |
| 0.025 (1/10/2024) | 0.098 (11/19/2014) | (0.025 - 0.098)/(45 - 8) | -0.00197297 |
| ND<0.03 U (5/21/2024) | 0.098 (11/19/2014) | (0.03 - 0.098)/(46 - 8) | -0.00178947 |
| ND<0.014 U (9/16/2024) | 0.098 (11/19/2014) | (0.014 - 0.098)/(47 - 8) | -0.00215385 |
| ND<0.0196 U (12/11/2024) | 0.098 (11/19/2014) | (0.0196 - 0.098)/(48 - 8) | -0.00196 |
| 0.048 (2/18/2025) | 0.098 (11/19/2014) | (0.048 - 0.098)/(49 - 8) | -0.00121951 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(10 - 9) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(11 - 9) | 0 |
| 0.045 (11/19/2015) | ND<0.025 U (3/23/2015) | (0.045 - 0.025)/(12 - 9) | 0.00666667 |
| 0.087 (3/15/2016) | ND<0.025 U (3/23/2015) | (0.087 - 0.025)/(13 - 9) | 0.0155 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(14 - 9) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(15 - 9) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(16 - 9) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(17 - 9) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(18 - 9) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(19 - 9) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(20 - 9) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(21 - 9) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(22 - 9) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(23 - 9) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(24 - 9) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(25 - 9) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(26 - 9) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(27 - 9) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(28 - 9) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(29 - 9) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(30 - 9) | 0.000238095 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(31 - 9) | 0.000227273 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(32 - 9) | 0.000217391 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(33 - 9) | 0.000208333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(34 - 9) | 0.0002 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(35 - 9) | 0.000192308 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(36 - 9) | 0.000185185 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(37 - 9) | 0.000178571 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(38 - 9) | 0.000172414 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(39 - 9) | 0.000166667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(40 - 9) | 0.00016129 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(41 - 9) | 0.00015625 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(42 - 9) | -0.000333333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(43 - 9) | 0.000147059 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(44 - 9) | -0.000314286 |
| 0.025 (1/10/2024) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(45 - 9) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(46 - 9) | 0.000135135 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(47 - 9) | -0.000289474 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/23/2015) | (0.0196 - 0.025)/(48 - 9) | -0.000138462 |
| 0.048 (2/18/2025) | ND<0.025 U (3/23/2015) | (0.048 - 0.025)/(49 - 9) | 0.000575 |
| | | | |
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| 0.045 (11/19/2015) | ND<0.025 U (4/22/2015) | (0.045 - 0.025)/(12 - 10) | 0.01 |
| 0.087 (3/15/2016) | ND<0.025 U (4/22/2015) | (0.087 - 0.025)/(13 - 10) | 0.0206667 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(14 - 10) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(18 - 10) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(19 - 10) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(20 - 10) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(23 - 10) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(28 - 10) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(29 - 10) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(38 - 10) | 0.000178571 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(41 - 10) | 0.00016129 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(42 - 10) | -0.00034375 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(43 - 10) | 0.000151515 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(44 - 10) | -0.000323529 |
| 0.025 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(45 - 10) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(46 - 10) | 0.000138889 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(47 - 10) | -0.000297297 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (4/22/2015) | (0.0196 - 0.025)/(48 - 10) | -0.000142105 |
| 0.048 (2/18/2025) | ND<0.025 U (4/22/2015) | (0.048 - 0.025)/(49 - 10) | 0.000589744 |
| | | | |
| 0.045 (11/19/2015) | ND<0.025 U (9/30/2015) | (0.045 - 0.025)/(12 - 11) | 0.02 |
| 0.087 (3/15/2016) | ND<0.025 U (9/30/2015) | (0.087 - 0.025)/(13 - 11) | 0.031 |

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|---|---|---|---|
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(14 - 11) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(18 - 11) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(19 - 11) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(20 - 11) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(23 - 11) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(28 - 11) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(29 - 11) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(38 - 11) | 0.000185185 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(41 - 11) | 0.000166667 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(42 - 11) | -0.000354839 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(43 - 11) | 0.00015625 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(44 - 11) | -0.000333333 |
| 0.025 (1/10/2024) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(45 - 11) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(46 - 11) | 0.000142857 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(47 - 11) | -0.000305556 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/30/2015) | (0.0196 - 0.025)/(48 - 11) | -0.000145946 |
| 0.048 (2/18/2025) | ND<0.025 U (9/30/2015) | (0.048 - 0.025)/(49 - 11) | 0.000605263 |
| | | | |
| 0.087 (3/15/2016) | 0.045 (11/19/2015) | (0.087 - 0.045)/(13 - 12) | 0.042 |
| ND<0.025 U (6/29/2016) | 0.045 (11/19/2015) | (0.025 - 0.045)/(14 - 12) | -0.01 |
| ND<0.025 U (8/9/2016) | 0.045 (11/19/2015) | (0.025 - 0.045)/(15 - 12) | -0.00666667 |
| ND<0.025 U (12/7/2016) | 0.045 (11/19/2015) | (0.025 - 0.045)/(16 - 12) | -0.005 |
| ND<0.025 U (3/2/2017) | 0.045 (11/19/2015) | (0.025 - 0.045)/(17 - 12) | -0.004 |
| ND<0.025 U (7/5/2017) | 0.045 (11/19/2015) | (0.025 - 0.045)/(18 - 12) | -0.00333333 |
| ND<0.025 U (8/16/2017) | 0.045 (11/19/2015) | (0.025 - 0.045)/(19 - 12) | -0.00285714 |
| ND<0.025 U (10/25/2017) | 0.045 (11/19/2015) | (0.025 - 0.045)/(20 - 12) | -0.0025 |
| ND<0.025 U (3/28/2018) | 0.045 (11/19/2015) | (0.025 - 0.045)/(21 - 12) | -0.00222222 |
| ND<0.025 U (6/29/2018) | 0.045 (11/19/2015) | (0.025 - 0.045)/(22 - 12) | -0.002 |
| ND<0.025 U (8/2/2018) | 0.045 (11/19/2015) | (0.025 - 0.045)/(23 - 12) | -0.00181818 |
| ND<0.025 U (12/10/2018) | 0.045 (11/19/2015) | (0.025 - 0.045)/(24 - 12) | -0.00166667 |
| ND<0.025 U (4/15/2019) | 0.045 (11/19/2015) | (0.025 - 0.045)/(25 - 12) | -0.00153846 |
| ND<0.025 U (6/12/2019) | 0.045 (11/19/2015) | (0.025 - 0.045)/(26 - 12) | -0.00142857 |
| ND<0.025 U (8/27/2019) | 0.045 (11/19/2015) | (0.025 - 0.045)/(27 - 12) | -0.00133333 |
| ND<0.025 U (10/29/2019) | 0.045 (11/19/2015) | (0.025 - 0.045)/(28 - 12) | -0.00125 |
| ND<0.025 U (3/30/2020) | 0.045 (11/19/2015) | (0.025 - 0.045)/(29 - 12) | -0.00117647 |
| ND<0.03 U (6/16/2020) | 0.045 (11/19/2015) | (0.03 - 0.045)/(30 - 12) | -0.000833333 |
| ND<0.03 U (9/21/2020) | 0.045 (11/19/2015) | (0.03 - 0.045)/(31 - 12) | -0.000789474 |
| ND<0.03 U (12/17/2020) | 0.045 (11/19/2015) | (0.03 - 0.045)/(32 - 12) | -0.00075 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | 0.045 (11/19/2015) | (0.03 - 0.045)/(33 - 12) | -0.000714286 |
| ND<0.03 U (5/5/2021) | 0.045 (11/19/2015) | (0.03 - 0.045)/(34 - 12) | -0.000681818 |
| ND<0.03 U (9/2/2021) | 0.045 (11/19/2015) | (0.03 - 0.045)/(35 - 12) | -0.000652174 |
| ND<0.03 U (11/23/2021) | 0.045 (11/19/2015) | (0.03 - 0.045)/(36 - 12) | -0.000625 |
| ND<0.03 U (1/11/2022) | 0.045 (11/19/2015) | (0.03 - 0.045)/(37 - 12) | -0.0006 |
| ND<0.03 U (4/7/2022) | 0.045 (11/19/2015) | (0.03 - 0.045)/(38 - 12) | -0.000576923 |
| ND<0.03 U (8/2/2022) | 0.045 (11/19/2015) | (0.03 - 0.045)/(39 - 12) | -0.000555556 |
| ND<0.03 U (11/16/2022) | 0.045 (11/19/2015) | (0.03 - 0.045)/(40 - 12) | -0.000535714 |
| ND<0.03 U (2/14/2023) | 0.045 (11/19/2015) | (0.03 - 0.045)/(41 - 12) | -0.000517241 |
| ND<0.014 U (5/25/2023) | 0.045 (11/19/2015) | (0.014 - 0.045)/(42 - 12) | -0.00103333 |
| ND<0.03 U (8/7/2023) | 0.045 (11/19/2015) | (0.03 - 0.045)/(43 - 12) | -0.000483871 |
| ND<0.014 U (12/12/2023) | 0.045 (11/19/2015) | (0.014 - 0.045)/(44 - 12) | -0.00096875 |
| 0.025 (1/10/2024) | 0.045 (11/19/2015) | (0.025 - 0.045)/(45 - 12) | -0.000606061 |
| ND<0.03 U (5/21/2024) | 0.045 (11/19/2015) | (0.03 - 0.045)/(46 - 12) | -0.000441176 |
| ND<0.014 U (9/16/2024) | 0.045 (11/19/2015) | (0.014 - 0.045)/(47 - 12) | -0.000885714 |
| ND<0.0196 U (12/11/2024) | 0.045 (11/19/2015) | (0.0196 - 0.045)/(48 - 12) | -0.000705556 |
| 0.048 (2/18/2025) | 0.045 (11/19/2015) | (0.048 - 0.045)/(49 - 12) | 8.10811e-05 |
| | | | |
| ND<0.025 U (6/29/2016) | 0.087 (3/15/2016) | (0.025 - 0.087)/(14 - 13) | -0.062 |
| ND<0.025 U (8/9/2016) | 0.087 (3/15/2016) | (0.025 - 0.087)/(15 - 13) | -0.031 |
| ND<0.025 U (12/7/2016) | 0.087 (3/15/2016) | (0.025 - 0.087)/(16 - 13) | -0.0206667 |
| ND<0.025 U (3/2/2017) | 0.087 (3/15/2016) | (0.025 - 0.087)/(17 - 13) | -0.0155 |
| ND<0.025 U (7/5/2017) | 0.087 (3/15/2016) | (0.025 - 0.087)/(18 - 13) | -0.0124 |
| ND<0.025 U (8/16/2017) | 0.087 (3/15/2016) | (0.025 - 0.087)/(19 - 13) | -0.0103333 |
| ND<0.025 U (10/25/2017) | 0.087 (3/15/2016) | (0.025 - 0.087)/(20 - 13) | -0.00885714 |
| ND<0.025 U (3/28/2018) | 0.087 (3/15/2016) | (0.025 - 0.087)/(21 - 13) | -0.00775 |
| ND<0.025 U (6/29/2018) | 0.087 (3/15/2016) | (0.025 - 0.087)/(22 - 13) | -0.00688889 |
| ND<0.025 U (8/2/2018) | 0.087 (3/15/2016) | (0.025 - 0.087)/(23 - 13) | -0.0062 |
| ND<0.025 U (12/10/2018) | 0.087 (3/15/2016) | (0.025 - 0.087)/(24 - 13) | -0.00563636 |
| ND<0.025 U (4/15/2019) | 0.087 (3/15/2016) | (0.025 - 0.087)/(25 - 13) | -0.00516667 |
| ND<0.025 U (6/12/2019) | 0.087 (3/15/2016) | (0.025 - 0.087)/(26 - 13) | -0.00476923 |
| ND<0.025 U (8/27/2019) | 0.087 (3/15/2016) | (0.025 - 0.087)/(27 - 13) | -0.00442857 |
| ND<0.025 U (10/29/2019) | 0.087 (3/15/2016) | (0.025 - 0.087)/(28 - 13) | -0.00413333 |
| ND<0.025 U (3/30/2020) | 0.087 (3/15/2016) | (0.025 - 0.087)/(29 - 13) | -0.003875 |
| ND<0.03 U (6/16/2020) | 0.087 (3/15/2016) | (0.03 - 0.087)/(30 - 13) | -0.00335294 |
| ND<0.03 U (9/21/2020) | 0.087 (3/15/2016) | (0.03 - 0.087)/(31 - 13) | -0.00316667 |
| ND<0.03 U (12/17/2020) | 0.087 (3/15/2016) | (0.03 - 0.087)/(32 - 13) | -0.003 |
| ND<0.03 U (3/18/2021) | 0.087 (3/15/2016) | (0.03 - 0.087)/(33 - 13) | -0.00285 |
| ND<0.03 U (5/5/2021) | 0.087 (3/15/2016) | (0.03 - 0.087)/(34 - 13) | -0.00271429 |
| ND<0.03 U (9/2/2021) | 0.087 (3/15/2016) | (0.03 - 0.087)/(35 - 13) | -0.00259091 |
| ND<0.03 U (11/23/2021) | 0.087 (3/15/2016) | (0.03 - 0.087)/(36 - 13) | -0.00247826 |
| ND<0.03 U (1/11/2022) | 0.087 (3/15/2016) | (0.03 - 0.087)/(37 - 13) | -0.002375 |
| ND<0.03 U (4/7/2022) | 0.087 (3/15/2016) | (0.03 - 0.087)/(38 - 13) | -0.00228 |
| ND<0.03 U (8/2/2022) | 0.087 (3/15/2016) | (0.03 - 0.087)/(39 - 13) | -0.00219231 |
| ND<0.03 U (11/16/2022) | 0.087 (3/15/2016) | (0.03 - 0.087)/(40 - 13) | -0.00211111 |
| ND<0.03 U (2/14/2023) | 0.087 (3/15/2016) | (0.03 - 0.087)/(41 - 13) | -0.00203571 |
| ND<0.014 U (5/25/2023) | 0.087 (3/15/2016) | (0.014 - 0.087)/(42 - 13) | -0.00251724 |
| ND<0.03 U (8/7/2023) | 0.087 (3/15/2016) | (0.03 - 0.087)/(43 - 13) | -0.0019 |
| ND<0.014 U (12/12/2023) | 0.087 (3/15/2016) | (0.014 - 0.087)/(44 - 13) | -0.00235484 |
| 0.025 (1/10/2024) | 0.087 (3/15/2016) | (0.025 - 0.087)/(45 - 13) | -0.0019375 |
| ND<0.03 U (5/21/2024) | 0.087 (3/15/2016) | (0.03 - 0.087)/(46 - 13) | -0.00172727 |
| ND<0.014 U (9/16/2024) | 0.087 (3/15/2016) | (0.014 - 0.087)/(47 - 13) | -0.00214706 |
| ND<0.0196 U (12/11/2024) | 0.087 (3/15/2016) | (0.0196 - 0.087)/(48 - 13) | -0.00192571 |
| 0.048 (2/18/2025) | 0.087 (3/15/2016) | (0.048 - 0.087)/(49 - 13) | -0.00108333 |
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| ND<0.025 U (8/9/2016) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(15 - 14) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(16 - 14) | 0 |

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|---|---|---|---|
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(17 - 14) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(18 - 14) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(19 - 14) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(20 - 14) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(21 - 14) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(22 - 14) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(23 - 14) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(24 - 14) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(25 - 14) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(26 - 14) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(27 - 14) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(28 - 14) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(29 - 14) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(30 - 14) | 0.0003125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(31 - 14) | 0.000294118 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(32 - 14) | 0.000277778 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(33 - 14) | 0.000263158 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(34 - 14) | 0.00025 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(35 - 14) | 0.000238095 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(36 - 14) | 0.000227273 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(37 - 14) | 0.000217391 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(38 - 14) | 0.000208333 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(39 - 14) | 0.0002 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(40 - 14) | 0.000192308 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(41 - 14) | 0.000185185 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/29/2016) | (0.014 - 0.025)/(42 - 14) | -0.000392857 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(43 - 14) | 0.000172414 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/29/2016) | (0.014 - 0.025)/(44 - 14) | -0.000366667 |
| 0.025 (1/10/2024) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(45 - 14) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(46 - 14) | 0.00015625 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/29/2016) | (0.014 - 0.025)/(47 - 14) | -0.000333333 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/29/2016) | (0.0196 - 0.025)/(48 - 14) | -0.000158824 |
| 0.048 (2/18/2025) | ND<0.025 U (6/29/2016) | (0.048 - 0.025)/(49 - 14) | 0.000657143 |

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|---|---|---|---|
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(18 - 15) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(19 - 15) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(20 - 15) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(23 - 15) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(28 - 15) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(29 - 15) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(38 - 15) | 0.000217391 |

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| ND<0.03 U (8/2/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(41 - 15) | 0.000192308 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(42 - 15) | -0.000407407 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(43 - 15) | 0.000178571 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(44 - 15) | -0.00037931 |
| 0.025 (1/10/2024) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(45 - 15) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(46 - 15) | 0.00016129 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(47 - 15) | -0.00034375 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/9/2016) | (0.0196 - 0.025)/(48 - 15) | -0.000163636 |
| 0.048 (2/18/2025) | ND<0.025 U (8/9/2016) | (0.048 - 0.025)/(49 - 15) | 0.000676471 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(18 - 16) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(19 - 16) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(20 - 16) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(23 - 16) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(28 - 16) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(29 - 16) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(38 - 16) | 0.000227273 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(41 - 16) | 0.0002 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(42 - 16) | -0.000423077 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(43 - 16) | 0.000185185 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(44 - 16) | -0.000392857 |
| 0.025 (1/10/2024) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(45 - 16) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(46 - 16) | 0.000166667 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(47 - 16) | -0.000354839 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/7/2016) | (0.0196 - 0.025)/(48 - 16) | -0.00016875 |
| 0.048 (2/18/2025) | ND<0.025 U (12/7/2016) | (0.048 - 0.025)/(49 - 16) | 0.00069697 |
| | | | |
| ND<0.025 U (7/5/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(18 - 17) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(19 - 17) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(20 - 17) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(23 - 17) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(28 - 17) | 0 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(29 - 17) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(38 - 17) | 0.000238095 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(41 - 17) | 0.000208333 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(42 - 17) | -0.00044 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(43 - 17) | 0.000192308 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(44 - 17) | -0.000407407 |
| 0.025 (1/10/2024) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(45 - 17) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(46 - 17) | 0.000172414 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(47 - 17) | -0.000366667 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/2/2017) | (0.0196 - 0.025)/(48 - 17) | -0.000174194 |
| 0.048 (2/18/2025) | ND<0.025 U (3/2/2017) | (0.048 - 0.025)/(49 - 17) | 0.00071875 |
| | | | |
| ND<0.025 U (8/16/2017) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(19 - 18) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(20 - 18) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(21 - 18) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(22 - 18) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(23 - 18) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(24 - 18) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(25 - 18) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(26 - 18) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(27 - 18) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(28 - 18) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(29 - 18) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(31 - 18) | 0.000384615 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(32 - 18) | 0.000357143 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(33 - 18) | 0.000333333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(34 - 18) | 0.0003125 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(35 - 18) | 0.000294118 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(36 - 18) | 0.000277778 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(37 - 18) | 0.000263158 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(38 - 18) | 0.00025 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(39 - 18) | 0.000238095 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(40 - 18) | 0.000227273 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(41 - 18) | 0.000217391 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (7/5/2017) | (0.014 - 0.025)/(42 - 18) | -0.000458333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(43 - 18) | 0.0002 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (7/5/2017) | (0.014 - 0.025)/(44 - 18) | -0.000423077 |
| 0.025 (1/10/2024) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(45 - 18) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(46 - 18) | 0.000178571 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (7/5/2017) | (0.014 - 0.025)/(47 - 18) | -0.00037931 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (7/5/2017) | (0.0196 - 0.025)/(48 - 18) | -0.00018 |
| 0.048 (2/18/2025) | ND<0.025 U (7/5/2017) | (0.048 - 0.025)/(49 - 18) | 0.000741935 |
| | | | |
| ND<0.025 U (10/25/2017) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(20 - 19) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(21 - 19) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.025 U (8/2/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(23 - 19) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(25 - 19) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(26 - 19) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(28 - 19) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(29 - 19) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(32 - 19) | 0.000384615 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(34 - 19) | 0.000333333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(35 - 19) | 0.0003125 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(36 - 19) | 0.000294118 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(37 - 19) | 0.000277778 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(38 - 19) | 0.000263158 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(41 - 19) | 0.000227273 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(42 - 19) | -0.000478261 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(43 - 19) | 0.000208333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(44 - 19) | -0.00044 |
| 0.025 (1/10/2024) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(45 - 19) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(46 - 19) | 0.000185185 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(47 - 19) | -0.000392857 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/16/2017) | (0.0196 - 0.025)/(48 - 19) | -0.000186207 |
| 0.048 (2/18/2025) | ND<0.025 U (8/16/2017) | (0.048 - 0.025)/(49 - 19) | 0.000766667 |

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|---|---|---|---|
| ND<0.025 U (3/28/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(21 - 20) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(22 - 20) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(23 - 20) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(24 - 20) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(25 - 20) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(26 - 20) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(27 - 20) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(28 - 20) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(29 - 20) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(31 - 20) | 0.000454545 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(32 - 20) | 0.000416667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(33 - 20) | 0.000384615 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(34 - 20) | 0.000357143 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(35 - 20) | 0.000333333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(36 - 20) | 0.0003125 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(37 - 20) | 0.000294118 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(38 - 20) | 0.000277778 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(39 - 20) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(40 - 20) | 0.00025 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(41 - 20) | 0.000238095 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (10/25/2017) | (0.014 - 0.025)/(42 - 20) | -0.0005 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(43 - 20) | 0.000217391 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/25/2017) | (0.014 - 0.025)/(44 - 20) | -0.000458333 |
| 0.025 (1/10/2024) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(45 - 20) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(46 - 20) | 0.000192308 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/25/2017) | (0.014 - 0.025)/(47 - 20) | -0.000407407 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (10/25/2017) | (0.0196 - 0.025)/(48 - 20) | -0.000192857 |
| 0.048 (2/18/2025) | ND<0.025 U (10/25/2017) | (0.048 - 0.025)/(49 - 20) | 0.000793103 |

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|---|---|---|---|
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(23 - 21) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(28 - 21) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(29 - 21) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(38 - 21) | 0.000294118 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(41 - 21) | 0.00025 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(42 - 21) | -0.00052381 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(43 - 21) | 0.000227273 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(44 - 21) | -0.000478261 |
| 0.025 (1/10/2024) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(45 - 21) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(46 - 21) | 0.0002 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(47 - 21) | -0.000423077 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/28/2018) | (0.0196 - 0.025)/(48 - 21) | -0.0002 |
| 0.048 (2/18/2025) | ND<0.025 U (3/28/2018) | (0.048 - 0.025)/(49 - 21) | 0.000821429 |
| | | | |
| ND<0.025 U (8/2/2018) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(23 - 22) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(28 - 22) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(29 - 22) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(38 - 22) | 0.0003125 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(41 - 22) | 0.000263158 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(42 - 22) | -0.00055 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(43 - 22) | 0.000238095 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(44 - 22) | -0.0005 |
| 0.025 (1/10/2024) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(45 - 22) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(46 - 22) | 0.000208333 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(47 - 22) | -0.00044 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/29/2018) | (0.0196 - 0.025)/(48 - 22) | -0.000207692 |
| 0.048 (2/18/2025) | ND<0.025 U (6/29/2018) | (0.048 - 0.025)/(49 - 22) | 0.000851852 |

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|---|---|---|---|
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(24 - 23) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(25 - 23) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(26 - 23) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(27 - 23) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(28 - 23) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(29 - 23) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(30 - 23) | 0.000714286 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(31 - 23) | 0.000625 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(32 - 23) | 0.000555556 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(33 - 23) | 0.0005 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(34 - 23) | 0.000454545 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(35 - 23) | 0.000416667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(36 - 23) | 0.000384615 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(37 - 23) | 0.000357143 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(38 - 23) | 0.000333333 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(39 - 23) | 0.0003125 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(40 - 23) | 0.000294118 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(41 - 23) | 0.000277778 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(42 - 23) | -0.000578947 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(43 - 23) | 0.00025 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(44 - 23) | -0.00052381 |
| 0.025 (1/10/2024) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(45 - 23) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(46 - 23) | 0.000217391 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(47 - 23) | -0.000458333 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/2/2018) | (0.0196 - 0.025)/(48 - 23) | -0.000216 |
| 0.048 (2/18/2025) | ND<0.025 U (8/2/2018) | (0.048 - 0.025)/(49 - 23) | 0.000884615 |
| | | | |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(28 - 24) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(29 - 24) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(32 - 24) | 0.000625 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(37 - 24) | 0.000384615 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(38 - 24) | 0.000357143 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(41 - 24) | 0.000294118 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(42 - 24) | -0.000611111 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(43 - 24) | 0.000263158 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(44 - 24) | -0.00055 |
| 0.025 (1/10/2024) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(45 - 24) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(46 - 24) | 0.000227273 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(47 - 24) | -0.000478261 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/10/2018) | (0.0196 - 0.025)/(48 - 24) | -0.000225 |
| 0.048 (2/18/2025) | ND<0.025 U (12/10/2018) | (0.048 - 0.025)/(49 - 24) | 0.00092 |
| | | | |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(28 - 25) | 0 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(29 - 25) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(38 - 25) | 0.000384615 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(41 - 25) | 0.0003125 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(42 - 25) | -0.000647059 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(43 - 25) | 0.000277778 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(44 - 25) | -0.000578947 |
| 0.025  (1/10/2024) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(45 - 25) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(46 - 25) | 0.000238095 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(47 - 25) | -0.0005 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (4/15/2019) | (0.0196 - 0.025)/(48 - 25) | -0.000234783 |
| 0.048  (2/18/2025) | ND<0.025 U (4/15/2019) | (0.048 - 0.025)/(49 - 25) | 0.000958333 |
| | | | |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(28 - 26) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(29 - 26) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(32 - 26) | 0.000833333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(35 - 26) | 0.000555556 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(37 - 26) | 0.000454545 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(38 - 26) | 0.000416667 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(41 - 26) | 0.000333333 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(42 - 26) | -0.0006875 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(43 - 26) | 0.000294118 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(44 - 26) | -0.000611111 |
| 0.025  (1/10/2024) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(45 - 26) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(46 - 26) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(47 - 26) | -0.00052381 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/12/2019) | (0.0196 - 0.025)/(48 - 26) | -0.000245455 |
| 0.048  (2/18/2025) | ND<0.025 U (6/12/2019) | (0.048 - 0.025)/(49 - 26) | 0.001 |
| | | | |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(28 - 27) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(29 - 27) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(38 - 27) | 0.000454545 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(42 - 27) | -0.000733333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(43 - 27) | 0.0003125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(44 - 27) | -0.000647059 |
| 0.025 (1/10/2024) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(45 - 27) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(46 - 27) | 0.000263158 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(47 - 27) | -0.00055 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/27/2019) | (0.0196 - 0.025)/(48 - 27) | -0.000257143 |
| 0.048 (2/18/2025) | ND<0.025 U (8/27/2019) | (0.048 - 0.025)/(49 - 27) | 0.00104545 |
| | | | |
| ND<0.025 U (3/30/2020) | ND<0.025 U (10/29/2019) | (0.025 - 0.025)/(29 - 28) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(30 - 28) | 0.0025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(31 - 28) | 0.00166667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(32 - 28) | 0.00125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(33 - 28) | 0.001 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(34 - 28) | 0.000833333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(35 - 28) | 0.000714286 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(36 - 28) | 0.000625 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(37 - 28) | 0.000555556 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(38 - 28) | 0.0005 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(39 - 28) | 0.000454545 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(40 - 28) | 0.000416667 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(41 - 28) | 0.000384615 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(42 - 28) | -0.000785714 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(43 - 28) | 0.000333333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(44 - 28) | -0.0006875 |
| 0.025 (1/10/2024) | ND<0.025 U (10/29/2019) | (0.025 - 0.025)/(45 - 28) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(46 - 28) | 0.000277778 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(47 - 28) | -0.000578947 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (10/29/2019) | (0.0196 - 0.025)/(48 - 28) | -0.00027 |
| 0.048 (2/18/2025) | ND<0.025 U (10/29/2019) | (0.048 - 0.025)/(49 - 28) | 0.00109524 |
| | | | |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(30 - 29) | 0.005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(31 - 29) | 0.0025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(32 - 29) | 0.00166667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(33 - 29) | 0.00125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(34 - 29) | 0.001 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(35 - 29) | 0.000833333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(36 - 29) | 0.000714286 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(37 - 29) | 0.000625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(38 - 29) | 0.000555556 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(39 - 29) | 0.0005 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(40 - 29) | 0.000454545 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(41 - 29) | 0.000416667 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(42 - 29) | -0.000846154 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(43 - 29) | 0.000357143 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(44 - 29) | -0.000733333 |
| 0.025 (1/10/2024) | ND<0.025 U (3/30/2020) | (0.025 - 0.025)/(45 - 29) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(46 - 29) | 0.000294118 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(47 - 29) | -0.000611111 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/30/2020) | (0.0196 - 0.025)/(48 - 29) | -0.000284211 |
| 0.048 (2/18/2025) | ND<0.025 U (3/30/2020) | (0.048 - 0.025)/(49 - 29) | 0.00115 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(32 - 30) | 0 |

| | | | |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(38 - 30) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(42 - 30) | -0.00133333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(43 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| 0.025 (1/10/2024) | ND<0.03 U (6/16/2020) | (0.025 - 0.03)/(45 - 30) | -0.000333333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(46 - 30) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(47 - 30) | -0.000941176 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (6/16/2020) | (0.0196 - 0.03)/(48 - 30) | -0.000577778 |
| 0.048 (2/18/2025) | ND<0.03 U (6/16/2020) | (0.048 - 0.03)/(49 - 30) | 0.000947368 |

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|---|---|---|---|
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(38 - 31) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(42 - 31) | -0.00145455 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(43 - 31) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(44 - 31) | -0.00123077 |
| 0.025 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.025 - 0.03)/(45 - 31) | -0.000357143 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(46 - 31) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(47 - 31) | -0.001 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/21/2020) | (0.0196 - 0.03)/(48 - 31) | -0.000611765 |
| 0.048 (2/18/2025) | ND<0.03 U (9/21/2020) | (0.048 - 0.03)/(49 - 31) | 0.001 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(34 - 32) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(35 - 32) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(37 - 32) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(38 - 32) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(41 - 32) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(42 - 32) | -0.0016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(43 - 32) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(44 - 32) | -0.00133333 |
| 0.025 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.025 - 0.03)/(45 - 32) | -0.000384615 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(46 - 32) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(47 - 32) | -0.00106667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(48 - 32) | -0.00065 |
| 0.048 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.048 - 0.03)/(49 - 32) | 0.00105882 |

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|---|---|---|---|
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(35 - 33) | 0 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(37 - 33) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(38 - 33) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(42 - 33) | -0.00177778 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(43 - 33) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(44 - 33) | -0.00145455 |
| 0.025 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.025 - 0.03)/(45 - 33) | -0.000416667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(46 - 33) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(47 - 33) | -0.00114286 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(48 - 33) | -0.000693333 |
| 0.048 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.048 - 0.03)/(49 - 33) | 0.001125 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(35 - 34) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(36 - 34) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(37 - 34) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(38 - 34) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(41 - 34) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(42 - 34) | -0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(43 - 34) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(44 - 34) | -0.0016 |
| 0.025 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.025 - 0.03)/(45 - 34) | -0.000454545 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(46 - 34) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(47 - 34) | -0.00123077 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(48 - 34) | -0.000742857 |
| 0.048 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.048 - 0.03)/(49 - 34) | 0.0012 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(36 - 35) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(37 - 35) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(38 - 35) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(40 - 35) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(41 - 35) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(42 - 35) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(43 - 35) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(44 - 35) | -0.00177778 |
| 0.025 (1/10/2024) | ND<0.03 U (9/2/2021) | (0.025 - 0.03)/(45 - 35) | -0.0005 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(46 - 35) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(47 - 35) | -0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/2/2021) | (0.0196 - 0.03)/(48 - 35) | -0.0008 |
| 0.048 (2/18/2025) | ND<0.03 U (9/2/2021) | (0.048 - 0.03)/(49 - 35) | 0.00128571 |
| | | | |
| ND<0.03 U (1/11/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(37 - 36) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(38 - 36) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(41 - 36) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(42 - 36) | -0.00266667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(43 - 36) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(44 - 36) | -0.002 |
| 0.025 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.025 - 0.03)/(45 - 36) | -0.000555556 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(46 - 36) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(47 - 36) | -0.00145455 |

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|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(48 - 36) | -0.000866667 |
| 0.048 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.048 - 0.03)/(49 - 36) | 0.00138462 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(38 - 37) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(40 - 37) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(41 - 37) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(42 - 37) | -0.0032 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(43 - 37) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(44 - 37) | -0.00228571 |
| 0.025 (1/10/2024) | ND<0.03 U (1/11/2022) | (0.025 - 0.03)/(45 - 37) | -0.000625 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(46 - 37) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(47 - 37) | -0.0016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (1/11/2022) | (0.0196 - 0.03)/(48 - 37) | -0.000945455 |
| 0.048 (2/18/2025) | ND<0.03 U (1/11/2022) | (0.048 - 0.03)/(49 - 37) | 0.0015 |
| | | | |
| ND<0.03 U (8/2/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 38) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(40 - 38) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(41 - 38) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(42 - 38) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(43 - 38) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(44 - 38) | -0.00266667 |
| 0.025 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.025 - 0.03)/(45 - 38) | -0.000714286 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(46 - 38) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(47 - 38) | -0.00177778 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(48 - 38) | -0.00104 |
| 0.048 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.048 - 0.03)/(49 - 38) | 0.00163636 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(42 - 39) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(43 - 39) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(44 - 39) | -0.0032 |
| 0.025 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.025 - 0.03)/(45 - 39) | -0.000833333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(46 - 39) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(47 - 39) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/2/2022) | (0.0196 - 0.03)/(48 - 39) | -0.00115556 |
| 0.048 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.048 - 0.03)/(49 - 39) | 0.0018 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(42 - 40) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(43 - 40) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(44 - 40) | -0.004 |
| 0.025 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.025 - 0.03)/(45 - 40) | -0.001 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(46 - 40) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(47 - 40) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(48 - 40) | -0.0013 |
| 0.048 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.048 - 0.03)/(49 - 40) | 0.002 |
| | | | |
| ND<0.014 U (5/25/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(42 - 41) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(43 - 41) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(44 - 41) | -0.00533333 |
| 0.025 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.025 - 0.03)/(45 - 41) | -0.00125 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(46 - 41) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(47 - 41) | -0.00266667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/14/2023) | (0.0196 - 0.03)/(48 - 41) | -0.00148571 |
| 0.048 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.048 - 0.03)/(49 - 41) | 0.00225 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(43 - 42) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(44 - 42) | 0 |
| 0.025 (1/10/2024) | ND<0.014 U (5/25/2023) | (0.025 - 0.014)/(45 - 42) | 0.00366667 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(46 - 42) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(47 - 42) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/25/2023) | (0.0196 - 0.014)/(48 - 42) | 0.000933333 |
| 0.048 (2/18/2025) | ND<0.014 U (5/25/2023) | (0.048 - 0.014)/(49 - 42) | 0.00485714 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(44 - 43) | -0.016 |
| 0.025 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.025 - 0.03)/(45 - 43) | -0.0025 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(46 - 43) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(47 - 43) | -0.004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(48 - 43) | -0.00208 |
| 0.048 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.048 - 0.03)/(49 - 43) | 0.003 |
| | | | |
| 0.025 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.025 - 0.014)/(45 - 44) | 0.011 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(46 - 44) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(47 - 44) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(48 - 44) | 0.0014 |
| 0.048 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.048 - 0.014)/(49 - 44) | 0.0068 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.025 (1/10/2024) | (0.03 - 0.025)/(46 - 45) | 0.005 |
| ND<0.014 U (9/16/2024) | 0.025 (1/10/2024) | (0.014 - 0.025)/(47 - 45) | -0.0055 |
| ND<0.0196 U (12/11/2024) | 0.025 (1/10/2024) | (0.0196 - 0.025)/(48 - 45) | -0.0018 |
| 0.048 (2/18/2025) | 0.025 (1/10/2024) | (0.048 - 0.025)/(49 - 45) | 0.00575 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(47 - 46) | -0.016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/21/2024) | (0.0196 - 0.03)/(48 - 46) | -0.0052 |
| 0.048 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.048 - 0.03)/(49 - 46) | 0.006 |
| | | | |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(48 - 47) | 0.0056 |
| 0.048 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.048 - 0.014)/(49 - 47) | 0.017 |
| | | | |
| 0.048 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.048 - 0.0196)/(49 - 48) | 0.0284 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.11 |
| 2 | -0.073 |
| 3 | -0.062 |
| 4 | -0.0575 |
| 5 | -0.056 |
| 6 | -0.0383333 |
| 7 | -0.0365 |
| 8 | -0.031 |
| 9 | -0.0243333 |
| 10 | -0.023 |
| 11 | -0.022 |
| 12 | -0.0206667 |
| 13 | -0.0191667 |
| 14 | -0.0164286 |
| 15 | -0.016 |
| 16 | -0.016 |

| | |
|---|---|
| 17 | -0.016 |
| 18 | -0.0155 |
| 19 | -0.01325 |
| 20 | -0.01275 |
| 21 | -0.0124 |
| 22 | -0.0121667 |
| 23 | -0.011875 |
| 24 | -0.0115 |
| 25 | -0.0112 |
| 26 | -0.0105 |
| 27 | -0.0104545 |
| 28 | -0.0104286 |
| 29 | -0.0103333 |
| 30 | -0.01 |
| 31 | -0.00958333 |
| 32 | -0.00933333 |
| 33 | -0.009125 |
| 34 | -0.00885714 |
| 35 | -0.00884615 |
| 36 | -0.00821429 |
| 37 | -0.00811111 |
| 38 | -0.008 |
| 39 | -0.00775 |
| 40 | -0.00766667 |
| 41 | -0.0073 |
| 42 | -0.0071875 |
| 43 | -0.007 |
| 44 | -0.00688889 |
| 45 | -0.00676471 |
| 46 | -0.00666667 |
| 47 | -0.00663636 |
| 48 | -0.00638889 |
| 49 | -0.00622222 |
| 50 | -0.0062 |
| 51 | -0.00608333 |
| 52 | -0.00605263 |
| 53 | -0.00588889 |
| 54 | -0.00575 |
| 55 | -0.00563636 |
| 56 | -0.00561538 |
| 57 | -0.0056 |
| 58 | -0.0055 |
| 59 | -0.00547619 |
| 60 | -0.00533333 |
| 61 | -0.00533333 |
| 62 | -0.00522727 |
| 63 | -0.00521429 |
| 64 | -0.0052 |
| 65 | -0.00516667 |
| 66 | -0.005 |
| 67 | -0.005 |
| 68 | -0.005 |
| 69 | -0.00486667 |
| 70 | -0.00479167 |
| 71 | -0.00476923 |
| 72 | -0.0046 |
| 73 | -0.0045625 |

| | |
|---|---|
| 74 | -0.00442857 |
| 75 | -0.00430769 |
| 76 | -0.00429412 |
| 77 | -0.00423077 |
| 78 | -0.00413333 |
| 79 | -0.00407407 |
| 80 | -0.00405556 |
| 81 | -0.004 |
| 82 | -0.004 |
| 83 | -0.004 |
| 84 | -0.004 |
| 85 | -0.004 |
| 86 | -0.004 |
| 87 | -0.00392857 |
| 88 | -0.003875 |
| 89 | -0.00384211 |
| 90 | -0.0037931 |
| 91 | -0.00373333 |
| 92 | -0.00366667 |
| 93 | -0.00365 |
| 94 | -0.00354839 |
| 95 | -0.0035 |
| 96 | -0.0035 |
| 97 | -0.00347619 |
| 98 | -0.0034375 |
| 99 | -0.00335294 |
| 100 | -0.00333333 |
| 101 | -0.00333333 |
| 102 | -0.00331579 |
| 103 | -0.00329412 |
| 104 | -0.00327273 |
| 105 | -0.00323529 |
| 106 | -0.0032 |
| 107 | -0.0032 |
| 108 | -0.00316667 |
| 109 | -0.00315 |
| 110 | -0.00314286 |
| 111 | -0.00311111 |
| 112 | -0.00309091 |
| 113 | -0.00305556 |
| 114 | -0.003 |
| 115 | -0.003 |
| 116 | -0.00297297 |
| 117 | -0.00295652 |
| 118 | -0.00294737 |
| 119 | -0.00293023 |
| 120 | -0.00285714 |
| 121 | -0.00285 |
| 122 | -0.00283333 |
| 123 | -0.00282051 |
| 124 | -0.00280488 |
| 125 | -0.0028 |
| 126 | -0.00273636 |
| 127 | -0.00272 |
| 128 | -0.00271429 |
| 129 | -0.00266667 |
| 130 | -0.00266667 |

| | |
|---|---|
| 131 | -0.00266667 |
| 132 | -0.00266667 |
| 133 | -0.00261905 |
| 134 | -0.00261538 |
| 135 | -0.00259091 |
| 136 | -0.00254545 |
| 137 | -0.00251852 |
| 138 | -0.00251724 |
| 139 | -0.0025 |
| 140 | -0.0025 |
| 141 | -0.0025 |
| 142 | -0.00247826 |
| 143 | -0.00247059 |
| 144 | -0.00243478 |
| 145 | -0.00242857 |
| 146 | -0.002375 |
| 147 | -0.00235484 |
| 148 | -0.00234483 |
| 149 | -0.00233333 |
| 150 | -0.00233333 |
| 151 | -0.00228571 |
| 152 | -0.00228571 |
| 153 | -0.00228571 |
| 154 | -0.00228 |
| 155 | -0.00226667 |
| 156 | -0.00224 |
| 157 | -0.00222222 |
| 158 | -0.0022 |
| 159 | -0.00219355 |
| 160 | -0.00219231 |
| 161 | -0.00215385 |
| 162 | -0.00215385 |
| 163 | -0.00214706 |
| 164 | -0.002125 |
| 165 | -0.00211111 |
| 166 | -0.00208 |
| 167 | -0.00207407 |
| 168 | -0.00206061 |
| 169 | -0.00204444 |
| 170 | -0.00203571 |
| 171 | -0.002 |
| 172 | -0.002 |
| 173 | -0.002 |
| 174 | -0.002 |
| 175 | -0.002 |
| 176 | -0.002 |
| 177 | -0.00197297 |
| 178 | -0.00196 |
| 179 | -0.00194286 |
| 180 | -0.0019375 |
| 181 | -0.00192571 |
| 182 | -0.0019 |
| 183 | -0.00181818 |
| 184 | -0.0018 |
| 185 | -0.00178947 |
| 186 | -0.00177778 |
| 187 | -0.00177778 |

| | |
|---|---|
| 188 | -0.00177778 |
| 189 | -0.00175862 |
| 190 | -0.00172727 |
| 191 | -0.00171429 |
| 192 | -0.0017 |
| 193 | -0.00166667 |
| 194 | -0.00164516 |
| 195 | -0.00163415 |
| 196 | -0.0016 |
| 197 | -0.0016 |
| 198 | -0.0016 |
| 199 | -0.00159375 |
| 200 | -0.00155814 |
| 201 | -0.00154545 |
| 202 | -0.00153846 |
| 203 | -0.0015 |
| 204 | -0.0015 |
| 205 | -0.00148571 |
| 206 | -0.00145714 |
| 207 | -0.00145652 |
| 208 | -0.00145455 |
| 209 | -0.00145455 |
| 210 | -0.00145455 |
| 211 | -0.00142857 |
| 212 | -0.00141667 |
| 213 | -0.00137838 |
| 214 | -0.00134211 |
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| 217 | -0.00133333 |
| 218 | -0.00133333 |
| 219 | -0.00130769 |
| 220 | -0.00130638 |
| 221 | -0.0013 |
| 222 | -0.001275 |
| 223 | -0.00127273 |
| 224 | -0.00125 |
| 225 | -0.00125 |
| 226 | -0.00125 |
| 227 | -0.00123077 |
| 228 | -0.00123077 |
| 229 | -0.00121951 |
| 230 | -0.00121429 |
| 231 | -0.00117647 |
| 232 | -0.00115556 |
| 233 | -0.00114286 |
| 234 | -0.00114286 |
| 235 | -0.00113333 |
| 236 | -0.00109091 |
| 237 | -0.00108333 |
| 238 | -0.00106667 |
| 239 | -0.00104 |
| 240 | -0.00103333 |
| 241 | -0.001 |
| 242 | -0.001 |
| 243 | -0.001 |
| 244 | -0.001 |

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|---|---|
| 245 | -0.00096875 |
| 246 | -0.000945455 |
| 247 | -0.000941176 |
| 248 | -0.000923077 |
| 249 | -0.000885714 |
| 250 | -0.000866667 |
| 251 | -0.000857143 |
| 252 | -0.000846154 |
| 253 | -0.000833333 |
| 254 | -0.000833333 |
| 255 | -0.000833333 |
| 256 | -0.0008 |
| 257 | -0.0008 |
| 258 | -0.000789474 |
| 259 | -0.000785714 |
| 260 | -0.00075 |
| 261 | -0.00075 |
| 262 | -0.000742857 |
| 263 | -0.000733333 |
| 264 | -0.000733333 |
| 265 | -0.000714286 |
| 266 | -0.000714286 |
| 267 | -0.000705882 |
| 268 | -0.000705556 |
| 269 | -0.000693333 |
| 270 | -0.0006875 |
| 271 | -0.0006875 |
| 272 | -0.0006875 |
| 273 | -0.000681818 |
| 274 | -0.000666667 |
| 275 | -0.000652174 |
| 276 | -0.00065 |
| 277 | -0.000647059 |
| 278 | -0.000647059 |
| 279 | -0.000631579 |
| 280 | -0.000625 |
| 281 | -0.000625 |
| 282 | -0.000611765 |
| 283 | -0.000611111 |
| 284 | -0.000611111 |
| 285 | -0.000611111 |
| 286 | -0.000606061 |
| 287 | -0.0006 |
| 288 | -0.0006 |
| 289 | -0.000589744 |
| 290 | -0.000578947 |
| 291 | -0.000578947 |
| 292 | -0.000578947 |
| 293 | -0.000577778 |
| 294 | -0.000576923 |
| 295 | -0.000571429 |
| 296 | -0.000560976 |
| 297 | -0.000555556 |
| 298 | -0.000555556 |
| 299 | -0.000555556 |
| 300 | -0.00055 |
| 301 | -0.00055 |

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| 302 | -0.00055 |
| 303 | -0.000545455 |
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| 307 | -0.00052381 |
| 308 | -0.000522727 |
| 309 | -0.000521739 |
| 310 | -0.000517241 |
| 311 | -0.0005 |
| 312 | -0.0005 |
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| 314 | -0.0005 |
| 315 | -0.0005 |
| 316 | -0.0005 |
| 317 | -0.000483871 |
| 318 | -0.00048 |
| 319 | -0.000478261 |
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| 321 | -0.000478261 |
| 322 | -0.000461538 |
| 323 | -0.000458333 |
| 324 | -0.000458333 |
| 325 | -0.000458333 |
| 326 | -0.000454545 |
| 327 | -0.000454545 |
| 328 | -0.000441176 |
| 329 | -0.00044 |
| 330 | -0.00044 |
| 331 | -0.00044 |
| 332 | -0.000432432 |
| 333 | -0.000423077 |
| 334 | -0.000423077 |
| 335 | -0.000423077 |
| 336 | -0.000416667 |
| 337 | -0.000416667 |
| 338 | -0.000410256 |
| 339 | -0.000407407 |
| 340 | -0.000407407 |
| 341 | -0.000407407 |
| 342 | -0.000392857 |
| 343 | -0.000392857 |
| 344 | -0.000392857 |
| 345 | -0.000386667 |
| 346 | -0.000384615 |
| 347 | -0.000384615 |
| 348 | -0.000380952 |
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| 350 | -0.00037931 |
| 351 | -0.000366667 |
| 352 | -0.000366667 |
| 353 | -0.000357143 |
| 354 | -0.000357143 |
| 355 | -0.000354839 |
| 356 | -0.000354839 |
| 357 | -0.00034375 |
| 358 | -0.00034375 |

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| 359 | -0.000333333 |
| 360 | -0.000333333 |
| 361 | -0.000333333 |
| 362 | -0.000333333 |
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| 364 | -0.000323529 |
| 365 | -0.000314286 |
| 366 | -0.000314286 |
| 367 | -0.0003125 |
| 368 | -0.000305556 |
| 369 | -0.000305556 |
| 370 | -0.000297297 |
| 371 | -0.000297297 |
| 372 | -0.000294118 |
| 373 | -0.000289474 |
| 374 | -0.000289474 |
| 375 | -0.000285714 |
| 376 | -0.000284211 |
| 377 | -0.000277778 |
| 378 | -0.000275 |
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| 380 | -0.00027 |
| 381 | -0.000268293 |
| 382 | -0.000263158 |
| 383 | -0.000261905 |
| 384 | -0.000259259 |
| 385 | -0.000257143 |
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| 391 | -0.000241379 |
| 392 | -0.000238095 |
| 393 | -0.000234783 |
| 394 | -0.000233333 |
| 395 | -0.000227273 |
| 396 | -0.000225806 |
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| 400 | -0.000216 |
| 401 | -0.000212121 |
| 402 | -0.000208333 |
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| 408 | -0.000192857 |
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| 416 | -0.000163636 |
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| 424 | -0.000125 |
| 425 | -0.000117391 |
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| 463 | 0 |
| 464 | 0 |
| 465 | 0 |
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| 467 | 0 |
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| 469 | 0 |
| 470 | 0 |
| 471 | 0 |
| 472 | 0 |

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|---|---|
| 473 | 0 |
| 474 | 0 |
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| 476 | 0 |
| 477 | 0 |
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| 550 | 0 |
| 551 | 0 |
| 552 | 0 |
| 553 | 0 |
| 554 | 0 |
| 555 | 0 |
| 556 | 0 |
| 557 | 0 |
| 558 | 0 |
| 559 | 0 |
| 560 | 0 |
| 561 | 0 |
| 562 | 0 |
| 563 | 0 |
| 564 | 0 |
| 565 | 0 |
| 566 | 0 |
| 567 | 0 |
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| 569 | 0 |
| 570 | 0 |
| 571 | 0 |
| 572 | 0 |
| 573 | 0 |
| 574 | 0 |
| 575 | 0 |
| 576 | 0 |
| 577 | 0 |
| 578 | 0 |
| 579 | 0 |
| 580 | 0 |
| 581 | 0 |
| 582 | 0 |
| 583 | 0 |
| 584 | 0 |
| 585 | 0 |
| 586 | 0 |

| | |
|---|---|
| 587 | 0 |
| 588 | 0 |
| 589 | 0 |
| 590 | 0 |
| 591 | 0 |
| 592 | 0 |
| 593 | 0 |
| 594 | 0 |
| 595 | 0 |
| 596 | 0 |
| 597 | 0 |
| 598 | 0 |
| 599 | 0 |
| 600 | 0 |
| 601 | 0 |
| 602 | 0 |
| 603 | 0 |
| 604 | 0 |
| 605 | 0 |
| 606 | 0 |
| 607 | 0 |
| 608 | 0 |
| 609 | 0 |
| 610 | 0 |
| 611 | 0 |
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| 614 | 0 |
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| 617 | 0 |
| 618 | 0 |
| 619 | 0 |
| 620 | 0 |
| 621 | 0 |
| 622 | 0 |
| 623 | 0 |
| 624 | 0 |
| 625 | 0 |
| 626 | 0 |
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| 635 | 0 |
| 636 | 0 |
| 637 | 0 |
| 638 | 0 |
| 639 | 0 |
| 640 | 0 |
| 641 | 0 |
| 642 | 0 |
| 643 | 0 |

| | |
|---|---|
| 644 | 0 |
| 645 | 0 |
| 646 | 0 |
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| 649 | 0 |
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| 654 | 0 |
| 655 | 0 |
| 656 | 0 |
| 657 | 0 |
| 658 | 0 |
| 659 | 0 |
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| 667 | 0 |
| 668 | 0 |
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| 670 | 0 |
| 671 | 0 |
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| 678 | 0 |
| 679 | 0 |
| 680 | 0 |
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| 686 | 0 |
| 687 | 0 |
| 688 | 0 |
| 689 | 0 |
| 690 | 0 |
| 691 | 0 |
| 692 | 0 |
| 693 | 0 |
| 694 | 0 |
| 695 | 0 |
| 696 | 0 |
| 697 | 0 |
| 698 | 0 |
| 699 | 0 |
| 700 | 0 |

| | |
|---|---|
| 701 | 0 |
| 702 | 0 |
| 703 | 0 |
| 704 | 0 |
| 705 | 0 |
| 706 | 0 |
| 707 | 0 |
| 708 | 0 |
| 709 | 0 |
| 710 | 0 |
| 711 | 0 |
| 712 | 0 |
| 713 | 0 |
| 714 | 0 |
| 715 | 0 |
| 716 | 0 |
| 717 | 0 |
| 718 | 0 |
| 719 | 0 |
| 720 | 0 |
| 721 | 0 |
| 722 | 0 |
| 723 | 0 |
| 724 | 0 |
| 725 | 0 |
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| 727 | 0 |
| 728 | 0 |
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| 731 | 0 |
| 732 | 0 |
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| 735 | 0 |
| 736 | 0 |
| 737 | 0 |
| 738 | 0 |
| 739 | 0 |
| 740 | 0 |
| 741 | 0 |
| 742 | 0 |
| 743 | 0 |
| 744 | 0 |
| 745 | 0 |
| 746 | 0 |
| 747 | 0 |
| 748 | 0 |
| 749 | 0 |
| 750 | 0 |
| 751 | 0 |
| 752 | 0 |
| 753 | 0 |
| 754 | 0 |
| 755 | 0 |
| 756 | 0 |
| 757 | 0 |

| | |
|---|---|
| 758 | 0 |
| 759 | 0 |
| 760 | 0 |
| 761 | 0 |
| 762 | 0 |
| 763 | 0 |
| 764 | 0 |
| 765 | 0 |
| 766 | 0 |
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| 770 | 0 |
| 771 | 0 |
| 772 | 0 |
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| 775 | 0 |
| 776 | 0 |
| 777 | 0 |
| 778 | 0 |
| 779 | 0 |
| 780 | 0 |
| 781 | 0 |
| 782 | 0 |
| 783 | 0 |
| 784 | 0 |
| 785 | 0 |
| 786 | 0 |
| 787 | 8.10811e-05 |
| 788 | 0.000113636 |
| 789 | 0.000121951 |
| 790 | 0.000125 |
| 791 | 0.000128205 |
| 792 | 0.000128205 |
| 793 | 0.000131579 |
| 794 | 0.000135135 |
| 795 | 0.000135135 |
| 796 | 0.000135135 |
| 797 | 0.000138889 |
| 798 | 0.000138889 |
| 799 | 0.000138889 |
| 800 | 0.000142857 |
| 801 | 0.000142857 |
| 802 | 0.000142857 |
| 803 | 0.000147059 |
| 804 | 0.000147059 |
| 805 | 0.000147059 |
| 806 | 0.000147059 |
| 807 | 0.000151515 |
| 808 | 0.000151515 |
| 809 | 0.000151515 |
| 810 | 0.000151515 |
| 811 | 0.00015625 |
| 812 | 0.00015625 |
| 813 | 0.00015625 |
| 814 | 0.00015625 |

| | |
|---|---|
| 815 | 0.00015625 |
| 816 | 0.00015625 |
| 817 | 0.00016129 |
| 818 | 0.00016129 |
| 819 | 0.00016129 |
| 820 | 0.00016129 |
| 821 | 0.00016129 |
| 822 | 0.00016129 |
| 823 | 0.000166667 |
| 824 | 0.000166667 |
| 825 | 0.000166667 |
| 826 | 0.000166667 |
| 827 | 0.000166667 |
| 828 | 0.000166667 |
| 829 | 0.000166667 |
| 830 | 0.000172414 |
| 831 | 0.000172414 |
| 832 | 0.000172414 |
| 833 | 0.000172414 |
| 834 | 0.000172414 |
| 835 | 0.000172414 |
| 836 | 0.000172414 |
| 837 | 0.000172414 |
| 838 | 0.000178571 |
| 839 | 0.000178571 |
| 840 | 0.000178571 |
| 841 | 0.000178571 |
| 842 | 0.000178571 |
| 843 | 0.000178571 |
| 844 | 0.000178571 |
| 845 | 0.000178571 |
| 846 | 0.000185185 |
| 847 | 0.000185185 |
| 848 | 0.000185185 |
| 849 | 0.000185185 |
| 850 | 0.000185185 |
| 851 | 0.000185185 |
| 852 | 0.000185185 |
| 853 | 0.000185185 |
| 854 | 0.000192308 |
| 855 | 0.000192308 |
| 856 | 0.000192308 |
| 857 | 0.000192308 |
| 858 | 0.000192308 |
| 859 | 0.000192308 |
| 860 | 0.000192308 |
| 861 | 0.000192308 |
| 862 | 0.000192308 |
| 863 | 0.0002 |
| 864 | 0.0002 |
| 865 | 0.0002 |
| 866 | 0.0002 |
| 867 | 0.0002 |
| 868 | 0.0002 |
| 869 | 0.0002 |
| 870 | 0.0002 |
| 871 | 0.0002 |

| | |
|---|---|
| 872 | 0.0002 |
| 873 | 0.000208333 |
| 874 | 0.000208333 |
| 875 | 0.000208333 |
| 876 | 0.000208333 |
| 877 | 0.000208333 |
| 878 | 0.000208333 |
| 879 | 0.000208333 |
| 880 | 0.000208333 |
| 881 | 0.000208333 |
| 882 | 0.000208333 |
| 883 | 0.000208333 |
| 884 | 0.000217391 |
| 885 | 0.000217391 |
| 886 | 0.000217391 |
| 887 | 0.000217391 |
| 888 | 0.000217391 |
| 889 | 0.000217391 |
| 890 | 0.000217391 |
| 891 | 0.000217391 |
| 892 | 0.000217391 |
| 893 | 0.000217391 |
| 894 | 0.000217391 |
| 895 | 0.000227273 |
| 896 | 0.000227273 |
| 897 | 0.000227273 |
| 898 | 0.000227273 |
| 899 | 0.000227273 |
| 900 | 0.000227273 |
| 901 | 0.000227273 |
| 902 | 0.000227273 |
| 903 | 0.000227273 |
| 904 | 0.000227273 |
| 905 | 0.000227273 |
| 906 | 0.000238095 |
| 907 | 0.000238095 |
| 908 | 0.000238095 |
| 909 | 0.000238095 |
| 910 | 0.000238095 |
| 911 | 0.000238095 |
| 912 | 0.000238095 |
| 913 | 0.000238095 |
| 914 | 0.000238095 |
| 915 | 0.000238095 |
| 916 | 0.000238095 |
| 917 | 0.000238095 |
| 918 | 0.00023913 |
| 919 | 0.00025 |
| 920 | 0.00025 |
| 921 | 0.00025 |
| 922 | 0.00025 |
| 923 | 0.00025 |
| 924 | 0.00025 |
| 925 | 0.00025 |
| 926 | 0.00025 |
| 927 | 0.00025 |
| 928 | 0.00025 |

| | |
|---|---|
| 929 | 0.00025 |
| 930 | 0.00025 |
| 931 | 0.000263158 |
| 932 | 0.000263158 |
| 933 | 0.000263158 |
| 934 | 0.000263158 |
| 935 | 0.000263158 |
| 936 | 0.000263158 |
| 937 | 0.000263158 |
| 938 | 0.000263158 |
| 939 | 0.000263158 |
| 940 | 0.000263158 |
| 941 | 0.000263158 |
| 942 | 0.000263158 |
| 943 | 0.000277778 |
| 944 | 0.000277778 |
| 945 | 0.000277778 |
| 946 | 0.000277778 |
| 947 | 0.000277778 |
| 948 | 0.000277778 |
| 949 | 0.000277778 |
| 950 | 0.000277778 |
| 951 | 0.000277778 |
| 952 | 0.000277778 |
| 953 | 0.000277778 |
| 954 | 0.000277778 |
| 955 | 0.000294118 |
| 956 | 0.000294118 |
| 957 | 0.000294118 |
| 958 | 0.000294118 |
| 959 | 0.000294118 |
| 960 | 0.000294118 |
| 961 | 0.000294118 |
| 962 | 0.000294118 |
| 963 | 0.000294118 |
| 964 | 0.000294118 |
| 965 | 0.000294118 |
| 966 | 0.000294118 |
| 967 | 0.000294118 |
| 968 | 0.0003125 |
| 969 | 0.0003125 |
| 970 | 0.0003125 |
| 971 | 0.0003125 |
| 972 | 0.0003125 |
| 973 | 0.0003125 |
| 974 | 0.0003125 |
| 975 | 0.0003125 |
| 976 | 0.0003125 |
| 977 | 0.0003125 |
| 978 | 0.0003125 |
| 979 | 0.0003125 |
| 980 | 0.0003125 |
| 981 | 0.000333333 |
| 982 | 0.000333333 |
| 983 | 0.000333333 |
| 984 | 0.000333333 |
| 985 | 0.000333333 |

| | |
|---|---|
| 986 | 0.000333333 |
| 987 | 0.000333333 |
| 988 | 0.000333333 |
| 989 | 0.000333333 |
| 990 | 0.000333333 |
| 991 | 0.000333333 |
| 992 | 0.000333333 |
| 993 | 0.000333333 |
| 994 | 0.000357143 |
| 995 | 0.000357143 |
| 996 | 0.000357143 |
| 997 | 0.000357143 |
| 998 | 0.000357143 |
| 999 | 0.000357143 |
| 1000 | 0.000357143 |
| 1001 | 0.000357143 |
| 1002 | 0.000357143 |
| 1003 | 0.000357143 |
| 1004 | 0.000357143 |
| 1005 | 0.000357143 |
| 1006 | 0.000357143 |
| 1007 | 0.000384615 |
| 1008 | 0.000384615 |
| 1009 | 0.000384615 |
| 1010 | 0.000384615 |
| 1011 | 0.000384615 |
| 1012 | 0.000384615 |
| 1013 | 0.000384615 |
| 1014 | 0.000384615 |
| 1015 | 0.000384615 |
| 1016 | 0.000384615 |
| 1017 | 0.000384615 |
| 1018 | 0.000384615 |
| 1019 | 0.000409091 |
| 1020 | 0.000416667 |
| 1021 | 0.000416667 |
| 1022 | 0.000416667 |
| 1023 | 0.000416667 |
| 1024 | 0.000416667 |
| 1025 | 0.000416667 |
| 1026 | 0.000416667 |
| 1027 | 0.000416667 |
| 1028 | 0.000416667 |
| 1029 | 0.000416667 |
| 1030 | 0.000416667 |
| 1031 | 0.000416667 |
| 1032 | 0.000454545 |
| 1033 | 0.000454545 |
| 1034 | 0.000454545 |
| 1035 | 0.000454545 |
| 1036 | 0.000454545 |
| 1037 | 0.000454545 |
| 1038 | 0.000454545 |
| 1039 | 0.000454545 |
| 1040 | 0.000454545 |
| 1041 | 0.000454545 |
| 1042 | 0.000454545 |

| | |
|---|---|
| 1043 | 0.000489362 |
| 1044 | 0.0005 |
| 1045 | 0.0005 |
| 1046 | 0.0005 |
| 1047 | 0.0005 |
| 1048 | 0.0005 |
| 1049 | 0.0005 |
| 1050 | 0.0005 |
| 1051 | 0.0005 |
| 1052 | 0.0005 |
| 1053 | 0.0005 |
| 1054 | 0.0005 |
| 1055 | 0.000534884 |
| 1056 | 0.000547619 |
| 1057 | 0.000555556 |
| 1058 | 0.000555556 |
| 1059 | 0.000555556 |
| 1060 | 0.000555556 |
| 1061 | 0.000555556 |
| 1062 | 0.000555556 |
| 1063 | 0.000555556 |
| 1064 | 0.000555556 |
| 1065 | 0.000555556 |
| 1066 | 0.000575 |
| 1067 | 0.000589744 |
| 1068 | 0.000605263 |
| 1069 | 0.000625 |
| 1070 | 0.000625 |
| 1071 | 0.000625 |
| 1072 | 0.000625 |
| 1073 | 0.000625 |
| 1074 | 0.000625 |
| 1075 | 0.000625 |
| 1076 | 0.000625 |
| 1077 | 0.000657143 |
| 1078 | 0.000676471 |
| 1079 | 0.00069697 |
| 1080 | 0.000714286 |
| 1081 | 0.000714286 |
| 1082 | 0.000714286 |
| 1083 | 0.000714286 |
| 1084 | 0.000714286 |
| 1085 | 0.000714286 |
| 1086 | 0.000714286 |
| 1087 | 0.00071875 |
| 1088 | 0.000741935 |
| 1089 | 0.000766667 |
| 1090 | 0.000793103 |
| 1091 | 0.000821429 |
| 1092 | 0.000833333 |
| 1093 | 0.000833333 |
| 1094 | 0.000833333 |
| 1095 | 0.000833333 |
| 1096 | 0.000833333 |
| 1097 | 0.000833333 |
| 1098 | 0.000851852 |
| 1099 | 0.000884615 |

| | |
|---|---|
| 1100 | 0.000888889 |
| 1101 | 0.00092 |
| 1102 | 0.000933333 |
| 1103 | 0.000947368 |
| 1104 | 0.000958333 |
| 1105 | 0.001 |
| 1106 | 0.001 |
| 1107 | 0.001 |
| 1108 | 0.001 |
| 1109 | 0.001 |
| 1110 | 0.001 |
| 1111 | 0.001 |
| 1112 | 0.00104545 |
| 1113 | 0.00105882 |
| 1114 | 0.00109524 |
| 1115 | 0.001125 |
| 1116 | 0.00115 |
| 1117 | 0.0012 |
| 1118 | 0.00125 |
| 1119 | 0.00125 |
| 1120 | 0.00125 |
| 1121 | 0.00125 |
| 1122 | 0.00128571 |
| 1123 | 0.00138462 |
| 1124 | 0.0014 |
| 1125 | 0.0015 |
| 1126 | 0.00163636 |
| 1127 | 0.00166667 |
| 1128 | 0.00166667 |
| 1129 | 0.00166667 |
| 1130 | 0.00166667 |
| 1131 | 0.0018 |
| 1132 | 0.002 |
| 1133 | 0.002 |
| 1134 | 0.00214286 |
| 1135 | 0.00225 |
| 1136 | 0.00242857 |
| 1137 | 0.0025 |
| 1138 | 0.0025 |
| 1139 | 0.003 |
| 1140 | 0.00333333 |
| 1141 | 0.00366667 |
| 1142 | 0.004 |
| 1143 | 0.004 |
| 1144 | 0.00485714 |
| 1145 | 0.005 |
| 1146 | 0.005 |
| 1147 | 0.005 |
| 1148 | 0.0056 |
| 1149 | 0.00563636 |
| 1150 | 0.00575 |
| 1151 | 0.006 |
| 1152 | 0.00666667 |
| 1153 | 0.0068 |
| 1154 | 0.007125 |
| 1155 | 0.008 |
| 1156 | 0.00885714 |

| | |
|---|---|
| 1157 | 0.01 |
| 1158 | 0.0103333 |
| 1159 | 0.011 |
| 1160 | 0.012 |
| 1161 | 0.0121667 |
| 1162 | 0.0122 |
| 1163 | 0.0155 |
| 1164 | 0.016 |
| 1165 | 0.017 |
| 1166 | 0.0196667 |
| 1167 | 0.02 |
| 1168 | 0.0206667 |
| 1169 | 0.0226667 |
| 1170 | 0.0284 |
| 1171 | 0.031 |
| 1172 | 0.0365 |
| 1173 | 0.042 |
| 1174 | 0.0575 |
| 1175 | 0.073 |
| 1176 | 0.103 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.025 | 23 |
| 2 | 0.03 | 15 |
| 3 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |

| | |
|---|---|
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 33222
B = 0
C = 13362
D = 0
E = 722
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 11613
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 177.255
M1 = (1176 - 177.255)/2.0 = 499.372
M2 = (1176 + 177.255)/2.0 + 1 = 677.628
Lower limit is 0 = Q(499)
Upper limit is 0 = Q(678)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: RC 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.12 U (5/8/2013) | 0.088 (3/12/2013) | (0.12 - 0.088)/(2 - 1) | 0.032 |
| ND<0.025 U (9/23/2013) | 0.088 (3/12/2013) | (0.025 - 0.088)/(3 - 1) | -0.0315 |
| 0.1 (12/10/2013) | 0.088 (3/12/2013) | (0.1 - 0.088)/(4 - 1) | 0.004 |
| 0.036 (2/6/2014) | 0.088 (3/12/2013) | (0.036 - 0.088)/(5 - 1) | -0.013 |
| ND<0.025 U (6/26/2014) | 0.088 (3/12/2013) | (0.025 - 0.088)/(6 - 1) | -0.0126 |
| 0.085 (9/19/2014) | 0.088 (3/12/2013) | (0.085 - 0.088)/(7 - 1) | -0.0005 |
| ND<0.025 U (9/30/2014) | 0.088 (3/12/2013) | (0.025 - 0.088)/(8 - 1) | -0.009 |
| 0.07 (3/23/2015) | 0.088 (3/12/2013) | (0.07 - 0.088)/(9 - 1) | -0.00225 |
| ND<0.025 U (4/22/2015) | 0.088 (3/12/2013) | (0.025 - 0.088)/(10 - 1) | -0.007 |
| ND<0.025 U (9/30/2015) | 0.088 (3/12/2013) | (0.025 - 0.088)/(11 - 1) | -0.0063 |
| ND<0.025 U (11/19/2015) | 0.088 (3/12/2013) | (0.025 - 0.088)/(12 - 1) | -0.00572727 |
| ND<0.025 U (3/15/2016) | 0.088 (3/12/2013) | (0.025 - 0.088)/(13 - 1) | -0.00525 |
| 0.037 (6/29/2016) | 0.088 (3/12/2013) | (0.037 - 0.088)/(14 - 1) | -0.00392308 |
| ND<0.025 U (8/9/2016) | 0.088 (3/12/2013) | (0.025 - 0.088)/(15 - 1) | -0.0045 |
| ND<0.025 U (12/7/2016) | 0.088 (3/12/2013) | (0.025 - 0.088)/(16 - 1) | -0.0042 |
| ND<0.025 U (3/2/2017) | 0.088 (3/12/2013) | (0.025 - 0.088)/(17 - 1) | -0.0039375 |
| 0.041 (7/5/2017) | 0.088 (3/12/2013) | (0.041 - 0.088)/(18 - 1) | -0.00276471 |
| 0.042 (8/16/2017) | 0.088 (3/12/2013) | (0.042 - 0.088)/(19 - 1) | -0.00255556 |
| 0.088 (10/25/2017) | 0.088 (3/12/2013) | (0.088 - 0.088)/(20 - 1) | 0 |
| ND<0.025 U (3/28/2018) | 0.088 (3/12/2013) | (0.025 - 0.088)/(21 - 1) | -0.00315 |
| ND<0.025 U (6/29/2018) | 0.088 (3/12/2013) | (0.025 - 0.088)/(22 - 1) | -0.003 |
| 0.055 (8/2/2018) | 0.088 (3/12/2013) | (0.055 - 0.088)/(23 - 1) | -0.0015 |
| 0.038 (12/10/2018) | 0.088 (3/12/2013) | (0.038 - 0.088)/(24 - 1) | -0.00217391 |
| ND<0.025 U (4/15/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(25 - 1) | -0.002625 |
| ND<0.025 U (6/12/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(26 - 1) | -0.00252 |
| ND<0.025 U (8/27/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(27 - 1) | -0.00242308 |
| ND<0.025 U (10/29/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(28 - 1) | -0.00233333 |
| ND<0.025 U (3/30/2020) | 0.088 (3/12/2013) | (0.025 - 0.088)/(29 - 1) | -0.00225 |
| ND<0.03 U (6/16/2020) | 0.088 (3/12/2013) | (0.03 - 0.088)/(30 - 1) | -0.002 |
| ND<0.03 U (9/21/2020) | 0.088 (3/12/2013) | (0.03 - 0.088)/(31 - 1) | -0.00193333 |
| ND<0.03 U (12/17/2020) | 0.088 (3/12/2013) | (0.03 - 0.088)/(32 - 1) | -0.00187097 |
| ND<0.03 U (3/18/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(33 - 1) | -0.0018125 |
| ND<0.03 U (5/5/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(34 - 1) | -0.00175758 |
| 0.04 (9/2/2021) | 0.088 (3/12/2013) | (0.04 - 0.088)/(35 - 1) | -0.00141176 |
| ND<0.03 U (11/23/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(36 - 1) | -0.00165714 |
| ND<0.03 U (1/11/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(37 - 1) | -0.00161111 |
| ND<0.03 U (4/7/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(38 - 1) | -0.00156757 |
| ND<0.03 U (8/2/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(39 - 1) | -0.00152632 |
| ND<0.03 U (11/16/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(40 - 1) | -0.00148718 |
| ND<0.03 U (2/14/2023) | 0.088 (3/12/2013) | (0.03 - 0.088)/(41 - 1) | -0.00145 |
| ND<0.014 U (5/25/2023) | 0.088 (3/12/2013) | (0.014 - 0.088)/(42 - 1) | -0.00180488 |
| 0.036 (8/7/2023) | 0.088 (3/12/2013) | (0.036 - 0.088)/(43 - 1) | -0.0012381 |
| ND<0.014 U (12/12/2023) | 0.088 (3/12/2013) | (0.014 - 0.088)/(44 - 1) | -0.00172093 |
| 0.042 (1/10/2024) | 0.088 (3/12/2013) | (0.042 - 0.088)/(45 - 1) | -0.00104545 |
| ND<0.03 U (5/21/2024) | 0.088 (3/12/2013) | (0.03 - 0.088)/(46 - 1) | -0.00128889 |
| ND<0.014 U (9/16/2024) | 0.088 (3/12/2013) | (0.014 - 0.088)/(47 - 1) | -0.0016087 |
| 0.079 (12/11/2024) | 0.088 (3/12/2013) | (0.079 - 0.088)/(48 - 1) | -0.000191489 |
| 0.022 (2/18/2025) | 0.088 (3/12/2013) | (0.022 - 0.088)/(49 - 1) | -0.001375 |

| | | | |
|---|---|---|---|
| ND<0.025 U (9/23/2013) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(3 - 2) | -0.095 |
| 0.1 (12/10/2013) | ND<0.12 U (5/8/2013) | (0.1 - 0.12)/(4 - 2) | -0.01 |
| 0.036 (2/6/2014) | ND<0.12 U (5/8/2013) | (0.036 - 0.12)/(5 - 2) | -0.028 |
| ND<0.025 U (6/26/2014) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(6 - 2) | -0.02375 |
| 0.085 (9/19/2014) | ND<0.12 U (5/8/2013) | (0.085 - 0.12)/(7 - 2) | -0.007 |
| ND<0.025 U (9/30/2014) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(8 - 2) | -0.0158333 |
| 0.07 (3/23/2015) | ND<0.12 U (5/8/2013) | (0.07 - 0.12)/(9 - 2) | -0.00714286 |
| ND<0.025 U (4/22/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(10 - 2) | -0.011875 |
| ND<0.025 U (9/30/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(11 - 2) | -0.0105556 |
| ND<0.025 U (11/19/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(12 - 2) | -0.0095 |
| ND<0.025 U (3/15/2016) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(13 - 2) | -0.00863636 |
| 0.037 (6/29/2016) | ND<0.12 U (5/8/2013) | (0.037 - 0.12)/(14 - 2) | -0.00691667 |
| ND<0.025 U (8/9/2016) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(15 - 2) | -0.00730769 |
| ND<0.025 U (12/7/2016) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(16 - 2) | -0.00678571 |
| ND<0.025 U (3/2/2017) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(17 - 2) | -0.00633333 |
| 0.041 (7/5/2017) | ND<0.12 U (5/8/2013) | (0.041 - 0.12)/(18 - 2) | -0.0049375 |
| 0.042 (8/16/2017) | ND<0.12 U (5/8/2013) | (0.042 - 0.12)/(19 - 2) | -0.00458824 |
| 0.088 (10/25/2017) | ND<0.12 U (5/8/2013) | (0.088 - 0.12)/(20 - 2) | -0.00177778 |
| ND<0.025 U (3/28/2018) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(21 - 2) | -0.005 |
| ND<0.025 U (6/29/2018) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(22 - 2) | -0.00475 |
| 0.055 (8/2/2018) | ND<0.12 U (5/8/2013) | (0.055 - 0.12)/(23 - 2) | -0.00309524 |
| 0.038 (12/10/2018) | ND<0.12 U (5/8/2013) | (0.038 - 0.12)/(24 - 2) | -0.00372727 |
| ND<0.025 U (4/15/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(25 - 2) | -0.00413043 |
| ND<0.025 U (6/12/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(26 - 2) | -0.00395833 |
| ND<0.025 U (8/27/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(27 - 2) | -0.0038 |
| ND<0.025 U (10/29/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(28 - 2) | -0.00365385 |
| ND<0.025 U (3/30/2020) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(29 - 2) | -0.00351852 |
| ND<0.03 U (6/16/2020) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(30 - 2) | -0.00321429 |
| ND<0.03 U (9/21/2020) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(31 - 2) | -0.00310345 |
| ND<0.03 U (12/17/2020) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(32 - 2) | -0.003 |
| ND<0.03 U (3/18/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(33 - 2) | -0.00290323 |
| ND<0.03 U (5/5/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(34 - 2) | -0.0028125 |
| 0.04 (9/2/2021) | ND<0.12 U (5/8/2013) | (0.04 - 0.12)/(35 - 2) | -0.00242424 |
| ND<0.03 U (11/23/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(36 - 2) | -0.00264706 |
| ND<0.03 U (1/11/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(37 - 2) | -0.00257143 |
| ND<0.03 U (4/7/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(38 - 2) | -0.0025 |
| ND<0.03 U (8/2/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(39 - 2) | -0.00243243 |
| ND<0.03 U (11/16/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(40 - 2) | -0.00236842 |
| ND<0.03 U (2/14/2023) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(41 - 2) | -0.00230769 |
| ND<0.014 U (5/25/2023) | ND<0.12 U (5/8/2013) | (0.014 - 0.12)/(42 - 2) | -0.00265 |
| 0.036 (8/7/2023) | ND<0.12 U (5/8/2013) | (0.036 - 0.12)/(43 - 2) | -0.00204878 |
| ND<0.014 U (12/12/2023) | ND<0.12 U (5/8/2013) | (0.014 - 0.12)/(44 - 2) | -0.00252381 |
| 0.042 (1/10/2024) | ND<0.12 U (5/8/2013) | (0.042 - 0.12)/(45 - 2) | -0.00181395 |
| ND<0.03 U (5/21/2024) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(46 - 2) | -0.00204545 |
| ND<0.014 U (9/16/2024) | ND<0.12 U (5/8/2013) | (0.014 - 0.12)/(47 - 2) | -0.00235556 |
| 0.079 (12/11/2024) | ND<0.12 U (5/8/2013) | (0.079 - 0.12)/(48 - 2) | -0.000891304 |
| 0.022 (2/18/2025) | ND<0.12 U (5/8/2013) | (0.022 - 0.12)/(49 - 2) | -0.00208511 |

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|---|---|---|---|
| 0.1 (12/10/2013) | ND<0.025 U (9/23/2013) | (0.1 - 0.025)/(4 - 3) | 0.075 |
| 0.036 (2/6/2014) | ND<0.025 U (9/23/2013) | (0.036 - 0.025)/(5 - 3) | 0.0055 |
| ND<0.025 U (6/26/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(6 - 3) | 0 |
| 0.085 (9/19/2014) | ND<0.025 U (9/23/2013) | (0.085 - 0.025)/(7 - 3) | 0.015 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(8 - 3) | 0 |
| 0.07 (3/23/2015) | ND<0.025 U (9/23/2013) | (0.07 - 0.025)/(9 - 3) | 0.0075 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(10 - 3) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(11 - 3) | 0 |

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|---|---|---|---|
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(12 - 3) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(13 - 3) | 0 |
| 0.037 (6/29/2016) | ND<0.025 U (9/23/2013) | (0.037 - 0.025)/(14 - 3) | 0.00109091 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(15 - 3) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(16 - 3) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(17 - 3) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (9/23/2013) | (0.041 - 0.025)/(18 - 3) | 0.00106667 |
| 0.042 (8/16/2017) | ND<0.025 U (9/23/2013) | (0.042 - 0.025)/(19 - 3) | 0.0010625 |
| 0.088 (10/25/2017) | ND<0.025 U (9/23/2013) | (0.088 - 0.025)/(20 - 3) | 0.00370588 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(21 - 3) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(22 - 3) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (9/23/2013) | (0.055 - 0.025)/(23 - 3) | 0.0015 |
| 0.038 (12/10/2018) | ND<0.025 U (9/23/2013) | (0.038 - 0.025)/(24 - 3) | 0.000619048 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(25 - 3) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(26 - 3) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(27 - 3) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(28 - 3) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(29 - 3) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(30 - 3) | 0.000185185 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(31 - 3) | 0.000178571 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(32 - 3) | 0.000172414 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(33 - 3) | 0.000166667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(34 - 3) | 0.00016129 |
| 0.04 (9/2/2021) | ND<0.025 U (9/23/2013) | (0.04 - 0.025)/(35 - 3) | 0.00046875 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(36 - 3) | 0.000151515 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(37 - 3) | 0.000147059 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(38 - 3) | 0.000142857 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(39 - 3) | 0.000138889 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(40 - 3) | 0.000135135 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(41 - 3) | 0.000131579 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/23/2013) | (0.014 - 0.025)/(42 - 3) | -0.000282051 |
| 0.036 (8/7/2023) | ND<0.025 U (9/23/2013) | (0.036 - 0.025)/(43 - 3) | 0.000275 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/23/2013) | (0.014 - 0.025)/(44 - 3) | -0.000268293 |
| 0.042 (1/10/2024) | ND<0.025 U (9/23/2013) | (0.042 - 0.025)/(45 - 3) | 0.000404762 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(46 - 3) | 0.000116279 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/23/2013) | (0.014 - 0.025)/(47 - 3) | -0.00025 |
| 0.079 (12/11/2024) | ND<0.025 U (9/23/2013) | (0.079 - 0.025)/(48 - 3) | 0.0012 |
| 0.022 (2/18/2025) | ND<0.025 U (9/23/2013) | (0.022 - 0.025)/(49 - 3) | -6.52174e-05 |
| | | | |
| 0.036 (2/6/2014) | 0.1 (12/10/2013) | (0.036 - 0.1)/(5 - 4) | -0.064 |
| ND<0.025 U (6/26/2014) | 0.1 (12/10/2013) | (0.025 - 0.1)/(6 - 4) | -0.0375 |
| 0.085 (9/19/2014) | 0.1 (12/10/2013) | (0.085 - 0.1)/(7 - 4) | -0.005 |
| ND<0.025 U (9/30/2014) | 0.1 (12/10/2013) | (0.025 - 0.1)/(8 - 4) | -0.01875 |
| 0.07 (3/23/2015) | 0.1 (12/10/2013) | (0.07 - 0.1)/(9 - 4) | -0.006 |
| ND<0.025 U (4/22/2015) | 0.1 (12/10/2013) | (0.025 - 0.1)/(10 - 4) | -0.0125 |
| ND<0.025 U (9/30/2015) | 0.1 (12/10/2013) | (0.025 - 0.1)/(11 - 4) | -0.0107143 |
| ND<0.025 U (11/19/2015) | 0.1 (12/10/2013) | (0.025 - 0.1)/(12 - 4) | -0.009375 |
| ND<0.025 U (3/15/2016) | 0.1 (12/10/2013) | (0.025 - 0.1)/(13 - 4) | -0.00833333 |
| 0.037 (6/29/2016) | 0.1 (12/10/2013) | (0.037 - 0.1)/(14 - 4) | -0.0063 |
| ND<0.025 U (8/9/2016) | 0.1 (12/10/2013) | (0.025 - 0.1)/(15 - 4) | -0.00681818 |
| ND<0.025 U (12/7/2016) | 0.1 (12/10/2013) | (0.025 - 0.1)/(16 - 4) | -0.00625 |
| ND<0.025 U (3/2/2017) | 0.1 (12/10/2013) | (0.025 - 0.1)/(17 - 4) | -0.00576923 |
| 0.041 (7/5/2017) | 0.1 (12/10/2013) | (0.041 - 0.1)/(18 - 4) | -0.00421429 |
| 0.042 (8/16/2017) | 0.1 (12/10/2013) | (0.042 - 0.1)/(19 - 4) | -0.00386667 |
| 0.088 (10/25/2017) | 0.1 (12/10/2013) | (0.088 - 0.1)/(20 - 4) | -0.00075 |
| ND<0.025 U (3/28/2018) | 0.1 (12/10/2013) | (0.025 - 0.1)/(21 - 4) | -0.00441176 |
| ND<0.025 U (6/29/2018) | 0.1 (12/10/2013) | (0.025 - 0.1)/(22 - 4) | -0.00416667 |

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|---|---|---|---|
| 0.055 (8/2/2018) | 0.1 (12/10/2013) | (0.055 - 0.1)/(23 - 4) | -0.00236842 |
| 0.038 (12/10/2018) | 0.1 (12/10/2013) | (0.038 - 0.1)/(24 - 4) | -0.0031 |
| ND<0.025 U (4/15/2019) | 0.1 (12/10/2013) | (0.025 - 0.1)/(25 - 4) | -0.00357143 |
| ND<0.025 U (6/12/2019) | 0.1 (12/10/2013) | (0.025 - 0.1)/(26 - 4) | -0.00340909 |
| ND<0.025 U (8/27/2019) | 0.1 (12/10/2013) | (0.025 - 0.1)/(27 - 4) | -0.00326087 |
| ND<0.025 U (10/29/2019) | 0.1 (12/10/2013) | (0.025 - 0.1)/(28 - 4) | -0.003125 |
| ND<0.025 U (3/30/2020) | 0.1 (12/10/2013) | (0.025 - 0.1)/(29 - 4) | -0.003 |
| ND<0.03 U (6/16/2020) | 0.1 (12/10/2013) | (0.03 - 0.1)/(30 - 4) | -0.00269231 |
| ND<0.03 U (9/21/2020) | 0.1 (12/10/2013) | (0.03 - 0.1)/(31 - 4) | -0.00259259 |
| ND<0.03 U (12/17/2020) | 0.1 (12/10/2013) | (0.03 - 0.1)/(32 - 4) | -0.0025 |
| ND<0.03 U (3/18/2021) | 0.1 (12/10/2013) | (0.03 - 0.1)/(33 - 4) | -0.00241379 |
| ND<0.03 U (5/5/2021) | 0.1 (12/10/2013) | (0.03 - 0.1)/(34 - 4) | -0.00233333 |
| 0.04 (9/2/2021) | 0.1 (12/10/2013) | (0.04 - 0.1)/(35 - 4) | -0.00193548 |
| ND<0.03 U (11/23/2021) | 0.1 (12/10/2013) | (0.03 - 0.1)/(36 - 4) | -0.0021875 |
| ND<0.03 U (1/11/2022) | 0.1 (12/10/2013) | (0.03 - 0.1)/(37 - 4) | -0.00212121 |
| ND<0.03 U (4/7/2022) | 0.1 (12/10/2013) | (0.03 - 0.1)/(38 - 4) | -0.00205882 |
| ND<0.03 U (8/2/2022) | 0.1 (12/10/2013) | (0.03 - 0.1)/(39 - 4) | -0.002 |
| ND<0.03 U (11/16/2022) | 0.1 (12/10/2013) | (0.03 - 0.1)/(40 - 4) | -0.00194444 |
| ND<0.03 U (2/14/2023) | 0.1 (12/10/2013) | (0.03 - 0.1)/(41 - 4) | -0.00189189 |
| ND<0.014 U (5/25/2023) | 0.1 (12/10/2013) | (0.014 - 0.1)/(42 - 4) | -0.00226316 |
| 0.036 (8/7/2023) | 0.1 (12/10/2013) | (0.036 - 0.1)/(43 - 4) | -0.00164103 |
| ND<0.014 U (12/12/2023) | 0.1 (12/10/2013) | (0.014 - 0.1)/(44 - 4) | -0.00215 |
| 0.042 (1/10/2024) | 0.1 (12/10/2013) | (0.042 - 0.1)/(45 - 4) | -0.00141463 |
| ND<0.03 U (5/21/2024) | 0.1 (12/10/2013) | (0.03 - 0.1)/(46 - 4) | -0.00166667 |
| ND<0.014 U (9/16/2024) | 0.1 (12/10/2013) | (0.014 - 0.1)/(47 - 4) | -0.002 |
| 0.079 (12/11/2024) | 0.1 (12/10/2013) | (0.079 - 0.1)/(48 - 4) | -0.000477273 |
| 0.022 (2/18/2025) | 0.1 (12/10/2013) | (0.022 - 0.1)/(49 - 4) | -0.00173333 |
| | | | |
| ND<0.025 U (6/26/2014) | 0.036 (2/6/2014) | (0.025 - 0.036)/(6 - 5) | -0.011 |
| 0.085 (9/19/2014) | 0.036 (2/6/2014) | (0.085 - 0.036)/(7 - 5) | 0.0245 |
| ND<0.025 U (9/30/2014) | 0.036 (2/6/2014) | (0.025 - 0.036)/(8 - 5) | -0.00366667 |
| 0.07 (3/23/2015) | 0.036 (2/6/2014) | (0.07 - 0.036)/(9 - 5) | 0.0085 |
| ND<0.025 U (4/22/2015) | 0.036 (2/6/2014) | (0.025 - 0.036)/(10 - 5) | -0.0022 |
| ND<0.025 U (9/30/2015) | 0.036 (2/6/2014) | (0.025 - 0.036)/(11 - 5) | -0.00183333 |
| ND<0.025 U (11/19/2015) | 0.036 (2/6/2014) | (0.025 - 0.036)/(12 - 5) | -0.00157143 |
| ND<0.025 U (3/15/2016) | 0.036 (2/6/2014) | (0.025 - 0.036)/(13 - 5) | -0.001375 |
| 0.037 (6/29/2016) | 0.036 (2/6/2014) | (0.037 - 0.036)/(14 - 5) | 0.000111111 |
| ND<0.025 U (8/9/2016) | 0.036 (2/6/2014) | (0.025 - 0.036)/(15 - 5) | -0.0011 |
| ND<0.025 U (12/7/2016) | 0.036 (2/6/2014) | (0.025 - 0.036)/(16 - 5) | -0.001 |
| ND<0.025 U (3/2/2017) | 0.036 (2/6/2014) | (0.025 - 0.036)/(17 - 5) | -0.000916667 |
| 0.041 (7/5/2017) | 0.036 (2/6/2014) | (0.041 - 0.036)/(18 - 5) | 0.000384615 |
| 0.042 (8/16/2017) | 0.036 (2/6/2014) | (0.042 - 0.036)/(19 - 5) | 0.000428571 |
| 0.088 (10/25/2017) | 0.036 (2/6/2014) | (0.088 - 0.036)/(20 - 5) | 0.00346667 |
| ND<0.025 U (3/28/2018) | 0.036 (2/6/2014) | (0.025 - 0.036)/(21 - 5) | -0.0006875 |
| ND<0.025 U (6/29/2018) | 0.036 (2/6/2014) | (0.025 - 0.036)/(22 - 5) | -0.000647059 |
| 0.055 (8/2/2018) | 0.036 (2/6/2014) | (0.055 - 0.036)/(23 - 5) | 0.00105556 |
| 0.038 (12/10/2018) | 0.036 (2/6/2014) | (0.038 - 0.036)/(24 - 5) | 0.000105263 |
| ND<0.025 U (4/15/2019) | 0.036 (2/6/2014) | (0.025 - 0.036)/(25 - 5) | -0.00055 |
| ND<0.025 U (6/12/2019) | 0.036 (2/6/2014) | (0.025 - 0.036)/(26 - 5) | -0.00052381 |
| ND<0.025 U (8/27/2019) | 0.036 (2/6/2014) | (0.025 - 0.036)/(27 - 5) | -0.0005 |
| ND<0.025 U (10/29/2019) | 0.036 (2/6/2014) | (0.025 - 0.036)/(28 - 5) | -0.000478261 |
| ND<0.025 U (3/30/2020) | 0.036 (2/6/2014) | (0.025 - 0.036)/(29 - 5) | -0.000458333 |
| ND<0.03 U (6/16/2020) | 0.036 (2/6/2014) | (0.03 - 0.036)/(30 - 5) | -0.00024 |
| ND<0.03 U (9/21/2020) | 0.036 (2/6/2014) | (0.03 - 0.036)/(31 - 5) | -0.000230769 |
| ND<0.03 U (12/17/2020) | 0.036 (2/6/2014) | (0.03 - 0.036)/(32 - 5) | -0.000222222 |
| ND<0.03 U (3/18/2021) | 0.036 (2/6/2014) | (0.03 - 0.036)/(33 - 5) | -0.000214286 |
| ND<0.03 U (5/5/2021) | 0.036 (2/6/2014) | (0.03 - 0.036)/(34 - 5) | -0.000206897 |

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|---|---|---|---|
| 0.04 (9/2/2021) | 0.036 (2/6/2014) | (0.04 - 0.036)/(35 - 5) | 0.000133333 |
| ND<0.03 U (11/23/2021) | 0.036 (2/6/2014) | (0.03 - 0.036)/(36 - 5) | -0.000193548 |
| ND<0.03 U (1/11/2022) | 0.036 (2/6/2014) | (0.03 - 0.036)/(37 - 5) | -0.0001875 |
| ND<0.03 U (4/7/2022) | 0.036 (2/6/2014) | (0.03 - 0.036)/(38 - 5) | -0.000181818 |
| ND<0.03 U (8/2/2022) | 0.036 (2/6/2014) | (0.03 - 0.036)/(39 - 5) | -0.000176471 |
| ND<0.03 U (11/16/2022) | 0.036 (2/6/2014) | (0.03 - 0.036)/(40 - 5) | -0.000171429 |
| ND<0.03 U (2/14/2023) | 0.036 (2/6/2014) | (0.03 - 0.036)/(41 - 5) | -0.000166667 |
| ND<0.014 U (5/25/2023) | 0.036 (2/6/2014) | (0.014 - 0.036)/(42 - 5) | -0.000594595 |
| 0.036 (8/7/2023) | 0.036 (2/6/2014) | (0.036 - 0.036)/(43 - 5) | 0 |
| ND<0.014 U (12/12/2023) | 0.036 (2/6/2014) | (0.014 - 0.036)/(44 - 5) | -0.000564103 |
| 0.042 (1/10/2024) | 0.036 (2/6/2014) | (0.042 - 0.036)/(45 - 5) | 0.00015 |
| ND<0.03 U (5/21/2024) | 0.036 (2/6/2014) | (0.03 - 0.036)/(46 - 5) | -0.000146341 |
| ND<0.014 U (9/16/2024) | 0.036 (2/6/2014) | (0.014 - 0.036)/(47 - 5) | -0.00052381 |
| 0.079 (12/11/2024) | 0.036 (2/6/2014) | (0.079 - 0.036)/(48 - 5) | 0.001 |
| 0.022 (2/18/2025) | 0.036 (2/6/2014) | (0.022 - 0.036)/(49 - 5) | -0.000318182 |
| | | | |
| 0.085 (9/19/2014) | ND<0.025 U (6/26/2014) | (0.085 - 0.025)/(7 - 6) | 0.06 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(8 - 6) | 0 |
| 0.07 (3/23/2015) | ND<0.025 U (6/26/2014) | (0.07 - 0.025)/(9 - 6) | 0.015 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(10 - 6) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(11 - 6) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(12 - 6) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(13 - 6) | 0 |
| 0.037 (6/29/2016) | ND<0.025 U (6/26/2014) | (0.037 - 0.025)/(14 - 6) | 0.0015 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(15 - 6) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(16 - 6) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(17 - 6) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (6/26/2014) | (0.041 - 0.025)/(18 - 6) | 0.00133333 |
| 0.042 (8/16/2017) | ND<0.025 U (6/26/2014) | (0.042 - 0.025)/(19 - 6) | 0.00130769 |
| 0.088 (10/25/2017) | ND<0.025 U (6/26/2014) | (0.088 - 0.025)/(20 - 6) | 0.0045 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(21 - 6) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(22 - 6) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (6/26/2014) | (0.055 - 0.025)/(23 - 6) | 0.00176471 |
| 0.038 (12/10/2018) | ND<0.025 U (6/26/2014) | (0.038 - 0.025)/(24 - 6) | 0.000722222 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(25 - 6) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(28 - 6) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(29 - 6) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(30 - 6) | 0.000208333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(32 - 6) | 0.000192308 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(34 - 6) | 0.000178571 |
| 0.04 (9/2/2021) | ND<0.025 U (6/26/2014) | (0.04 - 0.025)/(35 - 6) | 0.000517241 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(36 - 6) | 0.000166667 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(37 - 6) | 0.00016129 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(38 - 6) | 0.00015625 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(41 - 6) | 0.000142857 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(42 - 6) | -0.000305556 |
| 0.036 (8/7/2023) | ND<0.025 U (6/26/2014) | (0.036 - 0.025)/(43 - 6) | 0.000297297 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(44 - 6) | -0.000289474 |
| 0.042 (1/10/2024) | ND<0.025 U (6/26/2014) | (0.042 - 0.025)/(45 - 6) | 0.000435897 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(46 - 6) | 0.000125 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(47 - 6) | -0.000268293 |

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|---|---|---|---|
| 0.079 (12/11/2024) | ND<0.025 U (6/26/2014) | (0.079 - 0.025)/(48 - 6) | 0.00128571 |
| 0.022 (2/18/2025) | ND<0.025 U (6/26/2014) | (0.022 - 0.025)/(49 - 6) | -6.97674e-05 |
| | | | |
| ND<0.025 U (9/30/2014) | 0.085 (9/19/2014) | (0.025 - 0.085)/(8 - 7) | -0.06 |
| 0.07 (3/23/2015) | 0.085 (9/19/2014) | (0.07 - 0.085)/(9 - 7) | -0.0075 |
| ND<0.025 U (4/22/2015) | 0.085 (9/19/2014) | (0.025 - 0.085)/(10 - 7) | -0.02 |
| ND<0.025 U (9/30/2015) | 0.085 (9/19/2014) | (0.025 - 0.085)/(11 - 7) | -0.015 |
| ND<0.025 U (11/19/2015) | 0.085 (9/19/2014) | (0.025 - 0.085)/(12 - 7) | -0.012 |
| ND<0.025 U (3/15/2016) | 0.085 (9/19/2014) | (0.025 - 0.085)/(13 - 7) | -0.01 |
| 0.037 (6/29/2016) | 0.085 (9/19/2014) | (0.037 - 0.085)/(14 - 7) | -0.00685714 |
| ND<0.025 U (8/9/2016) | 0.085 (9/19/2014) | (0.025 - 0.085)/(15 - 7) | -0.0075 |
| ND<0.025 U (12/7/2016) | 0.085 (9/19/2014) | (0.025 - 0.085)/(16 - 7) | -0.00666667 |
| ND<0.025 U (3/2/2017) | 0.085 (9/19/2014) | (0.025 - 0.085)/(17 - 7) | -0.006 |
| 0.041 (7/5/2017) | 0.085 (9/19/2014) | (0.041 - 0.085)/(18 - 7) | -0.004 |
| 0.042 (8/16/2017) | 0.085 (9/19/2014) | (0.042 - 0.085)/(19 - 7) | -0.00358333 |
| 0.088 (10/25/2017) | 0.085 (9/19/2014) | (0.088 - 0.085)/(20 - 7) | 0.000230769 |
| ND<0.025 U (3/28/2018) | 0.085 (9/19/2014) | (0.025 - 0.085)/(21 - 7) | -0.00428571 |
| ND<0.025 U (6/29/2018) | 0.085 (9/19/2014) | (0.025 - 0.085)/(22 - 7) | -0.004 |
| 0.055 (8/2/2018) | 0.085 (9/19/2014) | (0.055 - 0.085)/(23 - 7) | -0.001875 |
| 0.038 (12/10/2018) | 0.085 (9/19/2014) | (0.038 - 0.085)/(24 - 7) | -0.00276471 |
| ND<0.025 U (4/15/2019) | 0.085 (9/19/2014) | (0.025 - 0.085)/(25 - 7) | -0.00333333 |
| ND<0.025 U (6/12/2019) | 0.085 (9/19/2014) | (0.025 - 0.085)/(26 - 7) | -0.00315789 |
| ND<0.025 U (8/27/2019) | 0.085 (9/19/2014) | (0.025 - 0.085)/(27 - 7) | -0.003 |
| ND<0.025 U (10/29/2019) | 0.085 (9/19/2014) | (0.025 - 0.085)/(28 - 7) | -0.00285714 |
| ND<0.025 U (3/30/2020) | 0.085 (9/19/2014) | (0.025 - 0.085)/(29 - 7) | -0.00272727 |
| ND<0.03 U (6/16/2020) | 0.085 (9/19/2014) | (0.03 - 0.085)/(30 - 7) | -0.0023913 |
| ND<0.03 U (9/21/2020) | 0.085 (9/19/2014) | (0.03 - 0.085)/(31 - 7) | -0.00229167 |
| ND<0.03 U (12/17/2020) | 0.085 (9/19/2014) | (0.03 - 0.085)/(32 - 7) | -0.0022 |
| ND<0.03 U (3/18/2021) | 0.085 (9/19/2014) | (0.03 - 0.085)/(33 - 7) | -0.00211538 |
| ND<0.03 U (5/5/2021) | 0.085 (9/19/2014) | (0.03 - 0.085)/(34 - 7) | -0.00203704 |
| 0.04 (9/2/2021) | 0.085 (9/19/2014) | (0.04 - 0.085)/(35 - 7) | -0.00160714 |
| ND<0.03 U (11/23/2021) | 0.085 (9/19/2014) | (0.03 - 0.085)/(36 - 7) | -0.00189655 |
| ND<0.03 U (1/11/2022) | 0.085 (9/19/2014) | (0.03 - 0.085)/(37 - 7) | -0.00183333 |
| ND<0.03 U (4/7/2022) | 0.085 (9/19/2014) | (0.03 - 0.085)/(38 - 7) | -0.00177419 |
| ND<0.03 U (8/2/2022) | 0.085 (9/19/2014) | (0.03 - 0.085)/(39 - 7) | -0.00171875 |
| ND<0.03 U (11/16/2022) | 0.085 (9/19/2014) | (0.03 - 0.085)/(40 - 7) | -0.00166667 |
| ND<0.03 U (2/14/2023) | 0.085 (9/19/2014) | (0.03 - 0.085)/(41 - 7) | -0.00161765 |
| ND<0.014 U (5/25/2023) | 0.085 (9/19/2014) | (0.014 - 0.085)/(42 - 7) | -0.00202857 |
| 0.036 (8/7/2023) | 0.085 (9/19/2014) | (0.036 - 0.085)/(43 - 7) | -0.00136111 |
| ND<0.014 U (12/12/2023) | 0.085 (9/19/2014) | (0.014 - 0.085)/(44 - 7) | -0.00191892 |
| 0.042 (1/10/2024) | 0.085 (9/19/2014) | (0.042 - 0.085)/(45 - 7) | -0.00113158 |
| ND<0.03 U (5/21/2024) | 0.085 (9/19/2014) | (0.03 - 0.085)/(46 - 7) | -0.00141026 |
| ND<0.014 U (9/16/2024) | 0.085 (9/19/2014) | (0.014 - 0.085)/(47 - 7) | -0.001775 |
| 0.079 (12/11/2024) | 0.085 (9/19/2014) | (0.079 - 0.085)/(48 - 7) | -0.000146341 |
| 0.022 (2/18/2025) | 0.085 (9/19/2014) | (0.022 - 0.085)/(49 - 7) | -0.0015 |
| | | | |
| 0.07 (3/23/2015) | ND<0.025 U (9/30/2014) | (0.07 - 0.025)/(9 - 8) | 0.045 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 8) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 8) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(12 - 8) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(13 - 8) | 0 |
| 0.037 (6/29/2016) | ND<0.025 U (9/30/2014) | (0.037 - 0.025)/(14 - 8) | 0.002 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 8) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 8) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 8) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (9/30/2014) | (0.041 - 0.025)/(18 - 8) | 0.0016 |
| 0.042 (8/16/2017) | ND<0.025 U (9/30/2014) | (0.042 - 0.025)/(19 - 8) | 0.00154545 |

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|---|---|---|---|
| 0.088 (10/25/2017) | ND<0.025 U (9/30/2014) | (0.088 - 0.025)/(20 - 8) | 0.00525 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 8) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 8) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (9/30/2014) | (0.055 - 0.025)/(23 - 8) | 0.002 |
| 0.038 (12/10/2018) | ND<0.025 U (9/30/2014) | (0.038 - 0.025)/(24 - 8) | 0.0008125 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 8) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 8) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 8) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(28 - 8) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(29 - 8) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 8) | 0.000227273 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 8) | 0.000217391 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 8) | 0.000208333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 8) | 0.0002 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 8) | 0.000192308 |
| 0.04 (9/2/2021) | ND<0.025 U (9/30/2014) | (0.04 - 0.025)/(35 - 8) | 0.000555556 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 8) | 0.000178571 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 8) | 0.000172414 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(38 - 8) | 0.000166667 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 8) | 0.00016129 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 8) | 0.00015625 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(41 - 8) | 0.000151515 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(42 - 8) | -0.000323529 |
| 0.036 (8/7/2023) | ND<0.025 U (9/30/2014) | (0.036 - 0.025)/(43 - 8) | 0.000314286 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(44 - 8) | -0.000305556 |
| 0.042 (1/10/2024) | ND<0.025 U (9/30/2014) | (0.042 - 0.025)/(45 - 8) | 0.000459459 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(46 - 8) | 0.000131579 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(47 - 8) | -0.000282051 |
| 0.079 (12/11/2024) | ND<0.025 U (9/30/2014) | (0.079 - 0.025)/(48 - 8) | 0.00135 |
| 0.022 (2/18/2025) | ND<0.025 U (9/30/2014) | (0.022 - 0.025)/(49 - 8) | -7.31707e-05 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | 0.07 (3/23/2015) | (0.025 - 0.07)/(10 - 9) | -0.045 |
| ND<0.025 U (9/30/2015) | 0.07 (3/23/2015) | (0.025 - 0.07)/(11 - 9) | -0.0225 |
| ND<0.025 U (11/19/2015) | 0.07 (3/23/2015) | (0.025 - 0.07)/(12 - 9) | -0.015 |
| ND<0.025 U (3/15/2016) | 0.07 (3/23/2015) | (0.025 - 0.07)/(13 - 9) | -0.01125 |
| 0.037 (6/29/2016) | 0.07 (3/23/2015) | (0.037 - 0.07)/(14 - 9) | -0.0066 |
| ND<0.025 U (8/9/2016) | 0.07 (3/23/2015) | (0.025 - 0.07)/(15 - 9) | -0.0075 |
| ND<0.025 U (12/7/2016) | 0.07 (3/23/2015) | (0.025 - 0.07)/(16 - 9) | -0.00642857 |
| ND<0.025 U (3/2/2017) | 0.07 (3/23/2015) | (0.025 - 0.07)/(17 - 9) | -0.005625 |
| 0.041 (7/5/2017) | 0.07 (3/23/2015) | (0.041 - 0.07)/(18 - 9) | -0.00322222 |
| 0.042 (8/16/2017) | 0.07 (3/23/2015) | (0.042 - 0.07)/(19 - 9) | -0.0028 |
| 0.088 (10/25/2017) | 0.07 (3/23/2015) | (0.088 - 0.07)/(20 - 9) | 0.00163636 |
| ND<0.025 U (3/28/2018) | 0.07 (3/23/2015) | (0.025 - 0.07)/(21 - 9) | -0.00375 |
| ND<0.025 U (6/29/2018) | 0.07 (3/23/2015) | (0.025 - 0.07)/(22 - 9) | -0.00346154 |
| 0.055 (8/2/2018) | 0.07 (3/23/2015) | (0.055 - 0.07)/(23 - 9) | -0.00107143 |
| 0.038 (12/10/2018) | 0.07 (3/23/2015) | (0.038 - 0.07)/(24 - 9) | -0.00213333 |
| ND<0.025 U (4/15/2019) | 0.07 (3/23/2015) | (0.025 - 0.07)/(25 - 9) | -0.0028125 |
| ND<0.025 U (6/12/2019) | 0.07 (3/23/2015) | (0.025 - 0.07)/(26 - 9) | -0.00264706 |
| ND<0.025 U (8/27/2019) | 0.07 (3/23/2015) | (0.025 - 0.07)/(27 - 9) | -0.0025 |
| ND<0.025 U (10/29/2019) | 0.07 (3/23/2015) | (0.025 - 0.07)/(28 - 9) | -0.00236842 |
| ND<0.025 U (3/30/2020) | 0.07 (3/23/2015) | (0.025 - 0.07)/(29 - 9) | -0.00225 |
| ND<0.03 U (6/16/2020) | 0.07 (3/23/2015) | (0.03 - 0.07)/(30 - 9) | -0.00190476 |
| ND<0.03 U (9/21/2020) | 0.07 (3/23/2015) | (0.03 - 0.07)/(31 - 9) | -0.00181818 |
| ND<0.03 U (12/17/2020) | 0.07 (3/23/2015) | (0.03 - 0.07)/(32 - 9) | -0.00173913 |
| ND<0.03 U (3/18/2021) | 0.07 (3/23/2015) | (0.03 - 0.07)/(33 - 9) | -0.00166667 |
| ND<0.03 U (5/5/2021) | 0.07 (3/23/2015) | (0.03 - 0.07)/(34 - 9) | -0.0016 |
| 0.04 (9/2/2021) | 0.07 (3/23/2015) | (0.04 - 0.07)/(35 - 9) | -0.00115385 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | 0.07 (3/23/2015) | (0.03 - 0.07)/(36 - 9) | -0.00148148 |
| ND<0.03 U (1/11/2022) | 0.07 (3/23/2015) | (0.03 - 0.07)/(37 - 9) | -0.00142857 |
| ND<0.03 U (4/7/2022) | 0.07 (3/23/2015) | (0.03 - 0.07)/(38 - 9) | -0.00137931 |
| ND<0.03 U (8/2/2022) | 0.07 (3/23/2015) | (0.03 - 0.07)/(39 - 9) | -0.00133333 |
| ND<0.03 U (11/16/2022) | 0.07 (3/23/2015) | (0.03 - 0.07)/(40 - 9) | -0.00129032 |
| ND<0.03 U (2/14/2023) | 0.07 (3/23/2015) | (0.03 - 0.07)/(41 - 9) | -0.00125 |
| ND<0.014 U (5/25/2023) | 0.07 (3/23/2015) | (0.014 - 0.07)/(42 - 9) | -0.00169697 |
| 0.036 (8/7/2023) | 0.07 (3/23/2015) | (0.036 - 0.07)/(43 - 9) | -0.001 |
| ND<0.014 U (12/12/2023) | 0.07 (3/23/2015) | (0.014 - 0.07)/(44 - 9) | -0.0016 |
| 0.042 (1/10/2024) | 0.07 (3/23/2015) | (0.042 - 0.07)/(45 - 9) | -0.000777778 |
| ND<0.03 U (5/21/2024) | 0.07 (3/23/2015) | (0.03 - 0.07)/(46 - 9) | -0.00108108 |
| ND<0.014 U (9/16/2024) | 0.07 (3/23/2015) | (0.014 - 0.07)/(47 - 9) | -0.00147368 |
| 0.079 (12/11/2024) | 0.07 (3/23/2015) | (0.079 - 0.07)/(48 - 9) | 0.000230769 |
| 0.022 (2/18/2025) | 0.07 (3/23/2015) | (0.022 - 0.07)/(49 - 9) | -0.0012 |
| | | | |
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(12 - 10) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(13 - 10) | 0 |
| 0.037 (6/29/2016) | ND<0.025 U (4/22/2015) | (0.037 - 0.025)/(14 - 10) | 0.003 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (4/22/2015) | (0.041 - 0.025)/(18 - 10) | 0.002 |
| 0.042 (8/16/2017) | ND<0.025 U (4/22/2015) | (0.042 - 0.025)/(19 - 10) | 0.00188889 |
| 0.088 (10/25/2017) | ND<0.025 U (4/22/2015) | (0.088 - 0.025)/(20 - 10) | 0.0063 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (4/22/2015) | (0.055 - 0.025)/(23 - 10) | 0.00230769 |
| 0.038 (12/10/2018) | ND<0.025 U (4/22/2015) | (0.038 - 0.025)/(24 - 10) | 0.000928571 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(28 - 10) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(29 - 10) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| 0.04 (9/2/2021) | ND<0.025 U (4/22/2015) | (0.04 - 0.025)/(35 - 10) | 0.0006 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(38 - 10) | 0.000178571 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(41 - 10) | 0.00016129 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(42 - 10) | -0.00034375 |
| 0.036 (8/7/2023) | ND<0.025 U (4/22/2015) | (0.036 - 0.025)/(43 - 10) | 0.000333333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(44 - 10) | -0.000323529 |
| 0.042 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.042 - 0.025)/(45 - 10) | 0.000485714 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(46 - 10) | 0.000138889 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(47 - 10) | -0.000297297 |
| 0.079 (12/11/2024) | ND<0.025 U (4/22/2015) | (0.079 - 0.025)/(48 - 10) | 0.00142105 |
| 0.022 (2/18/2025) | ND<0.025 U (4/22/2015) | (0.022 - 0.025)/(49 - 10) | -7.69231e-05 |
| | | | |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(12 - 11) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(13 - 11) | 0 |

| | | | |
|---|---|---|---|
| 0.037 (6/29/2016) | ND<0.025 U (9/30/2015) | (0.037 - 0.025)/(14 - 11) | 0.004 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (9/30/2015) | (0.041 - 0.025)/(18 - 11) | 0.00228571 |
| 0.042 (8/16/2017) | ND<0.025 U (9/30/2015) | (0.042 - 0.025)/(19 - 11) | 0.002125 |
| 0.088 (10/25/2017) | ND<0.025 U (9/30/2015) | (0.088 - 0.025)/(20 - 11) | 0.007 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (9/30/2015) | (0.055 - 0.025)/(23 - 11) | 0.0025 |
| 0.038 (12/10/2018) | ND<0.025 U (9/30/2015) | (0.038 - 0.025)/(24 - 11) | 0.001 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(28 - 11) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(29 - 11) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| 0.04 (9/2/2021) | ND<0.025 U (9/30/2015) | (0.04 - 0.025)/(35 - 11) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(38 - 11) | 0.000185185 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(41 - 11) | 0.000166667 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(42 - 11) | -0.000354839 |
| 0.036 (8/7/2023) | ND<0.025 U (9/30/2015) | (0.036 - 0.025)/(43 - 11) | 0.00034375 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(44 - 11) | -0.000333333 |
| 0.042 (1/10/2024) | ND<0.025 U (9/30/2015) | (0.042 - 0.025)/(45 - 11) | 0.0005 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(46 - 11) | 0.000142857 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(47 - 11) | -0.000305556 |
| 0.079 (12/11/2024) | ND<0.025 U (9/30/2015) | (0.079 - 0.025)/(48 - 11) | 0.00145946 |
| 0.022 (2/18/2025) | ND<0.025 U (9/30/2015) | (0.022 - 0.025)/(49 - 11) | -7.89474e-05 |
| | | | |
| ND<0.025 U (3/15/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(13 - 12) | 0 |
| 0.037 (6/29/2016) | ND<0.025 U (11/19/2015) | (0.037 - 0.025)/(14 - 12) | 0.006 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(15 - 12) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(16 - 12) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(17 - 12) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (11/19/2015) | (0.041 - 0.025)/(18 - 12) | 0.00266667 |
| 0.042 (8/16/2017) | ND<0.025 U (11/19/2015) | (0.042 - 0.025)/(19 - 12) | 0.00242857 |
| 0.088 (10/25/2017) | ND<0.025 U (11/19/2015) | (0.088 - 0.025)/(20 - 12) | 0.007875 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(21 - 12) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(22 - 12) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (11/19/2015) | (0.055 - 0.025)/(23 - 12) | 0.00272727 |
| 0.038 (12/10/2018) | ND<0.025 U (11/19/2015) | (0.038 - 0.025)/(24 - 12) | 0.00108333 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(25 - 12) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(26 - 12) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(27 - 12) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(28 - 12) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(29 - 12) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(30 - 12) | 0.000277778 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(31 - 12) | 0.000263158 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(32 - 12) | 0.00025 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(33 - 12) | 0.000238095 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(34 - 12) | 0.000227273 |
| 0.04 (9/2/2021) | ND<0.025 U (11/19/2015) | (0.04 - 0.025)/(35 - 12) | 0.000652174 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(36 - 12) | 0.000208333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(37 - 12) | 0.0002 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(38 - 12) | 0.000192308 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(39 - 12) | 0.000185185 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(40 - 12) | 0.000178571 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(41 - 12) | 0.000172414 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(42 - 12) | -0.000366667 |
| 0.036 (8/7/2023) | ND<0.025 U (11/19/2015) | (0.036 - 0.025)/(43 - 12) | 0.000354839 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(44 - 12) | -0.00034375 |
| 0.042 (1/10/2024) | ND<0.025 U (11/19/2015) | (0.042 - 0.025)/(45 - 12) | 0.000515152 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(46 - 12) | 0.000147059 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(47 - 12) | -0.000314286 |
| 0.079 (12/11/2024) | ND<0.025 U (11/19/2015) | (0.079 - 0.025)/(48 - 12) | 0.0015 |
| 0.022 (2/18/2025) | ND<0.025 U (11/19/2015) | (0.022 - 0.025)/(49 - 12) | -8.10811e-05 |
| | | | |
| 0.037 (6/29/2016) | ND<0.025 U (3/15/2016) | (0.037 - 0.025)/(14 - 13) | 0.012 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(15 - 13) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(16 - 13) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(17 - 13) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (3/15/2016) | (0.041 - 0.025)/(18 - 13) | 0.0032 |
| 0.042 (8/16/2017) | ND<0.025 U (3/15/2016) | (0.042 - 0.025)/(19 - 13) | 0.00283333 |
| 0.088 (10/25/2017) | ND<0.025 U (3/15/2016) | (0.088 - 0.025)/(20 - 13) | 0.009 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(21 - 13) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(22 - 13) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (3/15/2016) | (0.055 - 0.025)/(23 - 13) | 0.003 |
| 0.038 (12/10/2018) | ND<0.025 U (3/15/2016) | (0.038 - 0.025)/(24 - 13) | 0.00118182 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(25 - 13) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(26 - 13) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(27 - 13) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(28 - 13) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(29 - 13) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(30 - 13) | 0.000294118 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(31 - 13) | 0.000277778 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(32 - 13) | 0.000263158 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(33 - 13) | 0.00025 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(34 - 13) | 0.000238095 |
| 0.04 (9/2/2021) | ND<0.025 U (3/15/2016) | (0.04 - 0.025)/(35 - 13) | 0.000681818 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(36 - 13) | 0.000217391 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(37 - 13) | 0.000208333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(38 - 13) | 0.0002 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(39 - 13) | 0.000192308 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(40 - 13) | 0.000185185 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(41 - 13) | 0.000178571 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(42 - 13) | -0.00037931 |
| 0.036 (8/7/2023) | ND<0.025 U (3/15/2016) | (0.036 - 0.025)/(43 - 13) | 0.000366667 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(44 - 13) | -0.000354839 |
| 0.042 (1/10/2024) | ND<0.025 U (3/15/2016) | (0.042 - 0.025)/(45 - 13) | 0.00053125 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(46 - 13) | 0.000151515 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(47 - 13) | -0.000323529 |
| 0.079 (12/11/2024) | ND<0.025 U (3/15/2016) | (0.079 - 0.025)/(48 - 13) | 0.00154286 |
| 0.022 (2/18/2025) | ND<0.025 U (3/15/2016) | (0.022 - 0.025)/(49 - 13) | -8.33333e-05 |
| | | | |
| ND<0.025 U (8/9/2016) | 0.037 (6/29/2016) | (0.025 - 0.037)/(15 - 14) | -0.012 |
| ND<0.025 U (12/7/2016) | 0.037 (6/29/2016) | (0.025 - 0.037)/(16 - 14) | -0.006 |

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|---|---|---|---|
| ND<0.025 U (3/2/2017) | 0.037 (6/29/2016) | (0.025 - 0.037)/(17 - 14) | -0.004 |
| 0.041 (7/5/2017) | 0.037 (6/29/2016) | (0.041 - 0.037)/(18 - 14) | 0.001 |
| 0.042 (8/16/2017) | 0.037 (6/29/2016) | (0.042 - 0.037)/(19 - 14) | 0.001 |
| 0.088 (10/25/2017) | 0.037 (6/29/2016) | (0.088 - 0.037)/(20 - 14) | 0.0085 |
| ND<0.025 U (3/28/2018) | 0.037 (6/29/2016) | (0.025 - 0.037)/(21 - 14) | -0.00171429 |
| ND<0.025 U (6/29/2018) | 0.037 (6/29/2016) | (0.025 - 0.037)/(22 - 14) | -0.0015 |
| 0.055 (8/2/2018) | 0.037 (6/29/2016) | (0.055 - 0.037)/(23 - 14) | 0.002 |
| 0.038 (12/10/2018) | 0.037 (6/29/2016) | (0.038 - 0.037)/(24 - 14) | 0.0001 |
| ND<0.025 U (4/15/2019) | 0.037 (6/29/2016) | (0.025 - 0.037)/(25 - 14) | -0.00109091 |
| ND<0.025 U (6/12/2019) | 0.037 (6/29/2016) | (0.025 - 0.037)/(26 - 14) | -0.001 |
| ND<0.025 U (8/27/2019) | 0.037 (6/29/2016) | (0.025 - 0.037)/(27 - 14) | -0.000923077 |
| ND<0.025 U (10/29/2019) | 0.037 (6/29/2016) | (0.025 - 0.037)/(28 - 14) | -0.000857143 |
| ND<0.025 U (3/30/2020) | 0.037 (6/29/2016) | (0.025 - 0.037)/(29 - 14) | -0.0008 |
| ND<0.03 U (6/16/2020) | 0.037 (6/29/2016) | (0.03 - 0.037)/(30 - 14) | -0.0004375 |
| ND<0.03 U (9/21/2020) | 0.037 (6/29/2016) | (0.03 - 0.037)/(31 - 14) | -0.000411765 |
| ND<0.03 U (12/17/2020) | 0.037 (6/29/2016) | (0.03 - 0.037)/(32 - 14) | -0.000388889 |
| ND<0.03 U (3/18/2021) | 0.037 (6/29/2016) | (0.03 - 0.037)/(33 - 14) | -0.000368421 |
| ND<0.03 U (5/5/2021) | 0.037 (6/29/2016) | (0.03 - 0.037)/(34 - 14) | -0.00035 |
| 0.04 (9/2/2021) | 0.037 (6/29/2016) | (0.04 - 0.037)/(35 - 14) | 0.000142857 |
| ND<0.03 U (11/23/2021) | 0.037 (6/29/2016) | (0.03 - 0.037)/(36 - 14) | -0.000318182 |
| ND<0.03 U (1/11/2022) | 0.037 (6/29/2016) | (0.03 - 0.037)/(37 - 14) | -0.000304348 |
| ND<0.03 U (4/7/2022) | 0.037 (6/29/2016) | (0.03 - 0.037)/(38 - 14) | -0.000291667 |
| ND<0.03 U (8/2/2022) | 0.037 (6/29/2016) | (0.03 - 0.037)/(39 - 14) | -0.00028 |
| ND<0.03 U (11/16/2022) | 0.037 (6/29/2016) | (0.03 - 0.037)/(40 - 14) | -0.000269231 |
| ND<0.03 U (2/14/2023) | 0.037 (6/29/2016) | (0.03 - 0.037)/(41 - 14) | -0.000259259 |
| ND<0.014 U (5/25/2023) | 0.037 (6/29/2016) | (0.014 - 0.037)/(42 - 14) | -0.000821429 |
| 0.036 (8/7/2023) | 0.037 (6/29/2016) | (0.036 - 0.037)/(43 - 14) | -3.44828e-05 |
| ND<0.014 U (12/12/2023) | 0.037 (6/29/2016) | (0.014 - 0.037)/(44 - 14) | -0.000766667 |
| 0.042 (1/10/2024) | 0.037 (6/29/2016) | (0.042 - 0.037)/(45 - 14) | 0.00016129 |
| ND<0.03 U (5/21/2024) | 0.037 (6/29/2016) | (0.03 - 0.037)/(46 - 14) | -0.00021875 |
| ND<0.014 U (9/16/2024) | 0.037 (6/29/2016) | (0.014 - 0.037)/(47 - 14) | -0.00069697 |
| 0.079 (12/11/2024) | 0.037 (6/29/2016) | (0.079 - 0.037)/(48 - 14) | 0.00123529 |
| 0.022 (2/18/2025) | 0.037 (6/29/2016) | (0.022 - 0.037)/(49 - 14) | -0.000428571 |

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|---|---|---|---|
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (8/9/2016) | (0.041 - 0.025)/(18 - 15) | 0.00533333 |
| 0.042 (8/16/2017) | ND<0.025 U (8/9/2016) | (0.042 - 0.025)/(19 - 15) | 0.00425 |
| 0.088 (10/25/2017) | ND<0.025 U (8/9/2016) | (0.088 - 0.025)/(20 - 15) | 0.0126 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (8/9/2016) | (0.055 - 0.025)/(23 - 15) | 0.00375 |
| 0.038 (12/10/2018) | ND<0.025 U (8/9/2016) | (0.038 - 0.025)/(24 - 15) | 0.00144444 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(28 - 15) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(29 - 15) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| 0.04 (9/2/2021) | ND<0.025 U (8/9/2016) | (0.04 - 0.025)/(35 - 15) | 0.00075 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(38 - 15) | 0.000217391 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(41 - 15) | 0.000192308 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(42 - 15) | -0.000407407 |
| 0.036 (8/7/2023) | ND<0.025 U (8/9/2016) | (0.036 - 0.025)/(43 - 15) | 0.000392857 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(44 - 15) | -0.00037931 |
| 0.042 (1/10/2024) | ND<0.025 U (8/9/2016) | (0.042 - 0.025)/(45 - 15) | 0.000566667 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(46 - 15) | 0.00016129 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(47 - 15) | -0.00034375 |
| 0.079 (12/11/2024) | ND<0.025 U (8/9/2016) | (0.079 - 0.025)/(48 - 15) | 0.00163636 |
| 0.022 (2/18/2025) | ND<0.025 U (8/9/2016) | (0.022 - 0.025)/(49 - 15) | -8.82353e-05 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| 0.041 (7/5/2017) | ND<0.025 U (12/7/2016) | (0.041 - 0.025)/(18 - 16) | 0.008 |
| 0.042 (8/16/2017) | ND<0.025 U (12/7/2016) | (0.042 - 0.025)/(19 - 16) | 0.00566667 |
| 0.088 (10/25/2017) | ND<0.025 U (12/7/2016) | (0.088 - 0.025)/(20 - 16) | 0.01575 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (12/7/2016) | (0.055 - 0.025)/(23 - 16) | 0.00428571 |
| 0.038 (12/10/2018) | ND<0.025 U (12/7/2016) | (0.038 - 0.025)/(24 - 16) | 0.001625 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(28 - 16) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(29 - 16) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| 0.04 (9/2/2021) | ND<0.025 U (12/7/2016) | (0.04 - 0.025)/(35 - 16) | 0.000789474 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(38 - 16) | 0.000227273 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(41 - 16) | 0.0002 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(42 - 16) | -0.000423077 |
| 0.036 (8/7/2023) | ND<0.025 U (12/7/2016) | (0.036 - 0.025)/(43 - 16) | 0.000407407 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(44 - 16) | -0.000392857 |
| 0.042 (1/10/2024) | ND<0.025 U (12/7/2016) | (0.042 - 0.025)/(45 - 16) | 0.000586207 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(46 - 16) | 0.000166667 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(47 - 16) | -0.000354839 |
| 0.079 (12/11/2024) | ND<0.025 U (12/7/2016) | (0.079 - 0.025)/(48 - 16) | 0.0016875 |
| 0.022 (2/18/2025) | ND<0.025 U (12/7/2016) | (0.022 - 0.025)/(49 - 16) | -9.09091e-05 |
| | | | |
| 0.041 (7/5/2017) | ND<0.025 U (3/2/2017) | (0.041 - 0.025)/(18 - 17) | 0.016 |
| 0.042 (8/16/2017) | ND<0.025 U (3/2/2017) | (0.042 - 0.025)/(19 - 17) | 0.0085 |
| 0.088 (10/25/2017) | ND<0.025 U (3/2/2017) | (0.088 - 0.025)/(20 - 17) | 0.021 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (3/2/2017) | (0.055 - 0.025)/(23 - 17) | 0.005 |
| 0.038 (12/10/2018) | ND<0.025 U (3/2/2017) | (0.038 - 0.025)/(24 - 17) | 0.00185714 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(28 - 17) | 0 |

| | | | |
|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(29 - 17) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| 0.04 (9/2/2021) | ND<0.025 U (3/2/2017) | (0.04 - 0.025)/(35 - 17) | 0.000833333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(38 - 17) | 0.000238095 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(41 - 17) | 0.000208333 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(42 - 17) | -0.00044 |
| 0.036 (8/7/2023) | ND<0.025 U (3/2/2017) | (0.036 - 0.025)/(43 - 17) | 0.000423077 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(44 - 17) | -0.000407407 |
| 0.042 (1/10/2024) | ND<0.025 U (3/2/2017) | (0.042 - 0.025)/(45 - 17) | 0.000607143 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(46 - 17) | 0.000172414 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(47 - 17) | -0.000366667 |
| 0.079 (12/11/2024) | ND<0.025 U (3/2/2017) | (0.079 - 0.025)/(48 - 17) | 0.00174194 |
| 0.022 (2/18/2025) | ND<0.025 U (3/2/2017) | (0.022 - 0.025)/(49 - 17) | -9.375e-05 |
| | | | |
| 0.042 (8/16/2017) | 0.041 (7/5/2017) | (0.042 - 0.041)/(19 - 18) | 0.001 |
| 0.088 (10/25/2017) | 0.041 (7/5/2017) | (0.088 - 0.041)/(20 - 18) | 0.0235 |
| ND<0.025 U (3/28/2018) | 0.041 (7/5/2017) | (0.025 - 0.041)/(21 - 18) | -0.00533333 |
| ND<0.025 U (6/29/2018) | 0.041 (7/5/2017) | (0.025 - 0.041)/(22 - 18) | -0.004 |
| 0.055 (8/2/2018) | 0.041 (7/5/2017) | (0.055 - 0.041)/(23 - 18) | 0.0028 |
| 0.038 (12/10/2018) | 0.041 (7/5/2017) | (0.038 - 0.041)/(24 - 18) | -0.0005 |
| ND<0.025 U (4/15/2019) | 0.041 (7/5/2017) | (0.025 - 0.041)/(25 - 18) | -0.00228571 |
| ND<0.025 U (6/12/2019) | 0.041 (7/5/2017) | (0.025 - 0.041)/(26 - 18) | -0.002 |
| ND<0.025 U (8/27/2019) | 0.041 (7/5/2017) | (0.025 - 0.041)/(27 - 18) | -0.00177778 |
| ND<0.025 U (10/29/2019) | 0.041 (7/5/2017) | (0.025 - 0.041)/(28 - 18) | -0.0016 |
| ND<0.025 U (3/30/2020) | 0.041 (7/5/2017) | (0.025 - 0.041)/(29 - 18) | -0.00145455 |
| ND<0.03 U (6/16/2020) | 0.041 (7/5/2017) | (0.03 - 0.041)/(30 - 18) | -0.000916667 |
| ND<0.03 U (9/21/2020) | 0.041 (7/5/2017) | (0.03 - 0.041)/(31 - 18) | -0.000846154 |
| ND<0.03 U (12/17/2020) | 0.041 (7/5/2017) | (0.03 - 0.041)/(32 - 18) | -0.000785714 |
| ND<0.03 U (3/18/2021) | 0.041 (7/5/2017) | (0.03 - 0.041)/(33 - 18) | -0.000733333 |
| ND<0.03 U (5/5/2021) | 0.041 (7/5/2017) | (0.03 - 0.041)/(34 - 18) | -0.0006875 |
| 0.04 (9/2/2021) | 0.041 (7/5/2017) | (0.04 - 0.041)/(35 - 18) | -5.88235e-05 |
| ND<0.03 U (11/23/2021) | 0.041 (7/5/2017) | (0.03 - 0.041)/(36 - 18) | -0.000611111 |
| ND<0.03 U (1/11/2022) | 0.041 (7/5/2017) | (0.03 - 0.041)/(37 - 18) | -0.000578947 |
| ND<0.03 U (4/7/2022) | 0.041 (7/5/2017) | (0.03 - 0.041)/(38 - 18) | -0.00055 |
| ND<0.03 U (8/2/2022) | 0.041 (7/5/2017) | (0.03 - 0.041)/(39 - 18) | -0.00052381 |
| ND<0.03 U (11/16/2022) | 0.041 (7/5/2017) | (0.03 - 0.041)/(40 - 18) | -0.0005 |
| ND<0.03 U (2/14/2023) | 0.041 (7/5/2017) | (0.03 - 0.041)/(41 - 18) | -0.000478261 |
| ND<0.014 U (5/25/2023) | 0.041 (7/5/2017) | (0.014 - 0.041)/(42 - 18) | -0.001125 |
| 0.036 (8/7/2023) | 0.041 (7/5/2017) | (0.036 - 0.041)/(43 - 18) | -0.0002 |
| ND<0.014 U (12/12/2023) | 0.041 (7/5/2017) | (0.014 - 0.041)/(44 - 18) | -0.00103846 |
| 0.042 (1/10/2024) | 0.041 (7/5/2017) | (0.042 - 0.041)/(45 - 18) | 3.7037e-05 |
| ND<0.03 U (5/21/2024) | 0.041 (7/5/2017) | (0.03 - 0.041)/(46 - 18) | -0.000392857 |
| ND<0.014 U (9/16/2024) | 0.041 (7/5/2017) | (0.014 - 0.041)/(47 - 18) | -0.000931034 |
| 0.079 (12/11/2024) | 0.041 (7/5/2017) | (0.079 - 0.041)/(48 - 18) | 0.00126667 |
| 0.022 (2/18/2025) | 0.041 (7/5/2017) | (0.022 - 0.041)/(49 - 18) | -0.000612903 |
| | | | |
| 0.088 (10/25/2017) | 0.042 (8/16/2017) | (0.088 - 0.042)/(20 - 19) | 0.046 |
| ND<0.025 U (3/28/2018) | 0.042 (8/16/2017) | (0.025 - 0.042)/(21 - 19) | -0.0085 |
| ND<0.025 U (6/29/2018) | 0.042 (8/16/2017) | (0.025 - 0.042)/(22 - 19) | -0.00566667 |

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|---|---|---|---|
| 0.055 (8/2/2018) | 0.042 (8/16/2017) | (0.055 - 0.042)/(23 - 19) | 0.00325 |
| 0.038 (12/10/2018) | 0.042 (8/16/2017) | (0.038 - 0.042)/(24 - 19) | -0.0008 |
| ND<0.025 U (4/15/2019) | 0.042 (8/16/2017) | (0.025 - 0.042)/(25 - 19) | -0.00283333 |
| ND<0.025 U (6/12/2019) | 0.042 (8/16/2017) | (0.025 - 0.042)/(26 - 19) | -0.00242857 |
| ND<0.025 U (8/27/2019) | 0.042 (8/16/2017) | (0.025 - 0.042)/(27 - 19) | -0.002125 |
| ND<0.025 U (10/29/2019) | 0.042 (8/16/2017) | (0.025 - 0.042)/(28 - 19) | -0.00188889 |
| ND<0.025 U (3/30/2020) | 0.042 (8/16/2017) | (0.025 - 0.042)/(29 - 19) | -0.0017 |
| ND<0.03 U (6/16/2020) | 0.042 (8/16/2017) | (0.03 - 0.042)/(30 - 19) | -0.00109091 |
| ND<0.03 U (9/21/2020) | 0.042 (8/16/2017) | (0.03 - 0.042)/(31 - 19) | -0.001 |
| ND<0.03 U (12/17/2020) | 0.042 (8/16/2017) | (0.03 - 0.042)/(32 - 19) | -0.000923077 |
| ND<0.03 U (3/18/2021) | 0.042 (8/16/2017) | (0.03 - 0.042)/(33 - 19) | -0.000857143 |
| ND<0.03 U (5/5/2021) | 0.042 (8/16/2017) | (0.03 - 0.042)/(34 - 19) | -0.0008 |
| 0.04 (9/2/2021) | 0.042 (8/16/2017) | (0.04 - 0.042)/(35 - 19) | -0.000125 |
| ND<0.03 U (11/23/2021) | 0.042 (8/16/2017) | (0.03 - 0.042)/(36 - 19) | -0.000705882 |
| ND<0.03 U (1/11/2022) | 0.042 (8/16/2017) | (0.03 - 0.042)/(37 - 19) | -0.000666667 |
| ND<0.03 U (4/7/2022) | 0.042 (8/16/2017) | (0.03 - 0.042)/(38 - 19) | -0.000631579 |
| ND<0.03 U (8/2/2022) | 0.042 (8/16/2017) | (0.03 - 0.042)/(39 - 19) | -0.0006 |
| ND<0.03 U (11/16/2022) | 0.042 (8/16/2017) | (0.03 - 0.042)/(40 - 19) | -0.000571429 |
| ND<0.03 U (2/14/2023) | 0.042 (8/16/2017) | (0.03 - 0.042)/(41 - 19) | -0.000545455 |
| ND<0.014 U (5/25/2023) | 0.042 (8/16/2017) | (0.014 - 0.042)/(42 - 19) | -0.00121739 |
| 0.036 (8/7/2023) | 0.042 (8/16/2017) | (0.036 - 0.042)/(43 - 19) | -0.00025 |
| ND<0.014 U (12/12/2023) | 0.042 (8/16/2017) | (0.014 - 0.042)/(44 - 19) | -0.00112 |
| 0.042 (1/10/2024) | 0.042 (8/16/2017) | (0.042 - 0.042)/(45 - 19) | 0 |
| ND<0.03 U (5/21/2024) | 0.042 (8/16/2017) | (0.03 - 0.042)/(46 - 19) | -0.000444444 |
| ND<0.014 U (9/16/2024) | 0.042 (8/16/2017) | (0.014 - 0.042)/(47 - 19) | -0.001 |
| 0.079 (12/11/2024) | 0.042 (8/16/2017) | (0.079 - 0.042)/(48 - 19) | 0.00127586 |
| 0.022 (2/18/2025) | 0.042 (8/16/2017) | (0.022 - 0.042)/(49 - 19) | -0.000666667 |

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|---|---|---|---|
| ND<0.025 U (3/28/2018) | 0.088 (10/25/2017) | (0.025 - 0.088)/(21 - 20) | -0.063 |
| ND<0.025 U (6/29/2018) | 0.088 (10/25/2017) | (0.025 - 0.088)/(22 - 20) | -0.0315 |
| 0.055 (8/2/2018) | 0.088 (10/25/2017) | (0.055 - 0.088)/(23 - 20) | -0.011 |
| 0.038 (12/10/2018) | 0.088 (10/25/2017) | (0.038 - 0.088)/(24 - 20) | -0.0125 |
| ND<0.025 U (4/15/2019) | 0.088 (10/25/2017) | (0.025 - 0.088)/(25 - 20) | -0.0126 |
| ND<0.025 U (6/12/2019) | 0.088 (10/25/2017) | (0.025 - 0.088)/(26 - 20) | -0.0105 |
| ND<0.025 U (8/27/2019) | 0.088 (10/25/2017) | (0.025 - 0.088)/(27 - 20) | -0.009 |
| ND<0.025 U (10/29/2019) | 0.088 (10/25/2017) | (0.025 - 0.088)/(28 - 20) | -0.007875 |
| ND<0.025 U (3/30/2020) | 0.088 (10/25/2017) | (0.025 - 0.088)/(29 - 20) | -0.007 |
| ND<0.03 U (6/16/2020) | 0.088 (10/25/2017) | (0.03 - 0.088)/(30 - 20) | -0.0058 |
| ND<0.03 U (9/21/2020) | 0.088 (10/25/2017) | (0.03 - 0.088)/(31 - 20) | -0.00527273 |
| ND<0.03 U (12/17/2020) | 0.088 (10/25/2017) | (0.03 - 0.088)/(32 - 20) | -0.00483333 |
| ND<0.03 U (3/18/2021) | 0.088 (10/25/2017) | (0.03 - 0.088)/(33 - 20) | -0.00446154 |
| ND<0.03 U (5/5/2021) | 0.088 (10/25/2017) | (0.03 - 0.088)/(34 - 20) | -0.00414286 |
| 0.04 (9/2/2021) | 0.088 (10/25/2017) | (0.04 - 0.088)/(35 - 20) | -0.0032 |
| ND<0.03 U (11/23/2021) | 0.088 (10/25/2017) | (0.03 - 0.088)/(36 - 20) | -0.003625 |
| ND<0.03 U (1/11/2022) | 0.088 (10/25/2017) | (0.03 - 0.088)/(37 - 20) | -0.00341176 |
| ND<0.03 U (4/7/2022) | 0.088 (10/25/2017) | (0.03 - 0.088)/(38 - 20) | -0.00322222 |
| ND<0.03 U (8/2/2022) | 0.088 (10/25/2017) | (0.03 - 0.088)/(39 - 20) | -0.00305263 |
| ND<0.03 U (11/16/2022) | 0.088 (10/25/2017) | (0.03 - 0.088)/(40 - 20) | -0.0029 |
| ND<0.03 U (2/14/2023) | 0.088 (10/25/2017) | (0.03 - 0.088)/(41 - 20) | -0.0027619 |
| ND<0.014 U (5/25/2023) | 0.088 (10/25/2017) | (0.014 - 0.088)/(42 - 20) | -0.00336364 |
| 0.036 (8/7/2023) | 0.088 (10/25/2017) | (0.036 - 0.088)/(43 - 20) | -0.00226087 |
| ND<0.014 U (12/12/2023) | 0.088 (10/25/2017) | (0.014 - 0.088)/(44 - 20) | -0.00308333 |
| 0.042 (1/10/2024) | 0.088 (10/25/2017) | (0.042 - 0.088)/(45 - 20) | -0.00184 |
| ND<0.03 U (5/21/2024) | 0.088 (10/25/2017) | (0.03 - 0.088)/(46 - 20) | -0.00223077 |
| ND<0.014 U (9/16/2024) | 0.088 (10/25/2017) | (0.014 - 0.088)/(47 - 20) | -0.00274074 |
| 0.079 (12/11/2024) | 0.088 (10/25/2017) | (0.079 - 0.088)/(48 - 20) | -0.000321429 |
| 0.022 (2/18/2025) | 0.088 (10/25/2017) | (0.022 - 0.088)/(49 - 20) | -0.00227586 |

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|---|---|---|---|
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| 0.055 (8/2/2018) | ND<0.025 U (3/28/2018) | (0.055 - 0.025)/(23 - 21) | 0.015 |
| 0.038 (12/10/2018) | ND<0.025 U (3/28/2018) | (0.038 - 0.025)/(24 - 21) | 0.00433333 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(28 - 21) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(29 - 21) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| 0.04 (9/2/2021) | ND<0.025 U (3/28/2018) | (0.04 - 0.025)/(35 - 21) | 0.00107143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(38 - 21) | 0.000294118 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(41 - 21) | 0.00025 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(42 - 21) | -0.00052381 |
| 0.036 (8/7/2023) | ND<0.025 U (3/28/2018) | (0.036 - 0.025)/(43 - 21) | 0.0005 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(44 - 21) | -0.000478261 |
| 0.042 (1/10/2024) | ND<0.025 U (3/28/2018) | (0.042 - 0.025)/(45 - 21) | 0.000708333 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(46 - 21) | 0.0002 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(47 - 21) | -0.000423077 |
| 0.079 (12/11/2024) | ND<0.025 U (3/28/2018) | (0.079 - 0.025)/(48 - 21) | 0.002 |
| 0.022 (2/18/2025) | ND<0.025 U (3/28/2018) | (0.022 - 0.025)/(49 - 21) | -0.000107143 |
| | | | |
| 0.055 (8/2/2018) | ND<0.025 U (6/29/2018) | (0.055 - 0.025)/(23 - 22) | 0.03 |
| 0.038 (12/10/2018) | ND<0.025 U (6/29/2018) | (0.038 - 0.025)/(24 - 22) | 0.0065 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(28 - 22) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(29 - 22) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| 0.04 (9/2/2021) | ND<0.025 U (6/29/2018) | (0.04 - 0.025)/(35 - 22) | 0.00115385 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(38 - 22) | 0.0003125 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(41 - 22) | 0.000263158 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(42 - 22) | -0.00055 |
| 0.036 (8/7/2023) | ND<0.025 U (6/29/2018) | (0.036 - 0.025)/(43 - 22) | 0.00052381 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(44 - 22) | -0.0005 |
| 0.042 (1/10/2024) | ND<0.025 U (6/29/2018) | (0.042 - 0.025)/(45 - 22) | 0.00073913 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(46 - 22) | 0.000208333 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(47 - 22) | -0.00044 |
| 0.079 (12/11/2024) | ND<0.025 U (6/29/2018) | (0.079 - 0.025)/(48 - 22) | 0.00207692 |
| 0.022 (2/18/2025) | ND<0.025 U (6/29/2018) | (0.022 - 0.025)/(49 - 22) | -0.000111111 |

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|---|---|---|---|
| 0.038 (12/10/2018) | 0.055 (8/2/2018) | (0.038 - 0.055)/(24 - 23) | -0.017 |
| ND<0.025 U (4/15/2019) | 0.055 (8/2/2018) | (0.025 - 0.055)/(25 - 23) | -0.015 |
| ND<0.025 U (6/12/2019) | 0.055 (8/2/2018) | (0.025 - 0.055)/(26 - 23) | -0.01 |
| ND<0.025 U (8/27/2019) | 0.055 (8/2/2018) | (0.025 - 0.055)/(27 - 23) | -0.0075 |
| ND<0.025 U (10/29/2019) | 0.055 (8/2/2018) | (0.025 - 0.055)/(28 - 23) | -0.006 |
| ND<0.025 U (3/30/2020) | 0.055 (8/2/2018) | (0.025 - 0.055)/(29 - 23) | -0.005 |
| ND<0.03 U (6/16/2020) | 0.055 (8/2/2018) | (0.03 - 0.055)/(30 - 23) | -0.00357143 |
| ND<0.03 U (9/21/2020) | 0.055 (8/2/2018) | (0.03 - 0.055)/(31 - 23) | -0.003125 |
| ND<0.03 U (12/17/2020) | 0.055 (8/2/2018) | (0.03 - 0.055)/(32 - 23) | -0.00277778 |
| ND<0.03 U (3/18/2021) | 0.055 (8/2/2018) | (0.03 - 0.055)/(33 - 23) | -0.0025 |
| ND<0.03 U (5/5/2021) | 0.055 (8/2/2018) | (0.03 - 0.055)/(34 - 23) | -0.00227273 |
| 0.04 (9/2/2021) | 0.055 (8/2/2018) | (0.04 - 0.055)/(35 - 23) | -0.00125 |
| ND<0.03 U (11/23/2021) | 0.055 (8/2/2018) | (0.03 - 0.055)/(36 - 23) | -0.00192308 |
| ND<0.03 U (1/11/2022) | 0.055 (8/2/2018) | (0.03 - 0.055)/(37 - 23) | -0.00178571 |
| ND<0.03 U (4/7/2022) | 0.055 (8/2/2018) | (0.03 - 0.055)/(38 - 23) | -0.00166667 |
| ND<0.03 U (8/2/2022) | 0.055 (8/2/2018) | (0.03 - 0.055)/(39 - 23) | -0.0015625 |
| ND<0.03 U (11/16/2022) | 0.055 (8/2/2018) | (0.03 - 0.055)/(40 - 23) | -0.00147059 |
| ND<0.03 U (2/14/2023) | 0.055 (8/2/2018) | (0.03 - 0.055)/(41 - 23) | -0.00138889 |
| ND<0.014 U (5/25/2023) | 0.055 (8/2/2018) | (0.014 - 0.055)/(42 - 23) | -0.00215789 |
| 0.036 (8/7/2023) | 0.055 (8/2/2018) | (0.036 - 0.055)/(43 - 23) | -0.00095 |
| ND<0.014 U (12/12/2023) | 0.055 (8/2/2018) | (0.014 - 0.055)/(44 - 23) | -0.00195238 |
| 0.042 (1/10/2024) | 0.055 (8/2/2018) | (0.042 - 0.055)/(45 - 23) | -0.000590909 |
| ND<0.03 U (5/21/2024) | 0.055 (8/2/2018) | (0.03 - 0.055)/(46 - 23) | -0.00108696 |
| ND<0.014 U (9/16/2024) | 0.055 (8/2/2018) | (0.014 - 0.055)/(47 - 23) | -0.00170833 |
| 0.079 (12/11/2024) | 0.055 (8/2/2018) | (0.079 - 0.055)/(48 - 23) | 0.00096 |
| 0.022 (2/18/2025) | 0.055 (8/2/2018) | (0.022 - 0.055)/(49 - 23) | -0.00126923 |
| | | | |
| ND<0.025 U (4/15/2019) | 0.038 (12/10/2018) | (0.025 - 0.038)/(25 - 24) | -0.013 |
| ND<0.025 U (6/12/2019) | 0.038 (12/10/2018) | (0.025 - 0.038)/(26 - 24) | -0.0065 |
| ND<0.025 U (8/27/2019) | 0.038 (12/10/2018) | (0.025 - 0.038)/(27 - 24) | -0.00433333 |
| ND<0.025 U (10/29/2019) | 0.038 (12/10/2018) | (0.025 - 0.038)/(28 - 24) | -0.00325 |
| ND<0.025 U (3/30/2020) | 0.038 (12/10/2018) | (0.025 - 0.038)/(29 - 24) | -0.0026 |
| ND<0.03 U (6/16/2020) | 0.038 (12/10/2018) | (0.03 - 0.038)/(30 - 24) | -0.00133333 |
| ND<0.03 U (9/21/2020) | 0.038 (12/10/2018) | (0.03 - 0.038)/(31 - 24) | -0.00114286 |
| ND<0.03 U (12/17/2020) | 0.038 (12/10/2018) | (0.03 - 0.038)/(32 - 24) | -0.001 |
| ND<0.03 U (3/18/2021) | 0.038 (12/10/2018) | (0.03 - 0.038)/(33 - 24) | -0.000888889 |
| ND<0.03 U (5/5/2021) | 0.038 (12/10/2018) | (0.03 - 0.038)/(34 - 24) | -0.0008 |
| 0.04 (9/2/2021) | 0.038 (12/10/2018) | (0.04 - 0.038)/(35 - 24) | 0.000181818 |
| ND<0.03 U (11/23/2021) | 0.038 (12/10/2018) | (0.03 - 0.038)/(36 - 24) | -0.000666667 |
| ND<0.03 U (1/11/2022) | 0.038 (12/10/2018) | (0.03 - 0.038)/(37 - 24) | -0.000615385 |
| ND<0.03 U (4/7/2022) | 0.038 (12/10/2018) | (0.03 - 0.038)/(38 - 24) | -0.000571429 |
| ND<0.03 U (8/2/2022) | 0.038 (12/10/2018) | (0.03 - 0.038)/(39 - 24) | -0.000533333 |
| ND<0.03 U (11/16/2022) | 0.038 (12/10/2018) | (0.03 - 0.038)/(40 - 24) | -0.0005 |
| ND<0.03 U (2/14/2023) | 0.038 (12/10/2018) | (0.03 - 0.038)/(41 - 24) | -0.000470588 |
| ND<0.014 U (5/25/2023) | 0.038 (12/10/2018) | (0.014 - 0.038)/(42 - 24) | -0.00133333 |
| 0.036 (8/7/2023) | 0.038 (12/10/2018) | (0.036 - 0.038)/(43 - 24) | -0.000105263 |
| ND<0.014 U (12/12/2023) | 0.038 (12/10/2018) | (0.014 - 0.038)/(44 - 24) | -0.0012 |
| 0.042 (1/10/2024) | 0.038 (12/10/2018) | (0.042 - 0.038)/(45 - 24) | 0.000190476 |
| ND<0.03 U (5/21/2024) | 0.038 (12/10/2018) | (0.03 - 0.038)/(46 - 24) | -0.000363636 |
| ND<0.014 U (9/16/2024) | 0.038 (12/10/2018) | (0.014 - 0.038)/(47 - 24) | -0.00104348 |
| 0.079 (12/11/2024) | 0.038 (12/10/2018) | (0.079 - 0.038)/(48 - 24) | 0.00170833 |
| 0.022 (2/18/2025) | 0.038 (12/10/2018) | (0.022 - 0.038)/(49 - 24) | -0.00064 |
| | | | |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(28 - 25) | 0 |

| | | | |
|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(29 - 25) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| 0.04 (9/2/2021) | ND<0.025 U (4/15/2019) | (0.04 - 0.025)/(35 - 25) | 0.0015 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(38 - 25) | 0.000384615 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(41 - 25) | 0.0003125 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(42 - 25) | -0.000647059 |
| 0.036 (8/7/2023) | ND<0.025 U (4/15/2019) | (0.036 - 0.025)/(43 - 25) | 0.000611111 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(44 - 25) | -0.000578947 |
| 0.042 (1/10/2024) | ND<0.025 U (4/15/2019) | (0.042 - 0.025)/(45 - 25) | 0.00085 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(46 - 25) | 0.000238095 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(47 - 25) | -0.0005 |
| 0.079 (12/11/2024) | ND<0.025 U (4/15/2019) | (0.079 - 0.025)/(48 - 25) | 0.00234783 |
| 0.022 (2/18/2025) | ND<0.025 U (4/15/2019) | (0.022 - 0.025)/(49 - 25) | -0.000125 |
| | | | |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(28 - 26) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(29 - 26) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(32 - 26) | 0.000833333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| 0.04 (9/2/2021) | ND<0.025 U (6/12/2019) | (0.04 - 0.025)/(35 - 26) | 0.00166667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(37 - 26) | 0.000454545 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(38 - 26) | 0.000416667 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(41 - 26) | 0.000333333 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(42 - 26) | -0.0006875 |
| 0.036 (8/7/2023) | ND<0.025 U (6/12/2019) | (0.036 - 0.025)/(43 - 26) | 0.000647059 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(44 - 26) | -0.000611111 |
| 0.042 (1/10/2024) | ND<0.025 U (6/12/2019) | (0.042 - 0.025)/(45 - 26) | 0.000894737 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(46 - 26) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(47 - 26) | -0.00052381 |
| 0.079 (12/11/2024) | ND<0.025 U (6/12/2019) | (0.079 - 0.025)/(48 - 26) | 0.00245455 |
| 0.022 (2/18/2025) | ND<0.025 U (6/12/2019) | (0.022 - 0.025)/(49 - 26) | -0.000130435 |
| | | | |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(28 - 27) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(29 - 27) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| 0.04 (9/2/2021) | ND<0.025 U (8/27/2019) | (0.04 - 0.025)/(35 - 27) | 0.001875 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(38 - 27) | 0.000454545 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(42 - 27) | -0.000733333 |
| 0.036 (8/7/2023) | ND<0.025 U (8/27/2019) | (0.036 - 0.025)/(43 - 27) | 0.0006875 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(44 - 27) | -0.000647059 |
| 0.042 (1/10/2024) | ND<0.025 U (8/27/2019) | (0.042 - 0.025)/(45 - 27) | 0.000944444 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(46 - 27) | 0.000263158 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(47 - 27) | -0.00055 |
| 0.079 (12/11/2024) | ND<0.025 U (8/27/2019) | (0.079 - 0.025)/(48 - 27) | 0.00257143 |
| 0.022 (2/18/2025) | ND<0.025 U (8/27/2019) | (0.022 - 0.025)/(49 - 27) | -0.000136364 |
| | | | |
| ND<0.025 U (3/30/2020) | ND<0.025 U (10/29/2019) | (0.025 - 0.025)/(29 - 28) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(30 - 28) | 0.0025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(31 - 28) | 0.00166667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(32 - 28) | 0.00125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(33 - 28) | 0.001 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(34 - 28) | 0.000833333 |
| 0.04 (9/2/2021) | ND<0.025 U (10/29/2019) | (0.04 - 0.025)/(35 - 28) | 0.00214286 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(36 - 28) | 0.000625 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(37 - 28) | 0.000555556 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(38 - 28) | 0.0005 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(39 - 28) | 0.000454545 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(40 - 28) | 0.000416667 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(41 - 28) | 0.000384615 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(42 - 28) | -0.000785714 |
| 0.036 (8/7/2023) | ND<0.025 U (10/29/2019) | (0.036 - 0.025)/(43 - 28) | 0.000733333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(44 - 28) | -0.0006875 |
| 0.042 (1/10/2024) | ND<0.025 U (10/29/2019) | (0.042 - 0.025)/(45 - 28) | 0.001 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(46 - 28) | 0.000277778 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(47 - 28) | -0.000578947 |
| 0.079 (12/11/2024) | ND<0.025 U (10/29/2019) | (0.079 - 0.025)/(48 - 28) | 0.0027 |
| 0.022 (2/18/2025) | ND<0.025 U (10/29/2019) | (0.022 - 0.025)/(49 - 28) | -0.000142857 |
| | | | |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(30 - 29) | 0.005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(31 - 29) | 0.0025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(32 - 29) | 0.00166667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(33 - 29) | 0.00125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(34 - 29) | 0.001 |
| 0.04 (9/2/2021) | ND<0.025 U (3/30/2020) | (0.04 - 0.025)/(35 - 29) | 0.0025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(36 - 29) | 0.000714286 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(37 - 29) | 0.000625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(38 - 29) | 0.000555556 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(39 - 29) | 0.0005 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(40 - 29) | 0.000454545 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(41 - 29) | 0.000416667 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(42 - 29) | -0.000846154 |
| 0.036 (8/7/2023) | ND<0.025 U (3/30/2020) | (0.036 - 0.025)/(43 - 29) | 0.000785714 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(44 - 29) | -0.000733333 |
| 0.042 (1/10/2024) | ND<0.025 U (3/30/2020) | (0.042 - 0.025)/(45 - 29) | 0.0010625 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(46 - 29) | 0.000294118 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(47 - 29) | -0.000611111 |
| 0.079 (12/11/2024) | ND<0.025 U (3/30/2020) | (0.079 - 0.025)/(48 - 29) | 0.00284211 |
| 0.022 (2/18/2025) | ND<0.025 U (3/30/2020) | (0.022 - 0.025)/(49 - 29) | -0.00015 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| 0.04 (9/2/2021) | ND<0.03 U (6/16/2020) | (0.04 - 0.03)/(35 - 30) | 0.002 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(38 - 30) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(42 - 30) | -0.00133333 |
| 0.036 (8/7/2023) | ND<0.03 U (6/16/2020) | (0.036 - 0.03)/(43 - 30) | 0.000461538 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| 0.042 (1/10/2024) | ND<0.03 U (6/16/2020) | (0.042 - 0.03)/(45 - 30) | 0.0008 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(46 - 30) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(47 - 30) | -0.000941176 |
| 0.079 (12/11/2024) | ND<0.03 U (6/16/2020) | (0.079 - 0.03)/(48 - 30) | 0.00272222 |
| 0.022 (2/18/2025) | ND<0.03 U (6/16/2020) | (0.022 - 0.03)/(49 - 30) | -0.000421053 |
| | | | |
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| 0.04 (9/2/2021) | ND<0.03 U (9/21/2020) | (0.04 - 0.03)/(35 - 31) | 0.0025 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(38 - 31) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(42 - 31) | -0.00145455 |
| 0.036 (8/7/2023) | ND<0.03 U (9/21/2020) | (0.036 - 0.03)/(43 - 31) | 0.0005 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(44 - 31) | -0.00123077 |
| 0.042 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.042 - 0.03)/(45 - 31) | 0.000857143 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(46 - 31) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(47 - 31) | -0.001 |
| 0.079 (12/11/2024) | ND<0.03 U (9/21/2020) | (0.079 - 0.03)/(48 - 31) | 0.00288235 |
| 0.022 (2/18/2025) | ND<0.03 U (9/21/2020) | (0.022 - 0.03)/(49 - 31) | -0.000444444 |
| | | | |
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(34 - 32) | 0 |
| 0.04 (9/2/2021) | ND<0.03 U (12/17/2020) | (0.04 - 0.03)/(35 - 32) | 0.00333333 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(37 - 32) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(38 - 32) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(41 - 32) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(42 - 32) | -0.0016 |
| 0.036 (8/7/2023) | ND<0.03 U (12/17/2020) | (0.036 - 0.03)/(43 - 32) | 0.000545455 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(44 - 32) | -0.00133333 |
| 0.042 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.042 - 0.03)/(45 - 32) | 0.000923077 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(46 - 32) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(47 - 32) | -0.00106667 |
| 0.079 (12/11/2024) | ND<0.03 U (12/17/2020) | (0.079 - 0.03)/(48 - 32) | 0.0030625 |
| 0.022 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.022 - 0.03)/(49 - 32) | -0.000470588 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| 0.04 (9/2/2021) | ND<0.03 U (3/18/2021) | (0.04 - 0.03)/(35 - 33) | 0.005 |

| | | | |
|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(37 - 33) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(38 - 33) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(42 - 33) | -0.00177778 |
| 0.036 (8/7/2023) | ND<0.03 U (3/18/2021) | (0.036 - 0.03)/(43 - 33) | 0.0006 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(44 - 33) | -0.00145455 |
| 0.042 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.042 - 0.03)/(45 - 33) | 0.001 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(46 - 33) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(47 - 33) | -0.00114286 |
| 0.079 (12/11/2024) | ND<0.03 U (3/18/2021) | (0.079 - 0.03)/(48 - 33) | 0.00326667 |
| 0.022 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.022 - 0.03)/(49 - 33) | -0.0005 |
| | | | |
| 0.04 (9/2/2021) | ND<0.03 U (5/5/2021) | (0.04 - 0.03)/(35 - 34) | 0.01 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(36 - 34) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(37 - 34) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(38 - 34) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(41 - 34) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(42 - 34) | -0.002 |
| 0.036 (8/7/2023) | ND<0.03 U (5/5/2021) | (0.036 - 0.03)/(43 - 34) | 0.000666667 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(44 - 34) | -0.0016 |
| 0.042 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.042 - 0.03)/(45 - 34) | 0.00109091 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(46 - 34) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(47 - 34) | -0.00123077 |
| 0.079 (12/11/2024) | ND<0.03 U (5/5/2021) | (0.079 - 0.03)/(48 - 34) | 0.0035 |
| 0.022 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.022 - 0.03)/(49 - 34) | -0.000533333 |
| | | | |
| ND<0.03 U (11/23/2021) | 0.04 (9/2/2021) | (0.03 - 0.04)/(36 - 35) | -0.01 |
| ND<0.03 U (1/11/2022) | 0.04 (9/2/2021) | (0.03 - 0.04)/(37 - 35) | -0.005 |
| ND<0.03 U (4/7/2022) | 0.04 (9/2/2021) | (0.03 - 0.04)/(38 - 35) | -0.00333333 |
| ND<0.03 U (8/2/2022) | 0.04 (9/2/2021) | (0.03 - 0.04)/(39 - 35) | -0.0025 |
| ND<0.03 U (11/16/2022) | 0.04 (9/2/2021) | (0.03 - 0.04)/(40 - 35) | -0.002 |
| ND<0.03 U (2/14/2023) | 0.04 (9/2/2021) | (0.03 - 0.04)/(41 - 35) | -0.00166667 |
| ND<0.014 U (5/25/2023) | 0.04 (9/2/2021) | (0.014 - 0.04)/(42 - 35) | -0.00371429 |
| 0.036 (8/7/2023) | 0.04 (9/2/2021) | (0.036 - 0.04)/(43 - 35) | -0.0005 |
| ND<0.014 U (12/12/2023) | 0.04 (9/2/2021) | (0.014 - 0.04)/(44 - 35) | -0.00288889 |
| 0.042 (1/10/2024) | 0.04 (9/2/2021) | (0.042 - 0.04)/(45 - 35) | 0.0002 |
| ND<0.03 U (5/21/2024) | 0.04 (9/2/2021) | (0.03 - 0.04)/(46 - 35) | -0.000909091 |
| ND<0.014 U (9/16/2024) | 0.04 (9/2/2021) | (0.014 - 0.04)/(47 - 35) | -0.00216667 |
| 0.079 (12/11/2024) | 0.04 (9/2/2021) | (0.079 - 0.04)/(48 - 35) | 0.003 |
| 0.022 (2/18/2025) | 0.04 (9/2/2021) | (0.022 - 0.04)/(49 - 35) | -0.00128571 |
| | | | |
| ND<0.03 U (1/11/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(37 - 36) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(38 - 36) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(41 - 36) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(42 - 36) | -0.00266667 |
| 0.036 (8/7/2023) | ND<0.03 U (11/23/2021) | (0.036 - 0.03)/(43 - 36) | 0.000857143 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(44 - 36) | -0.002 |
| 0.042 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.042 - 0.03)/(45 - 36) | 0.00133333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(46 - 36) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(47 - 36) | -0.00145455 |

| | | | |
|---|---|---|---|
| 0.079 (12/11/2024) | ND<0.03 U (11/23/2021) | (0.079 - 0.03)/(48 - 36) | 0.00408333 |
| 0.022 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.022 - 0.03)/(49 - 36) | -0.000615385 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(38 - 37) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(40 - 37) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(41 - 37) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(42 - 37) | -0.0032 |
| 0.036 (8/7/2023) | ND<0.03 U (1/11/2022) | (0.036 - 0.03)/(43 - 37) | 0.001 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(44 - 37) | -0.00228571 |
| 0.042 (1/10/2024) | ND<0.03 U (1/11/2022) | (0.042 - 0.03)/(45 - 37) | 0.0015 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(46 - 37) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(47 - 37) | -0.0016 |
| 0.079 (12/11/2024) | ND<0.03 U (1/11/2022) | (0.079 - 0.03)/(48 - 37) | 0.00445455 |
| 0.022 (2/18/2025) | ND<0.03 U (1/11/2022) | (0.022 - 0.03)/(49 - 37) | -0.000666667 |
| | | | |
| ND<0.03 U (8/2/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 38) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(40 - 38) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(41 - 38) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(42 - 38) | -0.004 |
| 0.036 (8/7/2023) | ND<0.03 U (4/7/2022) | (0.036 - 0.03)/(43 - 38) | 0.0012 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(44 - 38) | -0.00266667 |
| 0.042 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.042 - 0.03)/(45 - 38) | 0.00171429 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(46 - 38) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(47 - 38) | -0.00177778 |
| 0.079 (12/11/2024) | ND<0.03 U (4/7/2022) | (0.079 - 0.03)/(48 - 38) | 0.0049 |
| 0.022 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.022 - 0.03)/(49 - 38) | -0.000727273 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(42 - 39) | -0.00533333 |
| 0.036 (8/7/2023) | ND<0.03 U (8/2/2022) | (0.036 - 0.03)/(43 - 39) | 0.0015 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(44 - 39) | -0.0032 |
| 0.042 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.042 - 0.03)/(45 - 39) | 0.002 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(46 - 39) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(47 - 39) | -0.002 |
| 0.079 (12/11/2024) | ND<0.03 U (8/2/2022) | (0.079 - 0.03)/(48 - 39) | 0.00544444 |
| 0.022 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.022 - 0.03)/(49 - 39) | -0.0008 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(42 - 40) | -0.008 |
| 0.036 (8/7/2023) | ND<0.03 U (11/16/2022) | (0.036 - 0.03)/(43 - 40) | 0.002 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(44 - 40) | -0.004 |
| 0.042 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.042 - 0.03)/(45 - 40) | 0.0024 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(46 - 40) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(47 - 40) | -0.00228571 |
| 0.079 (12/11/2024) | ND<0.03 U (11/16/2022) | (0.079 - 0.03)/(48 - 40) | 0.006125 |
| 0.022 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.022 - 0.03)/(49 - 40) | -0.000888889 |
| | | | |
| ND<0.014 U (5/25/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(42 - 41) | -0.016 |
| 0.036 (8/7/2023) | ND<0.03 U (2/14/2023) | (0.036 - 0.03)/(43 - 41) | 0.003 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(44 - 41) | -0.00533333 |
| 0.042 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.042 - 0.03)/(45 - 41) | 0.003 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(46 - 41) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(47 - 41) | -0.00266667 |
| 0.079 (12/11/2024) | ND<0.03 U (2/14/2023) | (0.079 - 0.03)/(48 - 41) | 0.007 |
| 0.022 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.022 - 0.03)/(49 - 41) | -0.001 |

| | | | |
|---|---|---|---|
| 0.036 (8/7/2023) | ND<0.014 U (5/25/2023) | (0.036 - 0.014)/(43 - 42) | 0.022 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(44 - 42) | 0 |
| 0.042 (1/10/2024) | ND<0.014 U (5/25/2023) | (0.042 - 0.014)/(45 - 42) | 0.00933333 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(46 - 42) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(47 - 42) | 0 |
| 0.079 (12/11/2024) | ND<0.014 U (5/25/2023) | (0.079 - 0.014)/(48 - 42) | 0.0108333 |
| 0.022 (2/18/2025) | ND<0.014 U (5/25/2023) | (0.022 - 0.014)/(49 - 42) | 0.00114286 |
| | | | |
| ND<0.014 U (12/12/2023) | 0.036 (8/7/2023) | (0.014 - 0.036)/(44 - 43) | -0.022 |
| 0.042 (1/10/2024) | 0.036 (8/7/2023) | (0.042 - 0.036)/(45 - 43) | 0.003 |
| ND<0.03 U (5/21/2024) | 0.036 (8/7/2023) | (0.03 - 0.036)/(46 - 43) | -0.002 |
| ND<0.014 U (9/16/2024) | 0.036 (8/7/2023) | (0.014 - 0.036)/(47 - 43) | -0.0055 |
| 0.079 (12/11/2024) | 0.036 (8/7/2023) | (0.079 - 0.036)/(48 - 43) | 0.0086 |
| 0.022 (2/18/2025) | 0.036 (8/7/2023) | (0.022 - 0.036)/(49 - 43) | -0.00233333 |
| | | | |
| 0.042 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.042 - 0.014)/(45 - 44) | 0.028 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(46 - 44) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(47 - 44) | 0 |
| 0.079 (12/11/2024) | ND<0.014 U (12/12/2023) | (0.079 - 0.014)/(48 - 44) | 0.01625 |
| 0.022 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.022 - 0.014)/(49 - 44) | 0.0016 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.042 (1/10/2024) | (0.03 - 0.042)/(46 - 45) | -0.012 |
| ND<0.014 U (9/16/2024) | 0.042 (1/10/2024) | (0.014 - 0.042)/(47 - 45) | -0.014 |
| 0.079 (12/11/2024) | 0.042 (1/10/2024) | (0.079 - 0.042)/(48 - 45) | 0.0123333 |
| 0.022 (2/18/2025) | 0.042 (1/10/2024) | (0.022 - 0.042)/(49 - 45) | -0.005 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(47 - 46) | -0.016 |
| 0.079 (12/11/2024) | ND<0.03 U (5/21/2024) | (0.079 - 0.03)/(48 - 46) | 0.0245 |
| 0.022 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.022 - 0.03)/(49 - 46) | -0.00266667 |
| | | | |
| 0.079 (12/11/2024) | ND<0.014 U (9/16/2024) | (0.079 - 0.014)/(48 - 47) | 0.065 |
| 0.022 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.022 - 0.014)/(49 - 47) | 0.004 |
| | | | |
| 0.022 (2/18/2025) | 0.079 (12/11/2024) | (0.022 - 0.079)/(49 - 48) | -0.057 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.095 |
| 2 | -0.064 |
| 3 | -0.063 |
| 4 | -0.06 |
| 5 | -0.057 |
| 6 | -0.045 |
| 7 | -0.0375 |
| 8 | -0.0315 |
| 9 | -0.0315 |
| 10 | -0.028 |
| 11 | -0.02375 |
| 12 | -0.0225 |
| 13 | -0.022 |
| 14 | -0.02 |
| 15 | -0.01875 |
| 16 | -0.017 |

| | |
|---|---|
| 17 | -0.016 |
| 18 | -0.016 |
| 19 | -0.0158333 |
| 20 | -0.015 |
| 21 | -0.015 |
| 22 | -0.015 |
| 23 | -0.014 |
| 24 | -0.013 |
| 25 | -0.013 |
| 26 | -0.0126 |
| 27 | -0.0126 |
| 28 | -0.0125 |
| 29 | -0.0125 |
| 30 | -0.012 |
| 31 | -0.012 |
| 32 | -0.012 |
| 33 | -0.011875 |
| 34 | -0.01125 |
| 35 | -0.011 |
| 36 | -0.011 |
| 37 | -0.0107143 |
| 38 | -0.0105556 |
| 39 | -0.0105 |
| 40 | -0.01 |
| 41 | -0.01 |
| 42 | -0.01 |
| 43 | -0.01 |
| 44 | -0.0095 |
| 45 | -0.009375 |
| 46 | -0.009 |
| 47 | -0.009 |
| 48 | -0.00863636 |
| 49 | -0.0085 |
| 50 | -0.00833333 |
| 51 | -0.008 |
| 52 | -0.007875 |
| 53 | -0.0075 |
| 54 | -0.0075 |
| 55 | -0.0075 |
| 56 | -0.0075 |
| 57 | -0.00730769 |
| 58 | -0.00714286 |
| 59 | -0.007 |
| 60 | -0.007 |
| 61 | -0.007 |
| 62 | -0.00691667 |
| 63 | -0.00685714 |
| 64 | -0.00681818 |
| 65 | -0.00678571 |
| 66 | -0.00666667 |
| 67 | -0.0066 |
| 68 | -0.0065 |
| 69 | -0.00642857 |
| 70 | -0.00633333 |
| 71 | -0.0063 |
| 72 | -0.0063 |
| 73 | -0.00625 |

| | |
|---|---|
| 74 | -0.006 |
| 75 | -0.006 |
| 76 | -0.006 |
| 77 | -0.006 |
| 78 | -0.0058 |
| 79 | -0.00576923 |
| 80 | -0.00572727 |
| 81 | -0.00566667 |
| 82 | -0.005625 |
| 83 | -0.0055 |
| 84 | -0.00533333 |
| 85 | -0.00533333 |
| 86 | -0.00533333 |
| 87 | -0.00527273 |
| 88 | -0.00525 |
| 89 | -0.005 |
| 90 | -0.005 |
| 91 | -0.005 |
| 92 | -0.005 |
| 93 | -0.005 |
| 94 | -0.0049375 |
| 95 | -0.00483333 |
| 96 | -0.00475 |
| 97 | -0.00458824 |
| 98 | -0.0045 |
| 99 | -0.00446154 |
| 100 | -0.00441176 |
| 101 | -0.00433333 |
| 102 | -0.00428571 |
| 103 | -0.00421429 |
| 104 | -0.0042 |
| 105 | -0.00416667 |
| 106 | -0.00414286 |
| 107 | -0.00413043 |
| 108 | -0.004 |
| 109 | -0.004 |
| 110 | -0.004 |
| 111 | -0.004 |
| 112 | -0.004 |
| 113 | -0.004 |
| 114 | -0.00395833 |
| 115 | -0.0039375 |
| 116 | -0.00392308 |
| 117 | -0.00386667 |
| 118 | -0.0038 |
| 119 | -0.00375 |
| 120 | -0.00372727 |
| 121 | -0.00371429 |
| 122 | -0.00366667 |
| 123 | -0.00365385 |
| 124 | -0.003625 |
| 125 | -0.00358333 |
| 126 | -0.00357143 |
| 127 | -0.00357143 |
| 128 | -0.00351852 |
| 129 | -0.00346154 |
| 130 | -0.00341176 |

| | |
|---|---|
| 131 | -0.00340909 |
| 132 | -0.00336364 |
| 133 | -0.00333333 |
| 134 | -0.00333333 |
| 135 | -0.00326087 |
| 136 | -0.00325 |
| 137 | -0.00322222 |
| 138 | -0.00322222 |
| 139 | -0.00321429 |
| 140 | -0.0032 |
| 141 | -0.0032 |
| 142 | -0.0032 |
| 143 | -0.00315789 |
| 144 | -0.00315 |
| 145 | -0.003125 |
| 146 | -0.003125 |
| 147 | -0.00310345 |
| 148 | -0.0031 |
| 149 | -0.00309524 |
| 150 | -0.00308333 |
| 151 | -0.00305263 |
| 152 | -0.003 |
| 153 | -0.003 |
| 154 | -0.003 |
| 155 | -0.003 |
| 156 | -0.00290323 |
| 157 | -0.0029 |
| 158 | -0.00288889 |
| 159 | -0.00285714 |
| 160 | -0.00283333 |
| 161 | -0.0028125 |
| 162 | -0.0028125 |
| 163 | -0.0028 |
| 164 | -0.00277778 |
| 165 | -0.00276471 |
| 166 | -0.00276471 |
| 167 | -0.0027619 |
| 168 | -0.00274074 |
| 169 | -0.00272727 |
| 170 | -0.00269231 |
| 171 | -0.00266667 |
| 172 | -0.00266667 |
| 173 | -0.00266667 |
| 174 | -0.00266667 |
| 175 | -0.00265 |
| 176 | -0.00264706 |
| 177 | -0.00264706 |
| 178 | -0.002625 |
| 179 | -0.0026 |
| 180 | -0.00259259 |
| 181 | -0.00257143 |
| 182 | -0.00255556 |
| 183 | -0.00252381 |
| 184 | -0.00252 |
| 185 | -0.0025 |
| 186 | -0.0025 |
| 187 | -0.0025 |

| | |
|---|---|
| 188 | -0.0025 |
| 189 | -0.0025 |
| 190 | -0.00243243 |
| 191 | -0.00242857 |
| 192 | -0.00242424 |
| 193 | -0.00242308 |
| 194 | -0.00241379 |
| 195 | -0.0023913 |
| 196 | -0.00236842 |
| 197 | -0.00236842 |
| 198 | -0.00236842 |
| 199 | -0.00235556 |
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| 202 | -0.00233333 |
| 203 | -0.00230769 |
| 204 | -0.00229167 |
| 205 | -0.00228571 |
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| 208 | -0.00227586 |
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| 210 | -0.00226316 |
| 211 | -0.00226087 |
| 212 | -0.00225 |
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| 214 | -0.00225 |
| 215 | -0.00223077 |
| 216 | -0.0022 |
| 217 | -0.0022 |
| 218 | -0.0021875 |
| 219 | -0.00217391 |
| 220 | -0.00216667 |
| 221 | -0.00215789 |
| 222 | -0.00215 |
| 223 | -0.00213333 |
| 224 | -0.002125 |
| 225 | -0.00212121 |
| 226 | -0.00211538 |
| 227 | -0.00208511 |
| 228 | -0.00205882 |
| 229 | -0.00204878 |
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| 232 | -0.00202857 |
| 233 | -0.002 |
| 234 | -0.002 |
| 235 | -0.002 |
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| 243 | -0.00194444 |
| 244 | -0.00193548 |

| | |
|---|---|
| 245 | -0.00193333 |
| 246 | -0.00192308 |
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| 248 | -0.00190476 |
| 249 | -0.00189655 |
| 250 | -0.00189189 |
| 251 | -0.00188889 |
| 252 | -0.001875 |
| 253 | -0.00187097 |
| 254 | -0.00184 |
| 255 | -0.00183333 |
| 256 | -0.00183333 |
| 257 | -0.00181818 |
| 258 | -0.00181395 |
| 259 | -0.0018125 |
| 260 | -0.00180488 |
| 261 | -0.00178571 |
| 262 | -0.00177778 |
| 263 | -0.00177778 |
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| 265 | -0.00177778 |
| 266 | -0.001775 |
| 267 | -0.00177419 |
| 268 | -0.00175758 |
| 269 | -0.00173913 |
| 270 | -0.00173333 |
| 271 | -0.00172093 |
| 272 | -0.00171875 |
| 273 | -0.00171429 |
| 274 | -0.00170833 |
| 275 | -0.0017 |
| 276 | -0.00169697 |
| 277 | -0.00166667 |
| 278 | -0.00166667 |
| 279 | -0.00166667 |
| 280 | -0.00166667 |
| 281 | -0.00166667 |
| 282 | -0.00165714 |
| 283 | -0.00164103 |
| 284 | -0.00161765 |
| 285 | -0.00161111 |
| 286 | -0.0016087 |
| 287 | -0.00160714 |
| 288 | -0.0016 |
| 289 | -0.0016 |
| 290 | -0.0016 |
| 291 | -0.0016 |
| 292 | -0.0016 |
| 293 | -0.0016 |
| 294 | -0.00157143 |
| 295 | -0.00156757 |
| 296 | -0.0015625 |
| 297 | -0.00152632 |
| 298 | -0.0015 |
| 299 | -0.0015 |
| 300 | -0.0015 |
| 301 | -0.00148718 |

| | |
|---|---|
| 302 | -0.00148148 |
| 303 | -0.00147368 |
| 304 | -0.00147059 |
| 305 | -0.00145455 |
| 306 | -0.00145455 |
| 307 | -0.00145455 |
| 308 | -0.00145455 |
| 309 | -0.00145 |
| 310 | -0.00142857 |
| 311 | -0.00141463 |
| 312 | -0.00141176 |
| 313 | -0.00141026 |
| 314 | -0.00138889 |
| 315 | -0.00137931 |
| 316 | -0.001375 |
| 317 | -0.001375 |
| 318 | -0.00136111 |
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| 325 | -0.00128889 |
| 326 | -0.00128571 |
| 327 | -0.00126923 |
| 328 | -0.00125 |
| 329 | -0.00125 |
| 330 | -0.0012381 |
| 331 | -0.00123077 |
| 332 | -0.00123077 |
| 333 | -0.00121739 |
| 334 | -0.0012 |
| 335 | -0.0012 |
| 336 | -0.00115385 |
| 337 | -0.00114286 |
| 338 | -0.00114286 |
| 339 | -0.00114286 |
| 340 | -0.00113158 |
| 341 | -0.001125 |
| 342 | -0.00112 |
| 343 | -0.0011 |
| 344 | -0.00109091 |
| 345 | -0.00109091 |
| 346 | -0.00108696 |
| 347 | -0.00108108 |
| 348 | -0.00107143 |
| 349 | -0.00106667 |
| 350 | -0.00104545 |
| 351 | -0.00104348 |
| 352 | -0.00103846 |
| 353 | -0.001 |
| 354 | -0.001 |
| 355 | -0.001 |
| 356 | -0.001 |
| 357 | -0.001 |
| 358 | -0.001 |

| | |
|---|---|
| 359 | -0.001 |
| 360 | -0.001 |
| 361 | -0.00095 |
| 362 | -0.000941176 |
| 363 | -0.000931034 |
| 364 | -0.000923077 |
| 365 | -0.000923077 |
| 366 | -0.000916667 |
| 367 | -0.000916667 |
| 368 | -0.000909091 |
| 369 | -0.000891304 |
| 370 | -0.000888889 |
| 371 | -0.000888889 |
| 372 | -0.000857143 |
| 373 | -0.000857143 |
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| 376 | -0.000821429 |
| 377 | -0.0008 |
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| 383 | -0.000785714 |
| 384 | -0.000777778 |
| 385 | -0.000766667 |
| 386 | -0.00075 |
| 387 | -0.000733333 |
| 388 | -0.000733333 |
| 389 | -0.000733333 |
| 390 | -0.000727273 |
| 391 | -0.000705882 |
| 392 | -0.00069697 |
| 393 | -0.0006875 |
| 394 | -0.0006875 |
| 395 | -0.0006875 |
| 396 | -0.0006875 |
| 397 | -0.000666667 |
| 398 | -0.000666667 |
| 399 | -0.000666667 |
| 400 | -0.000666667 |
| 401 | -0.000647059 |
| 402 | -0.000647059 |
| 403 | -0.000647059 |
| 404 | -0.00064 |
| 405 | -0.000631579 |
| 406 | -0.000615385 |
| 407 | -0.000615385 |
| 408 | -0.000612903 |
| 409 | -0.000611111 |
| 410 | -0.000611111 |
| 411 | -0.000611111 |
| 412 | -0.0006 |
| 413 | -0.000594595 |
| 414 | -0.000590909 |
| 415 | -0.000578947 |

| | |
|---|---|
| 416 | -0.000578947 |
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| 418 | -0.000571429 |
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| 420 | -0.000564103 |
| 421 | -0.00055 |
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| 426 | -0.000533333 |
| 427 | -0.000533333 |
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| 447 | -0.000470588 |
| 448 | -0.000458333 |
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| 450 | -0.000444444 |
| 451 | -0.00044 |
| 452 | -0.00044 |
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| 455 | -0.000423077 |
| 456 | -0.000423077 |
| 457 | -0.000421053 |
| 458 | -0.000411765 |
| 459 | -0.000407407 |
| 460 | -0.000407407 |
| 461 | -0.000392857 |
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| 463 | -0.000388889 |
| 464 | -0.00037931 |
| 465 | -0.00037931 |
| 466 | -0.000368421 |
| 467 | -0.000366667 |
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| 470 | -0.000354839 |
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| | |
|---|---|
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| 475 | -0.00034375 |
| 476 | -0.00034375 |
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| 479 | -0.000323529 |
| 480 | -0.000323529 |
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| 482 | -0.000318182 |
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| 490 | -0.000291667 |
| 491 | -0.000289474 |
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| 507 | -0.0002 |
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| 517 | -0.000146341 |
| 518 | -0.000142857 |
| 519 | -0.000136364 |
| 520 | -0.000130435 |
| 521 | -0.000125 |
| 522 | -0.000125 |
| 523 | -0.000111111 |
| 524 | -0.000107143 |
| 525 | -0.000105263 |
| 526 | -9.375e-05 |
| 527 | -9.09091e-05 |
| 528 | -8.82353e-05 |
| 529 | -8.33333e-05 |

| | |
|---|---|
| 530 | -8.10811e-05 |
| 531 | -7.89474e-05 |
| 532 | -7.69231e-05 |
| 533 | -7.31707e-05 |
| 534 | -6.97674e-05 |
| 535 | -6.52174e-05 |
| 536 | -5.88235e-05 |
| 537 | -3.44828e-05 |
| 538 | 0 |
| 539 | 0 |
| 540 | 0 |
| 541 | 0 |
| 542 | 0 |
| 543 | 0 |
| 544 | 0 |
| 545 | 0 |
| 546 | 0 |
| 547 | 0 |
| 548 | 0 |
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| 580 | 0 |
| 581 | 0 |
| 582 | 0 |
| 583 | 0 |
| 584 | 0 |
| 585 | 0 |
| 586 | 0 |

| | |
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| 587 | 0 |
| 588 | 0 |
| 589 | 0 |
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| 591 | 0 |
| 592 | 0 |
| 593 | 0 |
| 594 | 0 |
| 595 | 0 |
| 596 | 0 |
| 597 | 0 |
| 598 | 0 |
| 599 | 0 |
| 600 | 0 |
| 601 | 0 |
| 602 | 0 |
| 603 | 0 |
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| 613 | 0 |
| 614 | 0 |
| 615 | 0 |
| 616 | 0 |
| 617 | 0 |
| 618 | 0 |
| 619 | 0 |
| 620 | 0 |
| 621 | 0 |
| 622 | 0 |
| 623 | 0 |
| 624 | 0 |
| 625 | 0 |
| 626 | 0 |
| 627 | 0 |
| 628 | 0 |
| 629 | 0 |
| 630 | 0 |
| 631 | 0 |
| 632 | 0 |
| 633 | 0 |
| 634 | 0 |
| 635 | 0 |
| 636 | 0 |
| 637 | 0 |
| 638 | 0 |
| 639 | 0 |
| 640 | 0 |
| 641 | 0 |
| 642 | 0 |
| 643 | 0 |

| | |
|---|---|
| 644 | 0 |
| 645 | 0 |
| 646 | 0 |
| 647 | 0 |
| 648 | 0 |
| 649 | 0 |
| 650 | 0 |
| 651 | 0 |
| 652 | 0 |
| 653 | 0 |
| 654 | 0 |
| 655 | 0 |
| 656 | 0 |
| 657 | 0 |
| 658 | 0 |
| 659 | 0 |
| 660 | 0 |
| 661 | 0 |
| 662 | 0 |
| 663 | 0 |
| 664 | 0 |
| 665 | 0 |
| 666 | 0 |
| 667 | 0 |
| 668 | 0 |
| 669 | 0 |
| 670 | 0 |
| 671 | 0 |
| 672 | 0 |
| 673 | 0 |
| 674 | 0 |
| 675 | 0 |
| 676 | 0 |
| 677 | 0 |
| 678 | 0 |
| 679 | 0 |
| 680 | 0 |
| 681 | 0 |
| 682 | 0 |
| 683 | 0 |
| 684 | 0 |
| 685 | 0 |
| 686 | 0 |
| 687 | 0 |
| 688 | 0 |
| 689 | 0 |
| 690 | 0 |
| 691 | 0 |
| 692 | 0 |
| 693 | 0 |
| 694 | 0 |
| 695 | 0 |
| 696 | 0 |
| 697 | 0 |
| 698 | 0 |
| 699 | 0 |
| 700 | 0 |

| | |
|---|---|
| 701 | 0 |
| 702 | 0 |
| 703 | 0 |
| 704 | 0 |
| 705 | 0 |
| 706 | 0 |
| 707 | 0 |
| 708 | 0 |
| 709 | 0 |
| 710 | 0 |
| 711 | 0 |
| 712 | 0 |
| 713 | 0 |
| 714 | 0 |
| 715 | 0 |
| 716 | 0 |
| 717 | 0 |
| 718 | 0 |
| 719 | 0 |
| 720 | 0 |
| 721 | 0 |
| 722 | 0 |
| 723 | 0 |
| 724 | 0 |
| 725 | 0 |
| 726 | 0 |
| 727 | 0 |
| 728 | 0 |
| 729 | 0 |
| 730 | 0 |
| 731 | 0 |
| 732 | 0 |
| 733 | 0 |
| 734 | 0 |
| 735 | 0 |
| 736 | 0 |
| 737 | 0 |
| 738 | 0 |
| 739 | 0 |
| 740 | 0 |
| 741 | 0 |
| 742 | 0 |
| 743 | 0 |
| 744 | 0 |
| 745 | 0 |
| 746 | 3.7037e-05 |
| 747 | 0.0001 |
| 748 | 0.000105263 |
| 749 | 0.000111111 |
| 750 | 0.000116279 |
| 751 | 0.000125 |
| 752 | 0.000131579 |
| 753 | 0.000131579 |
| 754 | 0.000133333 |
| 755 | 0.000135135 |
| 756 | 0.000138889 |
| 757 | 0.000138889 |

| | |
|---|---|
| 758 | 0.000142857 |
| 759 | 0.000142857 |
| 760 | 0.000142857 |
| 761 | 0.000142857 |
| 762 | 0.000147059 |
| 763 | 0.000147059 |
| 764 | 0.000147059 |
| 765 | 0.00015 |
| 766 | 0.000151515 |
| 767 | 0.000151515 |
| 768 | 0.000151515 |
| 769 | 0.000151515 |
| 770 | 0.00015625 |
| 771 | 0.00015625 |
| 772 | 0.00016129 |
| 773 | 0.00016129 |
| 774 | 0.00016129 |
| 775 | 0.00016129 |
| 776 | 0.00016129 |
| 777 | 0.00016129 |
| 778 | 0.000166667 |
| 779 | 0.000166667 |
| 780 | 0.000166667 |
| 781 | 0.000166667 |
| 782 | 0.000166667 |
| 783 | 0.000166667 |
| 784 | 0.000172414 |
| 785 | 0.000172414 |
| 786 | 0.000172414 |
| 787 | 0.000172414 |
| 788 | 0.000172414 |
| 789 | 0.000172414 |
| 790 | 0.000178571 |
| 791 | 0.000178571 |
| 792 | 0.000178571 |
| 793 | 0.000178571 |
| 794 | 0.000178571 |
| 795 | 0.000178571 |
| 796 | 0.000178571 |
| 797 | 0.000181818 |
| 798 | 0.000185185 |
| 799 | 0.000185185 |
| 800 | 0.000185185 |
| 801 | 0.000185185 |
| 802 | 0.000185185 |
| 803 | 0.000185185 |
| 804 | 0.000190476 |
| 805 | 0.000192308 |
| 806 | 0.000192308 |
| 807 | 0.000192308 |
| 808 | 0.000192308 |
| 809 | 0.000192308 |
| 810 | 0.000192308 |
| 811 | 0.000192308 |
| 812 | 0.0002 |
| 813 | 0.0002 |
| 814 | 0.0002 |

| | |
|---|---|
| 815 | 0.0002 |
| 816 | 0.0002 |
| 817 | 0.0002 |
| 818 | 0.0002 |
| 819 | 0.0002 |
| 820 | 0.0002 |
| 821 | 0.000208333 |
| 822 | 0.000208333 |
| 823 | 0.000208333 |
| 824 | 0.000208333 |
| 825 | 0.000208333 |
| 826 | 0.000208333 |
| 827 | 0.000208333 |
| 828 | 0.000208333 |
| 829 | 0.000208333 |
| 830 | 0.000217391 |
| 831 | 0.000217391 |
| 832 | 0.000217391 |
| 833 | 0.000217391 |
| 834 | 0.000217391 |
| 835 | 0.000217391 |
| 836 | 0.000217391 |
| 837 | 0.000227273 |
| 838 | 0.000227273 |
| 839 | 0.000227273 |
| 840 | 0.000227273 |
| 841 | 0.000227273 |
| 842 | 0.000227273 |
| 843 | 0.000227273 |
| 844 | 0.000230769 |
| 845 | 0.000230769 |
| 846 | 0.000238095 |
| 847 | 0.000238095 |
| 848 | 0.000238095 |
| 849 | 0.000238095 |
| 850 | 0.000238095 |
| 851 | 0.000238095 |
| 852 | 0.000238095 |
| 853 | 0.000238095 |
| 854 | 0.00025 |
| 855 | 0.00025 |
| 856 | 0.00025 |
| 857 | 0.00025 |
| 858 | 0.00025 |
| 859 | 0.00025 |
| 860 | 0.00025 |
| 861 | 0.00025 |
| 862 | 0.000263158 |
| 863 | 0.000263158 |
| 864 | 0.000263158 |
| 865 | 0.000263158 |
| 866 | 0.000263158 |
| 867 | 0.000263158 |
| 868 | 0.000263158 |
| 869 | 0.000263158 |
| 870 | 0.000275 |
| 871 | 0.000277778 |

| | |
|---|---|
| 872 | 0.000277778 |
| 873 | 0.000277778 |
| 874 | 0.000277778 |
| 875 | 0.000277778 |
| 876 | 0.000277778 |
| 877 | 0.000277778 |
| 878 | 0.000294118 |
| 879 | 0.000294118 |
| 880 | 0.000294118 |
| 881 | 0.000294118 |
| 882 | 0.000294118 |
| 883 | 0.000294118 |
| 884 | 0.000294118 |
| 885 | 0.000297297 |
| 886 | 0.0003125 |
| 887 | 0.0003125 |
| 888 | 0.0003125 |
| 889 | 0.0003125 |
| 890 | 0.0003125 |
| 891 | 0.0003125 |
| 892 | 0.000314286 |
| 893 | 0.000333333 |
| 894 | 0.000333333 |
| 895 | 0.000333333 |
| 896 | 0.000333333 |
| 897 | 0.000333333 |
| 898 | 0.000333333 |
| 899 | 0.000333333 |
| 900 | 0.000333333 |
| 901 | 0.00034375 |
| 902 | 0.000354839 |
| 903 | 0.000357143 |
| 904 | 0.000357143 |
| 905 | 0.000357143 |
| 906 | 0.000357143 |
| 907 | 0.000357143 |
| 908 | 0.000357143 |
| 909 | 0.000366667 |
| 910 | 0.000384615 |
| 911 | 0.000384615 |
| 912 | 0.000384615 |
| 913 | 0.000384615 |
| 914 | 0.000384615 |
| 915 | 0.000384615 |
| 916 | 0.000384615 |
| 917 | 0.000392857 |
| 918 | 0.000404762 |
| 919 | 0.000407407 |
| 920 | 0.000416667 |
| 921 | 0.000416667 |
| 922 | 0.000416667 |
| 923 | 0.000416667 |
| 924 | 0.000416667 |
| 925 | 0.000416667 |
| 926 | 0.000416667 |
| 927 | 0.000423077 |
| 928 | 0.000428571 |

| | |
|---|---|
| 929 | 0.000435897 |
| 930 | 0.000454545 |
| 931 | 0.000454545 |
| 932 | 0.000454545 |
| 933 | 0.000454545 |
| 934 | 0.000454545 |
| 935 | 0.000454545 |
| 936 | 0.000454545 |
| 937 | 0.000459459 |
| 938 | 0.000461538 |
| 939 | 0.00046875 |
| 940 | 0.000485714 |
| 941 | 0.0005 |
| 942 | 0.0005 |
| 943 | 0.0005 |
| 944 | 0.0005 |
| 945 | 0.0005 |
| 946 | 0.0005 |
| 947 | 0.0005 |
| 948 | 0.0005 |
| 949 | 0.0005 |
| 950 | 0.000515152 |
| 951 | 0.000517241 |
| 952 | 0.00052381 |
| 953 | 0.00053125 |
| 954 | 0.000545455 |
| 955 | 0.000555556 |
| 956 | 0.000555556 |
| 957 | 0.000555556 |
| 958 | 0.000555556 |
| 959 | 0.000555556 |
| 960 | 0.000555556 |
| 961 | 0.000555556 |
| 962 | 0.000566667 |
| 963 | 0.000586207 |
| 964 | 0.0006 |
| 965 | 0.0006 |
| 966 | 0.000607143 |
| 967 | 0.000611111 |
| 968 | 0.000619048 |
| 969 | 0.000625 |
| 970 | 0.000625 |
| 971 | 0.000625 |
| 972 | 0.000625 |
| 973 | 0.000625 |
| 974 | 0.000625 |
| 975 | 0.000647059 |
| 976 | 0.000652174 |
| 977 | 0.000666667 |
| 978 | 0.000681818 |
| 979 | 0.0006875 |
| 980 | 0.000708333 |
| 981 | 0.000714286 |
| 982 | 0.000714286 |
| 983 | 0.000714286 |
| 984 | 0.000714286 |
| 985 | 0.000722222 |

| | |
|---|---|
| 986 | 0.000733333 |
| 987 | 0.00073913 |
| 988 | 0.00075 |
| 989 | 0.000785714 |
| 990 | 0.000789474 |
| 991 | 0.0008 |
| 992 | 0.0008125 |
| 993 | 0.000833333 |
| 994 | 0.000833333 |
| 995 | 0.000833333 |
| 996 | 0.000833333 |
| 997 | 0.000833333 |
| 998 | 0.00085 |
| 999 | 0.000857143 |
| 1000 | 0.000857143 |
| 1001 | 0.000894737 |
| 1002 | 0.000923077 |
| 1003 | 0.000928571 |
| 1004 | 0.000944444 |
| 1005 | 0.00096 |
| 1006 | 0.001 |
| 1007 | 0.001 |
| 1008 | 0.001 |
| 1009 | 0.001 |
| 1010 | 0.001 |
| 1011 | 0.001 |
| 1012 | 0.001 |
| 1013 | 0.001 |
| 1014 | 0.001 |
| 1015 | 0.001 |
| 1016 | 0.001 |
| 1017 | 0.001 |
| 1018 | 0.001 |
| 1019 | 0.00105556 |
| 1020 | 0.0010625 |
| 1021 | 0.0010625 |
| 1022 | 0.00106667 |
| 1023 | 0.00107143 |
| 1024 | 0.00108333 |
| 1025 | 0.00109091 |
| 1026 | 0.00109091 |
| 1027 | 0.00114286 |
| 1028 | 0.00115385 |
| 1029 | 0.00118182 |
| 1030 | 0.0012 |
| 1031 | 0.0012 |
| 1032 | 0.00123529 |
| 1033 | 0.00125 |
| 1034 | 0.00125 |
| 1035 | 0.00125 |
| 1036 | 0.00125 |
| 1037 | 0.00126667 |
| 1038 | 0.00127586 |
| 1039 | 0.00128571 |
| 1040 | 0.00130769 |
| 1041 | 0.00133333 |
| 1042 | 0.00133333 |

| | |
|---|---|
| 1043 | 0.00135 |
| 1044 | 0.00142105 |
| 1045 | 0.00144444 |
| 1046 | 0.00145946 |
| 1047 | 0.0015 |
| 1048 | 0.0015 |
| 1049 | 0.0015 |
| 1050 | 0.0015 |
| 1051 | 0.0015 |
| 1052 | 0.0015 |
| 1053 | 0.00154286 |
| 1054 | 0.00154545 |
| 1055 | 0.0016 |
| 1056 | 0.0016 |
| 1057 | 0.001625 |
| 1058 | 0.00163636 |
| 1059 | 0.00163636 |
| 1060 | 0.00166667 |
| 1061 | 0.00166667 |
| 1062 | 0.00166667 |
| 1063 | 0.00166667 |
| 1064 | 0.0016875 |
| 1065 | 0.00170833 |
| 1066 | 0.00171429 |
| 1067 | 0.00174194 |
| 1068 | 0.00176471 |
| 1069 | 0.00185714 |
| 1070 | 0.001875 |
| 1071 | 0.00188889 |
| 1072 | 0.002 |
| 1073 | 0.002 |
| 1074 | 0.002 |
| 1075 | 0.002 |
| 1076 | 0.002 |
| 1077 | 0.002 |
| 1078 | 0.002 |
| 1079 | 0.002 |
| 1080 | 0.00207692 |
| 1081 | 0.002125 |
| 1082 | 0.00214286 |
| 1083 | 0.00228571 |
| 1084 | 0.00230769 |
| 1085 | 0.00234783 |
| 1086 | 0.0024 |
| 1087 | 0.00242857 |
| 1088 | 0.00245455 |
| 1089 | 0.0025 |
| 1090 | 0.0025 |
| 1091 | 0.0025 |
| 1092 | 0.0025 |
| 1093 | 0.0025 |
| 1094 | 0.00257143 |
| 1095 | 0.00266667 |
| 1096 | 0.0027 |
| 1097 | 0.00272222 |
| 1098 | 0.00272727 |
| 1099 | 0.0028 |

| | |
|---|---|
| 1100 | 0.00283333 |
| 1101 | 0.00284211 |
| 1102 | 0.00288235 |
| 1103 | 0.003 |
| 1104 | 0.003 |
| 1105 | 0.003 |
| 1106 | 0.003 |
| 1107 | 0.003 |
| 1108 | 0.003 |
| 1109 | 0.0030625 |
| 1110 | 0.0032 |
| 1111 | 0.00325 |
| 1112 | 0.00326667 |
| 1113 | 0.00333333 |
| 1114 | 0.00346667 |
| 1115 | 0.0035 |
| 1116 | 0.00370588 |
| 1117 | 0.00375 |
| 1118 | 0.004 |
| 1119 | 0.004 |
| 1120 | 0.004 |
| 1121 | 0.004 |
| 1122 | 0.00408333 |
| 1123 | 0.00425 |
| 1124 | 0.00428571 |
| 1125 | 0.00433333 |
| 1126 | 0.00445455 |
| 1127 | 0.0045 |
| 1128 | 0.0049 |
| 1129 | 0.005 |
| 1130 | 0.005 |
| 1131 | 0.005 |
| 1132 | 0.00525 |
| 1133 | 0.00533333 |
| 1134 | 0.00544444 |
| 1135 | 0.0055 |
| 1136 | 0.00566667 |
| 1137 | 0.006 |
| 1138 | 0.006125 |
| 1139 | 0.0063 |
| 1140 | 0.0065 |
| 1141 | 0.007 |
| 1142 | 0.007 |
| 1143 | 0.0075 |
| 1144 | 0.007875 |
| 1145 | 0.008 |
| 1146 | 0.008 |
| 1147 | 0.0085 |
| 1148 | 0.0085 |
| 1149 | 0.0085 |
| 1150 | 0.0086 |
| 1151 | 0.009 |
| 1152 | 0.00933333 |
| 1153 | 0.01 |
| 1154 | 0.0108333 |
| 1155 | 0.012 |
| 1156 | 0.0123333 |

| | |
|---|---|
| 1157 | 0.0126 |
| 1158 | 0.015 |
| 1159 | 0.015 |
| 1160 | 0.015 |
| 1161 | 0.01575 |
| 1162 | 0.016 |
| 1163 | 0.01625 |
| 1164 | 0.021 |
| 1165 | 0.022 |
| 1166 | 0.0235 |
| 1167 | 0.0245 |
| 1168 | 0.0245 |
| 1169 | 0.028 |
| 1170 | 0.03 |
| 1171 | 0.032 |
| 1172 | 0.045 |
| 1173 | 0.046 |
| 1174 | 0.06 |
| 1175 | 0.065 |
| 1176 | 0.075 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.088 | 2 |
| 2 | 0.025 | 17 |
| 3 | 0.036 | 2 |
| 4 | 0.042 | 2 |
| 5 | 0.03 | 12 |
| 6 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/19/2014 | 1 |
| 9/30/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |

| | |
|---|---|
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 14556
B = 0
C = 5406
D = 0
E = 416
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12650
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 185
M1 = (1176 - 185)/2.0 = 495.5
M2 = (1176 + 185)/2.0 + 1 = 681.5
Lower limit is -0.000269231 = Q(495)
Upper limit is 0 = Q(682)
-0.000269231 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: RC 2
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.025 U (5/8/2013) | 0.088 (3/12/2013) | (0.025 - 0.088)/(2 - 1) | -0.063 |
| ND<0.025 U (9/23/2013) | 0.088 (3/12/2013) | (0.025 - 0.088)/(3 - 1) | -0.0315 |
| 0.062 (12/10/2013) | 0.088 (3/12/2013) | (0.062 - 0.088)/(4 - 1) | -0.00866667 |
| ND<0.025 U (2/6/2014) | 0.088 (3/12/2013) | (0.025 - 0.088)/(5 - 1) | -0.01575 |
| ND<0.025 U (6/26/2014) | 0.088 (3/12/2013) | (0.025 - 0.088)/(6 - 1) | -0.0126 |
| ND<0.025 U (9/30/2014) | 0.088 (3/12/2013) | (0.025 - 0.088)/(7 - 1) | -0.0105 |
| ND<0.025 U (11/19/2014) | 0.088 (3/12/2013) | (0.025 - 0.088)/(8 - 1) | -0.009 |
| 0.044 (3/23/2015) | 0.088 (3/12/2013) | (0.044 - 0.088)/(9 - 1) | -0.0055 |
| ND<0.025 U (4/22/2015) | 0.088 (3/12/2013) | (0.025 - 0.088)/(10 - 1) | -0.007 |
| ND<0.025 U (9/30/2015) | 0.088 (3/12/2013) | (0.025 - 0.088)/(11 - 1) | -0.0063 |
| ND<0.025 U (11/19/2015) | 0.088 (3/12/2013) | (0.025 - 0.088)/(12 - 1) | -0.00572727 |
| ND<0.025 U (3/15/2016) | 0.088 (3/12/2013) | (0.025 - 0.088)/(13 - 1) | -0.00525 |
| 0.077 (6/29/2016) | 0.088 (3/12/2013) | (0.077 - 0.088)/(14 - 1) | -0.000846154 |
| ND<0.025 U (8/9/2016) | 0.088 (3/12/2013) | (0.025 - 0.088)/(15 - 1) | -0.0045 |
| ND<0.025 U (12/7/2016) | 0.088 (3/12/2013) | (0.025 - 0.088)/(16 - 1) | -0.0042 |
| ND<0.025 U (3/2/2017) | 0.088 (3/12/2013) | (0.025 - 0.088)/(17 - 1) | -0.0039375 |
| ND<0.025 U (6/21/2017) | 0.088 (3/12/2013) | (0.025 - 0.088)/(18 - 1) | -0.00370588 |
| ND<0.025 U (8/17/2017) | 0.088 (3/12/2013) | (0.025 - 0.088)/(19 - 1) | -0.0035 |
| ND<0.025 U (10/26/2017) | 0.088 (3/12/2013) | (0.025 - 0.088)/(20 - 1) | -0.00331579 |
| ND<0.025 U (3/27/2018) | 0.088 (3/12/2013) | (0.025 - 0.088)/(21 - 1) | -0.00315 |
| ND<0.025 U (6/26/2018) | 0.088 (3/12/2013) | (0.025 - 0.088)/(22 - 1) | -0.003 |
| ND<0.025 U (8/1/2018) | 0.088 (3/12/2013) | (0.025 - 0.088)/(23 - 1) | -0.00286364 |
| ND<0.025 U (12/11/2018) | 0.088 (3/12/2013) | (0.025 - 0.088)/(24 - 1) | -0.00273913 |
| ND<0.025 U (4/17/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(25 - 1) | -0.002625 |
| ND<0.025 U (6/11/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(26 - 1) | -0.00252 |
| ND<0.025 U (8/28/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(27 - 1) | -0.00242308 |
| ND<0.025 U (10/28/2019) | 0.088 (3/12/2013) | (0.025 - 0.088)/(28 - 1) | -0.00233333 |
| 0.029 (3/31/2020) | 0.088 (3/12/2013) | (0.029 - 0.088)/(29 - 1) | -0.00210714 |
| ND<0.03 U (6/10/2020) | 0.088 (3/12/2013) | (0.03 - 0.088)/(30 - 1) | -0.002 |
| ND<0.03 U (9/21/2020) | 0.088 (3/12/2013) | (0.03 - 0.088)/(31 - 1) | -0.00193333 |
| ND<0.03 U (12/17/2020) | 0.088 (3/12/2013) | (0.03 - 0.088)/(32 - 1) | -0.00187097 |
| ND<0.03 U (3/18/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(33 - 1) | -0.0018125 |
| ND<0.03 U (5/5/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(34 - 1) | -0.00175758 |
| ND<0.03 U (9/2/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(35 - 1) | -0.00170588 |
| ND<0.03 U (11/23/2021) | 0.088 (3/12/2013) | (0.03 - 0.088)/(36 - 1) | -0.00165714 |
| ND<0.03 U (1/10/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(37 - 1) | -0.00161111 |
| ND<0.03 U (4/7/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(38 - 1) | -0.00156757 |
| ND<0.03 U (8/3/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(39 - 1) | -0.00152632 |
| ND<0.03 U (11/16/2022) | 0.088 (3/12/2013) | (0.03 - 0.088)/(40 - 1) | -0.00148718 |
| ND<0.03 U (2/13/2023) | 0.088 (3/12/2013) | (0.03 - 0.088)/(41 - 1) | -0.00145 |
| ND<0.014 U (5/24/2023) | 0.088 (3/12/2013) | (0.014 - 0.088)/(42 - 1) | -0.00180488 |
| ND<0.03 U (8/7/2023) | 0.088 (3/12/2013) | (0.03 - 0.088)/(43 - 1) | -0.00138095 |
| ND<0.014 U (12/12/2023) | 0.088 (3/12/2013) | (0.014 - 0.088)/(44 - 1) | -0.00172093 |
| 0.015 (1/10/2024) | 0.088 (3/12/2013) | (0.015 - 0.088)/(45 - 1) | -0.00165909 |
| 0.016 (5/20/2024) | 0.088 (3/12/2013) | (0.016 - 0.088)/(46 - 1) | -0.0016 |
| 0.024 (9/16/2024) | 0.088 (3/12/2013) | (0.024 - 0.088)/(47 - 1) | -0.0013913 |
| ND<0.0196 U (12/11/2024) | 0.088 (3/12/2013) | (0.0196 - 0.088)/(48 - 1) | -0.00145532 |
| 0.055 (2/18/2025) | 0.088 (3/12/2013) | (0.055 - 0.088)/(49 - 1) | -0.0006875 |

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|---|---|---|---|
| ND<0.025 U (9/23/2013) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(3 - 2) | 0 |
| 0.062 (12/10/2013) | ND<0.025 U (5/8/2013) | (0.062 - 0.025)/(4 - 2) | 0.0185 |
| ND<0.025 U (2/6/2014) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(5 - 2) | 0 |
| ND<0.025 U (6/26/2014) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(6 - 2) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(7 - 2) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(8 - 2) | 0 |
| 0.044 (3/23/2015) | ND<0.025 U (5/8/2013) | (0.044 - 0.025)/(9 - 2) | 0.00271429 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(10 - 2) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(11 - 2) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(12 - 2) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(13 - 2) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (5/8/2013) | (0.077 - 0.025)/(14 - 2) | 0.00433333 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(15 - 2) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(16 - 2) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(17 - 2) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(18 - 2) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(19 - 2) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(20 - 2) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(21 - 2) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(22 - 2) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(23 - 2) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(24 - 2) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(25 - 2) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(26 - 2) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(27 - 2) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (5/8/2013) | (0.025 - 0.025)/(28 - 2) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (5/8/2013) | (0.029 - 0.025)/(29 - 2) | 0.000148148 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(30 - 2) | 0.000178571 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(31 - 2) | 0.000172414 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(32 - 2) | 0.000166667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(33 - 2) | 0.00016129 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(34 - 2) | 0.00015625 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(35 - 2) | 0.000151515 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(36 - 2) | 0.000147059 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(37 - 2) | 0.000142857 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(38 - 2) | 0.000138889 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(39 - 2) | 0.000135135 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(40 - 2) | 0.000131579 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(41 - 2) | 0.000128205 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (5/8/2013) | (0.014 - 0.025)/(42 - 2) | -0.000275 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (5/8/2013) | (0.03 - 0.025)/(43 - 2) | 0.000121951 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (5/8/2013) | (0.014 - 0.025)/(44 - 2) | -0.000261905 |
| 0.015 (1/10/2024) | ND<0.025 U (5/8/2013) | (0.015 - 0.025)/(45 - 2) | -0.000232558 |
| 0.016 (5/20/2024) | ND<0.025 U (5/8/2013) | (0.016 - 0.025)/(46 - 2) | -0.000204545 |
| 0.024 (9/16/2024) | ND<0.025 U (5/8/2013) | (0.024 - 0.025)/(47 - 2) | -2.22222e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (5/8/2013) | (0.0196 - 0.025)/(48 - 2) | -0.000117391 |
| 0.055 (2/18/2025) | ND<0.025 U (5/8/2013) | (0.055 - 0.025)/(49 - 2) | 0.000638298 |
| | | | |
| 0.062 (12/10/2013) | ND<0.025 U (9/23/2013) | (0.062 - 0.025)/(4 - 3) | 0.037 |
| ND<0.025 U (2/6/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(5 - 3) | 0 |
| ND<0.025 U (6/26/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(6 - 3) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(7 - 3) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(8 - 3) | 0 |
| 0.044 (3/23/2015) | ND<0.025 U (9/23/2013) | (0.044 - 0.025)/(9 - 3) | 0.00316667 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(10 - 3) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(11 - 3) | 0 |

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|---|---|---|---|
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(12 - 3) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(13 - 3) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (9/23/2013) | (0.077 - 0.025)/(14 - 3) | 0.00472727 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(15 - 3) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(16 - 3) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(17 - 3) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(18 - 3) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(19 - 3) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(20 - 3) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(21 - 3) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(22 - 3) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(23 - 3) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(24 - 3) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(25 - 3) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(26 - 3) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(27 - 3) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (9/23/2013) | (0.025 - 0.025)/(28 - 3) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (9/23/2013) | (0.029 - 0.025)/(29 - 3) | 0.000153846 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(30 - 3) | 0.000185185 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(31 - 3) | 0.000178571 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(32 - 3) | 0.000172414 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(33 - 3) | 0.000166667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(34 - 3) | 0.00016129 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(35 - 3) | 0.00015625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(36 - 3) | 0.000151515 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(37 - 3) | 0.000147059 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(38 - 3) | 0.000142857 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(39 - 3) | 0.000138889 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(40 - 3) | 0.000135135 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(41 - 3) | 0.000131579 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (9/23/2013) | (0.014 - 0.025)/(42 - 3) | -0.000282051 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/23/2013) | (0.03 - 0.025)/(43 - 3) | 0.000125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/23/2013) | (0.014 - 0.025)/(44 - 3) | -0.000268293 |
| 0.015 (1/10/2024) | ND<0.025 U (9/23/2013) | (0.015 - 0.025)/(45 - 3) | -0.000238095 |
| 0.016 (5/20/2024) | ND<0.025 U (9/23/2013) | (0.016 - 0.025)/(46 - 3) | -0.000209302 |
| 0.024 (9/16/2024) | ND<0.025 U (9/23/2013) | (0.024 - 0.025)/(47 - 3) | -2.27273e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/23/2013) | (0.0196 - 0.025)/(48 - 3) | -0.00012 |
| 0.055 (2/18/2025) | ND<0.025 U (9/23/2013) | (0.055 - 0.025)/(49 - 3) | 0.000652174 |
| | | | |
| ND<0.025 U (2/6/2014) | 0.062 (12/10/2013) | (0.025 - 0.062)/(5 - 4) | -0.037 |
| ND<0.025 U (6/26/2014) | 0.062 (12/10/2013) | (0.025 - 0.062)/(6 - 4) | -0.0185 |
| ND<0.025 U (9/30/2014) | 0.062 (12/10/2013) | (0.025 - 0.062)/(7 - 4) | -0.0123333 |
| ND<0.025 U (11/19/2014) | 0.062 (12/10/2013) | (0.025 - 0.062)/(8 - 4) | -0.00925 |
| 0.044 (3/23/2015) | 0.062 (12/10/2013) | (0.044 - 0.062)/(9 - 4) | -0.0036 |
| ND<0.025 U (4/22/2015) | 0.062 (12/10/2013) | (0.025 - 0.062)/(10 - 4) | -0.00616667 |
| ND<0.025 U (9/30/2015) | 0.062 (12/10/2013) | (0.025 - 0.062)/(11 - 4) | -0.00528571 |
| ND<0.025 U (11/19/2015) | 0.062 (12/10/2013) | (0.025 - 0.062)/(12 - 4) | -0.004625 |
| ND<0.025 U (3/15/2016) | 0.062 (12/10/2013) | (0.025 - 0.062)/(13 - 4) | -0.00411111 |
| 0.077 (6/29/2016) | 0.062 (12/10/2013) | (0.077 - 0.062)/(14 - 4) | 0.0015 |
| ND<0.025 U (8/9/2016) | 0.062 (12/10/2013) | (0.025 - 0.062)/(15 - 4) | -0.00336364 |
| ND<0.025 U (12/7/2016) | 0.062 (12/10/2013) | (0.025 - 0.062)/(16 - 4) | -0.00308333 |
| ND<0.025 U (3/2/2017) | 0.062 (12/10/2013) | (0.025 - 0.062)/(17 - 4) | -0.00284615 |
| ND<0.025 U (6/21/2017) | 0.062 (12/10/2013) | (0.025 - 0.062)/(18 - 4) | -0.00264286 |
| ND<0.025 U (8/17/2017) | 0.062 (12/10/2013) | (0.025 - 0.062)/(19 - 4) | -0.00246667 |
| ND<0.025 U (10/26/2017) | 0.062 (12/10/2013) | (0.025 - 0.062)/(20 - 4) | -0.0023125 |
| ND<0.025 U (3/27/2018) | 0.062 (12/10/2013) | (0.025 - 0.062)/(21 - 4) | -0.00217647 |
| ND<0.025 U (6/26/2018) | 0.062 (12/10/2013) | (0.025 - 0.062)/(22 - 4) | -0.00205556 |

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|---|---|---|---|
| ND<0.025 U (8/1/2018) | 0.062 (12/10/2013) | (0.025 - 0.062)/(23 - 4) | -0.00194737 |
| ND<0.025 U (12/11/2018) | 0.062 (12/10/2013) | (0.025 - 0.062)/(24 - 4) | -0.00185 |
| ND<0.025 U (4/17/2019) | 0.062 (12/10/2013) | (0.025 - 0.062)/(25 - 4) | -0.0017619 |
| ND<0.025 U (6/11/2019) | 0.062 (12/10/2013) | (0.025 - 0.062)/(26 - 4) | -0.00168182 |
| ND<0.025 U (8/28/2019) | 0.062 (12/10/2013) | (0.025 - 0.062)/(27 - 4) | -0.0016087 |
| ND<0.025 U (10/28/2019) | 0.062 (12/10/2013) | (0.025 - 0.062)/(28 - 4) | -0.00154167 |
| 0.029 (3/31/2020) | 0.062 (12/10/2013) | (0.029 - 0.062)/(29 - 4) | -0.00132 |
| ND<0.03 U (6/10/2020) | 0.062 (12/10/2013) | (0.03 - 0.062)/(30 - 4) | -0.00123077 |
| ND<0.03 U (9/21/2020) | 0.062 (12/10/2013) | (0.03 - 0.062)/(31 - 4) | -0.00118519 |
| ND<0.03 U (12/17/2020) | 0.062 (12/10/2013) | (0.03 - 0.062)/(32 - 4) | -0.00114286 |
| ND<0.03 U (3/18/2021) | 0.062 (12/10/2013) | (0.03 - 0.062)/(33 - 4) | -0.00110345 |
| ND<0.03 U (5/5/2021) | 0.062 (12/10/2013) | (0.03 - 0.062)/(34 - 4) | -0.00106667 |
| ND<0.03 U (9/2/2021) | 0.062 (12/10/2013) | (0.03 - 0.062)/(35 - 4) | -0.00103226 |
| ND<0.03 U (11/23/2021) | 0.062 (12/10/2013) | (0.03 - 0.062)/(36 - 4) | -0.001 |
| ND<0.03 U (1/10/2022) | 0.062 (12/10/2013) | (0.03 - 0.062)/(37 - 4) | -0.000969697 |
| ND<0.03 U (4/7/2022) | 0.062 (12/10/2013) | (0.03 - 0.062)/(38 - 4) | -0.000941176 |
| ND<0.03 U (8/3/2022) | 0.062 (12/10/2013) | (0.03 - 0.062)/(39 - 4) | -0.000914286 |
| ND<0.03 U (11/16/2022) | 0.062 (12/10/2013) | (0.03 - 0.062)/(40 - 4) | -0.000888889 |
| ND<0.03 U (2/13/2023) | 0.062 (12/10/2013) | (0.03 - 0.062)/(41 - 4) | -0.000864865 |
| ND<0.014 U (5/24/2023) | 0.062 (12/10/2013) | (0.014 - 0.062)/(42 - 4) | -0.00126316 |
| ND<0.03 U (8/7/2023) | 0.062 (12/10/2013) | (0.03 - 0.062)/(43 - 4) | -0.000820513 |
| ND<0.014 U (12/12/2023) | 0.062 (12/10/2013) | (0.014 - 0.062)/(44 - 4) | -0.0012 |
| 0.015 (1/10/2024) | 0.062 (12/10/2013) | (0.015 - 0.062)/(45 - 4) | -0.00114634 |
| 0.016 (5/20/2024) | 0.062 (12/10/2013) | (0.016 - 0.062)/(46 - 4) | -0.00109524 |
| 0.024 (9/16/2024) | 0.062 (12/10/2013) | (0.024 - 0.062)/(47 - 4) | -0.000883721 |
| ND<0.0196 U (12/11/2024) | 0.062 (12/10/2013) | (0.0196 - 0.062)/(48 - 4) | -0.000963636 |
| 0.055 (2/18/2025) | 0.062 (12/10/2013) | (0.055 - 0.062)/(49 - 4) | -0.000155556 |

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|---|---|---|---|
| ND<0.025 U (6/26/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(6 - 5) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(7 - 5) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(8 - 5) | 0 |
| 0.044 (3/23/2015) | ND<0.025 U (2/6/2014) | (0.044 - 0.025)/(9 - 5) | 0.00475 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(10 - 5) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(11 - 5) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(12 - 5) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(13 - 5) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (2/6/2014) | (0.077 - 0.025)/(14 - 5) | 0.00577778 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(15 - 5) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(16 - 5) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(17 - 5) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(18 - 5) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(19 - 5) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(20 - 5) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(21 - 5) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(22 - 5) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(23 - 5) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(24 - 5) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(25 - 5) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(26 - 5) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(27 - 5) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(28 - 5) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (2/6/2014) | (0.029 - 0.025)/(29 - 5) | 0.000166667 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(30 - 5) | 0.0002 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(31 - 5) | 0.000192308 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(32 - 5) | 0.000185185 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(33 - 5) | 0.000178571 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(34 - 5) | 0.000172414 |

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|---|---|---|---|
| ND<0.03 U (9/2/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(35 - 5) | 0.000166667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(36 - 5) | 0.00016129 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(37 - 5) | 0.00015625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(38 - 5) | 0.000151515 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(39 - 5) | 0.000147059 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(40 - 5) | 0.000142857 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(41 - 5) | 0.000138889 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(42 - 5) | -0.000297297 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(43 - 5) | 0.000131579 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(44 - 5) | -0.000282051 |
| 0.015 (1/10/2024) | ND<0.025 U (2/6/2014) | (0.015 - 0.025)/(45 - 5) | -0.00025 |
| 0.016 (5/20/2024) | ND<0.025 U (2/6/2014) | (0.016 - 0.025)/(46 - 5) | -0.000219512 |
| 0.024 (9/16/2024) | ND<0.025 U (2/6/2014) | (0.024 - 0.025)/(47 - 5) | -2.38095e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (2/6/2014) | (0.0196 - 0.025)/(48 - 5) | -0.000125581 |
| 0.055 (2/18/2025) | ND<0.025 U (2/6/2014) | (0.055 - 0.025)/(49 - 5) | 0.000681818 |
| | | | |
| ND<0.025 U (9/30/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(7 - 6) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(8 - 6) | 0 |
| 0.044 (3/23/2015) | ND<0.025 U (6/26/2014) | (0.044 - 0.025)/(9 - 6) | 0.00633333 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(10 - 6) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(11 - 6) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(12 - 6) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(13 - 6) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (6/26/2014) | (0.077 - 0.025)/(14 - 6) | 0.0065 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(15 - 6) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(16 - 6) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(17 - 6) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(18 - 6) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(19 - 6) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(20 - 6) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(21 - 6) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(22 - 6) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(23 - 6) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(24 - 6) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(25 - 6) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(28 - 6) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (6/26/2014) | (0.029 - 0.025)/(29 - 6) | 0.000173913 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(30 - 6) | 0.000208333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(32 - 6) | 0.000192308 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(34 - 6) | 0.000178571 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(35 - 6) | 0.000172414 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(36 - 6) | 0.000166667 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(37 - 6) | 0.00016129 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(38 - 6) | 0.00015625 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(41 - 6) | 0.000142857 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(42 - 6) | -0.000305556 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(43 - 6) | 0.000135135 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(44 - 6) | -0.000289474 |
| 0.015 (1/10/2024) | ND<0.025 U (6/26/2014) | (0.015 - 0.025)/(45 - 6) | -0.00025641 |
| 0.016 (5/20/2024) | ND<0.025 U (6/26/2014) | (0.016 - 0.025)/(46 - 6) | -0.000225 |
| 0.024 (9/16/2024) | ND<0.025 U (6/26/2014) | (0.024 - 0.025)/(47 - 6) | -2.43902e-05 |

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|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/26/2014) | (0.0196 - 0.025)/(48 - 6) | -0.000128571 |
| 0.055 (2/18/2025) | ND<0.025 U (6/26/2014) | (0.055 - 0.025)/(49 - 6) | 0.000697674 |
| | | | |
| ND<0.025 U (11/19/2014) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(8 - 7) | 0 |
| 0.044 (3/23/2015) | ND<0.025 U (9/30/2014) | (0.044 - 0.025)/(9 - 7) | 0.0095 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(12 - 7) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(13 - 7) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (9/30/2014) | (0.077 - 0.025)/(14 - 7) | 0.00742857 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(18 - 7) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(19 - 7) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(20 - 7) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(23 - 7) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 7) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(28 - 7) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (9/30/2014) | (0.029 - 0.025)/(29 - 7) | 0.000181818 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 7) | 0.0002 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 7) | 0.000185185 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 7) | 0.000166667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(38 - 7) | 0.00016129 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 7) | 0.000151515 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(41 - 7) | 0.000147059 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(42 - 7) | -0.000314286 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(43 - 7) | 0.000138889 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(44 - 7) | -0.000297297 |
| 0.015 (1/10/2024) | ND<0.025 U (9/30/2014) | (0.015 - 0.025)/(45 - 7) | -0.000263158 |
| 0.016 (5/20/2024) | ND<0.025 U (9/30/2014) | (0.016 - 0.025)/(46 - 7) | -0.000230769 |
| 0.024 (9/16/2024) | ND<0.025 U (9/30/2014) | (0.024 - 0.025)/(47 - 7) | -2.5e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/30/2014) | (0.0196 - 0.025)/(48 - 7) | -0.000131707 |
| 0.055 (2/18/2025) | ND<0.025 U (9/30/2014) | (0.055 - 0.025)/(49 - 7) | 0.000714286 |
| | | | |
| 0.044 (3/23/2015) | ND<0.025 U (11/19/2014) | (0.044 - 0.025)/(9 - 8) | 0.019 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(10 - 8) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(11 - 8) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(12 - 8) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(13 - 8) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (11/19/2014) | (0.077 - 0.025)/(14 - 8) | 0.00866667 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(15 - 8) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(16 - 8) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(17 - 8) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(18 - 8) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(19 - 8) | 0 |

| | | | |
|---|---|---|---|
| ND<0.025 U (10/26/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(20 - 8) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(21 - 8) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(22 - 8) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(23 - 8) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(24 - 8) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(25 - 8) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(26 - 8) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(27 - 8) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(28 - 8) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (11/19/2014) | (0.029 - 0.025)/(29 - 8) | 0.000190476 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(30 - 8) | 0.000227273 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(31 - 8) | 0.000217391 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(32 - 8) | 0.000208333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(33 - 8) | 0.0002 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(34 - 8) | 0.000192308 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(35 - 8) | 0.000185185 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(36 - 8) | 0.000178571 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(37 - 8) | 0.000172414 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(38 - 8) | 0.000166667 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(39 - 8) | 0.00016129 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(40 - 8) | 0.00015625 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(41 - 8) | 0.000151515 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (11/19/2014) | (0.014 - 0.025)/(42 - 8) | -0.000323529 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(43 - 8) | 0.000142857 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2014) | (0.014 - 0.025)/(44 - 8) | -0.000305556 |
| 0.015 (1/10/2024) | ND<0.025 U (11/19/2014) | (0.015 - 0.025)/(45 - 8) | -0.00027027 |
| 0.016 (5/20/2024) | ND<0.025 U (11/19/2014) | (0.016 - 0.025)/(46 - 8) | -0.000236842 |
| 0.024 (9/16/2024) | ND<0.025 U (11/19/2014) | (0.024 - 0.025)/(47 - 8) | -2.5641e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (11/19/2014) | (0.0196 - 0.025)/(48 - 8) | -0.000135 |
| 0.055 (2/18/2025) | ND<0.025 U (11/19/2014) | (0.055 - 0.025)/(49 - 8) | 0.000731707 |

| | | | |
|---|---|---|---|
| ND<0.025 U (4/22/2015) | 0.044 (3/23/2015) | (0.025 - 0.044)/(10 - 9) | -0.019 |
| ND<0.025 U (9/30/2015) | 0.044 (3/23/2015) | (0.025 - 0.044)/(11 - 9) | -0.0095 |
| ND<0.025 U (11/19/2015) | 0.044 (3/23/2015) | (0.025 - 0.044)/(12 - 9) | -0.00633333 |
| ND<0.025 U (3/15/2016) | 0.044 (3/23/2015) | (0.025 - 0.044)/(13 - 9) | -0.00475 |
| 0.077 (6/29/2016) | 0.044 (3/23/2015) | (0.077 - 0.044)/(14 - 9) | 0.0066 |
| ND<0.025 U (8/9/2016) | 0.044 (3/23/2015) | (0.025 - 0.044)/(15 - 9) | -0.00316667 |
| ND<0.025 U (12/7/2016) | 0.044 (3/23/2015) | (0.025 - 0.044)/(16 - 9) | -0.00271429 |
| ND<0.025 U (3/2/2017) | 0.044 (3/23/2015) | (0.025 - 0.044)/(17 - 9) | -0.002375 |
| ND<0.025 U (6/21/2017) | 0.044 (3/23/2015) | (0.025 - 0.044)/(18 - 9) | -0.00211111 |
| ND<0.025 U (8/17/2017) | 0.044 (3/23/2015) | (0.025 - 0.044)/(19 - 9) | -0.0019 |
| ND<0.025 U (10/26/2017) | 0.044 (3/23/2015) | (0.025 - 0.044)/(20 - 9) | -0.00172727 |
| ND<0.025 U (3/27/2018) | 0.044 (3/23/2015) | (0.025 - 0.044)/(21 - 9) | -0.00158333 |
| ND<0.025 U (6/26/2018) | 0.044 (3/23/2015) | (0.025 - 0.044)/(22 - 9) | -0.00146154 |
| ND<0.025 U (8/1/2018) | 0.044 (3/23/2015) | (0.025 - 0.044)/(23 - 9) | -0.00135714 |
| ND<0.025 U (12/11/2018) | 0.044 (3/23/2015) | (0.025 - 0.044)/(24 - 9) | -0.00126667 |
| ND<0.025 U (4/17/2019) | 0.044 (3/23/2015) | (0.025 - 0.044)/(25 - 9) | -0.0011875 |
| ND<0.025 U (6/11/2019) | 0.044 (3/23/2015) | (0.025 - 0.044)/(26 - 9) | -0.00111765 |
| ND<0.025 U (8/28/2019) | 0.044 (3/23/2015) | (0.025 - 0.044)/(27 - 9) | -0.00105556 |
| ND<0.025 U (10/28/2019) | 0.044 (3/23/2015) | (0.025 - 0.044)/(28 - 9) | -0.001 |
| 0.029 (3/31/2020) | 0.044 (3/23/2015) | (0.029 - 0.044)/(29 - 9) | -0.00075 |
| ND<0.03 U (6/10/2020) | 0.044 (3/23/2015) | (0.03 - 0.044)/(30 - 9) | -0.000666667 |
| ND<0.03 U (9/21/2020) | 0.044 (3/23/2015) | (0.03 - 0.044)/(31 - 9) | -0.000636364 |
| ND<0.03 U (12/17/2020) | 0.044 (3/23/2015) | (0.03 - 0.044)/(32 - 9) | -0.000608696 |
| ND<0.03 U (3/18/2021) | 0.044 (3/23/2015) | (0.03 - 0.044)/(33 - 9) | -0.000583333 |
| ND<0.03 U (5/5/2021) | 0.044 (3/23/2015) | (0.03 - 0.044)/(34 - 9) | -0.00056 |
| ND<0.03 U (9/2/2021) | 0.044 (3/23/2015) | (0.03 - 0.044)/(35 - 9) | -0.000538462 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | 0.044 (3/23/2015) | (0.03 - 0.044)/(36 - 9) | -0.000518519 |
| ND<0.03 U (1/10/2022) | 0.044 (3/23/2015) | (0.03 - 0.044)/(37 - 9) | -0.0005 |
| ND<0.03 U (4/7/2022) | 0.044 (3/23/2015) | (0.03 - 0.044)/(38 - 9) | -0.000482759 |
| ND<0.03 U (8/3/2022) | 0.044 (3/23/2015) | (0.03 - 0.044)/(39 - 9) | -0.000466667 |
| ND<0.03 U (11/16/2022) | 0.044 (3/23/2015) | (0.03 - 0.044)/(40 - 9) | -0.000451613 |
| ND<0.03 U (2/13/2023) | 0.044 (3/23/2015) | (0.03 - 0.044)/(41 - 9) | -0.0004375 |
| ND<0.014 U (5/24/2023) | 0.044 (3/23/2015) | (0.014 - 0.044)/(42 - 9) | -0.000909091 |
| ND<0.03 U (8/7/2023) | 0.044 (3/23/2015) | (0.03 - 0.044)/(43 - 9) | -0.000411765 |
| ND<0.014 U (12/12/2023) | 0.044 (3/23/2015) | (0.014 - 0.044)/(44 - 9) | -0.000857143 |
| 0.015 (1/10/2024) | 0.044 (3/23/2015) | (0.015 - 0.044)/(45 - 9) | -0.000805556 |
| 0.016 (5/20/2024) | 0.044 (3/23/2015) | (0.016 - 0.044)/(46 - 9) | -0.000756757 |
| 0.024 (9/16/2024) | 0.044 (3/23/2015) | (0.024 - 0.044)/(47 - 9) | -0.000526316 |
| ND<0.0196 U (12/11/2024) | 0.044 (3/23/2015) | (0.0196 - 0.044)/(48 - 9) | -0.000625641 |
| 0.055 (2/18/2025) | 0.044 (3/23/2015) | (0.055 - 0.044)/(49 - 9) | 0.000275 |
| | | | |
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(12 - 10) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(13 - 10) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (4/22/2015) | (0.077 - 0.025)/(14 - 10) | 0.013 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(18 - 10) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(19 - 10) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(20 - 10) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(23 - 10) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(28 - 10) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (4/22/2015) | (0.029 - 0.025)/(29 - 10) | 0.000210526 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(38 - 10) | 0.000178571 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(41 - 10) | 0.00016129 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(42 - 10) | -0.00034375 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(43 - 10) | 0.000151515 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(44 - 10) | -0.000323529 |
| 0.015 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.015 - 0.025)/(45 - 10) | -0.000285714 |
| 0.016 (5/20/2024) | ND<0.025 U (4/22/2015) | (0.016 - 0.025)/(46 - 10) | -0.00025 |
| 0.024 (9/16/2024) | ND<0.025 U (4/22/2015) | (0.024 - 0.025)/(47 - 10) | -2.7027e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (4/22/2015) | (0.0196 - 0.025)/(48 - 10) | -0.000142105 |
| 0.055 (2/18/2025) | ND<0.025 U (4/22/2015) | (0.055 - 0.025)/(49 - 10) | 0.000769231 |
| | | | |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(12 - 11) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(13 - 11) | 0 |

| | | | |
|---|---|---|---|
| 0.077 (6/29/2016) | ND<0.025 U (9/30/2015) | (0.077 - 0.025)/(14 - 11) | 0.0173333 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(18 - 11) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(19 - 11) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(20 - 11) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(23 - 11) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(28 - 11) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (9/30/2015) | (0.029 - 0.025)/(29 - 11) | 0.000222222 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(38 - 11) | 0.000185185 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(41 - 11) | 0.000166667 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(42 - 11) | -0.000354839 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(43 - 11) | 0.00015625 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(44 - 11) | -0.000333333 |
| 0.015 (1/10/2024) | ND<0.025 U (9/30/2015) | (0.015 - 0.025)/(45 - 11) | -0.000294118 |
| 0.016 (5/20/2024) | ND<0.025 U (9/30/2015) | (0.016 - 0.025)/(46 - 11) | -0.000257143 |
| 0.024 (9/16/2024) | ND<0.025 U (9/30/2015) | (0.024 - 0.025)/(47 - 11) | -2.77778e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/30/2015) | (0.0196 - 0.025)/(48 - 11) | -0.000145946 |
| 0.055 (2/18/2025) | ND<0.025 U (9/30/2015) | (0.055 - 0.025)/(49 - 11) | 0.000789474 |
| | | | |
| ND<0.025 U (3/15/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(13 - 12) | 0 |
| 0.077 (6/29/2016) | ND<0.025 U (11/19/2015) | (0.077 - 0.025)/(14 - 12) | 0.026 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(15 - 12) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(16 - 12) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(17 - 12) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(18 - 12) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(19 - 12) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(20 - 12) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(21 - 12) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(22 - 12) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(23 - 12) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(24 - 12) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(25 - 12) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(26 - 12) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(27 - 12) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(28 - 12) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (11/19/2015) | (0.029 - 0.025)/(29 - 12) | 0.000235294 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(30 - 12) | 0.000277778 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(31 - 12) | 0.000263158 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(32 - 12) | 0.00025 |

| | | | |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(33 - 12) | 0.000238095 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(34 - 12) | 0.000227273 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(35 - 12) | 0.000217391 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(36 - 12) | 0.000208333 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(37 - 12) | 0.0002 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(38 - 12) | 0.000192308 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(39 - 12) | 0.000185185 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(40 - 12) | 0.000178571 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(41 - 12) | 0.000172414 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(42 - 12) | -0.000366667 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(43 - 12) | 0.00016129 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(44 - 12) | -0.00034375 |
| 0.015 (1/10/2024) | ND<0.025 U (11/19/2015) | (0.015 - 0.025)/(45 - 12) | -0.00030303 |
| 0.016 (5/20/2024) | ND<0.025 U (11/19/2015) | (0.016 - 0.025)/(46 - 12) | -0.000264706 |
| 0.024 (9/16/2024) | ND<0.025 U (11/19/2015) | (0.024 - 0.025)/(47 - 12) | -2.85714e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (11/19/2015) | (0.0196 - 0.025)/(48 - 12) | -0.00015 |
| 0.055 (2/18/2025) | ND<0.025 U (11/19/2015) | (0.055 - 0.025)/(49 - 12) | 0.000810811 |
| | | | |
| 0.077 (6/29/2016) | ND<0.025 U (3/15/2016) | (0.077 - 0.025)/(14 - 13) | 0.052 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(15 - 13) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(16 - 13) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(17 - 13) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(18 - 13) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(19 - 13) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(20 - 13) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(21 - 13) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(22 - 13) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(23 - 13) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(24 - 13) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(25 - 13) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(26 - 13) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(27 - 13) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(28 - 13) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (3/15/2016) | (0.029 - 0.025)/(29 - 13) | 0.00025 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(30 - 13) | 0.000294118 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(31 - 13) | 0.000277778 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(32 - 13) | 0.000263158 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(33 - 13) | 0.00025 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(34 - 13) | 0.000238095 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(35 - 13) | 0.000227273 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(36 - 13) | 0.000217391 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(37 - 13) | 0.000208333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(38 - 13) | 0.0002 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(39 - 13) | 0.000192308 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(40 - 13) | 0.000185185 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(41 - 13) | 0.000178571 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(42 - 13) | -0.00037931 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(43 - 13) | 0.000166667 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(44 - 13) | -0.000354839 |
| 0.015 (1/10/2024) | ND<0.025 U (3/15/2016) | (0.015 - 0.025)/(45 - 13) | -0.0003125 |
| 0.016 (5/20/2024) | ND<0.025 U (3/15/2016) | (0.016 - 0.025)/(46 - 13) | -0.000272727 |
| 0.024 (9/16/2024) | ND<0.025 U (3/15/2016) | (0.024 - 0.025)/(47 - 13) | -2.94118e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/15/2016) | (0.0196 - 0.025)/(48 - 13) | -0.000154286 |
| 0.055 (2/18/2025) | ND<0.025 U (3/15/2016) | (0.055 - 0.025)/(49 - 13) | 0.000833333 |
| | | | |
| ND<0.025 U (8/9/2016) | 0.077 (6/29/2016) | (0.025 - 0.077)/(15 - 14) | -0.052 |
| ND<0.025 U (12/7/2016) | 0.077 (6/29/2016) | (0.025 - 0.077)/(16 - 14) | -0.026 |

| | | | |
|---|---|---|---|
| ND<0.025 U (3/2/2017) | 0.077 (6/29/2016) | (0.025 - 0.077)/(17 - 14) | -0.0173333 |
| ND<0.025 U (6/21/2017) | 0.077 (6/29/2016) | (0.025 - 0.077)/(18 - 14) | -0.013 |
| ND<0.025 U (8/17/2017) | 0.077 (6/29/2016) | (0.025 - 0.077)/(19 - 14) | -0.0104 |
| ND<0.025 U (10/26/2017) | 0.077 (6/29/2016) | (0.025 - 0.077)/(20 - 14) | -0.00866667 |
| ND<0.025 U (3/27/2018) | 0.077 (6/29/2016) | (0.025 - 0.077)/(21 - 14) | -0.00742857 |
| ND<0.025 U (6/26/2018) | 0.077 (6/29/2016) | (0.025 - 0.077)/(22 - 14) | -0.0065 |
| ND<0.025 U (8/1/2018) | 0.077 (6/29/2016) | (0.025 - 0.077)/(23 - 14) | -0.00577778 |
| ND<0.025 U (12/11/2018) | 0.077 (6/29/2016) | (0.025 - 0.077)/(24 - 14) | -0.0052 |
| ND<0.025 U (4/17/2019) | 0.077 (6/29/2016) | (0.025 - 0.077)/(25 - 14) | -0.00472727 |
| ND<0.025 U (6/11/2019) | 0.077 (6/29/2016) | (0.025 - 0.077)/(26 - 14) | -0.00433333 |
| ND<0.025 U (8/28/2019) | 0.077 (6/29/2016) | (0.025 - 0.077)/(27 - 14) | -0.004 |
| ND<0.025 U (10/28/2019) | 0.077 (6/29/2016) | (0.025 - 0.077)/(28 - 14) | -0.00371429 |
| 0.029 (3/31/2020) | 0.077 (6/29/2016) | (0.029 - 0.077)/(29 - 14) | -0.0032 |
| ND<0.03 U (6/10/2020) | 0.077 (6/29/2016) | (0.03 - 0.077)/(30 - 14) | -0.0029375 |
| ND<0.03 U (9/21/2020) | 0.077 (6/29/2016) | (0.03 - 0.077)/(31 - 14) | -0.00276471 |
| ND<0.03 U (12/17/2020) | 0.077 (6/29/2016) | (0.03 - 0.077)/(32 - 14) | -0.00261111 |
| ND<0.03 U (3/18/2021) | 0.077 (6/29/2016) | (0.03 - 0.077)/(33 - 14) | -0.00247368 |
| ND<0.03 U (5/5/2021) | 0.077 (6/29/2016) | (0.03 - 0.077)/(34 - 14) | -0.00235 |
| ND<0.03 U (9/2/2021) | 0.077 (6/29/2016) | (0.03 - 0.077)/(35 - 14) | -0.0022381 |
| ND<0.03 U (11/23/2021) | 0.077 (6/29/2016) | (0.03 - 0.077)/(36 - 14) | -0.00213636 |
| ND<0.03 U (1/10/2022) | 0.077 (6/29/2016) | (0.03 - 0.077)/(37 - 14) | -0.00204348 |
| ND<0.03 U (4/7/2022) | 0.077 (6/29/2016) | (0.03 - 0.077)/(38 - 14) | -0.00195833 |
| ND<0.03 U (8/3/2022) | 0.077 (6/29/2016) | (0.03 - 0.077)/(39 - 14) | -0.00188 |
| ND<0.03 U (11/16/2022) | 0.077 (6/29/2016) | (0.03 - 0.077)/(40 - 14) | -0.00180769 |
| ND<0.03 U (2/13/2023) | 0.077 (6/29/2016) | (0.03 - 0.077)/(41 - 14) | -0.00174074 |
| ND<0.014 U (5/24/2023) | 0.077 (6/29/2016) | (0.014 - 0.077)/(42 - 14) | -0.00225 |
| ND<0.03 U (8/7/2023) | 0.077 (6/29/2016) | (0.03 - 0.077)/(43 - 14) | -0.00162069 |
| ND<0.014 U (12/12/2023) | 0.077 (6/29/2016) | (0.014 - 0.077)/(44 - 14) | -0.0021 |
| 0.015 (1/10/2024) | 0.077 (6/29/2016) | (0.015 - 0.077)/(45 - 14) | -0.002 |
| 0.016 (5/20/2024) | 0.077 (6/29/2016) | (0.016 - 0.077)/(46 - 14) | -0.00190625 |
| 0.024 (9/16/2024) | 0.077 (6/29/2016) | (0.024 - 0.077)/(47 - 14) | -0.00160606 |
| ND<0.0196 U (12/11/2024) | 0.077 (6/29/2016) | (0.0196 - 0.077)/(48 - 14) | -0.00168824 |
| 0.055 (2/18/2025) | 0.077 (6/29/2016) | (0.055 - 0.077)/(49 - 14) | -0.000628571 |

| | | | |
|---|---|---|---|
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(18 - 15) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(19 - 15) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(20 - 15) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(23 - 15) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(28 - 15) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (8/9/2016) | (0.029 - 0.025)/(29 - 15) | 0.000285714 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(38 - 15) | 0.000217391 |

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|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(41 - 15) | 0.000192308 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(42 - 15) | -0.000407407 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(43 - 15) | 0.000178571 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(44 - 15) | -0.00037931 |
| 0.015 (1/10/2024) | ND<0.025 U (8/9/2016) | (0.015 - 0.025)/(45 - 15) | -0.000333333 |
| 0.016 (5/20/2024) | ND<0.025 U (8/9/2016) | (0.016 - 0.025)/(46 - 15) | -0.000290323 |
| 0.024 (9/16/2024) | ND<0.025 U (8/9/2016) | (0.024 - 0.025)/(47 - 15) | -3.125e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/9/2016) | (0.0196 - 0.025)/(48 - 15) | -0.000163636 |
| 0.055 (2/18/2025) | ND<0.025 U (8/9/2016) | (0.055 - 0.025)/(49 - 15) | 0.000882353 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(18 - 16) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(19 - 16) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(20 - 16) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(23 - 16) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(28 - 16) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (12/7/2016) | (0.029 - 0.025)/(29 - 16) | 0.000307692 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(38 - 16) | 0.000227273 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(41 - 16) | 0.0002 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(42 - 16) | -0.000423077 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(43 - 16) | 0.000185185 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(44 - 16) | -0.000392857 |
| 0.015 (1/10/2024) | ND<0.025 U (12/7/2016) | (0.015 - 0.025)/(45 - 16) | -0.000344828 |
| 0.016 (5/20/2024) | ND<0.025 U (12/7/2016) | (0.016 - 0.025)/(46 - 16) | -0.0003 |
| 0.024 (9/16/2024) | ND<0.025 U (12/7/2016) | (0.024 - 0.025)/(47 - 16) | -3.22581e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/7/2016) | (0.0196 - 0.025)/(48 - 16) | -0.00016875 |
| 0.055 (2/18/2025) | ND<0.025 U (12/7/2016) | (0.055 - 0.025)/(49 - 16) | 0.000909091 |
| | | | |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(18 - 17) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(19 - 17) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(20 - 17) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(23 - 17) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(28 - 17) | 0 |

| | | | |
|---|---|---|---|
| 0.029 (3/31/2020) | ND<0.025 U (3/2/2017) | (0.029 - 0.025)/(29 - 17) | 0.000333333 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(38 - 17) | 0.000238095 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(41 - 17) | 0.000208333 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(42 - 17) | -0.00044 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(43 - 17) | 0.000192308 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(44 - 17) | -0.000407407 |
| 0.015 (1/10/2024) | ND<0.025 U (3/2/2017) | (0.015 - 0.025)/(45 - 17) | -0.000357143 |
| 0.016 (5/20/2024) | ND<0.025 U (3/2/2017) | (0.016 - 0.025)/(46 - 17) | -0.000310345 |
| 0.024 (9/16/2024) | ND<0.025 U (3/2/2017) | (0.024 - 0.025)/(47 - 17) | -3.33333e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/2/2017) | (0.0196 - 0.025)/(48 - 17) | -0.000174194 |
| 0.055 (2/18/2025) | ND<0.025 U (3/2/2017) | (0.055 - 0.025)/(49 - 17) | 0.0009375 |
| | | | |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(19 - 18) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(20 - 18) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(21 - 18) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(22 - 18) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(23 - 18) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(24 - 18) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(25 - 18) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(26 - 18) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(27 - 18) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(28 - 18) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (6/21/2017) | (0.029 - 0.025)/(29 - 18) | 0.000363636 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(31 - 18) | 0.000384615 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(32 - 18) | 0.000357143 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(33 - 18) | 0.000333333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(34 - 18) | 0.0003125 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(35 - 18) | 0.000294118 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(36 - 18) | 0.000277778 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(37 - 18) | 0.000263158 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(38 - 18) | 0.00025 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(39 - 18) | 0.000238095 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(40 - 18) | 0.000227273 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(41 - 18) | 0.000217391 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/21/2017) | (0.014 - 0.025)/(42 - 18) | -0.000458333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(43 - 18) | 0.0002 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/21/2017) | (0.014 - 0.025)/(44 - 18) | -0.000423077 |
| 0.015 (1/10/2024) | ND<0.025 U (6/21/2017) | (0.015 - 0.025)/(45 - 18) | -0.00037037 |
| 0.016 (5/20/2024) | ND<0.025 U (6/21/2017) | (0.016 - 0.025)/(46 - 18) | -0.000321429 |
| 0.024 (9/16/2024) | ND<0.025 U (6/21/2017) | (0.024 - 0.025)/(47 - 18) | -3.44828e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/21/2017) | (0.0196 - 0.025)/(48 - 18) | -0.00018 |
| 0.055 (2/18/2025) | ND<0.025 U (6/21/2017) | (0.055 - 0.025)/(49 - 18) | 0.000967742 |
| | | | |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(20 - 19) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(21 - 19) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.025 U (8/1/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(23 - 19) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(25 - 19) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(26 - 19) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(28 - 19) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (8/17/2017) | (0.029 - 0.025)/(29 - 19) | 0.0004 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(32 - 19) | 0.000384615 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(34 - 19) | 0.000333333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(35 - 19) | 0.0003125 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(36 - 19) | 0.000294118 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(37 - 19) | 0.000277778 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(38 - 19) | 0.000263158 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(41 - 19) | 0.000227273 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/17/2017) | (0.014 - 0.025)/(42 - 19) | -0.000478261 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(43 - 19) | 0.000208333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/17/2017) | (0.014 - 0.025)/(44 - 19) | -0.00044 |
| 0.015 (1/10/2024) | ND<0.025 U (8/17/2017) | (0.015 - 0.025)/(45 - 19) | -0.000384615 |
| 0.016 (5/20/2024) | ND<0.025 U (8/17/2017) | (0.016 - 0.025)/(46 - 19) | -0.000333333 |
| 0.024 (9/16/2024) | ND<0.025 U (8/17/2017) | (0.024 - 0.025)/(47 - 19) | -3.57143e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/17/2017) | (0.0196 - 0.025)/(48 - 19) | -0.000186207 |
| 0.055 (2/18/2025) | ND<0.025 U (8/17/2017) | (0.055 - 0.025)/(49 - 19) | 0.001 |

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|---|---|---|---|
| ND<0.025 U (3/27/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(21 - 20) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(22 - 20) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(23 - 20) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(24 - 20) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(25 - 20) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(26 - 20) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(27 - 20) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(28 - 20) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (10/26/2017) | (0.029 - 0.025)/(29 - 20) | 0.000444444 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(31 - 20) | 0.000454545 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(32 - 20) | 0.000416667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(33 - 20) | 0.000384615 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(34 - 20) | 0.000357143 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(35 - 20) | 0.000333333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(36 - 20) | 0.0003125 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(37 - 20) | 0.000294118 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(38 - 20) | 0.000277778 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(39 - 20) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(40 - 20) | 0.00025 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(41 - 20) | 0.000238095 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (10/26/2017) | (0.014 - 0.025)/(42 - 20) | -0.0005 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(43 - 20) | 0.000217391 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/26/2017) | (0.014 - 0.025)/(44 - 20) | -0.000458333 |
| 0.015 (1/10/2024) | ND<0.025 U (10/26/2017) | (0.015 - 0.025)/(45 - 20) | -0.0004 |
| 0.016 (5/20/2024) | ND<0.025 U (10/26/2017) | (0.016 - 0.025)/(46 - 20) | -0.000346154 |
| 0.024 (9/16/2024) | ND<0.025 U (10/26/2017) | (0.024 - 0.025)/(47 - 20) | -3.7037e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (10/26/2017) | (0.0196 - 0.025)/(48 - 20) | -0.000192857 |
| 0.055 (2/18/2025) | ND<0.025 U (10/26/2017) | (0.055 - 0.025)/(49 - 20) | 0.00103448 |

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|---|---|---|---|
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| ND<0.025 U (8/1/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(23 - 21) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(28 - 21) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (3/27/2018) | (0.029 - 0.025)/(29 - 21) | 0.0005 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(38 - 21) | 0.000294118 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(41 - 21) | 0.00025 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (3/27/2018) | (0.014 - 0.025)/(42 - 21) | -0.00052381 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(43 - 21) | 0.000227273 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/27/2018) | (0.014 - 0.025)/(44 - 21) | -0.000478261 |
| 0.015 (1/10/2024) | ND<0.025 U (3/27/2018) | (0.015 - 0.025)/(45 - 21) | -0.000416667 |
| 0.016 (5/20/2024) | ND<0.025 U (3/27/2018) | (0.016 - 0.025)/(46 - 21) | -0.00036 |
| 0.024 (9/16/2024) | ND<0.025 U (3/27/2018) | (0.024 - 0.025)/(47 - 21) | -3.84615e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/27/2018) | (0.0196 - 0.025)/(48 - 21) | -0.0002 |
| 0.055 (2/18/2025) | ND<0.025 U (3/27/2018) | (0.055 - 0.025)/(49 - 21) | 0.00107143 |
| | | | |
| ND<0.025 U (8/1/2018) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(23 - 22) | 0 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(28 - 22) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (6/26/2018) | (0.029 - 0.025)/(29 - 22) | 0.000571429 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(38 - 22) | 0.0003125 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(41 - 22) | 0.000263158 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/26/2018) | (0.014 - 0.025)/(42 - 22) | -0.00055 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(43 - 22) | 0.000238095 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2018) | (0.014 - 0.025)/(44 - 22) | -0.0005 |
| 0.015 (1/10/2024) | ND<0.025 U (6/26/2018) | (0.015 - 0.025)/(45 - 22) | -0.000434783 |
| 0.016 (5/20/2024) | ND<0.025 U (6/26/2018) | (0.016 - 0.025)/(46 - 22) | -0.000375 |
| 0.024 (9/16/2024) | ND<0.025 U (6/26/2018) | (0.024 - 0.025)/(47 - 22) | -4e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/26/2018) | (0.0196 - 0.025)/(48 - 22) | -0.000207692 |
| 0.055 (2/18/2025) | ND<0.025 U (6/26/2018) | (0.055 - 0.025)/(49 - 22) | 0.00111111 |

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|---|---|---|---|
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/1/2018) | (0.025 - 0.025)/(24 - 23) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/1/2018) | (0.025 - 0.025)/(25 - 23) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/1/2018) | (0.025 - 0.025)/(26 - 23) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/1/2018) | (0.025 - 0.025)/(27 - 23) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/1/2018) | (0.025 - 0.025)/(28 - 23) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (8/1/2018) | (0.029 - 0.025)/(29 - 23) | 0.000666667 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(30 - 23) | 0.000714286 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(31 - 23) | 0.000625 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(32 - 23) | 0.000555556 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(33 - 23) | 0.0005 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(34 - 23) | 0.000454545 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(35 - 23) | 0.000416667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(36 - 23) | 0.000384615 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(37 - 23) | 0.000357143 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(38 - 23) | 0.000333333 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(39 - 23) | 0.0003125 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(40 - 23) | 0.000294118 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(41 - 23) | 0.000277778 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/1/2018) | (0.014 - 0.025)/(42 - 23) | -0.000578947 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/1/2018) | (0.03 - 0.025)/(43 - 23) | 0.00025 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/1/2018) | (0.014 - 0.025)/(44 - 23) | -0.00052381 |
| 0.015 (1/10/2024) | ND<0.025 U (8/1/2018) | (0.015 - 0.025)/(45 - 23) | -0.000454545 |
| 0.016 (5/20/2024) | ND<0.025 U (8/1/2018) | (0.016 - 0.025)/(46 - 23) | -0.000391304 |
| 0.024 (9/16/2024) | ND<0.025 U (8/1/2018) | (0.024 - 0.025)/(47 - 23) | -4.16667e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/1/2018) | (0.0196 - 0.025)/(48 - 23) | -0.000216 |
| 0.055 (2/18/2025) | ND<0.025 U (8/1/2018) | (0.055 - 0.025)/(49 - 23) | 0.00115385 |
| | | | |
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(28 - 24) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (12/11/2018) | (0.029 - 0.025)/(29 - 24) | 0.0008 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(32 - 24) | 0.000625 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(37 - 24) | 0.000384615 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(38 - 24) | 0.000357143 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(41 - 24) | 0.000294118 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (12/11/2018) | (0.014 - 0.025)/(42 - 24) | -0.000611111 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(43 - 24) | 0.000263158 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/11/2018) | (0.014 - 0.025)/(44 - 24) | -0.00055 |
| 0.015 (1/10/2024) | ND<0.025 U (12/11/2018) | (0.015 - 0.025)/(45 - 24) | -0.00047619 |
| 0.016 (5/20/2024) | ND<0.025 U (12/11/2018) | (0.016 - 0.025)/(46 - 24) | -0.000409091 |
| 0.024 (9/16/2024) | ND<0.025 U (12/11/2018) | (0.024 - 0.025)/(47 - 24) | -4.34783e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/11/2018) | (0.0196 - 0.025)/(48 - 24) | -0.000225 |
| 0.055 (2/18/2025) | ND<0.025 U (12/11/2018) | (0.055 - 0.025)/(49 - 24) | 0.0012 |
| | | | |
| ND<0.025 U (6/11/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(28 - 25) | 0 |

| | | | |
|---|---|---|---|
| 0.029 (3/31/2020) | ND<0.025 U (4/17/2019) | (0.029 - 0.025)/(29 - 25) | 0.001 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(38 - 25) | 0.000384615 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(41 - 25) | 0.0003125 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (4/17/2019) | (0.014 - 0.025)/(42 - 25) | -0.000647059 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(43 - 25) | 0.000277778 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/17/2019) | (0.014 - 0.025)/(44 - 25) | -0.000578947 |
| 0.015 (1/10/2024) | ND<0.025 U (4/17/2019) | (0.015 - 0.025)/(45 - 25) | -0.0005 |
| 0.016 (5/20/2024) | ND<0.025 U (4/17/2019) | (0.016 - 0.025)/(46 - 25) | -0.000428571 |
| 0.024 (9/16/2024) | ND<0.025 U (4/17/2019) | (0.024 - 0.025)/(47 - 25) | -4.54545e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (4/17/2019) | (0.0196 - 0.025)/(48 - 25) | -0.000234783 |
| 0.055 (2/18/2025) | ND<0.025 U (4/17/2019) | (0.055 - 0.025)/(49 - 25) | 0.00125 |
| | | | |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/11/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| ND<0.025 U (10/28/2019) | ND<0.025 U (6/11/2019) | (0.025 - 0.025)/(28 - 26) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (6/11/2019) | (0.029 - 0.025)/(29 - 26) | 0.00133333 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(32 - 26) | 0.000833333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(35 - 26) | 0.000555556 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(37 - 26) | 0.000454545 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(38 - 26) | 0.000416667 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(41 - 26) | 0.000333333 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/11/2019) | (0.014 - 0.025)/(42 - 26) | -0.0006875 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(43 - 26) | 0.000294118 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/11/2019) | (0.014 - 0.025)/(44 - 26) | -0.000611111 |
| 0.015 (1/10/2024) | ND<0.025 U (6/11/2019) | (0.015 - 0.025)/(45 - 26) | -0.000526316 |
| 0.016 (5/20/2024) | ND<0.025 U (6/11/2019) | (0.016 - 0.025)/(46 - 26) | -0.00045 |
| 0.024 (9/16/2024) | ND<0.025 U (6/11/2019) | (0.024 - 0.025)/(47 - 26) | -4.7619e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/11/2019) | (0.0196 - 0.025)/(48 - 26) | -0.000245455 |
| 0.055 (2/18/2025) | ND<0.025 U (6/11/2019) | (0.055 - 0.025)/(49 - 26) | 0.00130435 |
| | | | |
| ND<0.025 U (10/28/2019) | ND<0.025 U (8/28/2019) | (0.025 - 0.025)/(28 - 27) | 0 |
| 0.029 (3/31/2020) | ND<0.025 U (8/28/2019) | (0.029 - 0.025)/(29 - 27) | 0.002 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(38 - 27) | 0.000454545 |

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|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/28/2019) | (0.014 - 0.025)/(42 - 27) | -0.000733333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(43 - 27) | 0.0003125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/28/2019) | (0.014 - 0.025)/(44 - 27) | -0.000647059 |
| 0.015 (1/10/2024) | ND<0.025 U (8/28/2019) | (0.015 - 0.025)/(45 - 27) | -0.000555556 |
| 0.016 (5/20/2024) | ND<0.025 U (8/28/2019) | (0.016 - 0.025)/(46 - 27) | -0.000473684 |
| 0.024 (9/16/2024) | ND<0.025 U (8/28/2019) | (0.024 - 0.025)/(47 - 27) | -5e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/28/2019) | (0.0196 - 0.025)/(48 - 27) | -0.000257143 |
| 0.055 (2/18/2025) | ND<0.025 U (8/28/2019) | (0.055 - 0.025)/(49 - 27) | 0.00136364 |
| | | | |
| 0.029 (3/31/2020) | ND<0.025 U (10/28/2019) | (0.029 - 0.025)/(29 - 28) | 0.004 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(30 - 28) | 0.0025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(31 - 28) | 0.00166667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(32 - 28) | 0.00125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(33 - 28) | 0.001 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(34 - 28) | 0.000833333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(35 - 28) | 0.000714286 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(36 - 28) | 0.000625 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(37 - 28) | 0.000555556 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(38 - 28) | 0.0005 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(39 - 28) | 0.000454545 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(40 - 28) | 0.000416667 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(41 - 28) | 0.000384615 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (10/28/2019) | (0.014 - 0.025)/(42 - 28) | -0.000785714 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/28/2019) | (0.03 - 0.025)/(43 - 28) | 0.000333333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/28/2019) | (0.014 - 0.025)/(44 - 28) | -0.0006875 |
| 0.015 (1/10/2024) | ND<0.025 U (10/28/2019) | (0.015 - 0.025)/(45 - 28) | -0.000588235 |
| 0.016 (5/20/2024) | ND<0.025 U (10/28/2019) | (0.016 - 0.025)/(46 - 28) | -0.0005 |
| 0.024 (9/16/2024) | ND<0.025 U (10/28/2019) | (0.024 - 0.025)/(47 - 28) | -5.26316e-05 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (10/28/2019) | (0.0196 - 0.025)/(48 - 28) | -0.00027 |
| 0.055 (2/18/2025) | ND<0.025 U (10/28/2019) | (0.055 - 0.025)/(49 - 28) | 0.00142857 |
| | | | |
| ND<0.03 U (6/10/2020) | 0.029 (3/31/2020) | (0.03 - 0.029)/(30 - 29) | 0.001 |
| ND<0.03 U (9/21/2020) | 0.029 (3/31/2020) | (0.03 - 0.029)/(31 - 29) | 0.0005 |
| ND<0.03 U (12/17/2020) | 0.029 (3/31/2020) | (0.03 - 0.029)/(32 - 29) | 0.000333333 |
| ND<0.03 U (3/18/2021) | 0.029 (3/31/2020) | (0.03 - 0.029)/(33 - 29) | 0.00025 |
| ND<0.03 U (5/5/2021) | 0.029 (3/31/2020) | (0.03 - 0.029)/(34 - 29) | 0.0002 |
| ND<0.03 U (9/2/2021) | 0.029 (3/31/2020) | (0.03 - 0.029)/(35 - 29) | 0.000166667 |
| ND<0.03 U (11/23/2021) | 0.029 (3/31/2020) | (0.03 - 0.029)/(36 - 29) | 0.000142857 |
| ND<0.03 U (1/10/2022) | 0.029 (3/31/2020) | (0.03 - 0.029)/(37 - 29) | 0.000125 |
| ND<0.03 U (4/7/2022) | 0.029 (3/31/2020) | (0.03 - 0.029)/(38 - 29) | 0.000111111 |
| ND<0.03 U (8/3/2022) | 0.029 (3/31/2020) | (0.03 - 0.029)/(39 - 29) | 0.0001 |
| ND<0.03 U (11/16/2022) | 0.029 (3/31/2020) | (0.03 - 0.029)/(40 - 29) | 9.09091e-05 |
| ND<0.03 U (2/13/2023) | 0.029 (3/31/2020) | (0.03 - 0.029)/(41 - 29) | 8.33333e-05 |
| ND<0.014 U (5/24/2023) | 0.029 (3/31/2020) | (0.014 - 0.029)/(42 - 29) | -0.00115385 |
| ND<0.03 U (8/7/2023) | 0.029 (3/31/2020) | (0.03 - 0.029)/(43 - 29) | 7.14286e-05 |
| ND<0.014 U (12/12/2023) | 0.029 (3/31/2020) | (0.014 - 0.029)/(44 - 29) | -0.001 |
| 0.015 (1/10/2024) | 0.029 (3/31/2020) | (0.015 - 0.029)/(45 - 29) | -0.000875 |
| 0.016 (5/20/2024) | 0.029 (3/31/2020) | (0.016 - 0.029)/(46 - 29) | -0.000764706 |
| 0.024 (9/16/2024) | 0.029 (3/31/2020) | (0.024 - 0.029)/(47 - 29) | -0.000277778 |
| ND<0.0196 U (12/11/2024) | 0.029 (3/31/2020) | (0.0196 - 0.029)/(48 - 29) | -0.000494737 |
| 0.055 (2/18/2025) | 0.029 (3/31/2020) | (0.055 - 0.029)/(49 - 29) | 0.0013 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(38 - 30) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(42 - 30) | -0.00133333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(43 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| 0.015 (1/10/2024) | ND<0.03 U (6/10/2020) | (0.015 - 0.03)/(45 - 30) | -0.001 |
| 0.016 (5/20/2024) | ND<0.03 U (6/10/2020) | (0.016 - 0.03)/(46 - 30) | -0.000875 |
| 0.024 (9/16/2024) | ND<0.03 U (6/10/2020) | (0.024 - 0.03)/(47 - 30) | -0.000352941 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (6/10/2020) | (0.0196 - 0.03)/(48 - 30) | -0.000577778 |
| 0.055 (2/18/2025) | ND<0.03 U (6/10/2020) | (0.055 - 0.03)/(49 - 30) | 0.00131579 |
| | | | |
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(38 - 31) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(42 - 31) | -0.00145455 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(43 - 31) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(44 - 31) | -0.00123077 |
| 0.015 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.015 - 0.03)/(45 - 31) | -0.00107143 |
| 0.016 (5/20/2024) | ND<0.03 U (9/21/2020) | (0.016 - 0.03)/(46 - 31) | -0.000933333 |
| 0.024 (9/16/2024) | ND<0.03 U (9/21/2020) | (0.024 - 0.03)/(47 - 31) | -0.000375 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/21/2020) | (0.0196 - 0.03)/(48 - 31) | -0.000611765 |
| 0.055 (2/18/2025) | ND<0.03 U (9/21/2020) | (0.055 - 0.03)/(49 - 31) | 0.00138889 |
| | | | |
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(34 - 32) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(35 - 32) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(37 - 32) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(38 - 32) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(41 - 32) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(42 - 32) | -0.0016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(43 - 32) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(44 - 32) | -0.00133333 |
| 0.015 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.015 - 0.03)/(45 - 32) | -0.00115385 |
| 0.016 (5/20/2024) | ND<0.03 U (12/17/2020) | (0.016 - 0.03)/(46 - 32) | -0.001 |
| 0.024 (9/16/2024) | ND<0.03 U (12/17/2020) | (0.024 - 0.03)/(47 - 32) | -0.0004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(48 - 32) | -0.00065 |
| 0.055 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.055 - 0.03)/(49 - 32) | 0.00147059 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(35 - 33) | 0 |

| | | | |
|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(37 - 33) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(38 - 33) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(42 - 33) | -0.00177778 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(43 - 33) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(44 - 33) | -0.00145455 |
| 0.015 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.015 - 0.03)/(45 - 33) | -0.00125 |
| 0.016 (5/20/2024) | ND<0.03 U (3/18/2021) | (0.016 - 0.03)/(46 - 33) | -0.00107692 |
| 0.024 (9/16/2024) | ND<0.03 U (3/18/2021) | (0.024 - 0.03)/(47 - 33) | -0.000428571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(48 - 33) | -0.000693333 |
| 0.055 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.055 - 0.03)/(49 - 33) | 0.0015625 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(35 - 34) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(36 - 34) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(37 - 34) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(38 - 34) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(41 - 34) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(42 - 34) | -0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(43 - 34) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(44 - 34) | -0.0016 |
| 0.015 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.015 - 0.03)/(45 - 34) | -0.00136364 |
| 0.016 (5/20/2024) | ND<0.03 U (5/5/2021) | (0.016 - 0.03)/(46 - 34) | -0.00116667 |
| 0.024 (9/16/2024) | ND<0.03 U (5/5/2021) | (0.024 - 0.03)/(47 - 34) | -0.000461538 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(48 - 34) | -0.000742857 |
| 0.055 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.055 - 0.03)/(49 - 34) | 0.00166667 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(36 - 35) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(37 - 35) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(38 - 35) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(40 - 35) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(41 - 35) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(42 - 35) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(43 - 35) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(44 - 35) | -0.00177778 |
| 0.015 (1/10/2024) | ND<0.03 U (9/2/2021) | (0.015 - 0.03)/(45 - 35) | -0.0015 |
| 0.016 (5/20/2024) | ND<0.03 U (9/2/2021) | (0.016 - 0.03)/(46 - 35) | -0.00127273 |
| 0.024 (9/16/2024) | ND<0.03 U (9/2/2021) | (0.024 - 0.03)/(47 - 35) | -0.0005 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/2/2021) | (0.0196 - 0.03)/(48 - 35) | -0.0008 |
| 0.055 (2/18/2025) | ND<0.03 U (9/2/2021) | (0.055 - 0.03)/(49 - 35) | 0.00178571 |
| | | | |
| ND<0.03 U (1/10/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(37 - 36) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(38 - 36) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(41 - 36) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(42 - 36) | -0.00266667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(43 - 36) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(44 - 36) | -0.002 |
| 0.015 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.015 - 0.03)/(45 - 36) | -0.00166667 |
| 0.016 (5/20/2024) | ND<0.03 U (11/23/2021) | (0.016 - 0.03)/(46 - 36) | -0.0014 |
| 0.024 (9/16/2024) | ND<0.03 U (11/23/2021) | (0.024 - 0.03)/(47 - 36) | -0.000545455 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(48 - 36) | -0.000866667 |
| 0.055 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.055 - 0.03)/(49 - 36) | 0.00192308 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(38 - 37) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(40 - 37) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(41 - 37) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (1/10/2022) | (0.014 - 0.03)/(42 - 37) | -0.0032 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(43 - 37) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/10/2022) | (0.014 - 0.03)/(44 - 37) | -0.00228571 |
| 0.015 (1/10/2024) | ND<0.03 U (1/10/2022) | (0.015 - 0.03)/(45 - 37) | -0.001875 |
| 0.016 (5/20/2024) | ND<0.03 U (1/10/2022) | (0.016 - 0.03)/(46 - 37) | -0.00155556 |
| 0.024 (9/16/2024) | ND<0.03 U (1/10/2022) | (0.024 - 0.03)/(47 - 37) | -0.0006 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (1/10/2022) | (0.0196 - 0.03)/(48 - 37) | -0.000945455 |
| 0.055 (2/18/2025) | ND<0.03 U (1/10/2022) | (0.055 - 0.03)/(49 - 37) | 0.00208333 |
| | | | |
| ND<0.03 U (8/3/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 38) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(40 - 38) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(41 - 38) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(42 - 38) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(43 - 38) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(44 - 38) | -0.00266667 |
| 0.015 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.015 - 0.03)/(45 - 38) | -0.00214286 |
| 0.016 (5/20/2024) | ND<0.03 U (4/7/2022) | (0.016 - 0.03)/(46 - 38) | -0.00175 |
| 0.024 (9/16/2024) | ND<0.03 U (4/7/2022) | (0.024 - 0.03)/(47 - 38) | -0.000666667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(48 - 38) | -0.00104 |
| 0.055 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.055 - 0.03)/(49 - 38) | 0.00227273 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(42 - 39) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(43 - 39) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(44 - 39) | -0.0032 |
| 0.015 (1/10/2024) | ND<0.03 U (8/3/2022) | (0.015 - 0.03)/(45 - 39) | -0.0025 |
| 0.016 (5/20/2024) | ND<0.03 U (8/3/2022) | (0.016 - 0.03)/(46 - 39) | -0.002 |
| 0.024 (9/16/2024) | ND<0.03 U (8/3/2022) | (0.024 - 0.03)/(47 - 39) | -0.00075 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/3/2022) | (0.0196 - 0.03)/(48 - 39) | -0.00115556 |
| 0.055 (2/18/2025) | ND<0.03 U (8/3/2022) | (0.055 - 0.03)/(49 - 39) | 0.0025 |
| | | | |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(42 - 40) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(43 - 40) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(44 - 40) | -0.004 |
| 0.015 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.015 - 0.03)/(45 - 40) | -0.003 |
| 0.016 (5/20/2024) | ND<0.03 U (11/16/2022) | (0.016 - 0.03)/(46 - 40) | -0.00233333 |
| 0.024 (9/16/2024) | ND<0.03 U (11/16/2022) | (0.024 - 0.03)/(47 - 40) | -0.000857143 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(48 - 40) | -0.0013 |
| 0.055 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.055 - 0.03)/(49 - 40) | 0.00277778 |
| | | | |
| ND<0.014 U (5/24/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(42 - 41) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/13/2023) | (0.03 - 0.03)/(43 - 41) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(44 - 41) | -0.00533333 |
| 0.015 (1/10/2024) | ND<0.03 U (2/13/2023) | (0.015 - 0.03)/(45 - 41) | -0.00375 |
| 0.016 (5/20/2024) | ND<0.03 U (2/13/2023) | (0.016 - 0.03)/(46 - 41) | -0.0028 |
| 0.024 (9/16/2024) | ND<0.03 U (2/13/2023) | (0.024 - 0.03)/(47 - 41) | -0.001 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/13/2023) | (0.0196 - 0.03)/(48 - 41) | -0.00148571 |
| 0.055 (2/18/2025) | ND<0.03 U (2/13/2023) | (0.055 - 0.03)/(49 - 41) | 0.003125 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/24/2023) | (0.03 - 0.014)/(43 - 42) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/24/2023) | (0.014 - 0.014)/(44 - 42) | 0 |
| 0.015 (1/10/2024) | ND<0.014 U (5/24/2023) | (0.015 - 0.014)/(45 - 42) | 0.000333333 |
| 0.016 (5/20/2024) | ND<0.014 U (5/24/2023) | (0.016 - 0.014)/(46 - 42) | 0.0005 |
| 0.024 (9/16/2024) | ND<0.014 U (5/24/2023) | (0.024 - 0.014)/(47 - 42) | 0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/24/2023) | (0.0196 - 0.014)/(48 - 42) | 0.000933333 |
| 0.055 (2/18/2025) | ND<0.014 U (5/24/2023) | (0.055 - 0.014)/(49 - 42) | 0.00585714 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(44 - 43) | -0.016 |
| 0.015 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.015 - 0.03)/(45 - 43) | -0.0075 |
| 0.016 (5/20/2024) | ND<0.03 U (8/7/2023) | (0.016 - 0.03)/(46 - 43) | -0.00466667 |
| 0.024 (9/16/2024) | ND<0.03 U (8/7/2023) | (0.024 - 0.03)/(47 - 43) | -0.0015 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(48 - 43) | -0.00208 |
| 0.055 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.055 - 0.03)/(49 - 43) | 0.00416667 |
| | | | |
| 0.015 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.015 - 0.014)/(45 - 44) | 0.001 |
| 0.016 (5/20/2024) | ND<0.014 U (12/12/2023) | (0.016 - 0.014)/(46 - 44) | 0.001 |
| 0.024 (9/16/2024) | ND<0.014 U (12/12/2023) | (0.024 - 0.014)/(47 - 44) | 0.00333333 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(48 - 44) | 0.0014 |
| 0.055 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.055 - 0.014)/(49 - 44) | 0.0082 |
| | | | |
| 0.016 (5/20/2024) | 0.015 (1/10/2024) | (0.016 - 0.015)/(46 - 45) | 0.001 |
| 0.024 (9/16/2024) | 0.015 (1/10/2024) | (0.024 - 0.015)/(47 - 45) | 0.0045 |
| ND<0.0196 U (12/11/2024) | 0.015 (1/10/2024) | (0.0196 - 0.015)/(48 - 45) | 0.00153333 |
| 0.055 (2/18/2025) | 0.015 (1/10/2024) | (0.055 - 0.015)/(49 - 45) | 0.01 |
| | | | |
| 0.024 (9/16/2024) | 0.016 (5/20/2024) | (0.024 - 0.016)/(47 - 46) | 0.008 |
| ND<0.0196 U (12/11/2024) | 0.016 (5/20/2024) | (0.0196 - 0.016)/(48 - 46) | 0.0018 |
| 0.055 (2/18/2025) | 0.016 (5/20/2024) | (0.055 - 0.016)/(49 - 46) | 0.013 |
| | | | |
| ND<0.0196 U (12/11/2024) | 0.024 (9/16/2024) | (0.0196 - 0.024)/(48 - 47) | -0.0044 |
| 0.055 (2/18/2025) | 0.024 (9/16/2024) | (0.055 - 0.024)/(49 - 47) | 0.0155 |
| | | | |
| 0.055 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.055 - 0.0196)/(49 - 48) | 0.0354 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.063 |
| 2 | -0.052 |
| 3 | -0.037 |
| 4 | -0.0315 |
| 5 | -0.026 |
| 6 | -0.019 |
| 7 | -0.0185 |
| 8 | -0.0173333 |
| 9 | -0.016 |
| 10 | -0.016 |
| 11 | -0.01575 |
| 12 | -0.013 |
| 13 | -0.0126 |
| 14 | -0.0123333 |
| 15 | -0.0105 |
| 16 | -0.0104 |

| | |
|---|---|
| 17 | -0.0095 |
| 18 | -0.00925 |
| 19 | -0.009 |
| 20 | -0.00866667 |
| 21 | -0.00866667 |
| 22 | -0.008 |
| 23 | -0.0075 |
| 24 | -0.00742857 |
| 25 | -0.007 |
| 26 | -0.0065 |
| 27 | -0.00633333 |
| 28 | -0.0063 |
| 29 | -0.00616667 |
| 30 | -0.00577778 |
| 31 | -0.00572727 |
| 32 | -0.0055 |
| 33 | -0.00533333 |
| 34 | -0.00533333 |
| 35 | -0.00528571 |
| 36 | -0.00525 |
| 37 | -0.0052 |
| 38 | -0.00475 |
| 39 | -0.00472727 |
| 40 | -0.00466667 |
| 41 | -0.004625 |
| 42 | -0.0045 |
| 43 | -0.0044 |
| 44 | -0.00433333 |
| 45 | -0.0042 |
| 46 | -0.00411111 |
| 47 | -0.004 |
| 48 | -0.004 |
| 49 | -0.004 |
| 50 | -0.0039375 |
| 51 | -0.00375 |
| 52 | -0.00371429 |
| 53 | -0.00370588 |
| 54 | -0.0036 |
| 55 | -0.0035 |
| 56 | -0.00336364 |
| 57 | -0.00331579 |
| 58 | -0.0032 |
| 59 | -0.0032 |
| 60 | -0.0032 |
| 61 | -0.00316667 |
| 62 | -0.00315 |
| 63 | -0.00308333 |
| 64 | -0.003 |
| 65 | -0.003 |
| 66 | -0.0029375 |
| 67 | -0.00286364 |
| 68 | -0.00284615 |
| 69 | -0.0028 |
| 70 | -0.00276471 |
| 71 | -0.00273913 |
| 72 | -0.00271429 |
| 73 | -0.00266667 |

| | |
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| 74 | -0.00266667 |
| 75 | -0.00264286 |
| 76 | -0.002625 |
| 77 | -0.00261111 |
| 78 | -0.00252 |
| 79 | -0.0025 |
| 80 | -0.00247368 |
| 81 | -0.00246667 |
| 82 | -0.00242308 |
| 83 | -0.002375 |
| 84 | -0.00235 |
| 85 | -0.00233333 |
| 86 | -0.00233333 |
| 87 | -0.0023125 |
| 88 | -0.00228571 |
| 89 | -0.00228571 |
| 90 | -0.00225 |
| 91 | -0.0022381 |
| 92 | -0.00217647 |
| 93 | -0.00214286 |
| 94 | -0.00213636 |
| 95 | -0.00211111 |
| 96 | -0.00210714 |
| 97 | -0.0021 |
| 98 | -0.00208 |
| 99 | -0.00205556 |
| 100 | -0.00204348 |
| 101 | -0.002 |
| 102 | -0.002 |
| 103 | -0.002 |
| 104 | -0.002 |
| 105 | -0.002 |
| 106 | -0.00195833 |
| 107 | -0.00194737 |
| 108 | -0.00193333 |
| 109 | -0.00190625 |
| 110 | -0.0019 |
| 111 | -0.00188 |
| 112 | -0.001875 |
| 113 | -0.00187097 |
| 114 | -0.00185 |
| 115 | -0.0018125 |
| 116 | -0.00180769 |
| 117 | -0.00180488 |
| 118 | -0.00177778 |
| 119 | -0.00177778 |
| 120 | -0.0017619 |
| 121 | -0.00175758 |
| 122 | -0.00175 |
| 123 | -0.00174074 |
| 124 | -0.00172727 |
| 125 | -0.00172093 |
| 126 | -0.00170588 |
| 127 | -0.00168824 |
| 128 | -0.00168182 |
| 129 | -0.00166667 |
| 130 | -0.00165909 |

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|---|---|
| 131 | -0.00165714 |
| 132 | -0.00162069 |
| 133 | -0.00161111 |
| 134 | -0.0016087 |
| 135 | -0.00160606 |
| 136 | -0.0016 |
| 137 | -0.0016 |
| 138 | -0.0016 |
| 139 | -0.00158333 |
| 140 | -0.00156757 |
| 141 | -0.00155556 |
| 142 | -0.00154167 |
| 143 | -0.00152632 |
| 144 | -0.0015 |
| 145 | -0.0015 |
| 146 | -0.00148718 |
| 147 | -0.00148571 |
| 148 | -0.00146154 |
| 149 | -0.00145532 |
| 150 | -0.00145455 |
| 151 | -0.00145455 |
| 152 | -0.00145 |
| 153 | -0.0014 |
| 154 | -0.0013913 |
| 155 | -0.00138095 |
| 156 | -0.00136364 |
| 157 | -0.00135714 |
| 158 | -0.00133333 |
| 159 | -0.00133333 |
| 160 | -0.00132 |
| 161 | -0.0013 |
| 162 | -0.00127273 |
| 163 | -0.00126667 |
| 164 | -0.00126316 |
| 165 | -0.00125 |
| 166 | -0.00123077 |
| 167 | -0.00123077 |
| 168 | -0.0012 |
| 169 | -0.0011875 |
| 170 | -0.00118519 |
| 171 | -0.00116667 |
| 172 | -0.00115556 |
| 173 | -0.00115385 |
| 174 | -0.00115385 |
| 175 | -0.00114634 |
| 176 | -0.00114286 |
| 177 | -0.00114286 |
| 178 | -0.00111765 |
| 179 | -0.00110345 |
| 180 | -0.00109524 |
| 181 | -0.00107692 |
| 182 | -0.00107143 |
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| 184 | -0.00105556 |
| 185 | -0.00104 |
| 186 | -0.00103226 |
| 187 | -0.001 |

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| 188 | -0.001 |
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| 195 | -0.000945455 |
| 196 | -0.000941176 |
| 197 | -0.000933333 |
| 198 | -0.000914286 |
| 199 | -0.000909091 |
| 200 | -0.000888889 |
| 201 | -0.000883721 |
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| 211 | -0.0008 |
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| 214 | -0.000756757 |
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| 218 | -0.000733333 |
| 219 | -0.000693333 |
| 220 | -0.0006875 |
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| 222 | -0.0006875 |
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| 227 | -0.000647059 |
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| 229 | -0.000628571 |
| 230 | -0.000625641 |
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| 232 | -0.000611111 |
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| 236 | -0.000588235 |
| 237 | -0.000583333 |
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| 239 | -0.000578947 |
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| 241 | -0.00056 |
| 242 | -0.000555556 |
| 243 | -0.00055 |
| 244 | -0.00055 |

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| 252 | -0.0005 |
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| 259 | -0.000482759 |
| 260 | -0.000478261 |
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| 262 | -0.00047619 |
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| 264 | -0.000466667 |
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| 266 | -0.000458333 |
| 267 | -0.000458333 |
| 268 | -0.000454545 |
| 269 | -0.000451613 |
| 270 | -0.00045 |
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| 273 | -0.0004375 |
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| 277 | -0.000423077 |
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| 287 | -0.000391304 |
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| 289 | -0.00037931 |
| 290 | -0.00037931 |
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| 293 | -0.00037037 |
| 294 | -0.000366667 |
| 295 | -0.00036 |
| 296 | -0.000357143 |
| 297 | -0.000354839 |
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| 300 | -0.000346154 |
| 301 | -0.000344828 |

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| 308 | -0.000323529 |
| 309 | -0.000321429 |
| 310 | -0.000314286 |
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| 319 | -0.000294118 |
| 320 | -0.000290323 |
| 321 | -0.000289474 |
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| 323 | -0.000282051 |
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| 326 | -0.000275 |
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| 328 | -0.00027027 |
| 329 | -0.00027 |
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| 333 | -0.000261905 |
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| 335 | -0.000257143 |
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| 371 | -5e-05 |
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| 373 | -4.54545e-05 |
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| 376 | -4e-05 |
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| 378 | -3.7037e-05 |
| 379 | -3.57143e-05 |
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| 382 | -3.22581e-05 |
| 383 | -3.125e-05 |
| 384 | -2.94118e-05 |
| 385 | -2.85714e-05 |
| 386 | -2.77778e-05 |
| 387 | -2.7027e-05 |
| 388 | -2.5641e-05 |
| 389 | -2.5e-05 |
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| 391 | -2.38095e-05 |
| 392 | -2.27273e-05 |
| 393 | -2.22222e-05 |
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| 676 | 0 |
| 677 | 0 |
| 678 | 0 |
| 679 | 0 |
| 680 | 0 |
| 681 | 0 |
| 682 | 0 |
| 683 | 0 |
| 684 | 0 |
| 685 | 0 |
| 686 | 0 |
| 687 | 0 |
| 688 | 0 |
| 689 | 0 |
| 690 | 0 |
| 691 | 0 |
| 692 | 0 |
| 693 | 0 |
| 694 | 0 |
| 695 | 0 |
| 696 | 0 |
| 697 | 0 |
| 698 | 0 |
| 699 | 0 |
| 700 | 0 |

| | |
|---|---|
| 701 | 0 |
| 702 | 0 |
| 703 | 0 |
| 704 | 0 |
| 705 | 0 |
| 706 | 0 |
| 707 | 0 |
| 708 | 0 |
| 709 | 0 |
| 710 | 0 |
| 711 | 0 |
| 712 | 0 |
| 713 | 0 |
| 714 | 0 |
| 715 | 0 |
| 716 | 0 |
| 717 | 0 |
| 718 | 0 |
| 719 | 0 |
| 720 | 0 |
| 721 | 0 |
| 722 | 0 |
| 723 | 0 |
| 724 | 0 |
| 725 | 0 |
| 726 | 0 |
| 727 | 0 |
| 728 | 0 |
| 729 | 0 |
| 730 | 0 |
| 731 | 0 |
| 732 | 0 |
| 733 | 0 |
| 734 | 0 |
| 735 | 0 |
| 736 | 0 |
| 737 | 0 |
| 738 | 0 |
| 739 | 0 |
| 740 | 0 |
| 741 | 0 |
| 742 | 0 |
| 743 | 0 |
| 744 | 0 |
| 745 | 0 |
| 746 | 0 |
| 747 | 0 |
| 748 | 0 |
| 749 | 7.14286e-05 |
| 750 | 8.33333e-05 |
| 751 | 9.09091e-05 |
| 752 | 0.0001 |
| 753 | 0.000111111 |
| 754 | 0.000121951 |
| 755 | 0.000125 |
| 756 | 0.000125 |
| 757 | 0.000128205 |

| | |
|---|---|
| 758 | 0.000131579 |
| 759 | 0.000131579 |
| 760 | 0.000131579 |
| 761 | 0.000135135 |
| 762 | 0.000135135 |
| 763 | 0.000135135 |
| 764 | 0.000138889 |
| 765 | 0.000138889 |
| 766 | 0.000138889 |
| 767 | 0.000138889 |
| 768 | 0.000142857 |
| 769 | 0.000142857 |
| 770 | 0.000142857 |
| 771 | 0.000142857 |
| 772 | 0.000142857 |
| 773 | 0.000142857 |
| 774 | 0.000147059 |
| 775 | 0.000147059 |
| 776 | 0.000147059 |
| 777 | 0.000147059 |
| 778 | 0.000147059 |
| 779 | 0.000148148 |
| 780 | 0.000151515 |
| 781 | 0.000151515 |
| 782 | 0.000151515 |
| 783 | 0.000151515 |
| 784 | 0.000151515 |
| 785 | 0.000151515 |
| 786 | 0.000151515 |
| 787 | 0.000153846 |
| 788 | 0.00015625 |
| 789 | 0.00015625 |
| 790 | 0.00015625 |
| 791 | 0.00015625 |
| 792 | 0.00015625 |
| 793 | 0.00015625 |
| 794 | 0.00015625 |
| 795 | 0.00016129 |
| 796 | 0.00016129 |
| 797 | 0.00016129 |
| 798 | 0.00016129 |
| 799 | 0.00016129 |
| 800 | 0.00016129 |
| 801 | 0.00016129 |
| 802 | 0.00016129 |
| 803 | 0.000166667 |
| 804 | 0.000166667 |
| 805 | 0.000166667 |
| 806 | 0.000166667 |
| 807 | 0.000166667 |
| 808 | 0.000166667 |
| 809 | 0.000166667 |
| 810 | 0.000166667 |
| 811 | 0.000166667 |
| 812 | 0.000166667 |
| 813 | 0.000166667 |
| 814 | 0.000172414 |

| | |
|---|---|
| 815 | 0.000172414 |
| 816 | 0.000172414 |
| 817 | 0.000172414 |
| 818 | 0.000172414 |
| 819 | 0.000172414 |
| 820 | 0.000172414 |
| 821 | 0.000172414 |
| 822 | 0.000172414 |
| 823 | 0.000173913 |
| 824 | 0.000178571 |
| 825 | 0.000178571 |
| 826 | 0.000178571 |
| 827 | 0.000178571 |
| 828 | 0.000178571 |
| 829 | 0.000178571 |
| 830 | 0.000178571 |
| 831 | 0.000178571 |
| 832 | 0.000178571 |
| 833 | 0.000178571 |
| 834 | 0.000178571 |
| 835 | 0.000181818 |
| 836 | 0.000185185 |
| 837 | 0.000185185 |
| 838 | 0.000185185 |
| 839 | 0.000185185 |
| 840 | 0.000185185 |
| 841 | 0.000185185 |
| 842 | 0.000185185 |
| 843 | 0.000185185 |
| 844 | 0.000185185 |
| 845 | 0.000185185 |
| 846 | 0.000190476 |
| 847 | 0.000192308 |
| 848 | 0.000192308 |
| 849 | 0.000192308 |
| 850 | 0.000192308 |
| 851 | 0.000192308 |
| 852 | 0.000192308 |
| 853 | 0.000192308 |
| 854 | 0.000192308 |
| 855 | 0.000192308 |
| 856 | 0.000192308 |
| 857 | 0.0002 |
| 858 | 0.0002 |
| 859 | 0.0002 |
| 860 | 0.0002 |
| 861 | 0.0002 |
| 862 | 0.0002 |
| 863 | 0.0002 |
| 864 | 0.0002 |
| 865 | 0.0002 |
| 866 | 0.0002 |
| 867 | 0.0002 |
| 868 | 0.0002 |
| 869 | 0.000208333 |
| 870 | 0.000208333 |
| 871 | 0.000208333 |

| | |
|---|---|
| 872 | 0.000208333 |
| 873 | 0.000208333 |
| 874 | 0.000208333 |
| 875 | 0.000208333 |
| 876 | 0.000208333 |
| 877 | 0.000208333 |
| 878 | 0.000208333 |
| 879 | 0.000208333 |
| 880 | 0.000210526 |
| 881 | 0.000217391 |
| 882 | 0.000217391 |
| 883 | 0.000217391 |
| 884 | 0.000217391 |
| 885 | 0.000217391 |
| 886 | 0.000217391 |
| 887 | 0.000217391 |
| 888 | 0.000217391 |
| 889 | 0.000217391 |
| 890 | 0.000217391 |
| 891 | 0.000217391 |
| 892 | 0.000222222 |
| 893 | 0.000227273 |
| 894 | 0.000227273 |
| 895 | 0.000227273 |
| 896 | 0.000227273 |
| 897 | 0.000227273 |
| 898 | 0.000227273 |
| 899 | 0.000227273 |
| 900 | 0.000227273 |
| 901 | 0.000227273 |
| 902 | 0.000227273 |
| 903 | 0.000227273 |
| 904 | 0.000235294 |
| 905 | 0.000238095 |
| 906 | 0.000238095 |
| 907 | 0.000238095 |
| 908 | 0.000238095 |
| 909 | 0.000238095 |
| 910 | 0.000238095 |
| 911 | 0.000238095 |
| 912 | 0.000238095 |
| 913 | 0.000238095 |
| 914 | 0.000238095 |
| 915 | 0.000238095 |
| 916 | 0.00025 |
| 917 | 0.00025 |
| 918 | 0.00025 |
| 919 | 0.00025 |
| 920 | 0.00025 |
| 921 | 0.00025 |
| 922 | 0.00025 |
| 923 | 0.00025 |
| 924 | 0.00025 |
| 925 | 0.00025 |
| 926 | 0.00025 |
| 927 | 0.00025 |
| 928 | 0.00025 |

| | |
|---|---|
| 929 | 0.00025 |
| 930 | 0.000263158 |
| 931 | 0.000263158 |
| 932 | 0.000263158 |
| 933 | 0.000263158 |
| 934 | 0.000263158 |
| 935 | 0.000263158 |
| 936 | 0.000263158 |
| 937 | 0.000263158 |
| 938 | 0.000263158 |
| 939 | 0.000263158 |
| 940 | 0.000263158 |
| 941 | 0.000263158 |
| 942 | 0.000275 |
| 943 | 0.000277778 |
| 944 | 0.000277778 |
| 945 | 0.000277778 |
| 946 | 0.000277778 |
| 947 | 0.000277778 |
| 948 | 0.000277778 |
| 949 | 0.000277778 |
| 950 | 0.000277778 |
| 951 | 0.000277778 |
| 952 | 0.000277778 |
| 953 | 0.000277778 |
| 954 | 0.000277778 |
| 955 | 0.000285714 |
| 956 | 0.000294118 |
| 957 | 0.000294118 |
| 958 | 0.000294118 |
| 959 | 0.000294118 |
| 960 | 0.000294118 |
| 961 | 0.000294118 |
| 962 | 0.000294118 |
| 963 | 0.000294118 |
| 964 | 0.000294118 |
| 965 | 0.000294118 |
| 966 | 0.000294118 |
| 967 | 0.000294118 |
| 968 | 0.000307692 |
| 969 | 0.0003125 |
| 970 | 0.0003125 |
| 971 | 0.0003125 |
| 972 | 0.0003125 |
| 973 | 0.0003125 |
| 974 | 0.0003125 |
| 975 | 0.0003125 |
| 976 | 0.0003125 |
| 977 | 0.0003125 |
| 978 | 0.0003125 |
| 979 | 0.0003125 |
| 980 | 0.0003125 |
| 981 | 0.000333333 |
| 982 | 0.000333333 |
| 983 | 0.000333333 |
| 984 | 0.000333333 |
| 985 | 0.000333333 |

| | |
|---|---|
| 986 | 0.000333333 |
| 987 | 0.000333333 |
| 988 | 0.000333333 |
| 989 | 0.000333333 |
| 990 | 0.000333333 |
| 991 | 0.000333333 |
| 992 | 0.000333333 |
| 993 | 0.000333333 |
| 994 | 0.000333333 |
| 995 | 0.000333333 |
| 996 | 0.000333333 |
| 997 | 0.000357143 |
| 998 | 0.000357143 |
| 999 | 0.000357143 |
| 1000 | 0.000357143 |
| 1001 | 0.000357143 |
| 1002 | 0.000357143 |
| 1003 | 0.000357143 |
| 1004 | 0.000357143 |
| 1005 | 0.000357143 |
| 1006 | 0.000357143 |
| 1007 | 0.000357143 |
| 1008 | 0.000357143 |
| 1009 | 0.000363636 |
| 1010 | 0.000384615 |
| 1011 | 0.000384615 |
| 1012 | 0.000384615 |
| 1013 | 0.000384615 |
| 1014 | 0.000384615 |
| 1015 | 0.000384615 |
| 1016 | 0.000384615 |
| 1017 | 0.000384615 |
| 1018 | 0.000384615 |
| 1019 | 0.000384615 |
| 1020 | 0.000384615 |
| 1021 | 0.000384615 |
| 1022 | 0.0004 |
| 1023 | 0.000416667 |
| 1024 | 0.000416667 |
| 1025 | 0.000416667 |
| 1026 | 0.000416667 |
| 1027 | 0.000416667 |
| 1028 | 0.000416667 |
| 1029 | 0.000416667 |
| 1030 | 0.000416667 |
| 1031 | 0.000416667 |
| 1032 | 0.000416667 |
| 1033 | 0.000416667 |
| 1034 | 0.000444444 |
| 1035 | 0.000454545 |
| 1036 | 0.000454545 |
| 1037 | 0.000454545 |
| 1038 | 0.000454545 |
| 1039 | 0.000454545 |
| 1040 | 0.000454545 |
| 1041 | 0.000454545 |
| 1042 | 0.000454545 |

| | |
|---|---|
| 1043 | 0.000454545 |
| 1044 | 0.000454545 |
| 1045 | 0.0005 |
| 1046 | 0.0005 |
| 1047 | 0.0005 |
| 1048 | 0.0005 |
| 1049 | 0.0005 |
| 1050 | 0.0005 |
| 1051 | 0.0005 |
| 1052 | 0.0005 |
| 1053 | 0.0005 |
| 1054 | 0.0005 |
| 1055 | 0.0005 |
| 1056 | 0.0005 |
| 1057 | 0.000555556 |
| 1058 | 0.000555556 |
| 1059 | 0.000555556 |
| 1060 | 0.000555556 |
| 1061 | 0.000555556 |
| 1062 | 0.000555556 |
| 1063 | 0.000555556 |
| 1064 | 0.000555556 |
| 1065 | 0.000571429 |
| 1066 | 0.000625 |
| 1067 | 0.000625 |
| 1068 | 0.000625 |
| 1069 | 0.000625 |
| 1070 | 0.000625 |
| 1071 | 0.000625 |
| 1072 | 0.000625 |
| 1073 | 0.000638298 |
| 1074 | 0.000652174 |
| 1075 | 0.000666667 |
| 1076 | 0.000681818 |
| 1077 | 0.000697674 |
| 1078 | 0.000714286 |
| 1079 | 0.000714286 |
| 1080 | 0.000714286 |
| 1081 | 0.000714286 |
| 1082 | 0.000714286 |
| 1083 | 0.000714286 |
| 1084 | 0.000714286 |
| 1085 | 0.000731707 |
| 1086 | 0.000769231 |
| 1087 | 0.000789474 |
| 1088 | 0.0008 |
| 1089 | 0.000810811 |
| 1090 | 0.000833333 |
| 1091 | 0.000833333 |
| 1092 | 0.000833333 |
| 1093 | 0.000833333 |
| 1094 | 0.000833333 |
| 1095 | 0.000833333 |
| 1096 | 0.000882353 |
| 1097 | 0.000909091 |
| 1098 | 0.000933333 |
| 1099 | 0.0009375 |

| | |
|---|---|
| 1100 | 0.000967742 |
| 1101 | 0.001 |
| 1102 | 0.001 |
| 1103 | 0.001 |
| 1104 | 0.001 |
| 1105 | 0.001 |
| 1106 | 0.001 |
| 1107 | 0.001 |
| 1108 | 0.001 |
| 1109 | 0.001 |
| 1110 | 0.001 |
| 1111 | 0.00103448 |
| 1112 | 0.00107143 |
| 1113 | 0.00111111 |
| 1114 | 0.00115385 |
| 1115 | 0.0012 |
| 1116 | 0.00125 |
| 1117 | 0.00125 |
| 1118 | 0.00125 |
| 1119 | 0.00125 |
| 1120 | 0.0013 |
| 1121 | 0.00130435 |
| 1122 | 0.00131579 |
| 1123 | 0.00133333 |
| 1124 | 0.00136364 |
| 1125 | 0.00138889 |
| 1126 | 0.0014 |
| 1127 | 0.00142857 |
| 1128 | 0.00147059 |
| 1129 | 0.0015 |
| 1130 | 0.00153333 |
| 1131 | 0.0015625 |
| 1132 | 0.00166667 |
| 1133 | 0.00166667 |
| 1134 | 0.00166667 |
| 1135 | 0.00178571 |
| 1136 | 0.0018 |
| 1137 | 0.00192308 |
| 1138 | 0.002 |
| 1139 | 0.002 |
| 1140 | 0.00208333 |
| 1141 | 0.00227273 |
| 1142 | 0.0025 |
| 1143 | 0.0025 |
| 1144 | 0.00271429 |
| 1145 | 0.00277778 |
| 1146 | 0.003125 |
| 1147 | 0.00316667 |
| 1148 | 0.00333333 |
| 1149 | 0.004 |
| 1150 | 0.00416667 |
| 1151 | 0.00433333 |
| 1152 | 0.0045 |
| 1153 | 0.00472727 |
| 1154 | 0.00475 |
| 1155 | 0.00577778 |
| 1156 | 0.00585714 |

| | |
|---|---|
| 1157 | 0.00633333 |
| 1158 | 0.0065 |
| 1159 | 0.0066 |
| 1160 | 0.00742857 |
| 1161 | 0.008 |
| 1162 | 0.0082 |
| 1163 | 0.00866667 |
| 1164 | 0.0095 |
| 1165 | 0.01 |
| 1166 | 0.013 |
| 1167 | 0.013 |
| 1168 | 0.0155 |
| 1169 | 0.016 |
| 1170 | 0.0173333 |
| 1171 | 0.0185 |
| 1172 | 0.019 |
| 1173 | 0.026 |
| 1174 | 0.0354 |
| 1175 | 0.037 |
| 1176 | 0.052 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.025 | 24 |
| 2 | 0.03 | 13 |
| 3 | 0.014 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |

| | |
|---|---|
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 34110
B = 0
C = 13860
D = 0
E = 710
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 11563.7
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 176.878
M1 = (1176 - 176.878)/2.0 = 499.561
M2 = (1176 + 176.878)/2.0 + 1 = 677.439
Lower limit is 0 = Q(500)
Upper limit is 0 = Q(677)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 1
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.063 (5/8/2013) | 0.11 (3/12/2013) | (0.063 - 0.11)/(2 - 1) | -0.047 |
| 0.053 (9/23/2013) | 0.11 (3/12/2013) | (0.053 - 0.11)/(3 - 1) | -0.0285 |
| 0.21 (12/10/2013) | 0.11 (3/12/2013) | (0.21 - 0.11)/(4 - 1) | 0.0333333 |
| 0.11 (2/6/2014) | 0.11 (3/12/2013) | (0.11 - 0.11)/(5 - 1) | 0 |
| ND<0.025 U (6/26/2014) | 0.11 (3/12/2013) | (0.025 - 0.11)/(6 - 1) | -0.017 |
| 0.044 (9/30/2014) | 0.11 (3/12/2013) | (0.044 - 0.11)/(7 - 1) | -0.011 |
| 0.27 (11/19/2014) | 0.11 (3/12/2013) | (0.27 - 0.11)/(8 - 1) | 0.0228571 |
| 0.073 (3/23/2015) | 0.11 (3/12/2013) | (0.073 - 0.11)/(9 - 1) | -0.004625 |
| 0.039 (4/22/2015) | 0.11 (3/12/2013) | (0.039 - 0.11)/(10 - 1) | -0.00788889 |
| 0.052 (9/30/2015) | 0.11 (3/12/2013) | (0.052 - 0.11)/(11 - 1) | -0.0058 |
| 0.084 (11/19/2015) | 0.11 (3/12/2013) | (0.084 - 0.11)/(12 - 1) | -0.00236364 |
| 0.047 (3/15/2016) | 0.11 (3/12/2013) | (0.047 - 0.11)/(13 - 1) | -0.00525 |
| 0.18 (6/29/2016) | 0.11 (3/12/2013) | (0.18 - 0.11)/(14 - 1) | 0.00538462 |
| 0.089 (8/9/2016) | 0.11 (3/12/2013) | (0.089 - 0.11)/(15 - 1) | -0.0015 |
| 0.209 (12/7/2016) | 0.11 (3/12/2013) | (0.209 - 0.11)/(16 - 1) | 0.0066 |
| 0.127 (3/2/2017) | 0.11 (3/12/2013) | (0.127 - 0.11)/(17 - 1) | 0.0010625 |
| 0.028 (6/29/2017) | 0.11 (3/12/2013) | (0.028 - 0.11)/(18 - 1) | -0.00482353 |
| ND<0.025 U (8/16/2017) | 0.11 (3/12/2013) | (0.025 - 0.11)/(19 - 1) | -0.00472222 |
| 0.121 (10/25/2017) | 0.11 (3/12/2013) | (0.121 - 0.11)/(20 - 1) | 0.000578947 |
| 0.106 (3/28/2018) | 0.11 (3/12/2013) | (0.106 - 0.11)/(21 - 1) | -0.0002 |
| 0.121 (6/29/2018) | 0.11 (3/12/2013) | (0.121 - 0.11)/(22 - 1) | 0.00052381 |
| 0.145 (8/2/2018) | 0.11 (3/12/2013) | (0.145 - 0.11)/(23 - 1) | 0.00159091 |
| ND<0.025 U (12/10/2018) | 0.11 (3/12/2013) | (0.025 - 0.11)/(24 - 1) | -0.00369565 |
| 0.063 (4/15/2019) | 0.11 (3/12/2013) | (0.063 - 0.11)/(25 - 1) | -0.00195833 |
| ND<0.025 U (6/12/2019) | 0.11 (3/12/2013) | (0.025 - 0.11)/(26 - 1) | -0.0034 |
| ND<0.025 U (8/27/2019) | 0.11 (3/12/2013) | (0.025 - 0.11)/(27 - 1) | -0.00326923 |
| 0.049 (10/29/2019) | 0.11 (3/12/2013) | (0.049 - 0.11)/(28 - 1) | -0.00225926 |
| ND<0.025 U (3/30/2020) | 0.11 (3/12/2013) | (0.025 - 0.11)/(29 - 1) | -0.00303571 |
| 0.031 (6/16/2020) | 0.11 (3/12/2013) | (0.031 - 0.11)/(30 - 1) | -0.00272414 |
| ND<0.03 U (9/21/2020) | 0.11 (3/12/2013) | (0.03 - 0.11)/(31 - 1) | -0.00266667 |
| 0.072 (12/17/2020) | 0.11 (3/12/2013) | (0.072 - 0.11)/(32 - 1) | -0.00122581 |
| ND<0.03 U (3/18/2021) | 0.11 (3/12/2013) | (0.03 - 0.11)/(33 - 1) | -0.0025 |
| ND<0.03 U (5/5/2021) | 0.11 (3/12/2013) | (0.03 - 0.11)/(34 - 1) | -0.00242424 |
| 0.19 (9/2/2021) | 0.11 (3/12/2013) | (0.19 - 0.11)/(35 - 1) | 0.00235294 |
| 0.076 (11/23/2021) | 0.11 (3/12/2013) | (0.076 - 0.11)/(36 - 1) | -0.000971429 |
| 0.054 (1/11/2022) | 0.11 (3/12/2013) | (0.054 - 0.11)/(37 - 1) | -0.00155556 |
| 0.192 (4/7/2022) | 0.11 (3/12/2013) | (0.192 - 0.11)/(38 - 1) | 0.00221622 |
| ND<0.03 U (8/2/2022) | 0.11 (3/12/2013) | (0.03 - 0.11)/(39 - 1) | -0.00210526 |
| ND<0.03 U (11/16/2022) | 0.11 (3/12/2013) | (0.03 - 0.11)/(40 - 1) | -0.00205128 |
| ND<0.03 U (2/14/2023) | 0.11 (3/12/2013) | (0.03 - 0.11)/(41 - 1) | -0.002 |
| 0.043 (5/25/2023) | 0.11 (3/12/2013) | (0.043 - 0.11)/(42 - 1) | -0.00163415 |
| 0.067 (8/7/2023) | 0.11 (3/12/2013) | (0.067 - 0.11)/(43 - 1) | -0.00102381 |
| 0.219 (12/12/2023) | 0.11 (3/12/2013) | (0.219 - 0.11)/(44 - 1) | 0.00253488 |
| 0.224 (1/10/2024) | 0.11 (3/12/2013) | (0.224 - 0.11)/(45 - 1) | 0.00259091 |
| ND<0.03 U (5/21/2024) | 0.11 (3/12/2013) | (0.03 - 0.11)/(46 - 1) | -0.00177778 |
| ND<0.014 U (9/16/2024) | 0.11 (3/12/2013) | (0.014 - 0.11)/(47 - 1) | -0.00208696 |
| ND<0.0196 U (12/11/2024) | 0.11 (3/12/2013) | (0.0196 - 0.11)/(48 - 1) | -0.0019234 |
| 0.085 (2/18/2025) | 0.11 (3/12/2013) | (0.085 - 0.11)/(49 - 1) | -0.000520833 |

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|---|---|---|---|
| 0.053 (9/23/2013) | 0.063 (5/8/2013) | (0.053 - 0.063)/(3 - 2) | -0.01 |
| 0.21 (12/10/2013) | 0.063 (5/8/2013) | (0.21 - 0.063)/(4 - 2) | 0.0735 |
| 0.11 (2/6/2014) | 0.063 (5/8/2013) | (0.11 - 0.063)/(5 - 2) | 0.0156667 |
| ND<0.025 U (6/26/2014) | 0.063 (5/8/2013) | (0.025 - 0.063)/(6 - 2) | -0.0095 |
| 0.044 (9/30/2014) | 0.063 (5/8/2013) | (0.044 - 0.063)/(7 - 2) | -0.0038 |
| 0.27 (11/19/2014) | 0.063 (5/8/2013) | (0.27 - 0.063)/(8 - 2) | 0.0345 |
| 0.073 (3/23/2015) | 0.063 (5/8/2013) | (0.073 - 0.063)/(9 - 2) | 0.00142857 |
| 0.039 (4/22/2015) | 0.063 (5/8/2013) | (0.039 - 0.063)/(10 - 2) | -0.003 |
| 0.052 (9/30/2015) | 0.063 (5/8/2013) | (0.052 - 0.063)/(11 - 2) | -0.00122222 |
| 0.084 (11/19/2015) | 0.063 (5/8/2013) | (0.084 - 0.063)/(12 - 2) | 0.0021 |
| 0.047 (3/15/2016) | 0.063 (5/8/2013) | (0.047 - 0.063)/(13 - 2) | -0.00145455 |
| 0.18 (6/29/2016) | 0.063 (5/8/2013) | (0.18 - 0.063)/(14 - 2) | 0.00975 |
| 0.089 (8/9/2016) | 0.063 (5/8/2013) | (0.089 - 0.063)/(15 - 2) | 0.002 |
| 0.209 (12/7/2016) | 0.063 (5/8/2013) | (0.209 - 0.063)/(16 - 2) | 0.0104286 |
| 0.127 (3/2/2017) | 0.063 (5/8/2013) | (0.127 - 0.063)/(17 - 2) | 0.00426667 |
| 0.028 (6/29/2017) | 0.063 (5/8/2013) | (0.028 - 0.063)/(18 - 2) | -0.0021875 |
| ND<0.025 U (8/16/2017) | 0.063 (5/8/2013) | (0.025 - 0.063)/(19 - 2) | -0.00223529 |
| 0.121 (10/25/2017) | 0.063 (5/8/2013) | (0.121 - 0.063)/(20 - 2) | 0.00322222 |
| 0.106 (3/28/2018) | 0.063 (5/8/2013) | (0.106 - 0.063)/(21 - 2) | 0.00226316 |
| 0.121 (6/29/2018) | 0.063 (5/8/2013) | (0.121 - 0.063)/(22 - 2) | 0.0029 |
| 0.145 (8/2/2018) | 0.063 (5/8/2013) | (0.145 - 0.063)/(23 - 2) | 0.00390476 |
| ND<0.025 U (12/10/2018) | 0.063 (5/8/2013) | (0.025 - 0.063)/(24 - 2) | -0.00172727 |
| 0.063 (4/15/2019) | 0.063 (5/8/2013) | (0.063 - 0.063)/(25 - 2) | 0 |
| ND<0.025 U (6/12/2019) | 0.063 (5/8/2013) | (0.025 - 0.063)/(26 - 2) | -0.00158333 |
| ND<0.025 U (8/27/2019) | 0.063 (5/8/2013) | (0.025 - 0.063)/(27 - 2) | -0.00152 |
| 0.049 (10/29/2019) | 0.063 (5/8/2013) | (0.049 - 0.063)/(28 - 2) | -0.000538462 |
| ND<0.025 U (3/30/2020) | 0.063 (5/8/2013) | (0.025 - 0.063)/(29 - 2) | -0.00140741 |
| 0.031 (6/16/2020) | 0.063 (5/8/2013) | (0.031 - 0.063)/(30 - 2) | -0.00114286 |
| ND<0.03 U (9/21/2020) | 0.063 (5/8/2013) | (0.03 - 0.063)/(31 - 2) | -0.00113793 |
| 0.072 (12/17/2020) | 0.063 (5/8/2013) | (0.072 - 0.063)/(32 - 2) | 0.0003 |
| ND<0.03 U (3/18/2021) | 0.063 (5/8/2013) | (0.03 - 0.063)/(33 - 2) | -0.00106452 |
| ND<0.03 U (5/5/2021) | 0.063 (5/8/2013) | (0.03 - 0.063)/(34 - 2) | -0.00103125 |
| 0.19 (9/2/2021) | 0.063 (5/8/2013) | (0.19 - 0.063)/(35 - 2) | 0.00384848 |
| 0.076 (11/23/2021) | 0.063 (5/8/2013) | (0.076 - 0.063)/(36 - 2) | 0.000382353 |
| 0.054 (1/11/2022) | 0.063 (5/8/2013) | (0.054 - 0.063)/(37 - 2) | -0.000257143 |
| 0.192 (4/7/2022) | 0.063 (5/8/2013) | (0.192 - 0.063)/(38 - 2) | 0.00358333 |
| ND<0.03 U (8/2/2022) | 0.063 (5/8/2013) | (0.03 - 0.063)/(39 - 2) | -0.000891892 |
| ND<0.03 U (11/16/2022) | 0.063 (5/8/2013) | (0.03 - 0.063)/(40 - 2) | -0.000868421 |
| ND<0.03 U (2/14/2023) | 0.063 (5/8/2013) | (0.03 - 0.063)/(41 - 2) | -0.000846154 |
| 0.043 (5/25/2023) | 0.063 (5/8/2013) | (0.043 - 0.063)/(42 - 2) | -0.0005 |
| 0.067 (8/7/2023) | 0.063 (5/8/2013) | (0.067 - 0.063)/(43 - 2) | 9.7561e-05 |
| 0.219 (12/12/2023) | 0.063 (5/8/2013) | (0.219 - 0.063)/(44 - 2) | 0.00371429 |
| 0.224 (1/10/2024) | 0.063 (5/8/2013) | (0.224 - 0.063)/(45 - 2) | 0.00374419 |
| ND<0.03 U (5/21/2024) | 0.063 (5/8/2013) | (0.03 - 0.063)/(46 - 2) | -0.00075 |
| ND<0.014 U (9/16/2024) | 0.063 (5/8/2013) | (0.014 - 0.063)/(47 - 2) | -0.00108889 |
| ND<0.0196 U (12/11/2024) | 0.063 (5/8/2013) | (0.0196 - 0.063)/(48 - 2) | -0.000943478 |
| 0.085 (2/18/2025) | 0.063 (5/8/2013) | (0.085 - 0.063)/(49 - 2) | 0.000468085 |

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|---|---|---|---|
| 0.21 (12/10/2013) | 0.053 (9/23/2013) | (0.21 - 0.053)/(4 - 3) | 0.157 |
| 0.11 (2/6/2014) | 0.053 (9/23/2013) | (0.11 - 0.053)/(5 - 3) | 0.0285 |
| ND<0.025 U (6/26/2014) | 0.053 (9/23/2013) | (0.025 - 0.053)/(6 - 3) | -0.00933333 |
| 0.044 (9/30/2014) | 0.053 (9/23/2013) | (0.044 - 0.053)/(7 - 3) | -0.00225 |
| 0.27 (11/19/2014) | 0.053 (9/23/2013) | (0.27 - 0.053)/(8 - 3) | 0.0434 |
| 0.073 (3/23/2015) | 0.053 (9/23/2013) | (0.073 - 0.053)/(9 - 3) | 0.00333333 |
| 0.039 (4/22/2015) | 0.053 (9/23/2013) | (0.039 - 0.053)/(10 - 3) | -0.002 |
| 0.052 (9/30/2015) | 0.053 (9/23/2013) | (0.052 - 0.053)/(11 - 3) | -0.000125 |

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|---|---|---|---|
| 0.084 (11/19/2015) | 0.053 (9/23/2013) | (0.084 - 0.053)/(12 - 3) | 0.00344444 |
| 0.047 (3/15/2016) | 0.053 (9/23/2013) | (0.047 - 0.053)/(13 - 3) | -0.0006 |
| 0.18 (6/29/2016) | 0.053 (9/23/2013) | (0.18 - 0.053)/(14 - 3) | 0.0115455 |
| 0.089 (8/9/2016) | 0.053 (9/23/2013) | (0.089 - 0.053)/(15 - 3) | 0.003 |
| 0.209 (12/7/2016) | 0.053 (9/23/2013) | (0.209 - 0.053)/(16 - 3) | 0.012 |
| 0.127 (3/2/2017) | 0.053 (9/23/2013) | (0.127 - 0.053)/(17 - 3) | 0.00528571 |
| 0.028 (6/29/2017) | 0.053 (9/23/2013) | (0.028 - 0.053)/(18 - 3) | -0.00166667 |
| ND<0.025 U (8/16/2017) | 0.053 (9/23/2013) | (0.025 - 0.053)/(19 - 3) | -0.00175 |
| 0.121 (10/25/2017) | 0.053 (9/23/2013) | (0.121 - 0.053)/(20 - 3) | 0.004 |
| 0.106 (3/28/2018) | 0.053 (9/23/2013) | (0.106 - 0.053)/(21 - 3) | 0.00294444 |
| 0.121 (6/29/2018) | 0.053 (9/23/2013) | (0.121 - 0.053)/(22 - 3) | 0.00357895 |
| 0.145 (8/2/2018) | 0.053 (9/23/2013) | (0.145 - 0.053)/(23 - 3) | 0.0046 |
| ND<0.025 U (12/10/2018) | 0.053 (9/23/2013) | (0.025 - 0.053)/(24 - 3) | -0.00133333 |
| 0.063 (4/15/2019) | 0.053 (9/23/2013) | (0.063 - 0.053)/(25 - 3) | 0.000454545 |
| ND<0.025 U (6/12/2019) | 0.053 (9/23/2013) | (0.025 - 0.053)/(26 - 3) | -0.00121739 |
| ND<0.025 U (8/27/2019) | 0.053 (9/23/2013) | (0.025 - 0.053)/(27 - 3) | -0.00116667 |
| 0.049 (10/29/2019) | 0.053 (9/23/2013) | (0.049 - 0.053)/(28 - 3) | -0.00016 |
| ND<0.025 U (3/30/2020) | 0.053 (9/23/2013) | (0.025 - 0.053)/(29 - 3) | -0.00107692 |
| 0.031 (6/16/2020) | 0.053 (9/23/2013) | (0.031 - 0.053)/(30 - 3) | -0.000814815 |
| ND<0.03 U (9/21/2020) | 0.053 (9/23/2013) | (0.03 - 0.053)/(31 - 3) | -0.000821429 |
| 0.072 (12/17/2020) | 0.053 (9/23/2013) | (0.072 - 0.053)/(32 - 3) | 0.000655172 |
| ND<0.03 U (3/18/2021) | 0.053 (9/23/2013) | (0.03 - 0.053)/(33 - 3) | -0.000766667 |
| ND<0.03 U (5/5/2021) | 0.053 (9/23/2013) | (0.03 - 0.053)/(34 - 3) | -0.000741935 |
| 0.19 (9/2/2021) | 0.053 (9/23/2013) | (0.19 - 0.053)/(35 - 3) | 0.00428125 |
| 0.076 (11/23/2021) | 0.053 (9/23/2013) | (0.076 - 0.053)/(36 - 3) | 0.00069697 |
| 0.054 (1/11/2022) | 0.053 (9/23/2013) | (0.054 - 0.053)/(37 - 3) | 2.94118e-05 |
| 0.192 (4/7/2022) | 0.053 (9/23/2013) | (0.192 - 0.053)/(38 - 3) | 0.00397143 |
| ND<0.03 U (8/2/2022) | 0.053 (9/23/2013) | (0.03 - 0.053)/(39 - 3) | -0.000638889 |
| ND<0.03 U (11/16/2022) | 0.053 (9/23/2013) | (0.03 - 0.053)/(40 - 3) | -0.000621622 |
| ND<0.03 U (2/14/2023) | 0.053 (9/23/2013) | (0.03 - 0.053)/(41 - 3) | -0.000605263 |
| 0.043 (5/25/2023) | 0.053 (9/23/2013) | (0.043 - 0.053)/(42 - 3) | -0.00025641 |
| 0.067 (8/7/2023) | 0.053 (9/23/2013) | (0.067 - 0.053)/(43 - 3) | 0.00035 |
| 0.219 (12/12/2023) | 0.053 (9/23/2013) | (0.219 - 0.053)/(44 - 3) | 0.00404878 |
| 0.224 (1/10/2024) | 0.053 (9/23/2013) | (0.224 - 0.053)/(45 - 3) | 0.00407143 |
| ND<0.03 U (5/21/2024) | 0.053 (9/23/2013) | (0.03 - 0.053)/(46 - 3) | -0.000534884 |
| ND<0.014 U (9/16/2024) | 0.053 (9/23/2013) | (0.014 - 0.053)/(47 - 3) | -0.000886364 |
| ND<0.0196 U (12/11/2024) | 0.053 (9/23/2013) | (0.0196 - 0.053)/(48 - 3) | -0.000742222 |
| 0.085 (2/18/2025) | 0.053 (9/23/2013) | (0.085 - 0.053)/(49 - 3) | 0.000695652 |
| | | | |
| 0.11 (2/6/2014) | 0.21 (12/10/2013) | (0.11 - 0.21)/(5 - 4) | -0.1 |
| ND<0.025 U (6/26/2014) | 0.21 (12/10/2013) | (0.025 - 0.21)/(6 - 4) | -0.0925 |
| 0.044 (9/30/2014) | 0.21 (12/10/2013) | (0.044 - 0.21)/(7 - 4) | -0.0553333 |
| 0.27 (11/19/2014) | 0.21 (12/10/2013) | (0.27 - 0.21)/(8 - 4) | 0.015 |
| 0.073 (3/23/2015) | 0.21 (12/10/2013) | (0.073 - 0.21)/(9 - 4) | -0.0274 |
| 0.039 (4/22/2015) | 0.21 (12/10/2013) | (0.039 - 0.21)/(10 - 4) | -0.0285 |
| 0.052 (9/30/2015) | 0.21 (12/10/2013) | (0.052 - 0.21)/(11 - 4) | -0.0225714 |
| 0.084 (11/19/2015) | 0.21 (12/10/2013) | (0.084 - 0.21)/(12 - 4) | -0.01575 |
| 0.047 (3/15/2016) | 0.21 (12/10/2013) | (0.047 - 0.21)/(13 - 4) | -0.0181111 |
| 0.18 (6/29/2016) | 0.21 (12/10/2013) | (0.18 - 0.21)/(14 - 4) | -0.003 |
| 0.089 (8/9/2016) | 0.21 (12/10/2013) | (0.089 - 0.21)/(15 - 4) | -0.011 |
| 0.209 (12/7/2016) | 0.21 (12/10/2013) | (0.209 - 0.21)/(16 - 4) | -8.33333e-05 |
| 0.127 (3/2/2017) | 0.21 (12/10/2013) | (0.127 - 0.21)/(17 - 4) | -0.00638462 |
| 0.028 (6/29/2017) | 0.21 (12/10/2013) | (0.028 - 0.21)/(18 - 4) | -0.013 |
| ND<0.025 U (8/16/2017) | 0.21 (12/10/2013) | (0.025 - 0.21)/(19 - 4) | -0.0123333 |
| 0.121 (10/25/2017) | 0.21 (12/10/2013) | (0.121 - 0.21)/(20 - 4) | -0.0055625 |
| 0.106 (3/28/2018) | 0.21 (12/10/2013) | (0.106 - 0.21)/(21 - 4) | -0.00611765 |
| 0.121 (6/29/2018) | 0.21 (12/10/2013) | (0.121 - 0.21)/(22 - 4) | -0.00494444 |

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|---|---|---|---|
| 0.145 (8/2/2018) | 0.21 (12/10/2013) | (0.145 - 0.21)/(23 - 4) | -0.00342105 |
| ND<0.025 U (12/10/2018) | 0.21 (12/10/2013) | (0.025 - 0.21)/(24 - 4) | -0.00925 |
| 0.063 (4/15/2019) | 0.21 (12/10/2013) | (0.063 - 0.21)/(25 - 4) | -0.007 |
| ND<0.025 U (6/12/2019) | 0.21 (12/10/2013) | (0.025 - 0.21)/(26 - 4) | -0.00840909 |
| ND<0.025 U (8/27/2019) | 0.21 (12/10/2013) | (0.025 - 0.21)/(27 - 4) | -0.00804348 |
| 0.049 (10/29/2019) | 0.21 (12/10/2013) | (0.049 - 0.21)/(28 - 4) | -0.00670833 |
| ND<0.025 U (3/30/2020) | 0.21 (12/10/2013) | (0.025 - 0.21)/(29 - 4) | -0.0074 |
| 0.031 (6/16/2020) | 0.21 (12/10/2013) | (0.031 - 0.21)/(30 - 4) | -0.00688462 |
| ND<0.03 U (9/21/2020) | 0.21 (12/10/2013) | (0.03 - 0.21)/(31 - 4) | -0.00666667 |
| 0.072 (12/17/2020) | 0.21 (12/10/2013) | (0.072 - 0.21)/(32 - 4) | -0.00492857 |
| ND<0.03 U (3/18/2021) | 0.21 (12/10/2013) | (0.03 - 0.21)/(33 - 4) | -0.0062069 |
| ND<0.03 U (5/5/2021) | 0.21 (12/10/2013) | (0.03 - 0.21)/(34 - 4) | -0.006 |
| 0.19 (9/2/2021) | 0.21 (12/10/2013) | (0.19 - 0.21)/(35 - 4) | -0.000645161 |
| 0.076 (11/23/2021) | 0.21 (12/10/2013) | (0.076 - 0.21)/(36 - 4) | -0.0041875 |
| 0.054 (1/11/2022) | 0.21 (12/10/2013) | (0.054 - 0.21)/(37 - 4) | -0.00472727 |
| 0.192 (4/7/2022) | 0.21 (12/10/2013) | (0.192 - 0.21)/(38 - 4) | -0.000529412 |
| ND<0.03 U (8/2/2022) | 0.21 (12/10/2013) | (0.03 - 0.21)/(39 - 4) | -0.00514286 |
| ND<0.03 U (11/16/2022) | 0.21 (12/10/2013) | (0.03 - 0.21)/(40 - 4) | -0.005 |
| ND<0.03 U (2/14/2023) | 0.21 (12/10/2013) | (0.03 - 0.21)/(41 - 4) | -0.00486486 |
| 0.043 (5/25/2023) | 0.21 (12/10/2013) | (0.043 - 0.21)/(42 - 4) | -0.00439474 |
| 0.067 (8/7/2023) | 0.21 (12/10/2013) | (0.067 - 0.21)/(43 - 4) | -0.00366667 |
| 0.219 (12/12/2023) | 0.21 (12/10/2013) | (0.219 - 0.21)/(44 - 4) | 0.000225 |
| 0.224 (1/10/2024) | 0.21 (12/10/2013) | (0.224 - 0.21)/(45 - 4) | 0.000341463 |
| ND<0.03 U (5/21/2024) | 0.21 (12/10/2013) | (0.03 - 0.21)/(46 - 4) | -0.00428571 |
| ND<0.014 U (9/16/2024) | 0.21 (12/10/2013) | (0.014 - 0.21)/(47 - 4) | -0.00455814 |
| ND<0.0196 U (12/11/2024) | 0.21 (12/10/2013) | (0.0196 - 0.21)/(48 - 4) | -0.00432727 |
| 0.085 (2/18/2025) | 0.21 (12/10/2013) | (0.085 - 0.21)/(49 - 4) | -0.00277778 |
| | | | |
| ND<0.025 U (6/26/2014) | 0.11 (2/6/2014) | (0.025 - 0.11)/(6 - 5) | -0.085 |
| 0.044 (9/30/2014) | 0.11 (2/6/2014) | (0.044 - 0.11)/(7 - 5) | -0.033 |
| 0.27 (11/19/2014) | 0.11 (2/6/2014) | (0.27 - 0.11)/(8 - 5) | 0.0533333 |
| 0.073 (3/23/2015) | 0.11 (2/6/2014) | (0.073 - 0.11)/(9 - 5) | -0.00925 |
| 0.039 (4/22/2015) | 0.11 (2/6/2014) | (0.039 - 0.11)/(10 - 5) | -0.0142 |
| 0.052 (9/30/2015) | 0.11 (2/6/2014) | (0.052 - 0.11)/(11 - 5) | -0.00966667 |
| 0.084 (11/19/2015) | 0.11 (2/6/2014) | (0.084 - 0.11)/(12 - 5) | -0.00371429 |
| 0.047 (3/15/2016) | 0.11 (2/6/2014) | (0.047 - 0.11)/(13 - 5) | -0.007875 |
| 0.18 (6/29/2016) | 0.11 (2/6/2014) | (0.18 - 0.11)/(14 - 5) | 0.00777778 |
| 0.089 (8/9/2016) | 0.11 (2/6/2014) | (0.089 - 0.11)/(15 - 5) | -0.0021 |
| 0.209 (12/7/2016) | 0.11 (2/6/2014) | (0.209 - 0.11)/(16 - 5) | 0.009 |
| 0.127 (3/2/2017) | 0.11 (2/6/2014) | (0.127 - 0.11)/(17 - 5) | 0.00141667 |
| 0.028 (6/29/2017) | 0.11 (2/6/2014) | (0.028 - 0.11)/(18 - 5) | -0.00630769 |
| ND<0.025 U (8/16/2017) | 0.11 (2/6/2014) | (0.025 - 0.11)/(19 - 5) | -0.00607143 |
| 0.121 (10/25/2017) | 0.11 (2/6/2014) | (0.121 - 0.11)/(20 - 5) | 0.000733333 |
| 0.106 (3/28/2018) | 0.11 (2/6/2014) | (0.106 - 0.11)/(21 - 5) | -0.00025 |
| 0.121 (6/29/2018) | 0.11 (2/6/2014) | (0.121 - 0.11)/(22 - 5) | 0.000647059 |
| 0.145 (8/2/2018) | 0.11 (2/6/2014) | (0.145 - 0.11)/(23 - 5) | 0.00194444 |
| ND<0.025 U (12/10/2018) | 0.11 (2/6/2014) | (0.025 - 0.11)/(24 - 5) | -0.00447368 |
| 0.063 (4/15/2019) | 0.11 (2/6/2014) | (0.063 - 0.11)/(25 - 5) | -0.00235 |
| ND<0.025 U (6/12/2019) | 0.11 (2/6/2014) | (0.025 - 0.11)/(26 - 5) | -0.00404762 |
| ND<0.025 U (8/27/2019) | 0.11 (2/6/2014) | (0.025 - 0.11)/(27 - 5) | -0.00386364 |
| 0.049 (10/29/2019) | 0.11 (2/6/2014) | (0.049 - 0.11)/(28 - 5) | -0.00265217 |
| ND<0.025 U (3/30/2020) | 0.11 (2/6/2014) | (0.025 - 0.11)/(29 - 5) | -0.00354167 |
| 0.031 (6/16/2020) | 0.11 (2/6/2014) | (0.031 - 0.11)/(30 - 5) | -0.00316 |
| ND<0.03 U (9/21/2020) | 0.11 (2/6/2014) | (0.03 - 0.11)/(31 - 5) | -0.00307692 |
| 0.072 (12/17/2020) | 0.11 (2/6/2014) | (0.072 - 0.11)/(32 - 5) | -0.00140741 |
| ND<0.03 U (3/18/2021) | 0.11 (2/6/2014) | (0.03 - 0.11)/(33 - 5) | -0.00285714 |
| ND<0.03 U (5/5/2021) | 0.11 (2/6/2014) | (0.03 - 0.11)/(34 - 5) | -0.00275862 |

| | | | |
|---|---|---|---|
| 0.19 (9/2/2021) | 0.11 (2/6/2014) | (0.19 - 0.11)/(35 - 5) | 0.00266667 |
| 0.076 (11/23/2021) | 0.11 (2/6/2014) | (0.076 - 0.11)/(36 - 5) | -0.00109677 |
| 0.054 (1/11/2022) | 0.11 (2/6/2014) | (0.054 - 0.11)/(37 - 5) | -0.00175 |
| 0.192 (4/7/2022) | 0.11 (2/6/2014) | (0.192 - 0.11)/(38 - 5) | 0.00248485 |
| ND<0.03 U (8/2/2022) | 0.11 (2/6/2014) | (0.03 - 0.11)/(39 - 5) | -0.00235294 |
| ND<0.03 U (11/16/2022) | 0.11 (2/6/2014) | (0.03 - 0.11)/(40 - 5) | -0.00228571 |
| ND<0.03 U (2/14/2023) | 0.11 (2/6/2014) | (0.03 - 0.11)/(41 - 5) | -0.00222222 |
| 0.043 (5/25/2023) | 0.11 (2/6/2014) | (0.043 - 0.11)/(42 - 5) | -0.00181081 |
| 0.067 (8/7/2023) | 0.11 (2/6/2014) | (0.067 - 0.11)/(43 - 5) | -0.00113158 |
| 0.219 (12/12/2023) | 0.11 (2/6/2014) | (0.219 - 0.11)/(44 - 5) | 0.00279487 |
| 0.224 (1/10/2024) | 0.11 (2/6/2014) | (0.224 - 0.11)/(45 - 5) | 0.00285 |
| ND<0.03 U (5/21/2024) | 0.11 (2/6/2014) | (0.03 - 0.11)/(46 - 5) | -0.00195122 |
| ND<0.014 U (9/16/2024) | 0.11 (2/6/2014) | (0.014 - 0.11)/(47 - 5) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | 0.11 (2/6/2014) | (0.0196 - 0.11)/(48 - 5) | -0.00210233 |
| 0.085 (2/18/2025) | 0.11 (2/6/2014) | (0.085 - 0.11)/(49 - 5) | -0.000568182 |
| | | | |
| 0.044 (9/30/2014) | ND<0.025 U (6/26/2014) | (0.044 - 0.025)/(7 - 6) | 0.019 |
| 0.27 (11/19/2014) | ND<0.025 U (6/26/2014) | (0.27 - 0.025)/(8 - 6) | 0.1225 |
| 0.073 (3/23/2015) | ND<0.025 U (6/26/2014) | (0.073 - 0.025)/(9 - 6) | 0.016 |
| 0.039 (4/22/2015) | ND<0.025 U (6/26/2014) | (0.039 - 0.025)/(10 - 6) | 0.0035 |
| 0.052 (9/30/2015) | ND<0.025 U (6/26/2014) | (0.052 - 0.025)/(11 - 6) | 0.0054 |
| 0.084 (11/19/2015) | ND<0.025 U (6/26/2014) | (0.084 - 0.025)/(12 - 6) | 0.00983333 |
| 0.047 (3/15/2016) | ND<0.025 U (6/26/2014) | (0.047 - 0.025)/(13 - 6) | 0.00314286 |
| 0.18 (6/29/2016) | ND<0.025 U (6/26/2014) | (0.18 - 0.025)/(14 - 6) | 0.019375 |
| 0.089 (8/9/2016) | ND<0.025 U (6/26/2014) | (0.089 - 0.025)/(15 - 6) | 0.00711111 |
| 0.209 (12/7/2016) | ND<0.025 U (6/26/2014) | (0.209 - 0.025)/(16 - 6) | 0.0184 |
| 0.127 (3/2/2017) | ND<0.025 U (6/26/2014) | (0.127 - 0.025)/(17 - 6) | 0.00927273 |
| 0.028 (6/29/2017) | ND<0.025 U (6/26/2014) | (0.028 - 0.025)/(18 - 6) | 0.00025 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(19 - 6) | 0 |
| 0.121 (10/25/2017) | ND<0.025 U (6/26/2014) | (0.121 - 0.025)/(20 - 6) | 0.00685714 |
| 0.106 (3/28/2018) | ND<0.025 U (6/26/2014) | (0.106 - 0.025)/(21 - 6) | 0.0054 |
| 0.121 (6/29/2018) | ND<0.025 U (6/26/2014) | (0.121 - 0.025)/(22 - 6) | 0.006 |
| 0.145 (8/2/2018) | ND<0.025 U (6/26/2014) | (0.145 - 0.025)/(23 - 6) | 0.00705882 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(24 - 6) | 0 |
| 0.063 (4/15/2019) | ND<0.025 U (6/26/2014) | (0.063 - 0.025)/(25 - 6) | 0.002 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| 0.049 (10/29/2019) | ND<0.025 U (6/26/2014) | (0.049 - 0.025)/(28 - 6) | 0.00109091 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(29 - 6) | 0 |
| 0.031 (6/16/2020) | ND<0.025 U (6/26/2014) | (0.031 - 0.025)/(30 - 6) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| 0.072 (12/17/2020) | ND<0.025 U (6/26/2014) | (0.072 - 0.025)/(32 - 6) | 0.00180769 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(34 - 6) | 0.000178571 |
| 0.19 (9/2/2021) | ND<0.025 U (6/26/2014) | (0.19 - 0.025)/(35 - 6) | 0.00568966 |
| 0.076 (11/23/2021) | ND<0.025 U (6/26/2014) | (0.076 - 0.025)/(36 - 6) | 0.0017 |
| 0.054 (1/11/2022) | ND<0.025 U (6/26/2014) | (0.054 - 0.025)/(37 - 6) | 0.000935484 |
| 0.192 (4/7/2022) | ND<0.025 U (6/26/2014) | (0.192 - 0.025)/(38 - 6) | 0.00521875 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(41 - 6) | 0.000142857 |
| 0.043 (5/25/2023) | ND<0.025 U (6/26/2014) | (0.043 - 0.025)/(42 - 6) | 0.0005 |
| 0.067 (8/7/2023) | ND<0.025 U (6/26/2014) | (0.067 - 0.025)/(43 - 6) | 0.00113514 |
| 0.219 (12/12/2023) | ND<0.025 U (6/26/2014) | (0.219 - 0.025)/(44 - 6) | 0.00510526 |
| 0.224 (1/10/2024) | ND<0.025 U (6/26/2014) | (0.224 - 0.025)/(45 - 6) | 0.00510256 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(46 - 6) | 0.000125 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(47 - 6) | -0.000268293 |

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|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/26/2014) | (0.0196 - 0.025)/(48 - 6) | -0.000128571 |
| 0.085 (2/18/2025) | ND<0.025 U (6/26/2014) | (0.085 - 0.025)/(49 - 6) | 0.00139535 |
| | | | |
| 0.27 (11/19/2014) | 0.044 (9/30/2014) | (0.27 - 0.044)/(8 - 7) | 0.226 |
| 0.073 (3/23/2015) | 0.044 (9/30/2014) | (0.073 - 0.044)/(9 - 7) | 0.0145 |
| 0.039 (4/22/2015) | 0.044 (9/30/2014) | (0.039 - 0.044)/(10 - 7) | -0.00166667 |
| 0.052 (9/30/2015) | 0.044 (9/30/2014) | (0.052 - 0.044)/(11 - 7) | 0.002 |
| 0.084 (11/19/2015) | 0.044 (9/30/2014) | (0.084 - 0.044)/(12 - 7) | 0.008 |
| 0.047 (3/15/2016) | 0.044 (9/30/2014) | (0.047 - 0.044)/(13 - 7) | 0.0005 |
| 0.18 (6/29/2016) | 0.044 (9/30/2014) | (0.18 - 0.044)/(14 - 7) | 0.0194286 |
| 0.089 (8/9/2016) | 0.044 (9/30/2014) | (0.089 - 0.044)/(15 - 7) | 0.005625 |
| 0.209 (12/7/2016) | 0.044 (9/30/2014) | (0.209 - 0.044)/(16 - 7) | 0.0183333 |
| 0.127 (3/2/2017) | 0.044 (9/30/2014) | (0.127 - 0.044)/(17 - 7) | 0.0083 |
| 0.028 (6/29/2017) | 0.044 (9/30/2014) | (0.028 - 0.044)/(18 - 7) | -0.00145455 |
| ND<0.025 U (8/16/2017) | 0.044 (9/30/2014) | (0.025 - 0.044)/(19 - 7) | -0.00158333 |
| 0.121 (10/25/2017) | 0.044 (9/30/2014) | (0.121 - 0.044)/(20 - 7) | 0.00592308 |
| 0.106 (3/28/2018) | 0.044 (9/30/2014) | (0.106 - 0.044)/(21 - 7) | 0.00442857 |
| 0.121 (6/29/2018) | 0.044 (9/30/2014) | (0.121 - 0.044)/(22 - 7) | 0.00513333 |
| 0.145 (8/2/2018) | 0.044 (9/30/2014) | (0.145 - 0.044)/(23 - 7) | 0.0063125 |
| ND<0.025 U (12/10/2018) | 0.044 (9/30/2014) | (0.025 - 0.044)/(24 - 7) | -0.00111765 |
| 0.063 (4/15/2019) | 0.044 (9/30/2014) | (0.063 - 0.044)/(25 - 7) | 0.00105556 |
| ND<0.025 U (6/12/2019) | 0.044 (9/30/2014) | (0.025 - 0.044)/(26 - 7) | -0.001 |
| ND<0.025 U (8/27/2019) | 0.044 (9/30/2014) | (0.025 - 0.044)/(27 - 7) | -0.00095 |
| 0.049 (10/29/2019) | 0.044 (9/30/2014) | (0.049 - 0.044)/(28 - 7) | 0.000238095 |
| ND<0.025 U (3/30/2020) | 0.044 (9/30/2014) | (0.025 - 0.044)/(29 - 7) | -0.000863636 |
| 0.031 (6/16/2020) | 0.044 (9/30/2014) | (0.031 - 0.044)/(30 - 7) | -0.000565217 |
| ND<0.03 U (9/21/2020) | 0.044 (9/30/2014) | (0.03 - 0.044)/(31 - 7) | -0.000583333 |
| 0.072 (12/17/2020) | 0.044 (9/30/2014) | (0.072 - 0.044)/(32 - 7) | 0.00112 |
| ND<0.03 U (3/18/2021) | 0.044 (9/30/2014) | (0.03 - 0.044)/(33 - 7) | -0.000538462 |
| ND<0.03 U (5/5/2021) | 0.044 (9/30/2014) | (0.03 - 0.044)/(34 - 7) | -0.000518519 |
| 0.19 (9/2/2021) | 0.044 (9/30/2014) | (0.19 - 0.044)/(35 - 7) | 0.00521429 |
| 0.076 (11/23/2021) | 0.044 (9/30/2014) | (0.076 - 0.044)/(36 - 7) | 0.00110345 |
| 0.054 (1/11/2022) | 0.044 (9/30/2014) | (0.054 - 0.044)/(37 - 7) | 0.000333333 |
| 0.192 (4/7/2022) | 0.044 (9/30/2014) | (0.192 - 0.044)/(38 - 7) | 0.00477419 |
| ND<0.03 U (8/2/2022) | 0.044 (9/30/2014) | (0.03 - 0.044)/(39 - 7) | -0.0004375 |
| ND<0.03 U (11/16/2022) | 0.044 (9/30/2014) | (0.03 - 0.044)/(40 - 7) | -0.000424242 |
| ND<0.03 U (2/14/2023) | 0.044 (9/30/2014) | (0.03 - 0.044)/(41 - 7) | -0.000411765 |
| 0.043 (5/25/2023) | 0.044 (9/30/2014) | (0.043 - 0.044)/(42 - 7) | -2.85714e-05 |
| 0.067 (8/7/2023) | 0.044 (9/30/2014) | (0.067 - 0.044)/(43 - 7) | 0.000638889 |
| 0.219 (12/12/2023) | 0.044 (9/30/2014) | (0.219 - 0.044)/(44 - 7) | 0.00472973 |
| 0.224 (1/10/2024) | 0.044 (9/30/2014) | (0.224 - 0.044)/(45 - 7) | 0.00473684 |
| ND<0.03 U (5/21/2024) | 0.044 (9/30/2014) | (0.03 - 0.044)/(46 - 7) | -0.000358974 |
| ND<0.014 U (9/16/2024) | 0.044 (9/30/2014) | (0.014 - 0.044)/(47 - 7) | -0.00075 |
| ND<0.0196 U (12/11/2024) | 0.044 (9/30/2014) | (0.0196 - 0.044)/(48 - 7) | -0.000595122 |
| 0.085 (2/18/2025) | 0.044 (9/30/2014) | (0.085 - 0.044)/(49 - 7) | 0.00097619 |
| | | | |
| 0.073 (3/23/2015) | 0.27 (11/19/2014) | (0.073 - 0.27)/(9 - 8) | -0.197 |
| 0.039 (4/22/2015) | 0.27 (11/19/2014) | (0.039 - 0.27)/(10 - 8) | -0.1155 |
| 0.052 (9/30/2015) | 0.27 (11/19/2014) | (0.052 - 0.27)/(11 - 8) | -0.0726667 |
| 0.084 (11/19/2015) | 0.27 (11/19/2014) | (0.084 - 0.27)/(12 - 8) | -0.0465 |
| 0.047 (3/15/2016) | 0.27 (11/19/2014) | (0.047 - 0.27)/(13 - 8) | -0.0446 |
| 0.18 (6/29/2016) | 0.27 (11/19/2014) | (0.18 - 0.27)/(14 - 8) | -0.015 |
| 0.089 (8/9/2016) | 0.27 (11/19/2014) | (0.089 - 0.27)/(15 - 8) | -0.0258571 |
| 0.209 (12/7/2016) | 0.27 (11/19/2014) | (0.209 - 0.27)/(16 - 8) | -0.007625 |
| 0.127 (3/2/2017) | 0.27 (11/19/2014) | (0.127 - 0.27)/(17 - 8) | -0.0158889 |
| 0.028 (6/29/2017) | 0.27 (11/19/2014) | (0.028 - 0.27)/(18 - 8) | -0.0242 |
| ND<0.025 U (8/16/2017) | 0.27 (11/19/2014) | (0.025 - 0.27)/(19 - 8) | -0.0222727 |

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|---|---|---|---|
| 0.121 (10/25/2017) | 0.27 (11/19/2014) | (0.121 - 0.27)/(20 - 8) | -0.0124167 |
| 0.106 (3/28/2018) | 0.27 (11/19/2014) | (0.106 - 0.27)/(21 - 8) | -0.0126154 |
| 0.121 (6/29/2018) | 0.27 (11/19/2014) | (0.121 - 0.27)/(22 - 8) | -0.0106429 |
| 0.145 (8/2/2018) | 0.27 (11/19/2014) | (0.145 - 0.27)/(23 - 8) | -0.00833333 |
| ND<0.025 U (12/10/2018) | 0.27 (11/19/2014) | (0.025 - 0.27)/(24 - 8) | -0.0153125 |
| 0.063 (4/15/2019) | 0.27 (11/19/2014) | (0.063 - 0.27)/(25 - 8) | -0.0121765 |
| ND<0.025 U (6/12/2019) | 0.27 (11/19/2014) | (0.025 - 0.27)/(26 - 8) | -0.0136111 |
| ND<0.025 U (8/27/2019) | 0.27 (11/19/2014) | (0.025 - 0.27)/(27 - 8) | -0.0128947 |
| 0.049 (10/29/2019) | 0.27 (11/19/2014) | (0.049 - 0.27)/(28 - 8) | -0.01105 |
| ND<0.025 U (3/30/2020) | 0.27 (11/19/2014) | (0.025 - 0.27)/(29 - 8) | -0.0116667 |
| 0.031 (6/16/2020) | 0.27 (11/19/2014) | (0.031 - 0.27)/(30 - 8) | -0.0108636 |
| ND<0.03 U (9/21/2020) | 0.27 (11/19/2014) | (0.03 - 0.27)/(31 - 8) | -0.0104348 |
| 0.072 (12/17/2020) | 0.27 (11/19/2014) | (0.072 - 0.27)/(32 - 8) | -0.00825 |
| ND<0.03 U (3/18/2021) | 0.27 (11/19/2014) | (0.03 - 0.27)/(33 - 8) | -0.0096 |
| ND<0.03 U (5/5/2021) | 0.27 (11/19/2014) | (0.03 - 0.27)/(34 - 8) | -0.00923077 |
| 0.19 (9/2/2021) | 0.27 (11/19/2014) | (0.19 - 0.27)/(35 - 8) | -0.00296296 |
| 0.076 (11/23/2021) | 0.27 (11/19/2014) | (0.076 - 0.27)/(36 - 8) | -0.00692857 |
| 0.054 (1/11/2022) | 0.27 (11/19/2014) | (0.054 - 0.27)/(37 - 8) | -0.00744828 |
| 0.192 (4/7/2022) | 0.27 (11/19/2014) | (0.192 - 0.27)/(38 - 8) | -0.0026 |
| ND<0.03 U (8/2/2022) | 0.27 (11/19/2014) | (0.03 - 0.27)/(39 - 8) | -0.00774194 |
| ND<0.03 U (11/16/2022) | 0.27 (11/19/2014) | (0.03 - 0.27)/(40 - 8) | -0.0075 |
| ND<0.03 U (2/14/2023) | 0.27 (11/19/2014) | (0.03 - 0.27)/(41 - 8) | -0.00727273 |
| 0.043 (5/25/2023) | 0.27 (11/19/2014) | (0.043 - 0.27)/(42 - 8) | -0.00667647 |
| 0.067 (8/7/2023) | 0.27 (11/19/2014) | (0.067 - 0.27)/(43 - 8) | -0.0058 |
| 0.219 (12/12/2023) | 0.27 (11/19/2014) | (0.219 - 0.27)/(44 - 8) | -0.00141667 |
| 0.224 (1/10/2024) | 0.27 (11/19/2014) | (0.224 - 0.27)/(45 - 8) | -0.00124324 |
| ND<0.03 U (5/21/2024) | 0.27 (11/19/2014) | (0.03 - 0.27)/(46 - 8) | -0.00631579 |
| ND<0.014 U (9/16/2024) | 0.27 (11/19/2014) | (0.014 - 0.27)/(47 - 8) | -0.0065641 |
| ND<0.0196 U (12/11/2024) | 0.27 (11/19/2014) | (0.0196 - 0.27)/(48 - 8) | -0.00626 |
| 0.085 (2/18/2025) | 0.27 (11/19/2014) | (0.085 - 0.27)/(49 - 8) | -0.0045122 |

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|---|---|---|---|
| 0.039 (4/22/2015) | 0.073 (3/23/2015) | (0.039 - 0.073)/(10 - 9) | -0.034 |
| 0.052 (9/30/2015) | 0.073 (3/23/2015) | (0.052 - 0.073)/(11 - 9) | -0.0105 |
| 0.084 (11/19/2015) | 0.073 (3/23/2015) | (0.084 - 0.073)/(12 - 9) | 0.00366667 |
| 0.047 (3/15/2016) | 0.073 (3/23/2015) | (0.047 - 0.073)/(13 - 9) | -0.0065 |
| 0.18 (6/29/2016) | 0.073 (3/23/2015) | (0.18 - 0.073)/(14 - 9) | 0.0214 |
| 0.089 (8/9/2016) | 0.073 (3/23/2015) | (0.089 - 0.073)/(15 - 9) | 0.00266667 |
| 0.209 (12/7/2016) | 0.073 (3/23/2015) | (0.209 - 0.073)/(16 - 9) | 0.0194286 |
| 0.127 (3/2/2017) | 0.073 (3/23/2015) | (0.127 - 0.073)/(17 - 9) | 0.00675 |
| 0.028 (6/29/2017) | 0.073 (3/23/2015) | (0.028 - 0.073)/(18 - 9) | -0.005 |
| ND<0.025 U (8/16/2017) | 0.073 (3/23/2015) | (0.025 - 0.073)/(19 - 9) | -0.0048 |
| 0.121 (10/25/2017) | 0.073 (3/23/2015) | (0.121 - 0.073)/(20 - 9) | 0.00436364 |
| 0.106 (3/28/2018) | 0.073 (3/23/2015) | (0.106 - 0.073)/(21 - 9) | 0.00275 |
| 0.121 (6/29/2018) | 0.073 (3/23/2015) | (0.121 - 0.073)/(22 - 9) | 0.00369231 |
| 0.145 (8/2/2018) | 0.073 (3/23/2015) | (0.145 - 0.073)/(23 - 9) | 0.00514286 |
| ND<0.025 U (12/10/2018) | 0.073 (3/23/2015) | (0.025 - 0.073)/(24 - 9) | -0.0032 |
| 0.063 (4/15/2019) | 0.073 (3/23/2015) | (0.063 - 0.073)/(25 - 9) | -0.000625 |
| ND<0.025 U (6/12/2019) | 0.073 (3/23/2015) | (0.025 - 0.073)/(26 - 9) | -0.00282353 |
| ND<0.025 U (8/27/2019) | 0.073 (3/23/2015) | (0.025 - 0.073)/(27 - 9) | -0.00266667 |
| 0.049 (10/29/2019) | 0.073 (3/23/2015) | (0.049 - 0.073)/(28 - 9) | -0.00126316 |
| ND<0.025 U (3/30/2020) | 0.073 (3/23/2015) | (0.025 - 0.073)/(29 - 9) | -0.0024 |
| 0.031 (6/16/2020) | 0.073 (3/23/2015) | (0.031 - 0.073)/(30 - 9) | -0.002 |
| ND<0.03 U (9/21/2020) | 0.073 (3/23/2015) | (0.03 - 0.073)/(31 - 9) | -0.00195455 |
| 0.072 (12/17/2020) | 0.073 (3/23/2015) | (0.072 - 0.073)/(32 - 9) | -4.34783e-05 |
| ND<0.03 U (3/18/2021) | 0.073 (3/23/2015) | (0.03 - 0.073)/(33 - 9) | -0.00179167 |
| ND<0.03 U (5/5/2021) | 0.073 (3/23/2015) | (0.03 - 0.073)/(34 - 9) | -0.00172 |
| 0.19 (9/2/2021) | 0.073 (3/23/2015) | (0.19 - 0.073)/(35 - 9) | 0.0045 |

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|---|---|---|---|
| 0.076 (11/23/2021) | 0.073 (3/23/2015) | (0.076 - 0.073)/(36 - 9) | 0.000111111 |
| 0.054 (1/11/2022) | 0.073 (3/23/2015) | (0.054 - 0.073)/(37 - 9) | -0.000678571 |
| 0.192 (4/7/2022) | 0.073 (3/23/2015) | (0.192 - 0.073)/(38 - 9) | 0.00410345 |
| ND<0.03 U (8/2/2022) | 0.073 (3/23/2015) | (0.03 - 0.073)/(39 - 9) | -0.00143333 |
| ND<0.03 U (11/16/2022) | 0.073 (3/23/2015) | (0.03 - 0.073)/(40 - 9) | -0.0013871 |
| ND<0.03 U (2/14/2023) | 0.073 (3/23/2015) | (0.03 - 0.073)/(41 - 9) | -0.00134375 |
| 0.043 (5/25/2023) | 0.073 (3/23/2015) | (0.043 - 0.073)/(42 - 9) | -0.000909091 |
| 0.067 (8/7/2023) | 0.073 (3/23/2015) | (0.067 - 0.073)/(43 - 9) | -0.000176471 |
| 0.219 (12/12/2023) | 0.073 (3/23/2015) | (0.219 - 0.073)/(44 - 9) | 0.00417143 |
| 0.224 (1/10/2024) | 0.073 (3/23/2015) | (0.224 - 0.073)/(45 - 9) | 0.00419444 |
| ND<0.03 U (5/21/2024) | 0.073 (3/23/2015) | (0.03 - 0.073)/(46 - 9) | -0.00116216 |
| ND<0.014 U (9/16/2024) | 0.073 (3/23/2015) | (0.014 - 0.073)/(47 - 9) | -0.00155263 |
| ND<0.0196 U (12/11/2024) | 0.073 (3/23/2015) | (0.0196 - 0.073)/(48 - 9) | -0.00136923 |
| 0.085 (2/18/2025) | 0.073 (3/23/2015) | (0.085 - 0.073)/(49 - 9) | 0.0003 |
| | | | |
| 0.052 (9/30/2015) | 0.039 (4/22/2015) | (0.052 - 0.039)/(11 - 10) | 0.013 |
| 0.084 (11/19/2015) | 0.039 (4/22/2015) | (0.084 - 0.039)/(12 - 10) | 0.0225 |
| 0.047 (3/15/2016) | 0.039 (4/22/2015) | (0.047 - 0.039)/(13 - 10) | 0.00266667 |
| 0.18 (6/29/2016) | 0.039 (4/22/2015) | (0.18 - 0.039)/(14 - 10) | 0.03525 |
| 0.089 (8/9/2016) | 0.039 (4/22/2015) | (0.089 - 0.039)/(15 - 10) | 0.01 |
| 0.209 (12/7/2016) | 0.039 (4/22/2015) | (0.209 - 0.039)/(16 - 10) | 0.0283333 |
| 0.127 (3/2/2017) | 0.039 (4/22/2015) | (0.127 - 0.039)/(17 - 10) | 0.0125714 |
| 0.028 (6/29/2017) | 0.039 (4/22/2015) | (0.028 - 0.039)/(18 - 10) | -0.001375 |
| ND<0.025 U (8/16/2017) | 0.039 (4/22/2015) | (0.025 - 0.039)/(19 - 10) | -0.00155556 |
| 0.121 (10/25/2017) | 0.039 (4/22/2015) | (0.121 - 0.039)/(20 - 10) | 0.0082 |
| 0.106 (3/28/2018) | 0.039 (4/22/2015) | (0.106 - 0.039)/(21 - 10) | 0.00609091 |
| 0.121 (6/29/2018) | 0.039 (4/22/2015) | (0.121 - 0.039)/(22 - 10) | 0.00683333 |
| 0.145 (8/2/2018) | 0.039 (4/22/2015) | (0.145 - 0.039)/(23 - 10) | 0.00815385 |
| ND<0.025 U (12/10/2018) | 0.039 (4/22/2015) | (0.025 - 0.039)/(24 - 10) | -0.001 |
| 0.063 (4/15/2019) | 0.039 (4/22/2015) | (0.063 - 0.039)/(25 - 10) | 0.0016 |
| ND<0.025 U (6/12/2019) | 0.039 (4/22/2015) | (0.025 - 0.039)/(26 - 10) | -0.000875 |
| ND<0.025 U (8/27/2019) | 0.039 (4/22/2015) | (0.025 - 0.039)/(27 - 10) | -0.000823529 |
| 0.049 (10/29/2019) | 0.039 (4/22/2015) | (0.049 - 0.039)/(28 - 10) | 0.000555556 |
| ND<0.025 U (3/30/2020) | 0.039 (4/22/2015) | (0.025 - 0.039)/(29 - 10) | -0.000736842 |
| 0.031 (6/16/2020) | 0.039 (4/22/2015) | (0.031 - 0.039)/(30 - 10) | -0.0004 |
| ND<0.03 U (9/21/2020) | 0.039 (4/22/2015) | (0.03 - 0.039)/(31 - 10) | -0.000428571 |
| 0.072 (12/17/2020) | 0.039 (4/22/2015) | (0.072 - 0.039)/(32 - 10) | 0.0015 |
| ND<0.03 U (3/18/2021) | 0.039 (4/22/2015) | (0.03 - 0.039)/(33 - 10) | -0.000391304 |
| ND<0.03 U (5/5/2021) | 0.039 (4/22/2015) | (0.03 - 0.039)/(34 - 10) | -0.000375 |
| 0.19 (9/2/2021) | 0.039 (4/22/2015) | (0.19 - 0.039)/(35 - 10) | 0.00604 |
| 0.076 (11/23/2021) | 0.039 (4/22/2015) | (0.076 - 0.039)/(36 - 10) | 0.00142308 |
| 0.054 (1/11/2022) | 0.039 (4/22/2015) | (0.054 - 0.039)/(37 - 10) | 0.000555556 |
| 0.192 (4/7/2022) | 0.039 (4/22/2015) | (0.192 - 0.039)/(38 - 10) | 0.00546429 |
| ND<0.03 U (8/2/2022) | 0.039 (4/22/2015) | (0.03 - 0.039)/(39 - 10) | -0.000310345 |
| ND<0.03 U (11/16/2022) | 0.039 (4/22/2015) | (0.03 - 0.039)/(40 - 10) | -0.0003 |
| ND<0.03 U (2/14/2023) | 0.039 (4/22/2015) | (0.03 - 0.039)/(41 - 10) | -0.000290323 |
| 0.043 (5/25/2023) | 0.039 (4/22/2015) | (0.043 - 0.039)/(42 - 10) | 0.000125 |
| 0.067 (8/7/2023) | 0.039 (4/22/2015) | (0.067 - 0.039)/(43 - 10) | 0.000848485 |
| 0.219 (12/12/2023) | 0.039 (4/22/2015) | (0.219 - 0.039)/(44 - 10) | 0.00529412 |
| 0.224 (1/10/2024) | 0.039 (4/22/2015) | (0.224 - 0.039)/(45 - 10) | 0.00528571 |
| ND<0.03 U (5/21/2024) | 0.039 (4/22/2015) | (0.03 - 0.039)/(46 - 10) | -0.00025 |
| ND<0.014 U (9/16/2024) | 0.039 (4/22/2015) | (0.014 - 0.039)/(47 - 10) | -0.000675676 |
| ND<0.0196 U (12/11/2024) | 0.039 (4/22/2015) | (0.0196 - 0.039)/(48 - 10) | -0.000510526 |
| 0.085 (2/18/2025) | 0.039 (4/22/2015) | (0.085 - 0.039)/(49 - 10) | 0.00117949 |
| | | | |
| 0.084 (11/19/2015) | 0.052 (9/30/2015) | (0.084 - 0.052)/(12 - 11) | 0.032 |
| 0.047 (3/15/2016) | 0.052 (9/30/2015) | (0.047 - 0.052)/(13 - 11) | -0.0025 |

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|---|---|---|---|
| 0.18 (6/29/2016) | 0.052 (9/30/2015) | (0.18 - 0.052)/(14 - 11) | 0.0426667 |
| 0.089 (8/9/2016) | 0.052 (9/30/2015) | (0.089 - 0.052)/(15 - 11) | 0.00925 |
| 0.209 (12/7/2016) | 0.052 (9/30/2015) | (0.209 - 0.052)/(16 - 11) | 0.0314 |
| 0.127 (3/2/2017) | 0.052 (9/30/2015) | (0.127 - 0.052)/(17 - 11) | 0.0125 |
| 0.028 (6/29/2017) | 0.052 (9/30/2015) | (0.028 - 0.052)/(18 - 11) | -0.00342857 |
| ND<0.025 U (8/16/2017) | 0.052 (9/30/2015) | (0.025 - 0.052)/(19 - 11) | -0.003375 |
| 0.121 (10/25/2017) | 0.052 (9/30/2015) | (0.121 - 0.052)/(20 - 11) | 0.00766667 |
| 0.106 (3/28/2018) | 0.052 (9/30/2015) | (0.106 - 0.052)/(21 - 11) | 0.0054 |
| 0.121 (6/29/2018) | 0.052 (9/30/2015) | (0.121 - 0.052)/(22 - 11) | 0.00627273 |
| 0.145 (8/2/2018) | 0.052 (9/30/2015) | (0.145 - 0.052)/(23 - 11) | 0.00775 |
| ND<0.025 U (12/10/2018) | 0.052 (9/30/2015) | (0.025 - 0.052)/(24 - 11) | -0.00207692 |
| 0.063 (4/15/2019) | 0.052 (9/30/2015) | (0.063 - 0.052)/(25 - 11) | 0.000785714 |
| ND<0.025 U (6/12/2019) | 0.052 (9/30/2015) | (0.025 - 0.052)/(26 - 11) | -0.0018 |
| ND<0.025 U (8/27/2019) | 0.052 (9/30/2015) | (0.025 - 0.052)/(27 - 11) | -0.0016875 |
| 0.049 (10/29/2019) | 0.052 (9/30/2015) | (0.049 - 0.052)/(28 - 11) | -0.000176471 |
| ND<0.025 U (3/30/2020) | 0.052 (9/30/2015) | (0.025 - 0.052)/(29 - 11) | -0.0015 |
| 0.031 (6/16/2020) | 0.052 (9/30/2015) | (0.031 - 0.052)/(30 - 11) | -0.00110526 |
| ND<0.03 U (9/21/2020) | 0.052 (9/30/2015) | (0.03 - 0.052)/(31 - 11) | -0.0011 |
| 0.072 (12/17/2020) | 0.052 (9/30/2015) | (0.072 - 0.052)/(32 - 11) | 0.000952381 |
| ND<0.03 U (3/18/2021) | 0.052 (9/30/2015) | (0.03 - 0.052)/(33 - 11) | -0.001 |
| ND<0.03 U (5/5/2021) | 0.052 (9/30/2015) | (0.03 - 0.052)/(34 - 11) | -0.000956522 |
| 0.19 (9/2/2021) | 0.052 (9/30/2015) | (0.19 - 0.052)/(35 - 11) | 0.00575 |
| 0.076 (11/23/2021) | 0.052 (9/30/2015) | (0.076 - 0.052)/(36 - 11) | 0.00096 |
| 0.054 (1/11/2022) | 0.052 (9/30/2015) | (0.054 - 0.052)/(37 - 11) | 7.69231e-05 |
| 0.192 (4/7/2022) | 0.052 (9/30/2015) | (0.192 - 0.052)/(38 - 11) | 0.00518519 |
| ND<0.03 U (8/2/2022) | 0.052 (9/30/2015) | (0.03 - 0.052)/(39 - 11) | -0.000785714 |
| ND<0.03 U (11/16/2022) | 0.052 (9/30/2015) | (0.03 - 0.052)/(40 - 11) | -0.000758621 |
| ND<0.03 U (2/14/2023) | 0.052 (9/30/2015) | (0.03 - 0.052)/(41 - 11) | -0.000733333 |
| 0.043 (5/25/2023) | 0.052 (9/30/2015) | (0.043 - 0.052)/(42 - 11) | -0.000290323 |
| 0.067 (8/7/2023) | 0.052 (9/30/2015) | (0.067 - 0.052)/(43 - 11) | 0.00046875 |
| 0.219 (12/12/2023) | 0.052 (9/30/2015) | (0.219 - 0.052)/(44 - 11) | 0.00506061 |
| 0.224 (1/10/2024) | 0.052 (9/30/2015) | (0.224 - 0.052)/(45 - 11) | 0.00505882 |
| ND<0.03 U (5/21/2024) | 0.052 (9/30/2015) | (0.03 - 0.052)/(46 - 11) | -0.000628571 |
| ND<0.014 U (9/16/2024) | 0.052 (9/30/2015) | (0.014 - 0.052)/(47 - 11) | -0.00105556 |
| ND<0.0196 U (12/11/2024) | 0.052 (9/30/2015) | (0.0196 - 0.052)/(48 - 11) | -0.000875676 |
| 0.085 (2/18/2025) | 0.052 (9/30/2015) | (0.085 - 0.052)/(49 - 11) | 0.000868421 |
| | | | |
| 0.047 (3/15/2016) | 0.084 (11/19/2015) | (0.047 - 0.084)/(13 - 12) | -0.037 |
| 0.18 (6/29/2016) | 0.084 (11/19/2015) | (0.18 - 0.084)/(14 - 12) | 0.048 |
| 0.089 (8/9/2016) | 0.084 (11/19/2015) | (0.089 - 0.084)/(15 - 12) | 0.00166667 |
| 0.209 (12/7/2016) | 0.084 (11/19/2015) | (0.209 - 0.084)/(16 - 12) | 0.03125 |
| 0.127 (3/2/2017) | 0.084 (11/19/2015) | (0.127 - 0.084)/(17 - 12) | 0.0086 |
| 0.028 (6/29/2017) | 0.084 (11/19/2015) | (0.028 - 0.084)/(18 - 12) | -0.00933333 |
| ND<0.025 U (8/16/2017) | 0.084 (11/19/2015) | (0.025 - 0.084)/(19 - 12) | -0.00842857 |
| 0.121 (10/25/2017) | 0.084 (11/19/2015) | (0.121 - 0.084)/(20 - 12) | 0.004625 |
| 0.106 (3/28/2018) | 0.084 (11/19/2015) | (0.106 - 0.084)/(21 - 12) | 0.00244444 |
| 0.121 (6/29/2018) | 0.084 (11/19/2015) | (0.121 - 0.084)/(22 - 12) | 0.0037 |
| 0.145 (8/2/2018) | 0.084 (11/19/2015) | (0.145 - 0.084)/(23 - 12) | 0.00554545 |
| ND<0.025 U (12/10/2018) | 0.084 (11/19/2015) | (0.025 - 0.084)/(24 - 12) | -0.00491667 |
| 0.063 (4/15/2019) | 0.084 (11/19/2015) | (0.063 - 0.084)/(25 - 12) | -0.00161538 |
| ND<0.025 U (6/12/2019) | 0.084 (11/19/2015) | (0.025 - 0.084)/(26 - 12) | -0.00421429 |
| ND<0.025 U (8/27/2019) | 0.084 (11/19/2015) | (0.025 - 0.084)/(27 - 12) | -0.00393333 |
| 0.049 (10/29/2019) | 0.084 (11/19/2015) | (0.049 - 0.084)/(28 - 12) | -0.0021875 |
| ND<0.025 U (3/30/2020) | 0.084 (11/19/2015) | (0.025 - 0.084)/(29 - 12) | -0.00347059 |
| 0.031 (6/16/2020) | 0.084 (11/19/2015) | (0.031 - 0.084)/(30 - 12) | -0.00294444 |
| ND<0.03 U (9/21/2020) | 0.084 (11/19/2015) | (0.03 - 0.084)/(31 - 12) | -0.00284211 |
| 0.072 (12/17/2020) | 0.084 (11/19/2015) | (0.072 - 0.084)/(32 - 12) | -0.0006 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | 0.084 (11/19/2015) | (0.03 - 0.084)/(33 - 12) | -0.00257143 |
| ND<0.03 U (5/5/2021) | 0.084 (11/19/2015) | (0.03 - 0.084)/(34 - 12) | -0.00245455 |
| 0.19 (9/2/2021) | 0.084 (11/19/2015) | (0.19 - 0.084)/(35 - 12) | 0.0046087 |
| 0.076 (11/23/2021) | 0.084 (11/19/2015) | (0.076 - 0.084)/(36 - 12) | -0.000333333 |
| 0.054 (1/11/2022) | 0.084 (11/19/2015) | (0.054 - 0.084)/(37 - 12) | -0.0012 |
| 0.192 (4/7/2022) | 0.084 (11/19/2015) | (0.192 - 0.084)/(38 - 12) | 0.00415385 |
| ND<0.03 U (8/2/2022) | 0.084 (11/19/2015) | (0.03 - 0.084)/(39 - 12) | -0.002 |
| ND<0.03 U (11/16/2022) | 0.084 (11/19/2015) | (0.03 - 0.084)/(40 - 12) | -0.00192857 |
| ND<0.03 U (2/14/2023) | 0.084 (11/19/2015) | (0.03 - 0.084)/(41 - 12) | -0.00186207 |
| 0.043 (5/25/2023) | 0.084 (11/19/2015) | (0.043 - 0.084)/(42 - 12) | -0.00136667 |
| 0.067 (8/7/2023) | 0.084 (11/19/2015) | (0.067 - 0.084)/(43 - 12) | -0.000548387 |
| 0.219 (12/12/2023) | 0.084 (11/19/2015) | (0.219 - 0.084)/(44 - 12) | 0.00421875 |
| 0.224 (1/10/2024) | 0.084 (11/19/2015) | (0.224 - 0.084)/(45 - 12) | 0.00424242 |
| ND<0.03 U (5/21/2024) | 0.084 (11/19/2015) | (0.03 - 0.084)/(46 - 12) | -0.00158824 |
| ND<0.014 U (9/16/2024) | 0.084 (11/19/2015) | (0.014 - 0.084)/(47 - 12) | -0.002 |
| ND<0.0196 U (12/11/2024) | 0.084 (11/19/2015) | (0.0196 - 0.084)/(48 - 12) | -0.00178889 |
| 0.085 (2/18/2025) | 0.084 (11/19/2015) | (0.085 - 0.084)/(49 - 12) | 2.7027e-05 |
| | | | |
| 0.18 (6/29/2016) | 0.047 (3/15/2016) | (0.18 - 0.047)/(14 - 13) | 0.133 |
| 0.089 (8/9/2016) | 0.047 (3/15/2016) | (0.089 - 0.047)/(15 - 13) | 0.021 |
| 0.209 (12/7/2016) | 0.047 (3/15/2016) | (0.209 - 0.047)/(16 - 13) | 0.054 |
| 0.127 (3/2/2017) | 0.047 (3/15/2016) | (0.127 - 0.047)/(17 - 13) | 0.02 |
| 0.028 (6/29/2017) | 0.047 (3/15/2016) | (0.028 - 0.047)/(18 - 13) | -0.0038 |
| ND<0.025 U (8/16/2017) | 0.047 (3/15/2016) | (0.025 - 0.047)/(19 - 13) | -0.00366667 |
| 0.121 (10/25/2017) | 0.047 (3/15/2016) | (0.121 - 0.047)/(20 - 13) | 0.0105714 |
| 0.106 (3/28/2018) | 0.047 (3/15/2016) | (0.106 - 0.047)/(21 - 13) | 0.007375 |
| 0.121 (6/29/2018) | 0.047 (3/15/2016) | (0.121 - 0.047)/(22 - 13) | 0.00822222 |
| 0.145 (8/2/2018) | 0.047 (3/15/2016) | (0.145 - 0.047)/(23 - 13) | 0.0098 |
| ND<0.025 U (12/10/2018) | 0.047 (3/15/2016) | (0.025 - 0.047)/(24 - 13) | -0.002 |
| 0.063 (4/15/2019) | 0.047 (3/15/2016) | (0.063 - 0.047)/(25 - 13) | 0.00133333 |
| ND<0.025 U (6/12/2019) | 0.047 (3/15/2016) | (0.025 - 0.047)/(26 - 13) | -0.00169231 |
| ND<0.025 U (8/27/2019) | 0.047 (3/15/2016) | (0.025 - 0.047)/(27 - 13) | -0.00157143 |
| 0.049 (10/29/2019) | 0.047 (3/15/2016) | (0.049 - 0.047)/(28 - 13) | 0.000133333 |
| ND<0.025 U (3/30/2020) | 0.047 (3/15/2016) | (0.025 - 0.047)/(29 - 13) | -0.001375 |
| 0.031 (6/16/2020) | 0.047 (3/15/2016) | (0.031 - 0.047)/(30 - 13) | -0.000941176 |
| ND<0.03 U (9/21/2020) | 0.047 (3/15/2016) | (0.03 - 0.047)/(31 - 13) | -0.000944444 |
| 0.072 (12/17/2020) | 0.047 (3/15/2016) | (0.072 - 0.047)/(32 - 13) | 0.00131579 |
| ND<0.03 U (3/18/2021) | 0.047 (3/15/2016) | (0.03 - 0.047)/(33 - 13) | -0.00085 |
| ND<0.03 U (5/5/2021) | 0.047 (3/15/2016) | (0.03 - 0.047)/(34 - 13) | -0.000809524 |
| 0.19 (9/2/2021) | 0.047 (3/15/2016) | (0.19 - 0.047)/(35 - 13) | 0.0065 |
| 0.076 (11/23/2021) | 0.047 (3/15/2016) | (0.076 - 0.047)/(36 - 13) | 0.00126087 |
| 0.054 (1/11/2022) | 0.047 (3/15/2016) | (0.054 - 0.047)/(37 - 13) | 0.000291667 |
| 0.192 (4/7/2022) | 0.047 (3/15/2016) | (0.192 - 0.047)/(38 - 13) | 0.0058 |
| ND<0.03 U (8/2/2022) | 0.047 (3/15/2016) | (0.03 - 0.047)/(39 - 13) | -0.000653846 |
| ND<0.03 U (11/16/2022) | 0.047 (3/15/2016) | (0.03 - 0.047)/(40 - 13) | -0.00062963 |
| ND<0.03 U (2/14/2023) | 0.047 (3/15/2016) | (0.03 - 0.047)/(41 - 13) | -0.000607143 |
| 0.043 (5/25/2023) | 0.047 (3/15/2016) | (0.043 - 0.047)/(42 - 13) | -0.000137931 |
| 0.067 (8/7/2023) | 0.047 (3/15/2016) | (0.067 - 0.047)/(43 - 13) | 0.000666667 |
| 0.219 (12/12/2023) | 0.047 (3/15/2016) | (0.219 - 0.047)/(44 - 13) | 0.00554839 |
| 0.224 (1/10/2024) | 0.047 (3/15/2016) | (0.224 - 0.047)/(45 - 13) | 0.00553125 |
| ND<0.03 U (5/21/2024) | 0.047 (3/15/2016) | (0.03 - 0.047)/(46 - 13) | -0.000515152 |
| ND<0.014 U (9/16/2024) | 0.047 (3/15/2016) | (0.014 - 0.047)/(47 - 13) | -0.000970588 |
| ND<0.0196 U (12/11/2024) | 0.047 (3/15/2016) | (0.0196 - 0.047)/(48 - 13) | -0.000782857 |
| 0.085 (2/18/2025) | 0.047 (3/15/2016) | (0.085 - 0.047)/(49 - 13) | 0.00105556 |
| | | | |
| 0.089 (8/9/2016) | 0.18 (6/29/2016) | (0.089 - 0.18)/(15 - 14) | -0.091 |
| 0.209 (12/7/2016) | 0.18 (6/29/2016) | (0.209 - 0.18)/(16 - 14) | 0.0145 |

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|---|---|---|---|
| 0.127 (3/2/2017) | 0.18 (6/29/2016) | (0.127 - 0.18)/(17 - 14) | -0.0176667 |
| 0.028 (6/29/2017) | 0.18 (6/29/2016) | (0.028 - 0.18)/(18 - 14) | -0.038 |
| ND<0.025 U (8/16/2017) | 0.18 (6/29/2016) | (0.025 - 0.18)/(19 - 14) | -0.031 |
| 0.121 (10/25/2017) | 0.18 (6/29/2016) | (0.121 - 0.18)/(20 - 14) | -0.00983333 |
| 0.106 (3/28/2018) | 0.18 (6/29/2016) | (0.106 - 0.18)/(21 - 14) | -0.0105714 |
| 0.121 (6/29/2018) | 0.18 (6/29/2016) | (0.121 - 0.18)/(22 - 14) | -0.007375 |
| 0.145 (8/2/2018) | 0.18 (6/29/2016) | (0.145 - 0.18)/(23 - 14) | -0.00388889 |
| ND<0.025 U (12/10/2018) | 0.18 (6/29/2016) | (0.025 - 0.18)/(24 - 14) | -0.0155 |
| 0.063 (4/15/2019) | 0.18 (6/29/2016) | (0.063 - 0.18)/(25 - 14) | -0.0106364 |
| ND<0.025 U (6/12/2019) | 0.18 (6/29/2016) | (0.025 - 0.18)/(26 - 14) | -0.0129167 |
| ND<0.025 U (8/27/2019) | 0.18 (6/29/2016) | (0.025 - 0.18)/(27 - 14) | -0.0119231 |
| 0.049 (10/29/2019) | 0.18 (6/29/2016) | (0.049 - 0.18)/(28 - 14) | -0.00935714 |
| ND<0.025 U (3/30/2020) | 0.18 (6/29/2016) | (0.025 - 0.18)/(29 - 14) | -0.0103333 |
| 0.031 (6/16/2020) | 0.18 (6/29/2016) | (0.031 - 0.18)/(30 - 14) | -0.0093125 |
| ND<0.03 U (9/21/2020) | 0.18 (6/29/2016) | (0.03 - 0.18)/(31 - 14) | -0.00882353 |
| 0.072 (12/17/2020) | 0.18 (6/29/2016) | (0.072 - 0.18)/(32 - 14) | -0.006 |
| ND<0.03 U (3/18/2021) | 0.18 (6/29/2016) | (0.03 - 0.18)/(33 - 14) | -0.00789474 |
| ND<0.03 U (5/5/2021) | 0.18 (6/29/2016) | (0.03 - 0.18)/(34 - 14) | -0.0075 |
| 0.19 (9/2/2021) | 0.18 (6/29/2016) | (0.19 - 0.18)/(35 - 14) | 0.00047619 |
| 0.076 (11/23/2021) | 0.18 (6/29/2016) | (0.076 - 0.18)/(36 - 14) | -0.00472727 |
| 0.054 (1/11/2022) | 0.18 (6/29/2016) | (0.054 - 0.18)/(37 - 14) | -0.00547826 |
| 0.192 (4/7/2022) | 0.18 (6/29/2016) | (0.192 - 0.18)/(38 - 14) | 0.0005 |
| ND<0.03 U (8/2/2022) | 0.18 (6/29/2016) | (0.03 - 0.18)/(39 - 14) | -0.006 |
| ND<0.03 U (11/16/2022) | 0.18 (6/29/2016) | (0.03 - 0.18)/(40 - 14) | -0.00576923 |
| ND<0.03 U (2/14/2023) | 0.18 (6/29/2016) | (0.03 - 0.18)/(41 - 14) | -0.00555556 |
| 0.043 (5/25/2023) | 0.18 (6/29/2016) | (0.043 - 0.18)/(42 - 14) | -0.00489286 |
| 0.067 (8/7/2023) | 0.18 (6/29/2016) | (0.067 - 0.18)/(43 - 14) | -0.00389655 |
| 0.219 (12/12/2023) | 0.18 (6/29/2016) | (0.219 - 0.18)/(44 - 14) | 0.0013 |
| 0.224 (1/10/2024) | 0.18 (6/29/2016) | (0.224 - 0.18)/(45 - 14) | 0.00141935 |
| ND<0.03 U (5/21/2024) | 0.18 (6/29/2016) | (0.03 - 0.18)/(46 - 14) | -0.0046875 |
| ND<0.014 U (9/16/2024) | 0.18 (6/29/2016) | (0.014 - 0.18)/(47 - 14) | -0.0050303 |
| ND<0.0196 U (12/11/2024) | 0.18 (6/29/2016) | (0.0196 - 0.18)/(48 - 14) | -0.00471765 |
| 0.085 (2/18/2025) | 0.18 (6/29/2016) | (0.085 - 0.18)/(49 - 14) | -0.00271429 |

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|---|---|---|---|
| 0.209 (12/7/2016) | 0.089 (8/9/2016) | (0.209 - 0.089)/(16 - 15) | 0.12 |
| 0.127 (3/2/2017) | 0.089 (8/9/2016) | (0.127 - 0.089)/(17 - 15) | 0.019 |
| 0.028 (6/29/2017) | 0.089 (8/9/2016) | (0.028 - 0.089)/(18 - 15) | -0.0203333 |
| ND<0.025 U (8/16/2017) | 0.089 (8/9/2016) | (0.025 - 0.089)/(19 - 15) | -0.016 |
| 0.121 (10/25/2017) | 0.089 (8/9/2016) | (0.121 - 0.089)/(20 - 15) | 0.0064 |
| 0.106 (3/28/2018) | 0.089 (8/9/2016) | (0.106 - 0.089)/(21 - 15) | 0.00283333 |
| 0.121 (6/29/2018) | 0.089 (8/9/2016) | (0.121 - 0.089)/(22 - 15) | 0.00457143 |
| 0.145 (8/2/2018) | 0.089 (8/9/2016) | (0.145 - 0.089)/(23 - 15) | 0.007 |
| ND<0.025 U (12/10/2018) | 0.089 (8/9/2016) | (0.025 - 0.089)/(24 - 15) | -0.00711111 |
| 0.063 (4/15/2019) | 0.089 (8/9/2016) | (0.063 - 0.089)/(25 - 15) | -0.0026 |
| ND<0.025 U (6/12/2019) | 0.089 (8/9/2016) | (0.025 - 0.089)/(26 - 15) | -0.00581818 |
| ND<0.025 U (8/27/2019) | 0.089 (8/9/2016) | (0.025 - 0.089)/(27 - 15) | -0.00533333 |
| 0.049 (10/29/2019) | 0.089 (8/9/2016) | (0.049 - 0.089)/(28 - 15) | -0.00307692 |
| ND<0.025 U (3/30/2020) | 0.089 (8/9/2016) | (0.025 - 0.089)/(29 - 15) | -0.00457143 |
| 0.031 (6/16/2020) | 0.089 (8/9/2016) | (0.031 - 0.089)/(30 - 15) | -0.00386667 |
| ND<0.03 U (9/21/2020) | 0.089 (8/9/2016) | (0.03 - 0.089)/(31 - 15) | -0.0036875 |
| 0.072 (12/17/2020) | 0.089 (8/9/2016) | (0.072 - 0.089)/(32 - 15) | -0.001 |
| ND<0.03 U (3/18/2021) | 0.089 (8/9/2016) | (0.03 - 0.089)/(33 - 15) | -0.00327778 |
| ND<0.03 U (5/5/2021) | 0.089 (8/9/2016) | (0.03 - 0.089)/(34 - 15) | -0.00310526 |
| 0.19 (9/2/2021) | 0.089 (8/9/2016) | (0.19 - 0.089)/(35 - 15) | 0.00505 |
| 0.076 (11/23/2021) | 0.089 (8/9/2016) | (0.076 - 0.089)/(36 - 15) | -0.000619048 |
| 0.054 (1/11/2022) | 0.089 (8/9/2016) | (0.054 - 0.089)/(37 - 15) | -0.00159091 |
| 0.192 (4/7/2022) | 0.089 (8/9/2016) | (0.192 - 0.089)/(38 - 15) | 0.00447826 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | 0.089 (8/9/2016) | (0.03 - 0.089)/(39 - 15) | -0.00245833 |
| ND<0.03 U (11/16/2022) | 0.089 (8/9/2016) | (0.03 - 0.089)/(40 - 15) | -0.00236 |
| ND<0.03 U (2/14/2023) | 0.089 (8/9/2016) | (0.03 - 0.089)/(41 - 15) | -0.00226923 |
| 0.043 (5/25/2023) | 0.089 (8/9/2016) | (0.043 - 0.089)/(42 - 15) | -0.0017037 |
| 0.067 (8/7/2023) | 0.089 (8/9/2016) | (0.067 - 0.089)/(43 - 15) | -0.000785714 |
| 0.219 (12/12/2023) | 0.089 (8/9/2016) | (0.219 - 0.089)/(44 - 15) | 0.00448276 |
| 0.224 (1/10/2024) | 0.089 (8/9/2016) | (0.224 - 0.089)/(45 - 15) | 0.0045 |
| ND<0.03 U (5/21/2024) | 0.089 (8/9/2016) | (0.03 - 0.089)/(46 - 15) | -0.00190323 |
| ND<0.014 U (9/16/2024) | 0.089 (8/9/2016) | (0.014 - 0.089)/(47 - 15) | -0.00234375 |
| ND<0.0196 U (12/11/2024) | 0.089 (8/9/2016) | (0.0196 - 0.089)/(48 - 15) | -0.00210303 |
| 0.085 (2/18/2025) | 0.089 (8/9/2016) | (0.085 - 0.089)/(49 - 15) | -0.000117647 |
| | | | |
| 0.127 (3/2/2017) | 0.209 (12/7/2016) | (0.127 - 0.209)/(17 - 16) | -0.082 |
| 0.028 (6/29/2017) | 0.209 (12/7/2016) | (0.028 - 0.209)/(18 - 16) | -0.0905 |
| ND<0.025 U (8/16/2017) | 0.209 (12/7/2016) | (0.025 - 0.209)/(19 - 16) | -0.0613333 |
| 0.121 (10/25/2017) | 0.209 (12/7/2016) | (0.121 - 0.209)/(20 - 16) | -0.022 |
| 0.106 (3/28/2018) | 0.209 (12/7/2016) | (0.106 - 0.209)/(21 - 16) | -0.0206 |
| 0.121 (6/29/2018) | 0.209 (12/7/2016) | (0.121 - 0.209)/(22 - 16) | -0.0146667 |
| 0.145 (8/2/2018) | 0.209 (12/7/2016) | (0.145 - 0.209)/(23 - 16) | -0.00914286 |
| ND<0.025 U (12/10/2018) | 0.209 (12/7/2016) | (0.025 - 0.209)/(24 - 16) | -0.023 |
| 0.063 (4/15/2019) | 0.209 (12/7/2016) | (0.063 - 0.209)/(25 - 16) | -0.0162222 |
| ND<0.025 U (6/12/2019) | 0.209 (12/7/2016) | (0.025 - 0.209)/(26 - 16) | -0.0184 |
| ND<0.025 U (8/27/2019) | 0.209 (12/7/2016) | (0.025 - 0.209)/(27 - 16) | -0.0167273 |
| 0.049 (10/29/2019) | 0.209 (12/7/2016) | (0.049 - 0.209)/(28 - 16) | -0.0133333 |
| ND<0.025 U (3/30/2020) | 0.209 (12/7/2016) | (0.025 - 0.209)/(29 - 16) | -0.0141538 |
| 0.031 (6/16/2020) | 0.209 (12/7/2016) | (0.031 - 0.209)/(30 - 16) | -0.0127143 |
| ND<0.03 U (9/21/2020) | 0.209 (12/7/2016) | (0.03 - 0.209)/(31 - 16) | -0.0119333 |
| 0.072 (12/17/2020) | 0.209 (12/7/2016) | (0.072 - 0.209)/(32 - 16) | -0.0085625 |
| ND<0.03 U (3/18/2021) | 0.209 (12/7/2016) | (0.03 - 0.209)/(33 - 16) | -0.0105294 |
| ND<0.03 U (5/5/2021) | 0.209 (12/7/2016) | (0.03 - 0.209)/(34 - 16) | -0.00994444 |
| 0.19 (9/2/2021) | 0.209 (12/7/2016) | (0.19 - 0.209)/(35 - 16) | -0.001 |
| 0.076 (11/23/2021) | 0.209 (12/7/2016) | (0.076 - 0.209)/(36 - 16) | -0.00665 |
| 0.054 (1/11/2022) | 0.209 (12/7/2016) | (0.054 - 0.209)/(37 - 16) | -0.00738095 |
| 0.192 (4/7/2022) | 0.209 (12/7/2016) | (0.192 - 0.209)/(38 - 16) | -0.000772727 |
| ND<0.03 U (8/2/2022) | 0.209 (12/7/2016) | (0.03 - 0.209)/(39 - 16) | -0.00778261 |
| ND<0.03 U (11/16/2022) | 0.209 (12/7/2016) | (0.03 - 0.209)/(40 - 16) | -0.00745833 |
| ND<0.03 U (2/14/2023) | 0.209 (12/7/2016) | (0.03 - 0.209)/(41 - 16) | -0.00716 |
| 0.043 (5/25/2023) | 0.209 (12/7/2016) | (0.043 - 0.209)/(42 - 16) | -0.00638462 |
| 0.067 (8/7/2023) | 0.209 (12/7/2016) | (0.067 - 0.209)/(43 - 16) | -0.00525926 |
| 0.219 (12/12/2023) | 0.209 (12/7/2016) | (0.219 - 0.209)/(44 - 16) | 0.000357143 |
| 0.224 (1/10/2024) | 0.209 (12/7/2016) | (0.224 - 0.209)/(45 - 16) | 0.000517241 |
| ND<0.03 U (5/21/2024) | 0.209 (12/7/2016) | (0.03 - 0.209)/(46 - 16) | -0.00596667 |
| ND<0.014 U (9/16/2024) | 0.209 (12/7/2016) | (0.014 - 0.209)/(47 - 16) | -0.00629032 |
| ND<0.0196 U (12/11/2024) | 0.209 (12/7/2016) | (0.0196 - 0.209)/(48 - 16) | -0.00591875 |
| 0.085 (2/18/2025) | 0.209 (12/7/2016) | (0.085 - 0.209)/(49 - 16) | -0.00375758 |
| | | | |
| 0.028 (6/29/2017) | 0.127 (3/2/2017) | (0.028 - 0.127)/(18 - 17) | -0.099 |
| ND<0.025 U (8/16/2017) | 0.127 (3/2/2017) | (0.025 - 0.127)/(19 - 17) | -0.051 |
| 0.121 (10/25/2017) | 0.127 (3/2/2017) | (0.121 - 0.127)/(20 - 17) | -0.002 |
| 0.106 (3/28/2018) | 0.127 (3/2/2017) | (0.106 - 0.127)/(21 - 17) | -0.00525 |
| 0.121 (6/29/2018) | 0.127 (3/2/2017) | (0.121 - 0.127)/(22 - 17) | -0.0012 |
| 0.145 (8/2/2018) | 0.127 (3/2/2017) | (0.145 - 0.127)/(23 - 17) | 0.003 |
| ND<0.025 U (12/10/2018) | 0.127 (3/2/2017) | (0.025 - 0.127)/(24 - 17) | -0.0145714 |
| 0.063 (4/15/2019) | 0.127 (3/2/2017) | (0.063 - 0.127)/(25 - 17) | -0.008 |
| ND<0.025 U (6/12/2019) | 0.127 (3/2/2017) | (0.025 - 0.127)/(26 - 17) | -0.0113333 |
| ND<0.025 U (8/27/2019) | 0.127 (3/2/2017) | (0.025 - 0.127)/(27 - 17) | -0.0102 |
| 0.049 (10/29/2019) | 0.127 (3/2/2017) | (0.049 - 0.127)/(28 - 17) | -0.00709091 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | 0.127 (3/2/2017) | (0.025 - 0.127)/(29 - 17) | -0.0085 |
| 0.031 (6/16/2020) | 0.127 (3/2/2017) | (0.031 - 0.127)/(30 - 17) | -0.00738462 |
| ND<0.03 U (9/21/2020) | 0.127 (3/2/2017) | (0.03 - 0.127)/(31 - 17) | -0.00692857 |
| 0.072 (12/17/2020) | 0.127 (3/2/2017) | (0.072 - 0.127)/(32 - 17) | -0.00366667 |
| ND<0.03 U (3/18/2021) | 0.127 (3/2/2017) | (0.03 - 0.127)/(33 - 17) | -0.0060625 |
| ND<0.03 U (5/5/2021) | 0.127 (3/2/2017) | (0.03 - 0.127)/(34 - 17) | -0.00570588 |
| 0.19 (9/2/2021) | 0.127 (3/2/2017) | (0.19 - 0.127)/(35 - 17) | 0.0035 |
| 0.076 (11/23/2021) | 0.127 (3/2/2017) | (0.076 - 0.127)/(36 - 17) | -0.00268421 |
| 0.054 (1/11/2022) | 0.127 (3/2/2017) | (0.054 - 0.127)/(37 - 17) | -0.00365 |
| 0.192 (4/7/2022) | 0.127 (3/2/2017) | (0.192 - 0.127)/(38 - 17) | 0.00309524 |
| ND<0.03 U (8/2/2022) | 0.127 (3/2/2017) | (0.03 - 0.127)/(39 - 17) | -0.00440909 |
| ND<0.03 U (11/16/2022) | 0.127 (3/2/2017) | (0.03 - 0.127)/(40 - 17) | -0.00421739 |
| ND<0.03 U (2/14/2023) | 0.127 (3/2/2017) | (0.03 - 0.127)/(41 - 17) | -0.00404167 |
| 0.043 (5/25/2023) | 0.127 (3/2/2017) | (0.043 - 0.127)/(42 - 17) | -0.00336 |
| 0.067 (8/7/2023) | 0.127 (3/2/2017) | (0.067 - 0.127)/(43 - 17) | -0.00230769 |
| 0.219 (12/12/2023) | 0.127 (3/2/2017) | (0.219 - 0.127)/(44 - 17) | 0.00340741 |
| 0.224 (1/10/2024) | 0.127 (3/2/2017) | (0.224 - 0.127)/(45 - 17) | 0.00346429 |
| ND<0.03 U (5/21/2024) | 0.127 (3/2/2017) | (0.03 - 0.127)/(46 - 17) | -0.00334483 |
| ND<0.014 U (9/16/2024) | 0.127 (3/2/2017) | (0.014 - 0.127)/(47 - 17) | -0.00376667 |
| ND<0.0196 U (12/11/2024) | 0.127 (3/2/2017) | (0.0196 - 0.127)/(48 - 17) | -0.00346452 |
| 0.085 (2/18/2025) | 0.127 (3/2/2017) | (0.085 - 0.127)/(49 - 17) | -0.0013125 |
| | | | |
| ND<0.025 U (8/16/2017) | 0.028 (6/29/2017) | (0.025 - 0.028)/(19 - 18) | -0.003 |
| 0.121 (10/25/2017) | 0.028 (6/29/2017) | (0.121 - 0.028)/(20 - 18) | 0.0465 |
| 0.106 (3/28/2018) | 0.028 (6/29/2017) | (0.106 - 0.028)/(21 - 18) | 0.026 |
| 0.121 (6/29/2018) | 0.028 (6/29/2017) | (0.121 - 0.028)/(22 - 18) | 0.02325 |
| 0.145 (8/2/2018) | 0.028 (6/29/2017) | (0.145 - 0.028)/(23 - 18) | 0.0234 |
| ND<0.025 U (12/10/2018) | 0.028 (6/29/2017) | (0.025 - 0.028)/(24 - 18) | -0.0005 |
| 0.063 (4/15/2019) | 0.028 (6/29/2017) | (0.063 - 0.028)/(25 - 18) | 0.005 |
| ND<0.025 U (6/12/2019) | 0.028 (6/29/2017) | (0.025 - 0.028)/(26 - 18) | -0.000375 |
| ND<0.025 U (8/27/2019) | 0.028 (6/29/2017) | (0.025 - 0.028)/(27 - 18) | -0.000333333 |
| 0.049 (10/29/2019) | 0.028 (6/29/2017) | (0.049 - 0.028)/(28 - 18) | 0.0021 |
| ND<0.025 U (3/30/2020) | 0.028 (6/29/2017) | (0.025 - 0.028)/(29 - 18) | -0.000272727 |
| 0.031 (6/16/2020) | 0.028 (6/29/2017) | (0.031 - 0.028)/(30 - 18) | 0.00025 |
| ND<0.03 U (9/21/2020) | 0.028 (6/29/2017) | (0.03 - 0.028)/(31 - 18) | 0.000153846 |
| 0.072 (12/17/2020) | 0.028 (6/29/2017) | (0.072 - 0.028)/(32 - 18) | 0.00314286 |
| ND<0.03 U (3/18/2021) | 0.028 (6/29/2017) | (0.03 - 0.028)/(33 - 18) | 0.000133333 |
| ND<0.03 U (5/5/2021) | 0.028 (6/29/2017) | (0.03 - 0.028)/(34 - 18) | 0.000125 |
| 0.19 (9/2/2021) | 0.028 (6/29/2017) | (0.19 - 0.028)/(35 - 18) | 0.00952941 |
| 0.076 (11/23/2021) | 0.028 (6/29/2017) | (0.076 - 0.028)/(36 - 18) | 0.00266667 |
| 0.054 (1/11/2022) | 0.028 (6/29/2017) | (0.054 - 0.028)/(37 - 18) | 0.00136842 |
| 0.192 (4/7/2022) | 0.028 (6/29/2017) | (0.192 - 0.028)/(38 - 18) | 0.0082 |
| ND<0.03 U (8/2/2022) | 0.028 (6/29/2017) | (0.03 - 0.028)/(39 - 18) | 9.52381e-05 |
| ND<0.03 U (11/16/2022) | 0.028 (6/29/2017) | (0.03 - 0.028)/(40 - 18) | 9.09091e-05 |
| ND<0.03 U (2/14/2023) | 0.028 (6/29/2017) | (0.03 - 0.028)/(41 - 18) | 8.69565e-05 |
| 0.043 (5/25/2023) | 0.028 (6/29/2017) | (0.043 - 0.028)/(42 - 18) | 0.000625 |
| 0.067 (8/7/2023) | 0.028 (6/29/2017) | (0.067 - 0.028)/(43 - 18) | 0.00156 |
| 0.219 (12/12/2023) | 0.028 (6/29/2017) | (0.219 - 0.028)/(44 - 18) | 0.00734615 |
| 0.224 (1/10/2024) | 0.028 (6/29/2017) | (0.224 - 0.028)/(45 - 18) | 0.00725926 |
| ND<0.03 U (5/21/2024) | 0.028 (6/29/2017) | (0.03 - 0.028)/(46 - 18) | 7.14286e-05 |
| ND<0.014 U (9/16/2024) | 0.028 (6/29/2017) | (0.014 - 0.028)/(47 - 18) | -0.000482759 |
| ND<0.0196 U (12/11/2024) | 0.028 (6/29/2017) | (0.0196 - 0.028)/(48 - 18) | -0.00028 |
| 0.085 (2/18/2025) | 0.028 (6/29/2017) | (0.085 - 0.028)/(49 - 18) | 0.00183871 |
| | | | |
| 0.121 (10/25/2017) | ND<0.025 U (8/16/2017) | (0.121 - 0.025)/(20 - 19) | 0.096 |
| 0.106 (3/28/2018) | ND<0.025 U (8/16/2017) | (0.106 - 0.025)/(21 - 19) | 0.0405 |
| 0.121 (6/29/2018) | ND<0.025 U (8/16/2017) | (0.121 - 0.025)/(22 - 19) | 0.032 |

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|---|---|---|---|
| 0.145 (8/2/2018) | ND<0.025 U (8/16/2017) | (0.145 - 0.025)/(23 - 19) | 0.03 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| 0.063 (4/15/2019) | ND<0.025 U (8/16/2017) | (0.063 - 0.025)/(25 - 19) | 0.00633333 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(26 - 19) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| 0.049 (10/29/2019) | ND<0.025 U (8/16/2017) | (0.049 - 0.025)/(28 - 19) | 0.00266667 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(29 - 19) | 0 |
| 0.031 (6/16/2020) | ND<0.025 U (8/16/2017) | (0.031 - 0.025)/(30 - 19) | 0.000545455 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| 0.072 (12/17/2020) | ND<0.025 U (8/16/2017) | (0.072 - 0.025)/(32 - 19) | 0.00361538 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(34 - 19) | 0.000333333 |
| 0.19 (9/2/2021) | ND<0.025 U (8/16/2017) | (0.19 - 0.025)/(35 - 19) | 0.0103125 |
| 0.076 (11/23/2021) | ND<0.025 U (8/16/2017) | (0.076 - 0.025)/(36 - 19) | 0.003 |
| 0.054 (1/11/2022) | ND<0.025 U (8/16/2017) | (0.054 - 0.025)/(37 - 19) | 0.00161111 |
| 0.192 (4/7/2022) | ND<0.025 U (8/16/2017) | (0.192 - 0.025)/(38 - 19) | 0.00878947 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(41 - 19) | 0.000227273 |
| 0.043 (5/25/2023) | ND<0.025 U (8/16/2017) | (0.043 - 0.025)/(42 - 19) | 0.000782609 |
| 0.067 (8/7/2023) | ND<0.025 U (8/16/2017) | (0.067 - 0.025)/(43 - 19) | 0.00175 |
| 0.219 (12/12/2023) | ND<0.025 U (8/16/2017) | (0.219 - 0.025)/(44 - 19) | 0.00776 |
| 0.224 (1/10/2024) | ND<0.025 U (8/16/2017) | (0.224 - 0.025)/(45 - 19) | 0.00765385 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(46 - 19) | 0.000185185 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(47 - 19) | -0.000392857 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/16/2017) | (0.0196 - 0.025)/(48 - 19) | -0.000186207 |
| 0.085 (2/18/2025) | ND<0.025 U (8/16/2017) | (0.085 - 0.025)/(49 - 19) | 0.002 |

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|---|---|---|---|
| 0.106 (3/28/2018) | 0.121 (10/25/2017) | (0.106 - 0.121)/(21 - 20) | -0.015 |
| 0.121 (6/29/2018) | 0.121 (10/25/2017) | (0.121 - 0.121)/(22 - 20) | 0 |
| 0.145 (8/2/2018) | 0.121 (10/25/2017) | (0.145 - 0.121)/(23 - 20) | 0.008 |
| ND<0.025 U (12/10/2018) | 0.121 (10/25/2017) | (0.025 - 0.121)/(24 - 20) | -0.024 |
| 0.063 (4/15/2019) | 0.121 (10/25/2017) | (0.063 - 0.121)/(25 - 20) | -0.0116 |
| ND<0.025 U (6/12/2019) | 0.121 (10/25/2017) | (0.025 - 0.121)/(26 - 20) | -0.016 |
| ND<0.025 U (8/27/2019) | 0.121 (10/25/2017) | (0.025 - 0.121)/(27 - 20) | -0.0137143 |
| 0.049 (10/29/2019) | 0.121 (10/25/2017) | (0.049 - 0.121)/(28 - 20) | -0.009 |
| ND<0.025 U (3/30/2020) | 0.121 (10/25/2017) | (0.025 - 0.121)/(29 - 20) | -0.0106667 |
| 0.031 (6/16/2020) | 0.121 (10/25/2017) | (0.031 - 0.121)/(30 - 20) | -0.009 |
| ND<0.03 U (9/21/2020) | 0.121 (10/25/2017) | (0.03 - 0.121)/(31 - 20) | -0.00827273 |
| 0.072 (12/17/2020) | 0.121 (10/25/2017) | (0.072 - 0.121)/(32 - 20) | -0.00408333 |
| ND<0.03 U (3/18/2021) | 0.121 (10/25/2017) | (0.03 - 0.121)/(33 - 20) | -0.007 |
| ND<0.03 U (5/5/2021) | 0.121 (10/25/2017) | (0.03 - 0.121)/(34 - 20) | -0.0065 |
| 0.19 (9/2/2021) | 0.121 (10/25/2017) | (0.19 - 0.121)/(35 - 20) | 0.0046 |
| 0.076 (11/23/2021) | 0.121 (10/25/2017) | (0.076 - 0.121)/(36 - 20) | -0.0028125 |
| 0.054 (1/11/2022) | 0.121 (10/25/2017) | (0.054 - 0.121)/(37 - 20) | -0.00394118 |
| 0.192 (4/7/2022) | 0.121 (10/25/2017) | (0.192 - 0.121)/(38 - 20) | 0.00394444 |
| ND<0.03 U (8/2/2022) | 0.121 (10/25/2017) | (0.03 - 0.121)/(39 - 20) | -0.00478947 |
| ND<0.03 U (11/16/2022) | 0.121 (10/25/2017) | (0.03 - 0.121)/(40 - 20) | -0.00455 |
| ND<0.03 U (2/14/2023) | 0.121 (10/25/2017) | (0.03 - 0.121)/(41 - 20) | -0.00433333 |
| 0.043 (5/25/2023) | 0.121 (10/25/2017) | (0.043 - 0.121)/(42 - 20) | -0.00354545 |
| 0.067 (8/7/2023) | 0.121 (10/25/2017) | (0.067 - 0.121)/(43 - 20) | -0.00234783 |
| 0.219 (12/12/2023) | 0.121 (10/25/2017) | (0.219 - 0.121)/(44 - 20) | 0.00408333 |
| 0.224 (1/10/2024) | 0.121 (10/25/2017) | (0.224 - 0.121)/(45 - 20) | 0.00412 |
| ND<0.03 U (5/21/2024) | 0.121 (10/25/2017) | (0.03 - 0.121)/(46 - 20) | -0.0035 |
| ND<0.014 U (9/16/2024) | 0.121 (10/25/2017) | (0.014 - 0.121)/(47 - 20) | -0.00396296 |
| ND<0.0196 U (12/11/2024) | 0.121 (10/25/2017) | (0.0196 - 0.121)/(48 - 20) | -0.00362143 |
| 0.085 (2/18/2025) | 0.121 (10/25/2017) | (0.085 - 0.121)/(49 - 20) | -0.00124138 |

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|---|---|---|---|
| 0.121 (6/29/2018) | 0.106 (3/28/2018) | (0.121 - 0.106)/(22 - 21) | 0.015 |
| 0.145 (8/2/2018) | 0.106 (3/28/2018) | (0.145 - 0.106)/(23 - 21) | 0.0195 |
| ND<0.025 U (12/10/2018) | 0.106 (3/28/2018) | (0.025 - 0.106)/(24 - 21) | -0.027 |
| 0.063 (4/15/2019) | 0.106 (3/28/2018) | (0.063 - 0.106)/(25 - 21) | -0.01075 |
| ND<0.025 U (6/12/2019) | 0.106 (3/28/2018) | (0.025 - 0.106)/(26 - 21) | -0.0162 |
| ND<0.025 U (8/27/2019) | 0.106 (3/28/2018) | (0.025 - 0.106)/(27 - 21) | -0.0135 |
| 0.049 (10/29/2019) | 0.106 (3/28/2018) | (0.049 - 0.106)/(28 - 21) | -0.00814286 |
| ND<0.025 U (3/30/2020) | 0.106 (3/28/2018) | (0.025 - 0.106)/(29 - 21) | -0.010125 |
| 0.031 (6/16/2020) | 0.106 (3/28/2018) | (0.031 - 0.106)/(30 - 21) | -0.00833333 |
| ND<0.03 U (9/21/2020) | 0.106 (3/28/2018) | (0.03 - 0.106)/(31 - 21) | -0.0076 |
| 0.072 (12/17/2020) | 0.106 (3/28/2018) | (0.072 - 0.106)/(32 - 21) | -0.00309091 |
| ND<0.03 U (3/18/2021) | 0.106 (3/28/2018) | (0.03 - 0.106)/(33 - 21) | -0.00633333 |
| ND<0.03 U (5/5/2021) | 0.106 (3/28/2018) | (0.03 - 0.106)/(34 - 21) | -0.00584615 |
| 0.19 (9/2/2021) | 0.106 (3/28/2018) | (0.19 - 0.106)/(35 - 21) | 0.006 |
| 0.076 (11/23/2021) | 0.106 (3/28/2018) | (0.076 - 0.106)/(36 - 21) | -0.002 |
| 0.054 (1/11/2022) | 0.106 (3/28/2018) | (0.054 - 0.106)/(37 - 21) | -0.00325 |
| 0.192 (4/7/2022) | 0.106 (3/28/2018) | (0.192 - 0.106)/(38 - 21) | 0.00505882 |
| ND<0.03 U (8/2/2022) | 0.106 (3/28/2018) | (0.03 - 0.106)/(39 - 21) | -0.00422222 |
| ND<0.03 U (11/16/2022) | 0.106 (3/28/2018) | (0.03 - 0.106)/(40 - 21) | -0.004 |
| ND<0.03 U (2/14/2023) | 0.106 (3/28/2018) | (0.03 - 0.106)/(41 - 21) | -0.0038 |
| 0.043 (5/25/2023) | 0.106 (3/28/2018) | (0.043 - 0.106)/(42 - 21) | -0.003 |
| 0.067 (8/7/2023) | 0.106 (3/28/2018) | (0.067 - 0.106)/(43 - 21) | -0.00177273 |
| 0.219 (12/12/2023) | 0.106 (3/28/2018) | (0.219 - 0.106)/(44 - 21) | 0.00491304 |
| 0.224 (1/10/2024) | 0.106 (3/28/2018) | (0.224 - 0.106)/(45 - 21) | 0.00491667 |
| ND<0.03 U (5/21/2024) | 0.106 (3/28/2018) | (0.03 - 0.106)/(46 - 21) | -0.00304 |
| ND<0.014 U (9/16/2024) | 0.106 (3/28/2018) | (0.014 - 0.106)/(47 - 21) | -0.00353846 |
| ND<0.0196 U (12/11/2024) | 0.106 (3/28/2018) | (0.0196 - 0.106)/(48 - 21) | -0.0032 |
| 0.085 (2/18/2025) | 0.106 (3/28/2018) | (0.085 - 0.106)/(49 - 21) | -0.00075 |
| | | | |
| 0.145 (8/2/2018) | 0.121 (6/29/2018) | (0.145 - 0.121)/(23 - 22) | 0.024 |
| ND<0.025 U (12/10/2018) | 0.121 (6/29/2018) | (0.025 - 0.121)/(24 - 22) | -0.048 |
| 0.063 (4/15/2019) | 0.121 (6/29/2018) | (0.063 - 0.121)/(25 - 22) | -0.0193333 |
| ND<0.025 U (6/12/2019) | 0.121 (6/29/2018) | (0.025 - 0.121)/(26 - 22) | -0.024 |
| ND<0.025 U (8/27/2019) | 0.121 (6/29/2018) | (0.025 - 0.121)/(27 - 22) | -0.0192 |
| 0.049 (10/29/2019) | 0.121 (6/29/2018) | (0.049 - 0.121)/(28 - 22) | -0.012 |
| ND<0.025 U (3/30/2020) | 0.121 (6/29/2018) | (0.025 - 0.121)/(29 - 22) | -0.0137143 |
| 0.031 (6/16/2020) | 0.121 (6/29/2018) | (0.031 - 0.121)/(30 - 22) | -0.01125 |
| ND<0.03 U (9/21/2020) | 0.121 (6/29/2018) | (0.03 - 0.121)/(31 - 22) | -0.0101111 |
| 0.072 (12/17/2020) | 0.121 (6/29/2018) | (0.072 - 0.121)/(32 - 22) | -0.0049 |
| ND<0.03 U (3/18/2021) | 0.121 (6/29/2018) | (0.03 - 0.121)/(33 - 22) | -0.00827273 |
| ND<0.03 U (5/5/2021) | 0.121 (6/29/2018) | (0.03 - 0.121)/(34 - 22) | -0.00758333 |
| 0.19 (9/2/2021) | 0.121 (6/29/2018) | (0.19 - 0.121)/(35 - 22) | 0.00530769 |
| 0.076 (11/23/2021) | 0.121 (6/29/2018) | (0.076 - 0.121)/(36 - 22) | -0.00321429 |
| 0.054 (1/11/2022) | 0.121 (6/29/2018) | (0.054 - 0.121)/(37 - 22) | -0.00446667 |
| 0.192 (4/7/2022) | 0.121 (6/29/2018) | (0.192 - 0.121)/(38 - 22) | 0.0044375 |
| ND<0.03 U (8/2/2022) | 0.121 (6/29/2018) | (0.03 - 0.121)/(39 - 22) | -0.00535294 |
| ND<0.03 U (11/16/2022) | 0.121 (6/29/2018) | (0.03 - 0.121)/(40 - 22) | -0.00505556 |
| ND<0.03 U (2/14/2023) | 0.121 (6/29/2018) | (0.03 - 0.121)/(41 - 22) | -0.00478947 |
| 0.043 (5/25/2023) | 0.121 (6/29/2018) | (0.043 - 0.121)/(42 - 22) | -0.0039 |
| 0.067 (8/7/2023) | 0.121 (6/29/2018) | (0.067 - 0.121)/(43 - 22) | -0.00257143 |
| 0.219 (12/12/2023) | 0.121 (6/29/2018) | (0.219 - 0.121)/(44 - 22) | 0.00445455 |
| 0.224 (1/10/2024) | 0.121 (6/29/2018) | (0.224 - 0.121)/(45 - 22) | 0.00447826 |
| ND<0.03 U (5/21/2024) | 0.121 (6/29/2018) | (0.03 - 0.121)/(46 - 22) | -0.00379167 |
| ND<0.014 U (9/16/2024) | 0.121 (6/29/2018) | (0.014 - 0.121)/(47 - 22) | -0.00428 |
| ND<0.0196 U (12/11/2024) | 0.121 (6/29/2018) | (0.0196 - 0.121)/(48 - 22) | -0.0039 |
| 0.085 (2/18/2025) | 0.121 (6/29/2018) | (0.085 - 0.121)/(49 - 22) | -0.00133333 |

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|---|---|---|---|
| ND<0.025 U (12/10/2018) | 0.145 (8/2/2018) | (0.025 - 0.145)/(24 - 23) | -0.12 |
| 0.063 (4/15/2019) | 0.145 (8/2/2018) | (0.063 - 0.145)/(25 - 23) | -0.041 |
| ND<0.025 U (6/12/2019) | 0.145 (8/2/2018) | (0.025 - 0.145)/(26 - 23) | -0.04 |
| ND<0.025 U (8/27/2019) | 0.145 (8/2/2018) | (0.025 - 0.145)/(27 - 23) | -0.03 |
| 0.049 (10/29/2019) | 0.145 (8/2/2018) | (0.049 - 0.145)/(28 - 23) | -0.0192 |
| ND<0.025 U (3/30/2020) | 0.145 (8/2/2018) | (0.025 - 0.145)/(29 - 23) | -0.02 |
| 0.031 (6/16/2020) | 0.145 (8/2/2018) | (0.031 - 0.145)/(30 - 23) | -0.0162857 |
| ND<0.03 U (9/21/2020) | 0.145 (8/2/2018) | (0.03 - 0.145)/(31 - 23) | -0.014375 |
| 0.072 (12/17/2020) | 0.145 (8/2/2018) | (0.072 - 0.145)/(32 - 23) | -0.00811111 |
| ND<0.03 U (3/18/2021) | 0.145 (8/2/2018) | (0.03 - 0.145)/(33 - 23) | -0.0115 |
| ND<0.03 U (5/5/2021) | 0.145 (8/2/2018) | (0.03 - 0.145)/(34 - 23) | -0.0104545 |
| 0.19 (9/2/2021) | 0.145 (8/2/2018) | (0.19 - 0.145)/(35 - 23) | 0.00375 |
| 0.076 (11/23/2021) | 0.145 (8/2/2018) | (0.076 - 0.145)/(36 - 23) | -0.00530769 |
| 0.054 (1/11/2022) | 0.145 (8/2/2018) | (0.054 - 0.145)/(37 - 23) | -0.0065 |
| 0.192 (4/7/2022) | 0.145 (8/2/2018) | (0.192 - 0.145)/(38 - 23) | 0.00313333 |
| ND<0.03 U (8/2/2022) | 0.145 (8/2/2018) | (0.03 - 0.145)/(39 - 23) | -0.0071875 |
| ND<0.03 U (11/16/2022) | 0.145 (8/2/2018) | (0.03 - 0.145)/(40 - 23) | -0.00676471 |
| ND<0.03 U (2/14/2023) | 0.145 (8/2/2018) | (0.03 - 0.145)/(41 - 23) | -0.00638889 |
| 0.043 (5/25/2023) | 0.145 (8/2/2018) | (0.043 - 0.145)/(42 - 23) | -0.00536842 |
| 0.067 (8/7/2023) | 0.145 (8/2/2018) | (0.067 - 0.145)/(43 - 23) | -0.0039 |
| 0.219 (12/12/2023) | 0.145 (8/2/2018) | (0.219 - 0.145)/(44 - 23) | 0.00352381 |
| 0.224 (1/10/2024) | 0.145 (8/2/2018) | (0.224 - 0.145)/(45 - 23) | 0.00359091 |
| ND<0.03 U (5/21/2024) | 0.145 (8/2/2018) | (0.03 - 0.145)/(46 - 23) | -0.005 |
| ND<0.014 U (9/16/2024) | 0.145 (8/2/2018) | (0.014 - 0.145)/(47 - 23) | -0.00545833 |
| ND<0.0196 U (12/11/2024) | 0.145 (8/2/2018) | (0.0196 - 0.145)/(48 - 23) | -0.005016 |
| 0.085 (2/18/2025) | 0.145 (8/2/2018) | (0.085 - 0.145)/(49 - 23) | -0.00230769 |
| | | | |
| 0.063 (4/15/2019) | ND<0.025 U (12/10/2018) | (0.063 - 0.025)/(25 - 24) | 0.038 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| 0.049 (10/29/2019) | ND<0.025 U (12/10/2018) | (0.049 - 0.025)/(28 - 24) | 0.006 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(29 - 24) | 0 |
| 0.031 (6/16/2020) | ND<0.025 U (12/10/2018) | (0.031 - 0.025)/(30 - 24) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| 0.072 (12/17/2020) | ND<0.025 U (12/10/2018) | (0.072 - 0.025)/(32 - 24) | 0.005875 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| 0.19 (9/2/2021) | ND<0.025 U (12/10/2018) | (0.19 - 0.025)/(35 - 24) | 0.015 |
| 0.076 (11/23/2021) | ND<0.025 U (12/10/2018) | (0.076 - 0.025)/(36 - 24) | 0.00425 |
| 0.054 (1/11/2022) | ND<0.025 U (12/10/2018) | (0.054 - 0.025)/(37 - 24) | 0.00223077 |
| 0.192 (4/7/2022) | ND<0.025 U (12/10/2018) | (0.192 - 0.025)/(38 - 24) | 0.0119286 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(41 - 24) | 0.000294118 |
| 0.043 (5/25/2023) | ND<0.025 U (12/10/2018) | (0.043 - 0.025)/(42 - 24) | 0.001 |
| 0.067 (8/7/2023) | ND<0.025 U (12/10/2018) | (0.067 - 0.025)/(43 - 24) | 0.00221053 |
| 0.219 (12/12/2023) | ND<0.025 U (12/10/2018) | (0.219 - 0.025)/(44 - 24) | 0.0097 |
| 0.224 (1/10/2024) | ND<0.025 U (12/10/2018) | (0.224 - 0.025)/(45 - 24) | 0.00947619 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(46 - 24) | 0.000227273 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(47 - 24) | -0.000478261 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/10/2018) | (0.0196 - 0.025)/(48 - 24) | -0.000225 |
| 0.085 (2/18/2025) | ND<0.025 U (12/10/2018) | (0.085 - 0.025)/(49 - 24) | 0.0024 |
| | | | |
| ND<0.025 U (6/12/2019) | 0.063 (4/15/2019) | (0.025 - 0.063)/(26 - 25) | -0.038 |
| ND<0.025 U (8/27/2019) | 0.063 (4/15/2019) | (0.025 - 0.063)/(27 - 25) | -0.019 |
| 0.049 (10/29/2019) | 0.063 (4/15/2019) | (0.049 - 0.063)/(28 - 25) | -0.00466667 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | 0.063 (4/15/2019) | (0.025 - 0.063)/(29 - 25) | -0.0095 |
| 0.031 (6/16/2020) | 0.063 (4/15/2019) | (0.031 - 0.063)/(30 - 25) | -0.0064 |
| ND<0.03 U (9/21/2020) | 0.063 (4/15/2019) | (0.03 - 0.063)/(31 - 25) | -0.0055 |
| 0.072 (12/17/2020) | 0.063 (4/15/2019) | (0.072 - 0.063)/(32 - 25) | 0.00128571 |
| ND<0.03 U (3/18/2021) | 0.063 (4/15/2019) | (0.03 - 0.063)/(33 - 25) | -0.004125 |
| ND<0.03 U (5/5/2021) | 0.063 (4/15/2019) | (0.03 - 0.063)/(34 - 25) | -0.00366667 |
| 0.19 (9/2/2021) | 0.063 (4/15/2019) | (0.19 - 0.063)/(35 - 25) | 0.0127 |
| 0.076 (11/23/2021) | 0.063 (4/15/2019) | (0.076 - 0.063)/(36 - 25) | 0.00118182 |
| 0.054 (1/11/2022) | 0.063 (4/15/2019) | (0.054 - 0.063)/(37 - 25) | -0.00075 |
| 0.192 (4/7/2022) | 0.063 (4/15/2019) | (0.192 - 0.063)/(38 - 25) | 0.00992308 |
| ND<0.03 U (8/2/2022) | 0.063 (4/15/2019) | (0.03 - 0.063)/(39 - 25) | -0.00235714 |
| ND<0.03 U (11/16/2022) | 0.063 (4/15/2019) | (0.03 - 0.063)/(40 - 25) | -0.0022 |
| ND<0.03 U (2/14/2023) | 0.063 (4/15/2019) | (0.03 - 0.063)/(41 - 25) | -0.0020625 |
| 0.043 (5/25/2023) | 0.063 (4/15/2019) | (0.043 - 0.063)/(42 - 25) | -0.00117647 |
| 0.067 (8/7/2023) | 0.063 (4/15/2019) | (0.067 - 0.063)/(43 - 25) | 0.000222222 |
| 0.219 (12/12/2023) | 0.063 (4/15/2019) | (0.219 - 0.063)/(44 - 25) | 0.00821053 |
| 0.224 (1/10/2024) | 0.063 (4/15/2019) | (0.224 - 0.063)/(45 - 25) | 0.00805 |
| ND<0.03 U (5/21/2024) | 0.063 (4/15/2019) | (0.03 - 0.063)/(46 - 25) | -0.00157143 |
| ND<0.014 U (9/16/2024) | 0.063 (4/15/2019) | (0.014 - 0.063)/(47 - 25) | -0.00222727 |
| ND<0.0196 U (12/11/2024) | 0.063 (4/15/2019) | (0.0196 - 0.063)/(48 - 25) | -0.00188696 |
| 0.085 (2/18/2025) | 0.063 (4/15/2019) | (0.085 - 0.063)/(49 - 25) | 0.000916667 |
| | | | |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| 0.049 (10/29/2019) | ND<0.025 U (6/12/2019) | (0.049 - 0.025)/(28 - 26) | 0.012 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(29 - 26) | 0 |
| 0.031 (6/16/2020) | ND<0.025 U (6/12/2019) | (0.031 - 0.025)/(30 - 26) | 0.0015 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| 0.072 (12/17/2020) | ND<0.025 U (6/12/2019) | (0.072 - 0.025)/(32 - 26) | 0.00783333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| 0.19 (9/2/2021) | ND<0.025 U (6/12/2019) | (0.19 - 0.025)/(35 - 26) | 0.0183333 |
| 0.076 (11/23/2021) | ND<0.025 U (6/12/2019) | (0.076 - 0.025)/(36 - 26) | 0.0051 |
| 0.054 (1/11/2022) | ND<0.025 U (6/12/2019) | (0.054 - 0.025)/(37 - 26) | 0.00263636 |
| 0.192 (4/7/2022) | ND<0.025 U (6/12/2019) | (0.192 - 0.025)/(38 - 26) | 0.0139167 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(41 - 26) | 0.000333333 |
| 0.043 (5/25/2023) | ND<0.025 U (6/12/2019) | (0.043 - 0.025)/(42 - 26) | 0.001125 |
| 0.067 (8/7/2023) | ND<0.025 U (6/12/2019) | (0.067 - 0.025)/(43 - 26) | 0.00247059 |
| 0.219 (12/12/2023) | ND<0.025 U (6/12/2019) | (0.219 - 0.025)/(44 - 26) | 0.0107778 |
| 0.224 (1/10/2024) | ND<0.025 U (6/12/2019) | (0.224 - 0.025)/(45 - 26) | 0.0104737 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(46 - 26) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(47 - 26) | -0.00052381 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/12/2019) | (0.0196 - 0.025)/(48 - 26) | -0.000245455 |
| 0.085 (2/18/2025) | ND<0.025 U (6/12/2019) | (0.085 - 0.025)/(49 - 26) | 0.0026087 |
| | | | |
| 0.049 (10/29/2019) | ND<0.025 U (8/27/2019) | (0.049 - 0.025)/(28 - 27) | 0.024 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(29 - 27) | 0 |
| 0.031 (6/16/2020) | ND<0.025 U (8/27/2019) | (0.031 - 0.025)/(30 - 27) | 0.002 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| 0.072 (12/17/2020) | ND<0.025 U (8/27/2019) | (0.072 - 0.025)/(32 - 27) | 0.0094 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| 0.19 (9/2/2021) | ND<0.025 U (8/27/2019) | (0.19 - 0.025)/(35 - 27) | 0.020625 |
| 0.076 (11/23/2021) | ND<0.025 U (8/27/2019) | (0.076 - 0.025)/(36 - 27) | 0.00566667 |
| 0.054 (1/11/2022) | ND<0.025 U (8/27/2019) | (0.054 - 0.025)/(37 - 27) | 0.0029 |
| 0.192 (4/7/2022) | ND<0.025 U (8/27/2019) | (0.192 - 0.025)/(38 - 27) | 0.0151818 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| 0.043 (5/25/2023) | ND<0.025 U (8/27/2019) | (0.043 - 0.025)/(42 - 27) | 0.0012 |
| 0.067 (8/7/2023) | ND<0.025 U (8/27/2019) | (0.067 - 0.025)/(43 - 27) | 0.002625 |
| 0.219 (12/12/2023) | ND<0.025 U (8/27/2019) | (0.219 - 0.025)/(44 - 27) | 0.0114118 |
| 0.224 (1/10/2024) | ND<0.025 U (8/27/2019) | (0.224 - 0.025)/(45 - 27) | 0.0110556 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(46 - 27) | 0.000263158 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(47 - 27) | -0.00055 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/27/2019) | (0.0196 - 0.025)/(48 - 27) | -0.000257143 |
| 0.085 (2/18/2025) | ND<0.025 U (8/27/2019) | (0.085 - 0.025)/(49 - 27) | 0.00272727 |
| | | | |
| ND<0.025 U (3/30/2020) | 0.049 (10/29/2019) | (0.025 - 0.049)/(29 - 28) | -0.024 |
| 0.031 (6/16/2020) | 0.049 (10/29/2019) | (0.031 - 0.049)/(30 - 28) | -0.009 |
| ND<0.03 U (9/21/2020) | 0.049 (10/29/2019) | (0.03 - 0.049)/(31 - 28) | -0.00633333 |
| 0.072 (12/17/2020) | 0.049 (10/29/2019) | (0.072 - 0.049)/(32 - 28) | 0.00575 |
| ND<0.03 U (3/18/2021) | 0.049 (10/29/2019) | (0.03 - 0.049)/(33 - 28) | -0.0038 |
| ND<0.03 U (5/5/2021) | 0.049 (10/29/2019) | (0.03 - 0.049)/(34 - 28) | -0.00316667 |
| 0.19 (9/2/2021) | 0.049 (10/29/2019) | (0.19 - 0.049)/(35 - 28) | 0.0201429 |
| 0.076 (11/23/2021) | 0.049 (10/29/2019) | (0.076 - 0.049)/(36 - 28) | 0.003375 |
| 0.054 (1/11/2022) | 0.049 (10/29/2019) | (0.054 - 0.049)/(37 - 28) | 0.000555556 |
| 0.192 (4/7/2022) | 0.049 (10/29/2019) | (0.192 - 0.049)/(38 - 28) | 0.0143 |
| ND<0.03 U (8/2/2022) | 0.049 (10/29/2019) | (0.03 - 0.049)/(39 - 28) | -0.00172727 |
| ND<0.03 U (11/16/2022) | 0.049 (10/29/2019) | (0.03 - 0.049)/(40 - 28) | -0.00158333 |
| ND<0.03 U (2/14/2023) | 0.049 (10/29/2019) | (0.03 - 0.049)/(41 - 28) | -0.00146154 |
| 0.043 (5/25/2023) | 0.049 (10/29/2019) | (0.043 - 0.049)/(42 - 28) | -0.000428571 |
| 0.067 (8/7/2023) | 0.049 (10/29/2019) | (0.067 - 0.049)/(43 - 28) | 0.0012 |
| 0.219 (12/12/2023) | 0.049 (10/29/2019) | (0.219 - 0.049)/(44 - 28) | 0.010625 |
| 0.224 (1/10/2024) | 0.049 (10/29/2019) | (0.224 - 0.049)/(45 - 28) | 0.0102941 |
| ND<0.03 U (5/21/2024) | 0.049 (10/29/2019) | (0.03 - 0.049)/(46 - 28) | -0.00105556 |
| ND<0.014 U (9/16/2024) | 0.049 (10/29/2019) | (0.014 - 0.049)/(47 - 28) | -0.00184211 |
| ND<0.0196 U (12/11/2024) | 0.049 (10/29/2019) | (0.0196 - 0.049)/(48 - 28) | -0.00147 |
| 0.085 (2/18/2025) | 0.049 (10/29/2019) | (0.085 - 0.049)/(49 - 28) | 0.00171429 |
| | | | |
| 0.031 (6/16/2020) | ND<0.025 U (3/30/2020) | (0.031 - 0.025)/(30 - 29) | 0.006 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(31 - 29) | 0.0025 |
| 0.072 (12/17/2020) | ND<0.025 U (3/30/2020) | (0.072 - 0.025)/(32 - 29) | 0.0156667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(33 - 29) | 0.00125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(34 - 29) | 0.001 |
| 0.19 (9/2/2021) | ND<0.025 U (3/30/2020) | (0.19 - 0.025)/(35 - 29) | 0.0275 |
| 0.076 (11/23/2021) | ND<0.025 U (3/30/2020) | (0.076 - 0.025)/(36 - 29) | 0.00728571 |
| 0.054 (1/11/2022) | ND<0.025 U (3/30/2020) | (0.054 - 0.025)/(37 - 29) | 0.003625 |
| 0.192 (4/7/2022) | ND<0.025 U (3/30/2020) | (0.192 - 0.025)/(38 - 29) | 0.0185556 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(39 - 29) | 0.0005 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(40 - 29) | 0.000454545 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(41 - 29) | 0.000416667 |
| 0.043 (5/25/2023) | ND<0.025 U (3/30/2020) | (0.043 - 0.025)/(42 - 29) | 0.00138462 |
| 0.067 (8/7/2023) | ND<0.025 U (3/30/2020) | (0.067 - 0.025)/(43 - 29) | 0.003 |
| 0.219 (12/12/2023) | ND<0.025 U (3/30/2020) | (0.219 - 0.025)/(44 - 29) | 0.0129333 |
| 0.224 (1/10/2024) | ND<0.025 U (3/30/2020) | (0.224 - 0.025)/(45 - 29) | 0.0124375 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(46 - 29) | 0.000294118 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(47 - 29) | -0.000611111 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/30/2020) | (0.0196 - 0.025)/(48 - 29) | -0.000284211 |
| 0.085 (2/18/2025) | ND<0.025 U (3/30/2020) | (0.085 - 0.025)/(49 - 29) | 0.003 |
| | | | |
| ND<0.03 U (9/21/2020) | 0.031 (6/16/2020) | (0.03 - 0.031)/(31 - 30) | -0.001 |
| 0.072 (12/17/2020) | 0.031 (6/16/2020) | (0.072 - 0.031)/(32 - 30) | 0.0205 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | 0.031 (6/16/2020) | (0.03 - 0.031)/(33 - 30) | -0.000333333 |
| ND<0.03 U (5/5/2021) | 0.031 (6/16/2020) | (0.03 - 0.031)/(34 - 30) | -0.00025 |
| 0.19 (9/2/2021) | 0.031 (6/16/2020) | (0.19 - 0.031)/(35 - 30) | 0.0318 |
| 0.076 (11/23/2021) | 0.031 (6/16/2020) | (0.076 - 0.031)/(36 - 30) | 0.0075 |
| 0.054 (1/11/2022) | 0.031 (6/16/2020) | (0.054 - 0.031)/(37 - 30) | 0.00328571 |
| 0.192 (4/7/2022) | 0.031 (6/16/2020) | (0.192 - 0.031)/(38 - 30) | 0.020125 |
| ND<0.03 U (8/2/2022) | 0.031 (6/16/2020) | (0.03 - 0.031)/(39 - 30) | -0.000111111 |
| ND<0.03 U (11/16/2022) | 0.031 (6/16/2020) | (0.03 - 0.031)/(40 - 30) | -0.0001 |
| ND<0.03 U (2/14/2023) | 0.031 (6/16/2020) | (0.03 - 0.031)/(41 - 30) | -9.09091e-05 |
| 0.043 (5/25/2023) | 0.031 (6/16/2020) | (0.043 - 0.031)/(42 - 30) | 0.001 |
| 0.067 (8/7/2023) | 0.031 (6/16/2020) | (0.067 - 0.031)/(43 - 30) | 0.00276923 |
| 0.219 (12/12/2023) | 0.031 (6/16/2020) | (0.219 - 0.031)/(44 - 30) | 0.0134286 |
| 0.224 (1/10/2024) | 0.031 (6/16/2020) | (0.224 - 0.031)/(45 - 30) | 0.0128667 |
| ND<0.03 U (5/21/2024) | 0.031 (6/16/2020) | (0.03 - 0.031)/(46 - 30) | -6.25e-05 |
| ND<0.014 U (9/16/2024) | 0.031 (6/16/2020) | (0.014 - 0.031)/(47 - 30) | -0.001 |
| ND<0.0196 U (12/11/2024) | 0.031 (6/16/2020) | (0.0196 - 0.031)/(48 - 30) | -0.000633333 |
| 0.085 (2/18/2025) | 0.031 (6/16/2020) | (0.085 - 0.031)/(49 - 30) | 0.00284211 |

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|---|---|---|---|
| 0.072 (12/17/2020) | ND<0.03 U (9/21/2020) | (0.072 - 0.03)/(32 - 31) | 0.042 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| 0.19 (9/2/2021) | ND<0.03 U (9/21/2020) | (0.19 - 0.03)/(35 - 31) | 0.04 |
| 0.076 (11/23/2021) | ND<0.03 U (9/21/2020) | (0.076 - 0.03)/(36 - 31) | 0.0092 |
| 0.054 (1/11/2022) | ND<0.03 U (9/21/2020) | (0.054 - 0.03)/(37 - 31) | 0.004 |
| 0.192 (4/7/2022) | ND<0.03 U (9/21/2020) | (0.192 - 0.03)/(38 - 31) | 0.0231429 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| 0.043 (5/25/2023) | ND<0.03 U (9/21/2020) | (0.043 - 0.03)/(42 - 31) | 0.00118182 |
| 0.067 (8/7/2023) | ND<0.03 U (9/21/2020) | (0.067 - 0.03)/(43 - 31) | 0.00308333 |
| 0.219 (12/12/2023) | ND<0.03 U (9/21/2020) | (0.219 - 0.03)/(44 - 31) | 0.0145385 |
| 0.224 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.224 - 0.03)/(45 - 31) | 0.0138571 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(46 - 31) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(47 - 31) | -0.001 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/21/2020) | (0.0196 - 0.03)/(48 - 31) | -0.000611765 |
| 0.085 (2/18/2025) | ND<0.03 U (9/21/2020) | (0.085 - 0.03)/(49 - 31) | 0.00305556 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | 0.072 (12/17/2020) | (0.03 - 0.072)/(33 - 32) | -0.042 |
| ND<0.03 U (5/5/2021) | 0.072 (12/17/2020) | (0.03 - 0.072)/(34 - 32) | -0.021 |
| 0.19 (9/2/2021) | 0.072 (12/17/2020) | (0.19 - 0.072)/(35 - 32) | 0.0393333 |
| 0.076 (11/23/2021) | 0.072 (12/17/2020) | (0.076 - 0.072)/(36 - 32) | 0.001 |
| 0.054 (1/11/2022) | 0.072 (12/17/2020) | (0.054 - 0.072)/(37 - 32) | -0.0036 |
| 0.192 (4/7/2022) | 0.072 (12/17/2020) | (0.192 - 0.072)/(38 - 32) | 0.02 |
| ND<0.03 U (8/2/2022) | 0.072 (12/17/2020) | (0.03 - 0.072)/(39 - 32) | -0.006 |
| ND<0.03 U (11/16/2022) | 0.072 (12/17/2020) | (0.03 - 0.072)/(40 - 32) | -0.00525 |
| ND<0.03 U (2/14/2023) | 0.072 (12/17/2020) | (0.03 - 0.072)/(41 - 32) | -0.00466667 |
| 0.043 (5/25/2023) | 0.072 (12/17/2020) | (0.043 - 0.072)/(42 - 32) | -0.0029 |
| 0.067 (8/7/2023) | 0.072 (12/17/2020) | (0.067 - 0.072)/(43 - 32) | -0.000454545 |
| 0.219 (12/12/2023) | 0.072 (12/17/2020) | (0.219 - 0.072)/(44 - 32) | 0.01225 |
| 0.224 (1/10/2024) | 0.072 (12/17/2020) | (0.224 - 0.072)/(45 - 32) | 0.0116923 |
| ND<0.03 U (5/21/2024) | 0.072 (12/17/2020) | (0.03 - 0.072)/(46 - 32) | -0.003 |
| ND<0.014 U (9/16/2024) | 0.072 (12/17/2020) | (0.014 - 0.072)/(47 - 32) | -0.00386667 |
| ND<0.0196 U (12/11/2024) | 0.072 (12/17/2020) | (0.0196 - 0.072)/(48 - 32) | -0.003275 |
| 0.085 (2/18/2025) | 0.072 (12/17/2020) | (0.085 - 0.072)/(49 - 32) | 0.000764706 |

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|---|---|---|---|
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| 0.19 (9/2/2021) | ND<0.03 U (3/18/2021) | (0.19 - 0.03)/(35 - 33) | 0.08 |

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|---|---|---|---|
| 0.076 (11/23/2021) | ND<0.03 U (3/18/2021) | (0.076 - 0.03)/(36 - 33) | 0.0153333 |
| 0.054 (1/11/2022) | ND<0.03 U (3/18/2021) | (0.054 - 0.03)/(37 - 33) | 0.006 |
| 0.192 (4/7/2022) | ND<0.03 U (3/18/2021) | (0.192 - 0.03)/(38 - 33) | 0.0324 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| 0.043 (5/25/2023) | ND<0.03 U (3/18/2021) | (0.043 - 0.03)/(42 - 33) | 0.00144444 |
| 0.067 (8/7/2023) | ND<0.03 U (3/18/2021) | (0.067 - 0.03)/(43 - 33) | 0.0037 |
| 0.219 (12/12/2023) | ND<0.03 U (3/18/2021) | (0.219 - 0.03)/(44 - 33) | 0.0171818 |
| 0.224 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.224 - 0.03)/(45 - 33) | 0.0161667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(46 - 33) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(47 - 33) | -0.00114286 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(48 - 33) | -0.000693333 |
| 0.085 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.085 - 0.03)/(49 - 33) | 0.0034375 |
| | | | |
| 0.19 (9/2/2021) | ND<0.03 U (5/5/2021) | (0.19 - 0.03)/(35 - 34) | 0.16 |
| 0.076 (11/23/2021) | ND<0.03 U (5/5/2021) | (0.076 - 0.03)/(36 - 34) | 0.023 |
| 0.054 (1/11/2022) | ND<0.03 U (5/5/2021) | (0.054 - 0.03)/(37 - 34) | 0.008 |
| 0.192 (4/7/2022) | ND<0.03 U (5/5/2021) | (0.192 - 0.03)/(38 - 34) | 0.0405 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(41 - 34) | 0 |
| 0.043 (5/25/2023) | ND<0.03 U (5/5/2021) | (0.043 - 0.03)/(42 - 34) | 0.001625 |
| 0.067 (8/7/2023) | ND<0.03 U (5/5/2021) | (0.067 - 0.03)/(43 - 34) | 0.00411111 |
| 0.219 (12/12/2023) | ND<0.03 U (5/5/2021) | (0.219 - 0.03)/(44 - 34) | 0.0189 |
| 0.224 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.224 - 0.03)/(45 - 34) | 0.0176364 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(46 - 34) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(47 - 34) | -0.00123077 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(48 - 34) | -0.000742857 |
| 0.085 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.085 - 0.03)/(49 - 34) | 0.00366667 |
| | | | |
| 0.076 (11/23/2021) | 0.19 (9/2/2021) | (0.076 - 0.19)/(36 - 35) | -0.114 |
| 0.054 (1/11/2022) | 0.19 (9/2/2021) | (0.054 - 0.19)/(37 - 35) | -0.068 |
| 0.192 (4/7/2022) | 0.19 (9/2/2021) | (0.192 - 0.19)/(38 - 35) | 0.000666667 |
| ND<0.03 U (8/2/2022) | 0.19 (9/2/2021) | (0.03 - 0.19)/(39 - 35) | -0.04 |
| ND<0.03 U (11/16/2022) | 0.19 (9/2/2021) | (0.03 - 0.19)/(40 - 35) | -0.032 |
| ND<0.03 U (2/14/2023) | 0.19 (9/2/2021) | (0.03 - 0.19)/(41 - 35) | -0.0266667 |
| 0.043 (5/25/2023) | 0.19 (9/2/2021) | (0.043 - 0.19)/(42 - 35) | -0.021 |
| 0.067 (8/7/2023) | 0.19 (9/2/2021) | (0.067 - 0.19)/(43 - 35) | -0.015375 |
| 0.219 (12/12/2023) | 0.19 (9/2/2021) | (0.219 - 0.19)/(44 - 35) | 0.00322222 |
| 0.224 (1/10/2024) | 0.19 (9/2/2021) | (0.224 - 0.19)/(45 - 35) | 0.0034 |
| ND<0.03 U (5/21/2024) | 0.19 (9/2/2021) | (0.03 - 0.19)/(46 - 35) | -0.0145455 |
| ND<0.014 U (9/16/2024) | 0.19 (9/2/2021) | (0.014 - 0.19)/(47 - 35) | -0.0146667 |
| ND<0.0196 U (12/11/2024) | 0.19 (9/2/2021) | (0.0196 - 0.19)/(48 - 35) | -0.0131077 |
| 0.085 (2/18/2025) | 0.19 (9/2/2021) | (0.085 - 0.19)/(49 - 35) | -0.0075 |
| | | | |
| 0.054 (1/11/2022) | 0.076 (11/23/2021) | (0.054 - 0.076)/(37 - 36) | -0.022 |
| 0.192 (4/7/2022) | 0.076 (11/23/2021) | (0.192 - 0.076)/(38 - 36) | 0.058 |
| ND<0.03 U (8/2/2022) | 0.076 (11/23/2021) | (0.03 - 0.076)/(39 - 36) | -0.0153333 |
| ND<0.03 U (11/16/2022) | 0.076 (11/23/2021) | (0.03 - 0.076)/(40 - 36) | -0.0115 |
| ND<0.03 U (2/14/2023) | 0.076 (11/23/2021) | (0.03 - 0.076)/(41 - 36) | -0.0092 |
| 0.043 (5/25/2023) | 0.076 (11/23/2021) | (0.043 - 0.076)/(42 - 36) | -0.0055 |
| 0.067 (8/7/2023) | 0.076 (11/23/2021) | (0.067 - 0.076)/(43 - 36) | -0.00128571 |
| 0.219 (12/12/2023) | 0.076 (11/23/2021) | (0.219 - 0.076)/(44 - 36) | 0.017875 |
| 0.224 (1/10/2024) | 0.076 (11/23/2021) | (0.224 - 0.076)/(45 - 36) | 0.0164444 |
| ND<0.03 U (5/21/2024) | 0.076 (11/23/2021) | (0.03 - 0.076)/(46 - 36) | -0.0046 |
| ND<0.014 U (9/16/2024) | 0.076 (11/23/2021) | (0.014 - 0.076)/(47 - 36) | -0.00563636 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | 0.076 (11/23/2021) | (0.0196 - 0.076)/(48 - 36) | -0.0047 |
| 0.085 (2/18/2025) | 0.076 (11/23/2021) | (0.085 - 0.076)/(49 - 36) | 0.000692308 |
| | | | |
| 0.192 (4/7/2022) | 0.054 (1/11/2022) | (0.192 - 0.054)/(38 - 37) | 0.138 |
| ND<0.03 U (8/2/2022) | 0.054 (1/11/2022) | (0.03 - 0.054)/(39 - 37) | -0.012 |
| ND<0.03 U (11/16/2022) | 0.054 (1/11/2022) | (0.03 - 0.054)/(40 - 37) | -0.008 |
| ND<0.03 U (2/14/2023) | 0.054 (1/11/2022) | (0.03 - 0.054)/(41 - 37) | -0.006 |
| 0.043 (5/25/2023) | 0.054 (1/11/2022) | (0.043 - 0.054)/(42 - 37) | -0.0022 |
| 0.067 (8/7/2023) | 0.054 (1/11/2022) | (0.067 - 0.054)/(43 - 37) | 0.00216667 |
| 0.219 (12/12/2023) | 0.054 (1/11/2022) | (0.219 - 0.054)/(44 - 37) | 0.0235714 |
| 0.224 (1/10/2024) | 0.054 (1/11/2022) | (0.224 - 0.054)/(45 - 37) | 0.02125 |
| ND<0.03 U (5/21/2024) | 0.054 (1/11/2022) | (0.03 - 0.054)/(46 - 37) | -0.00266667 |
| ND<0.014 U (9/16/2024) | 0.054 (1/11/2022) | (0.014 - 0.054)/(47 - 37) | -0.004 |
| ND<0.0196 U (12/11/2024) | 0.054 (1/11/2022) | (0.0196 - 0.054)/(48 - 37) | -0.00312727 |
| 0.085 (2/18/2025) | 0.054 (1/11/2022) | (0.085 - 0.054)/(49 - 37) | 0.00258333 |
| | | | |
| ND<0.03 U (8/2/2022) | 0.192 (4/7/2022) | (0.03 - 0.192)/(39 - 38) | -0.162 |
| ND<0.03 U (11/16/2022) | 0.192 (4/7/2022) | (0.03 - 0.192)/(40 - 38) | -0.081 |
| ND<0.03 U (2/14/2023) | 0.192 (4/7/2022) | (0.03 - 0.192)/(41 - 38) | -0.054 |
| 0.043 (5/25/2023) | 0.192 (4/7/2022) | (0.043 - 0.192)/(42 - 38) | -0.03725 |
| 0.067 (8/7/2023) | 0.192 (4/7/2022) | (0.067 - 0.192)/(43 - 38) | -0.025 |
| 0.219 (12/12/2023) | 0.192 (4/7/2022) | (0.219 - 0.192)/(44 - 38) | 0.0045 |
| 0.224 (1/10/2024) | 0.192 (4/7/2022) | (0.224 - 0.192)/(45 - 38) | 0.00457143 |
| ND<0.03 U (5/21/2024) | 0.192 (4/7/2022) | (0.03 - 0.192)/(46 - 38) | -0.02025 |
| ND<0.014 U (9/16/2024) | 0.192 (4/7/2022) | (0.014 - 0.192)/(47 - 38) | -0.0197778 |
| ND<0.0196 U (12/11/2024) | 0.192 (4/7/2022) | (0.0196 - 0.192)/(48 - 38) | -0.01724 |
| 0.085 (2/18/2025) | 0.192 (4/7/2022) | (0.085 - 0.192)/(49 - 38) | -0.00972727 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| 0.043 (5/25/2023) | ND<0.03 U (8/2/2022) | (0.043 - 0.03)/(42 - 39) | 0.00433333 |
| 0.067 (8/7/2023) | ND<0.03 U (8/2/2022) | (0.067 - 0.03)/(43 - 39) | 0.00925 |
| 0.219 (12/12/2023) | ND<0.03 U (8/2/2022) | (0.219 - 0.03)/(44 - 39) | 0.0378 |
| 0.224 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.224 - 0.03)/(45 - 39) | 0.0323333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(46 - 39) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(47 - 39) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/2/2022) | (0.0196 - 0.03)/(48 - 39) | -0.00115556 |
| 0.085 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.085 - 0.03)/(49 - 39) | 0.0055 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |
| 0.043 (5/25/2023) | ND<0.03 U (11/16/2022) | (0.043 - 0.03)/(42 - 40) | 0.0065 |
| 0.067 (8/7/2023) | ND<0.03 U (11/16/2022) | (0.067 - 0.03)/(43 - 40) | 0.0123333 |
| 0.219 (12/12/2023) | ND<0.03 U (11/16/2022) | (0.219 - 0.03)/(44 - 40) | 0.04725 |
| 0.224 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.224 - 0.03)/(45 - 40) | 0.0388 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(46 - 40) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(47 - 40) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(48 - 40) | -0.0013 |
| 0.085 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.085 - 0.03)/(49 - 40) | 0.00611111 |
| | | | |
| 0.043 (5/25/2023) | ND<0.03 U (2/14/2023) | (0.043 - 0.03)/(42 - 41) | 0.013 |
| 0.067 (8/7/2023) | ND<0.03 U (2/14/2023) | (0.067 - 0.03)/(43 - 41) | 0.0185 |
| 0.219 (12/12/2023) | ND<0.03 U (2/14/2023) | (0.219 - 0.03)/(44 - 41) | 0.063 |
| 0.224 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.224 - 0.03)/(45 - 41) | 0.0485 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(46 - 41) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(47 - 41) | -0.00266667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/14/2023) | (0.0196 - 0.03)/(48 - 41) | -0.00148571 |
| 0.085 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.085 - 0.03)/(49 - 41) | 0.006875 |

| | | | |
|---|---|---|---|
| 0.067 (8/7/2023) | 0.043 (5/25/2023) | (0.067 - 0.043)/(43 - 42) | 0.024 |
| 0.219 (12/12/2023) | 0.043 (5/25/2023) | (0.219 - 0.043)/(44 - 42) | 0.088 |
| 0.224 (1/10/2024) | 0.043 (5/25/2023) | (0.224 - 0.043)/(45 - 42) | 0.0603333 |
| ND<0.03 U (5/21/2024) | 0.043 (5/25/2023) | (0.03 - 0.043)/(46 - 42) | -0.00325 |
| ND<0.014 U (9/16/2024) | 0.043 (5/25/2023) | (0.014 - 0.043)/(47 - 42) | -0.0058 |
| ND<0.0196 U (12/11/2024) | 0.043 (5/25/2023) | (0.0196 - 0.043)/(48 - 42) | -0.0039 |
| 0.085 (2/18/2025) | 0.043 (5/25/2023) | (0.085 - 0.043)/(49 - 42) | 0.006 |
| | | | |
| 0.219 (12/12/2023) | 0.067 (8/7/2023) | (0.219 - 0.067)/(44 - 43) | 0.152 |
| 0.224 (1/10/2024) | 0.067 (8/7/2023) | (0.224 - 0.067)/(45 - 43) | 0.0785 |
| ND<0.03 U (5/21/2024) | 0.067 (8/7/2023) | (0.03 - 0.067)/(46 - 43) | -0.0123333 |
| ND<0.014 U (9/16/2024) | 0.067 (8/7/2023) | (0.014 - 0.067)/(47 - 43) | -0.01325 |
| ND<0.0196 U (12/11/2024) | 0.067 (8/7/2023) | (0.0196 - 0.067)/(48 - 43) | -0.00948 |
| 0.085 (2/18/2025) | 0.067 (8/7/2023) | (0.085 - 0.067)/(49 - 43) | 0.003 |
| | | | |
| 0.224 (1/10/2024) | 0.219 (12/12/2023) | (0.224 - 0.219)/(45 - 44) | 0.005 |
| ND<0.03 U (5/21/2024) | 0.219 (12/12/2023) | (0.03 - 0.219)/(46 - 44) | -0.0945 |
| ND<0.014 U (9/16/2024) | 0.219 (12/12/2023) | (0.014 - 0.219)/(47 - 44) | -0.0683333 |
| ND<0.0196 U (12/11/2024) | 0.219 (12/12/2023) | (0.0196 - 0.219)/(48 - 44) | -0.04985 |
| 0.085 (2/18/2025) | 0.219 (12/12/2023) | (0.085 - 0.219)/(49 - 44) | -0.0268 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.224 (1/10/2024) | (0.03 - 0.224)/(46 - 45) | -0.194 |
| ND<0.014 U (9/16/2024) | 0.224 (1/10/2024) | (0.014 - 0.224)/(47 - 45) | -0.105 |
| ND<0.0196 U (12/11/2024) | 0.224 (1/10/2024) | (0.0196 - 0.224)/(48 - 45) | -0.0681333 |
| 0.085 (2/18/2025) | 0.224 (1/10/2024) | (0.085 - 0.224)/(49 - 45) | -0.03475 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(47 - 46) | -0.016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/21/2024) | (0.0196 - 0.03)/(48 - 46) | -0.0052 |
| 0.085 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.085 - 0.03)/(49 - 46) | 0.0183333 |
| | | | |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(48 - 47) | 0.0056 |
| 0.085 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.085 - 0.014)/(49 - 47) | 0.0355 |
| | | | |
| 0.085 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.085 - 0.0196)/(49 - 48) | 0.0654 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.197 |
| 2 | -0.194 |
| 3 | -0.162 |
| 4 | -0.12 |
| 5 | -0.1155 |
| 6 | -0.114 |
| 7 | -0.105 |
| 8 | -0.1 |
| 9 | -0.099 |
| 10 | -0.0945 |
| 11 | -0.0925 |
| 12 | -0.091 |
| 13 | -0.0905 |
| 14 | -0.085 |
| 15 | -0.082 |
| 16 | -0.081 |

| | |
|---|---|
| 17 | -0.0726667 |
| 18 | -0.0683333 |
| 19 | -0.0681333 |
| 20 | -0.068 |
| 21 | -0.0613333 |
| 22 | -0.0553333 |
| 23 | -0.054 |
| 24 | -0.051 |
| 25 | -0.04985 |
| 26 | -0.048 |
| 27 | -0.047 |
| 28 | -0.0465 |
| 29 | -0.0446 |
| 30 | -0.042 |
| 31 | -0.041 |
| 32 | -0.04 |
| 33 | -0.04 |
| 34 | -0.038 |
| 35 | -0.038 |
| 36 | -0.03725 |
| 37 | -0.037 |
| 38 | -0.03475 |
| 39 | -0.034 |
| 40 | -0.033 |
| 41 | -0.032 |
| 42 | -0.031 |
| 43 | -0.03 |
| 44 | -0.0285 |
| 45 | -0.0285 |
| 46 | -0.0274 |
| 47 | -0.027 |
| 48 | -0.0268 |
| 49 | -0.0266667 |
| 50 | -0.0258571 |
| 51 | -0.025 |
| 52 | -0.0242 |
| 53 | -0.024 |
| 54 | -0.024 |
| 55 | -0.024 |
| 56 | -0.023 |
| 57 | -0.0225714 |
| 58 | -0.0222727 |
| 59 | -0.022 |
| 60 | -0.022 |
| 61 | -0.021 |
| 62 | -0.021 |
| 63 | -0.0206 |
| 64 | -0.0203333 |
| 65 | -0.02025 |
| 66 | -0.02 |
| 67 | -0.0197778 |
| 68 | -0.0193333 |
| 69 | -0.0192 |
| 70 | -0.0192 |
| 71 | -0.019 |
| 72 | -0.0184 |
| 73 | -0.0181111 |

| | |
|---|---|
| 74 | -0.0176667 |
| 75 | -0.01724 |
| 76 | -0.017 |
| 77 | -0.0167273 |
| 78 | -0.0162857 |
| 79 | -0.0162222 |
| 80 | -0.0162 |
| 81 | -0.016 |
| 82 | -0.016 |
| 83 | -0.016 |
| 84 | -0.0158889 |
| 85 | -0.01575 |
| 86 | -0.0155 |
| 87 | -0.015375 |
| 88 | -0.0153333 |
| 89 | -0.0153125 |
| 90 | -0.015 |
| 91 | -0.015 |
| 92 | -0.0146667 |
| 93 | -0.0146667 |
| 94 | -0.0145714 |
| 95 | -0.0145455 |
| 96 | -0.014375 |
| 97 | -0.0142 |
| 98 | -0.0141538 |
| 99 | -0.0137143 |
| 100 | -0.0137143 |
| 101 | -0.0136111 |
| 102 | -0.0135 |
| 103 | -0.0133333 |
| 104 | -0.01325 |
| 105 | -0.0131077 |
| 106 | -0.013 |
| 107 | -0.0129167 |
| 108 | -0.0128947 |
| 109 | -0.0127143 |
| 110 | -0.0126154 |
| 111 | -0.0124167 |
| 112 | -0.0123333 |
| 113 | -0.0123333 |
| 114 | -0.0121765 |
| 115 | -0.012 |
| 116 | -0.012 |
| 117 | -0.0119333 |
| 118 | -0.0119231 |
| 119 | -0.0116667 |
| 120 | -0.0116 |
| 121 | -0.0115 |
| 122 | -0.0115 |
| 123 | -0.0113333 |
| 124 | -0.01125 |
| 125 | -0.01105 |
| 126 | -0.011 |
| 127 | -0.011 |
| 128 | -0.0108636 |
| 129 | -0.01075 |
| 130 | -0.0106667 |

| | |
|---|---|
| 131 | -0.0106429 |
| 132 | -0.0106364 |
| 133 | -0.0105714 |
| 134 | -0.0105294 |
| 135 | -0.0105 |
| 136 | -0.0104545 |
| 137 | -0.0104348 |
| 138 | -0.0103333 |
| 139 | -0.0102 |
| 140 | -0.010125 |
| 141 | -0.0101111 |
| 142 | -0.01 |
| 143 | -0.00994444 |
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| 846 | 0.00221622 |
| 847 | 0.00223077 |
| 848 | 0.00226316 |
| 849 | 0.00235294 |
| 850 | 0.0024 |
| 851 | 0.00244444 |
| 852 | 0.00247059 |
| 853 | 0.00248485 |
| 854 | 0.0025 |
| 855 | 0.00253488 |
| 856 | 0.00258333 |
| 857 | 0.00259091 |
| 858 | 0.0026087 |
| 859 | 0.002625 |
| 860 | 0.00263636 |
| 861 | 0.00266667 |
| 862 | 0.00266667 |
| 863 | 0.00266667 |
| 864 | 0.00266667 |
| 865 | 0.00266667 |
| 866 | 0.00272727 |
| 867 | 0.00275 |
| 868 | 0.00276923 |
| 869 | 0.00279487 |
| 870 | 0.00283333 |
| 871 | 0.00284211 |

| | |
|---|---|
| 872 | 0.00285 |
| 873 | 0.0029 |
| 874 | 0.0029 |
| 875 | 0.00294444 |
| 876 | 0.003 |
| 877 | 0.003 |
| 878 | 0.003 |
| 879 | 0.003 |
| 880 | 0.003 |
| 881 | 0.003 |
| 882 | 0.00305556 |
| 883 | 0.00308333 |
| 884 | 0.00309524 |
| 885 | 0.00313333 |
| 886 | 0.00314286 |
| 887 | 0.00314286 |
| 888 | 0.00322222 |
| 889 | 0.00322222 |
| 890 | 0.00328571 |
| 891 | 0.00333333 |
| 892 | 0.003375 |
| 893 | 0.0034 |
| 894 | 0.00340741 |
| 895 | 0.0034375 |
| 896 | 0.00344444 |
| 897 | 0.00346429 |
| 898 | 0.0035 |
| 899 | 0.0035 |
| 900 | 0.00352381 |
| 901 | 0.00357895 |
| 902 | 0.00358333 |
| 903 | 0.00359091 |
| 904 | 0.00361538 |
| 905 | 0.003625 |
| 906 | 0.00366667 |
| 907 | 0.00366667 |
| 908 | 0.00369231 |
| 909 | 0.0037 |
| 910 | 0.0037 |
| 911 | 0.00371429 |
| 912 | 0.00374419 |
| 913 | 0.00375 |
| 914 | 0.00384848 |
| 915 | 0.00390476 |
| 916 | 0.00394444 |
| 917 | 0.00397143 |
| 918 | 0.004 |
| 919 | 0.004 |
| 920 | 0.00404878 |
| 921 | 0.00407143 |
| 922 | 0.00408333 |
| 923 | 0.00410345 |
| 924 | 0.00411111 |
| 925 | 0.00412 |
| 926 | 0.00415385 |
| 927 | 0.00417143 |
| 928 | 0.00419444 |

| | |
|---|---|
| 929 | 0.00421875 |
| 930 | 0.00424242 |
| 931 | 0.00425 |
| 932 | 0.00426667 |
| 933 | 0.00428125 |
| 934 | 0.00433333 |
| 935 | 0.00436364 |
| 936 | 0.00442857 |
| 937 | 0.0044375 |
| 938 | 0.00445455 |
| 939 | 0.00447826 |
| 940 | 0.00447826 |
| 941 | 0.00448276 |
| 942 | 0.0045 |
| 943 | 0.0045 |
| 944 | 0.0045 |
| 945 | 0.00457143 |
| 946 | 0.00457143 |
| 947 | 0.0046 |
| 948 | 0.0046 |
| 949 | 0.0046087 |
| 950 | 0.004625 |
| 951 | 0.00472973 |
| 952 | 0.00473684 |
| 953 | 0.00477419 |
| 954 | 0.00491304 |
| 955 | 0.00491667 |
| 956 | 0.005 |
| 957 | 0.005 |
| 958 | 0.00505 |
| 959 | 0.00505882 |
| 960 | 0.00505882 |
| 961 | 0.00506061 |
| 962 | 0.0051 |
| 963 | 0.00510256 |
| 964 | 0.00510526 |
| 965 | 0.00513333 |
| 966 | 0.00514286 |
| 967 | 0.00518519 |
| 968 | 0.00521429 |
| 969 | 0.00521875 |
| 970 | 0.00528571 |
| 971 | 0.00528571 |
| 972 | 0.00529412 |
| 973 | 0.00530769 |
| 974 | 0.00538462 |
| 975 | 0.0054 |
| 976 | 0.0054 |
| 977 | 0.0054 |
| 978 | 0.00546429 |
| 979 | 0.0055 |
| 980 | 0.00553125 |
| 981 | 0.00554545 |
| 982 | 0.00554839 |
| 983 | 0.0056 |
| 984 | 0.005625 |
| 985 | 0.00566667 |

| | |
|---|---|
| 986 | 0.00568966 |
| 987 | 0.00575 |
| 988 | 0.00575 |
| 989 | 0.0058 |
| 990 | 0.005875 |
| 991 | 0.00592308 |
| 992 | 0.006 |
| 993 | 0.006 |
| 994 | 0.006 |
| 995 | 0.006 |
| 996 | 0.006 |
| 997 | 0.006 |
| 998 | 0.00604 |
| 999 | 0.00609091 |
| 1000 | 0.00611111 |
| 1001 | 0.00627273 |
| 1002 | 0.0063125 |
| 1003 | 0.00633333 |
| 1004 | 0.0064 |
| 1005 | 0.0065 |
| 1006 | 0.0065 |
| 1007 | 0.0066 |
| 1008 | 0.00675 |
| 1009 | 0.00683333 |
| 1010 | 0.00685714 |
| 1011 | 0.006875 |
| 1012 | 0.007 |
| 1013 | 0.00705882 |
| 1014 | 0.00711111 |
| 1015 | 0.00725926 |
| 1016 | 0.00728571 |
| 1017 | 0.00734615 |
| 1018 | 0.007375 |
| 1019 | 0.0075 |
| 1020 | 0.00765385 |
| 1021 | 0.00766667 |
| 1022 | 0.00775 |
| 1023 | 0.00776 |
| 1024 | 0.00777778 |
| 1025 | 0.00783333 |
| 1026 | 0.008 |
| 1027 | 0.008 |
| 1028 | 0.008 |
| 1029 | 0.00805 |
| 1030 | 0.00815385 |
| 1031 | 0.0082 |
| 1032 | 0.0082 |
| 1033 | 0.00821053 |
| 1034 | 0.00822222 |
| 1035 | 0.0083 |
| 1036 | 0.0086 |
| 1037 | 0.00878947 |
| 1038 | 0.009 |
| 1039 | 0.0092 |
| 1040 | 0.00925 |
| 1041 | 0.00925 |
| 1042 | 0.00927273 |

| | |
|---|---|
| 1043 | 0.0094 |
| 1044 | 0.00947619 |
| 1045 | 0.00952941 |
| 1046 | 0.0097 |
| 1047 | 0.00975 |
| 1048 | 0.0098 |
| 1049 | 0.00983333 |
| 1050 | 0.00992308 |
| 1051 | 0.01 |
| 1052 | 0.0102941 |
| 1053 | 0.0103125 |
| 1054 | 0.0104286 |
| 1055 | 0.0104737 |
| 1056 | 0.0105714 |
| 1057 | 0.010625 |
| 1058 | 0.0107778 |
| 1059 | 0.0110556 |
| 1060 | 0.0114118 |
| 1061 | 0.0115455 |
| 1062 | 0.0116923 |
| 1063 | 0.0119286 |
| 1064 | 0.012 |
| 1065 | 0.012 |
| 1066 | 0.01225 |
| 1067 | 0.0123333 |
| 1068 | 0.0124375 |
| 1069 | 0.0125 |
| 1070 | 0.0125714 |
| 1071 | 0.0127 |
| 1072 | 0.0128667 |
| 1073 | 0.0129333 |
| 1074 | 0.013 |
| 1075 | 0.013 |
| 1076 | 0.0134286 |
| 1077 | 0.0138571 |
| 1078 | 0.0139167 |
| 1079 | 0.0143 |
| 1080 | 0.0145 |
| 1081 | 0.0145 |
| 1082 | 0.0145385 |
| 1083 | 0.015 |
| 1084 | 0.015 |
| 1085 | 0.015 |
| 1086 | 0.0151818 |
| 1087 | 0.0153333 |
| 1088 | 0.0156667 |
| 1089 | 0.0156667 |
| 1090 | 0.016 |
| 1091 | 0.0161667 |
| 1092 | 0.0164444 |
| 1093 | 0.0171818 |
| 1094 | 0.0176364 |
| 1095 | 0.017875 |
| 1096 | 0.0183333 |
| 1097 | 0.0183333 |
| 1098 | 0.0183333 |
| 1099 | 0.0184 |

| | |
|---|---|
| 1100 | 0.0185 |
| 1101 | 0.0185556 |
| 1102 | 0.0189 |
| 1103 | 0.019 |
| 1104 | 0.019 |
| 1105 | 0.019375 |
| 1106 | 0.0194286 |
| 1107 | 0.0194286 |
| 1108 | 0.0195 |
| 1109 | 0.02 |
| 1110 | 0.02 |
| 1111 | 0.020125 |
| 1112 | 0.0201429 |
| 1113 | 0.0205 |
| 1114 | 0.020625 |
| 1115 | 0.021 |
| 1116 | 0.02125 |
| 1117 | 0.0214 |
| 1118 | 0.0225 |
| 1119 | 0.0228571 |
| 1120 | 0.023 |
| 1121 | 0.0231429 |
| 1122 | 0.02325 |
| 1123 | 0.0234 |
| 1124 | 0.0235714 |
| 1125 | 0.024 |
| 1126 | 0.024 |
| 1127 | 0.024 |
| 1128 | 0.026 |
| 1129 | 0.0275 |
| 1130 | 0.0283333 |
| 1131 | 0.0285 |
| 1132 | 0.03 |
| 1133 | 0.03125 |
| 1134 | 0.0314 |
| 1135 | 0.0318 |
| 1136 | 0.032 |
| 1137 | 0.032 |
| 1138 | 0.0323333 |
| 1139 | 0.0324 |
| 1140 | 0.0333333 |
| 1141 | 0.0345 |
| 1142 | 0.03525 |
| 1143 | 0.0355 |
| 1144 | 0.0378 |
| 1145 | 0.038 |
| 1146 | 0.0388 |
| 1147 | 0.0393333 |
| 1148 | 0.04 |
| 1149 | 0.0405 |
| 1150 | 0.0405 |
| 1151 | 0.042 |
| 1152 | 0.0426667 |
| 1153 | 0.0434 |
| 1154 | 0.0465 |
| 1155 | 0.04725 |
| 1156 | 0.048 |

| | |
|---|---|
| 1157 | 0.0485 |
| 1158 | 0.0533333 |
| 1159 | 0.054 |
| 1160 | 0.058 |
| 1161 | 0.0603333 |
| 1162 | 0.063 |
| 1163 | 0.0654 |
| 1164 | 0.0735 |
| 1165 | 0.0785 |
| 1166 | 0.08 |
| 1167 | 0.088 |
| 1168 | 0.096 |
| 1169 | 0.12 |
| 1170 | 0.1225 |
| 1171 | 0.133 |
| 1172 | 0.138 |
| 1173 | 0.152 |
| 1174 | 0.157 |
| 1175 | 0.16 |
| 1176 | 0.226 |

Sen's Estimator (Median Q) is -0.000557609

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.11 | 2 |
| 2 | 0.063 | 2 |
| 3 | 0.025 | 6 |
| 4 | 0.121 | 2 |
| 5 | 0.03 | 7 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/29/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |

| | |
|---|---|
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 1362
B = 0
C = 330
D = 0
E = 78
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13383
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.285
M1 = (1176 - 190.285)/2.0 = 492.858
M2 = (1176 + 190.285)/2.0 + 1 = 684.142
Lower limit is -0.0013125 = Q(493)
Upper limit is 0 = Q(684)
-0.0013125 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SS 13
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.05 U (5/8/2013) | 0.032 (3/12/2013) | (0.05 - 0.032)/(2 - 1) | 0.018 |
| 0.028 (9/23/2013) | 0.032 (3/12/2013) | (0.028 - 0.032)/(3 - 1) | -0.002 |
| 0.077 (12/10/2013) | 0.032 (3/12/2013) | (0.077 - 0.032)/(4 - 1) | 0.015 |
| ND<0.025 U (2/6/2014) | 0.032 (3/12/2013) | (0.025 - 0.032)/(5 - 1) | -0.00175 |
| ND<0.025 U (6/26/2014) | 0.032 (3/12/2013) | (0.025 - 0.032)/(6 - 1) | -0.0014 |
| ND<0.025 U (9/30/2014) | 0.032 (3/12/2013) | (0.025 - 0.032)/(7 - 1) | -0.00116667 |
| 0.044 (11/19/2014) | 0.032 (3/12/2013) | (0.044 - 0.032)/(8 - 1) | 0.00171429 |
| 0.029 (3/23/2015) | 0.032 (3/12/2013) | (0.029 - 0.032)/(9 - 1) | -0.000375 |
| ND<0.025 U (4/22/2015) | 0.032 (3/12/2013) | (0.025 - 0.032)/(10 - 1) | -0.000777778 |
| ND<0.025 U (9/30/2015) | 0.032 (3/12/2013) | (0.025 - 0.032)/(11 - 1) | -0.0007 |
| ND<0.025 U (11/19/2015) | 0.032 (3/12/2013) | (0.025 - 0.032)/(12 - 1) | -0.000636364 |
| ND<0.025 U (3/15/2016) | 0.032 (3/12/2013) | (0.025 - 0.032)/(13 - 1) | -0.000583333 |
| ND<0.025 U (6/29/2016) | 0.032 (3/12/2013) | (0.025 - 0.032)/(14 - 1) | -0.000538462 |
| ND<0.025 U (8/9/2016) | 0.032 (3/12/2013) | (0.025 - 0.032)/(15 - 1) | -0.0005 |
| ND<0.025 U (12/7/2016) | 0.032 (3/12/2013) | (0.025 - 0.032)/(16 - 1) | -0.000466667 |
| ND<0.025 U (3/2/2017) | 0.032 (3/12/2013) | (0.025 - 0.032)/(17 - 1) | -0.0004375 |
| ND<0.025 U (6/21/2017) | 0.032 (3/12/2013) | (0.025 - 0.032)/(18 - 1) | -0.000411765 |
| ND<0.025 U (8/17/2017) | 0.032 (3/12/2013) | (0.025 - 0.032)/(19 - 1) | -0.000388889 |
| ND<0.025 U (10/26/2017) | 0.032 (3/12/2013) | (0.025 - 0.032)/(20 - 1) | -0.000368421 |
| ND<0.025 U (3/27/2018) | 0.032 (3/12/2013) | (0.025 - 0.032)/(21 - 1) | -0.00035 |
| ND<0.025 U (6/26/2018) | 0.032 (3/12/2013) | (0.025 - 0.032)/(22 - 1) | -0.000333333 |
| 0.206 (8/1/2018) | 0.032 (3/12/2013) | (0.206 - 0.032)/(23 - 1) | 0.00790909 |
| ND<0.025 U (12/11/2018) | 0.032 (3/12/2013) | (0.025 - 0.032)/(24 - 1) | -0.000304348 |
| ND<0.025 U (4/17/2019) | 0.032 (3/12/2013) | (0.025 - 0.032)/(25 - 1) | -0.000291667 |
| ND<0.025 U (6/11/2019) | 0.032 (3/12/2013) | (0.025 - 0.032)/(26 - 1) | -0.00028 |
| ND<0.025 U (8/28/2019) | 0.032 (3/12/2013) | (0.025 - 0.032)/(27 - 1) | -0.000269231 |
| 0.031 (10/28/2019) | 0.032 (3/12/2013) | (0.031 - 0.032)/(28 - 1) | -3.7037e-05 |
| 0.058 (3/31/2020) | 0.032 (3/12/2013) | (0.058 - 0.032)/(29 - 1) | 0.000928571 |
| ND<0.03 U (6/10/2020) | 0.032 (3/12/2013) | (0.03 - 0.032)/(30 - 1) | -6.89655e-05 |
| ND<0.03 U (9/21/2020) | 0.032 (3/12/2013) | (0.03 - 0.032)/(31 - 1) | -6.66667e-05 |
| ND<0.03 U (12/17/2020) | 0.032 (3/12/2013) | (0.03 - 0.032)/(32 - 1) | -6.45161e-05 |
| ND<0.03 U (3/18/2021) | 0.032 (3/12/2013) | (0.03 - 0.032)/(33 - 1) | -6.25e-05 |
| 0.096 (5/5/2021) | 0.032 (3/12/2013) | (0.096 - 0.032)/(34 - 1) | 0.00193939 |
| ND<0.03 U (9/2/2021) | 0.032 (3/12/2013) | (0.03 - 0.032)/(35 - 1) | -5.88235e-05 |
| ND<0.03 U (11/23/2021) | 0.032 (3/12/2013) | (0.03 - 0.032)/(36 - 1) | -5.71429e-05 |
| ND<0.03 U (1/10/2022) | 0.032 (3/12/2013) | (0.03 - 0.032)/(37 - 1) | -5.55556e-05 |
| ND<0.03 U (4/7/2022) | 0.032 (3/12/2013) | (0.03 - 0.032)/(38 - 1) | -5.40541e-05 |
| ND<0.03 U (8/3/2022) | 0.032 (3/12/2013) | (0.03 - 0.032)/(39 - 1) | -5.26316e-05 |
| ND<0.03 U (11/16/2022) | 0.032 (3/12/2013) | (0.03 - 0.032)/(40 - 1) | -5.12821e-05 |
| ND<0.03 U (2/13/2023) | 0.032 (3/12/2013) | (0.03 - 0.032)/(41 - 1) | -5e-05 |
| ND<0.014 U (5/24/2023) | 0.032 (3/12/2013) | (0.014 - 0.032)/(42 - 1) | -0.000439024 |
| ND<0.03 U (8/7/2023) | 0.032 (3/12/2013) | (0.03 - 0.032)/(43 - 1) | -4.7619e-05 |
| ND<0.014 U (12/12/2023) | 0.032 (3/12/2013) | (0.014 - 0.032)/(44 - 1) | -0.000418605 |
| 0.057 (1/10/2024) | 0.032 (3/12/2013) | (0.057 - 0.032)/(45 - 1) | 0.000568182 |
| 0.032 (5/20/2024) | 0.032 (3/12/2013) | (0.032 - 0.032)/(46 - 1) | 0 |
| ND<0.014 U (9/16/2024) | 0.032 (3/12/2013) | (0.014 - 0.032)/(47 - 1) | -0.000391304 |
| 0.084 (12/11/2024) | 0.032 (3/12/2013) | (0.084 - 0.032)/(48 - 1) | 0.00110638 |
| ND<0.0196 U (2/18/2025) | 0.032 (3/12/2013) | (0.0196 - 0.032)/(49 - 1) | -0.000258333 |

| | | | |
|---|---|---|---|
| 0.028 (9/23/2013) | ND<0.05 U (5/8/2013) | (0.028 - 0.05)/(3 - 2) | -0.022 |
| 0.077 (12/10/2013) | ND<0.05 U (5/8/2013) | (0.077 - 0.05)/(4 - 2) | 0.0135 |
| ND<0.025 U (2/6/2014) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(5 - 2) | -0.00833333 |
| ND<0.025 U (6/26/2014) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(6 - 2) | -0.00625 |
| ND<0.025 U (9/30/2014) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(7 - 2) | -0.005 |
| 0.044 (11/19/2014) | ND<0.05 U (5/8/2013) | (0.044 - 0.05)/(8 - 2) | -0.001 |
| 0.029 (3/23/2015) | ND<0.05 U (5/8/2013) | (0.029 - 0.05)/(9 - 2) | -0.003 |
| ND<0.025 U (4/22/2015) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(10 - 2) | -0.003125 |
| ND<0.025 U (9/30/2015) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(11 - 2) | -0.00277778 |
| ND<0.025 U (11/19/2015) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(12 - 2) | -0.0025 |
| ND<0.025 U (3/15/2016) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(13 - 2) | -0.00227273 |
| ND<0.025 U (6/29/2016) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(14 - 2) | -0.00208333 |
| ND<0.025 U (8/9/2016) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(15 - 2) | -0.00192308 |
| ND<0.025 U (12/7/2016) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(16 - 2) | -0.00178571 |
| ND<0.025 U (3/2/2017) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(17 - 2) | -0.00166667 |
| ND<0.025 U (6/21/2017) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(18 - 2) | -0.0015625 |
| ND<0.025 U (8/17/2017) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(19 - 2) | -0.00147059 |
| ND<0.025 U (10/26/2017) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(20 - 2) | -0.00138889 |
| ND<0.025 U (3/27/2018) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(21 - 2) | -0.00131579 |
| ND<0.025 U (6/26/2018) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(22 - 2) | -0.00125 |
| 0.206 (8/1/2018) | ND<0.05 U (5/8/2013) | (0.206 - 0.05)/(23 - 2) | 0.00742857 |
| ND<0.025 U (12/11/2018) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(24 - 2) | -0.00113636 |
| ND<0.025 U (4/17/2019) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(25 - 2) | -0.00108696 |
| ND<0.025 U (6/11/2019) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(26 - 2) | -0.00104167 |
| ND<0.025 U (8/28/2019) | ND<0.05 U (5/8/2013) | (0.025 - 0.05)/(27 - 2) | -0.001 |
| 0.031 (10/28/2019) | ND<0.05 U (5/8/2013) | (0.031 - 0.05)/(28 - 2) | -0.000730769 |
| 0.058 (3/31/2020) | ND<0.05 U (5/8/2013) | (0.058 - 0.05)/(29 - 2) | 0.000296296 |
| ND<0.03 U (6/10/2020) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(30 - 2) | -0.000714286 |
| ND<0.03 U (9/21/2020) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(31 - 2) | -0.000689655 |
| ND<0.03 U (12/17/2020) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(32 - 2) | -0.000666667 |
| ND<0.03 U (3/18/2021) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(33 - 2) | -0.000645161 |
| 0.096 (5/5/2021) | ND<0.05 U (5/8/2013) | (0.096 - 0.05)/(34 - 2) | 0.0014375 |
| ND<0.03 U (9/2/2021) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(35 - 2) | -0.000606061 |
| ND<0.03 U (11/23/2021) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(36 - 2) | -0.000588235 |
| ND<0.03 U (1/10/2022) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(37 - 2) | -0.000571429 |
| ND<0.03 U (4/7/2022) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(38 - 2) | -0.000555556 |
| ND<0.03 U (8/3/2022) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(39 - 2) | -0.000540541 |
| ND<0.03 U (11/16/2022) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(40 - 2) | -0.000526316 |
| ND<0.03 U (2/13/2023) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(41 - 2) | -0.000512821 |
| ND<0.014 U (5/24/2023) | ND<0.05 U (5/8/2013) | (0.014 - 0.05)/(42 - 2) | -0.0009 |
| ND<0.03 U (8/7/2023) | ND<0.05 U (5/8/2013) | (0.03 - 0.05)/(43 - 2) | -0.000487805 |
| ND<0.014 U (12/12/2023) | ND<0.05 U (5/8/2013) | (0.014 - 0.05)/(44 - 2) | -0.000857143 |
| 0.057 (1/10/2024) | ND<0.05 U (5/8/2013) | (0.057 - 0.05)/(45 - 2) | 0.000162791 |
| 0.032 (5/20/2024) | ND<0.05 U (5/8/2013) | (0.032 - 0.05)/(46 - 2) | -0.000409091 |
| ND<0.014 U (9/16/2024) | ND<0.05 U (5/8/2013) | (0.014 - 0.05)/(47 - 2) | -0.0008 |
| 0.084 (12/11/2024) | ND<0.05 U (5/8/2013) | (0.084 - 0.05)/(48 - 2) | 0.00073913 |
| ND<0.0196 U (2/18/2025) | ND<0.05 U (5/8/2013) | (0.0196 - 0.05)/(49 - 2) | -0.000646809 |

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|---|---|---|---|
| 0.077 (12/10/2013) | 0.028 (9/23/2013) | (0.077 - 0.028)/(4 - 3) | 0.049 |
| ND<0.025 U (2/6/2014) | 0.028 (9/23/2013) | (0.025 - 0.028)/(5 - 3) | -0.0015 |
| ND<0.025 U (6/26/2014) | 0.028 (9/23/2013) | (0.025 - 0.028)/(6 - 3) | -0.001 |
| ND<0.025 U (9/30/2014) | 0.028 (9/23/2013) | (0.025 - 0.028)/(7 - 3) | -0.00075 |
| 0.044 (11/19/2014) | 0.028 (9/23/2013) | (0.044 - 0.028)/(8 - 3) | 0.0032 |
| 0.029 (3/23/2015) | 0.028 (9/23/2013) | (0.029 - 0.028)/(9 - 3) | 0.000166667 |
| ND<0.025 U (4/22/2015) | 0.028 (9/23/2013) | (0.025 - 0.028)/(10 - 3) | -0.000428571 |
| ND<0.025 U (9/30/2015) | 0.028 (9/23/2013) | (0.025 - 0.028)/(11 - 3) | -0.000375 |

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|---|---|---|---|
| ND<0.025 U (11/19/2015) | 0.028 (9/23/2013) | (0.025 - 0.028)/(12 - 3) | -0.000333333 |
| ND<0.025 U (3/15/2016) | 0.028 (9/23/2013) | (0.025 - 0.028)/(13 - 3) | -0.0003 |
| ND<0.025 U (6/29/2016) | 0.028 (9/23/2013) | (0.025 - 0.028)/(14 - 3) | -0.000272727 |
| ND<0.025 U (8/9/2016) | 0.028 (9/23/2013) | (0.025 - 0.028)/(15 - 3) | -0.00025 |
| ND<0.025 U (12/7/2016) | 0.028 (9/23/2013) | (0.025 - 0.028)/(16 - 3) | -0.000230769 |
| ND<0.025 U (3/2/2017) | 0.028 (9/23/2013) | (0.025 - 0.028)/(17 - 3) | -0.000214286 |
| ND<0.025 U (6/21/2017) | 0.028 (9/23/2013) | (0.025 - 0.028)/(18 - 3) | -0.0002 |
| ND<0.025 U (8/17/2017) | 0.028 (9/23/2013) | (0.025 - 0.028)/(19 - 3) | -0.0001875 |
| ND<0.025 U (10/26/2017) | 0.028 (9/23/2013) | (0.025 - 0.028)/(20 - 3) | -0.000176471 |
| ND<0.025 U (3/27/2018) | 0.028 (9/23/2013) | (0.025 - 0.028)/(21 - 3) | -0.000166667 |
| ND<0.025 U (6/26/2018) | 0.028 (9/23/2013) | (0.025 - 0.028)/(22 - 3) | -0.000157895 |
| 0.206 (8/1/2018) | 0.028 (9/23/2013) | (0.206 - 0.028)/(23 - 3) | 0.0089 |
| ND<0.025 U (12/11/2018) | 0.028 (9/23/2013) | (0.025 - 0.028)/(24 - 3) | -0.000142857 |
| ND<0.025 U (4/17/2019) | 0.028 (9/23/2013) | (0.025 - 0.028)/(25 - 3) | -0.000136364 |
| ND<0.025 U (6/11/2019) | 0.028 (9/23/2013) | (0.025 - 0.028)/(26 - 3) | -0.000130435 |
| ND<0.025 U (8/28/2019) | 0.028 (9/23/2013) | (0.025 - 0.028)/(27 - 3) | -0.000125 |
| 0.031 (10/28/2019) | 0.028 (9/23/2013) | (0.031 - 0.028)/(28 - 3) | 0.00012 |
| 0.058 (3/31/2020) | 0.028 (9/23/2013) | (0.058 - 0.028)/(29 - 3) | 0.00115385 |
| ND<0.03 U (6/10/2020) | 0.028 (9/23/2013) | (0.03 - 0.028)/(30 - 3) | 7.40741e-05 |
| ND<0.03 U (9/21/2020) | 0.028 (9/23/2013) | (0.03 - 0.028)/(31 - 3) | 7.14286e-05 |
| ND<0.03 U (12/17/2020) | 0.028 (9/23/2013) | (0.03 - 0.028)/(32 - 3) | 6.89655e-05 |
| ND<0.03 U (3/18/2021) | 0.028 (9/23/2013) | (0.03 - 0.028)/(33 - 3) | 6.66667e-05 |
| 0.096 (5/5/2021) | 0.028 (9/23/2013) | (0.096 - 0.028)/(34 - 3) | 0.00219355 |
| ND<0.03 U (9/2/2021) | 0.028 (9/23/2013) | (0.03 - 0.028)/(35 - 3) | 6.25e-05 |
| ND<0.03 U (11/23/2021) | 0.028 (9/23/2013) | (0.03 - 0.028)/(36 - 3) | 6.06061e-05 |
| ND<0.03 U (1/10/2022) | 0.028 (9/23/2013) | (0.03 - 0.028)/(37 - 3) | 5.88235e-05 |
| ND<0.03 U (4/7/2022) | 0.028 (9/23/2013) | (0.03 - 0.028)/(38 - 3) | 5.71429e-05 |
| ND<0.03 U (8/3/2022) | 0.028 (9/23/2013) | (0.03 - 0.028)/(39 - 3) | 5.55556e-05 |
| ND<0.03 U (11/16/2022) | 0.028 (9/23/2013) | (0.03 - 0.028)/(40 - 3) | 5.40541e-05 |
| ND<0.03 U (2/13/2023) | 0.028 (9/23/2013) | (0.03 - 0.028)/(41 - 3) | 5.26316e-05 |
| ND<0.014 U (5/24/2023) | 0.028 (9/23/2013) | (0.014 - 0.028)/(42 - 3) | -0.000358974 |
| ND<0.03 U (8/7/2023) | 0.028 (9/23/2013) | (0.03 - 0.028)/(43 - 3) | 5e-05 |
| ND<0.014 U (12/12/2023) | 0.028 (9/23/2013) | (0.014 - 0.028)/(44 - 3) | -0.000341463 |
| 0.057 (1/10/2024) | 0.028 (9/23/2013) | (0.057 - 0.028)/(45 - 3) | 0.000690476 |
| 0.032 (5/20/2024) | 0.028 (9/23/2013) | (0.032 - 0.028)/(46 - 3) | 9.30233e-05 |
| ND<0.014 U (9/16/2024) | 0.028 (9/23/2013) | (0.014 - 0.028)/(47 - 3) | -0.000318182 |
| 0.084 (12/11/2024) | 0.028 (9/23/2013) | (0.084 - 0.028)/(48 - 3) | 0.00124444 |
| ND<0.0196 U (2/18/2025) | 0.028 (9/23/2013) | (0.0196 - 0.028)/(49 - 3) | -0.000182609 |
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| ND<0.025 U (2/6/2014) | 0.077 (12/10/2013) | (0.025 - 0.077)/(5 - 4) | -0.052 |
| ND<0.025 U (6/26/2014) | 0.077 (12/10/2013) | (0.025 - 0.077)/(6 - 4) | -0.026 |
| ND<0.025 U (9/30/2014) | 0.077 (12/10/2013) | (0.025 - 0.077)/(7 - 4) | -0.0173333 |
| 0.044 (11/19/2014) | 0.077 (12/10/2013) | (0.044 - 0.077)/(8 - 4) | -0.00825 |
| 0.029 (3/23/2015) | 0.077 (12/10/2013) | (0.029 - 0.077)/(9 - 4) | -0.0096 |
| ND<0.025 U (4/22/2015) | 0.077 (12/10/2013) | (0.025 - 0.077)/(10 - 4) | -0.00866667 |
| ND<0.025 U (9/30/2015) | 0.077 (12/10/2013) | (0.025 - 0.077)/(11 - 4) | -0.00742857 |
| ND<0.025 U (11/19/2015) | 0.077 (12/10/2013) | (0.025 - 0.077)/(12 - 4) | -0.0065 |
| ND<0.025 U (3/15/2016) | 0.077 (12/10/2013) | (0.025 - 0.077)/(13 - 4) | -0.00577778 |
| ND<0.025 U (6/29/2016) | 0.077 (12/10/2013) | (0.025 - 0.077)/(14 - 4) | -0.0052 |
| ND<0.025 U (8/9/2016) | 0.077 (12/10/2013) | (0.025 - 0.077)/(15 - 4) | -0.00472727 |
| ND<0.025 U (12/7/2016) | 0.077 (12/10/2013) | (0.025 - 0.077)/(16 - 4) | -0.00433333 |
| ND<0.025 U (3/2/2017) | 0.077 (12/10/2013) | (0.025 - 0.077)/(17 - 4) | -0.004 |
| ND<0.025 U (6/21/2017) | 0.077 (12/10/2013) | (0.025 - 0.077)/(18 - 4) | -0.00371429 |
| ND<0.025 U (8/17/2017) | 0.077 (12/10/2013) | (0.025 - 0.077)/(19 - 4) | -0.00346667 |
| ND<0.025 U (10/26/2017) | 0.077 (12/10/2013) | (0.025 - 0.077)/(20 - 4) | -0.00325 |
| ND<0.025 U (3/27/2018) | 0.077 (12/10/2013) | (0.025 - 0.077)/(21 - 4) | -0.00305882 |
| ND<0.025 U (6/26/2018) | 0.077 (12/10/2013) | (0.025 - 0.077)/(22 - 4) | -0.00288889 |

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|---|---|---|---|
| 0.206 (8/1/2018) | 0.077 (12/10/2013) | (0.206 - 0.077)/(23 - 4) | 0.00678947 |
| ND<0.025 U (12/11/2018) | 0.077 (12/10/2013) | (0.025 - 0.077)/(24 - 4) | -0.0026 |
| ND<0.025 U (4/17/2019) | 0.077 (12/10/2013) | (0.025 - 0.077)/(25 - 4) | -0.00247619 |
| ND<0.025 U (6/11/2019) | 0.077 (12/10/2013) | (0.025 - 0.077)/(26 - 4) | -0.00236364 |
| ND<0.025 U (8/28/2019) | 0.077 (12/10/2013) | (0.025 - 0.077)/(27 - 4) | -0.00226087 |
| 0.031 (10/28/2019) | 0.077 (12/10/2013) | (0.031 - 0.077)/(28 - 4) | -0.00191667 |
| 0.058 (3/31/2020) | 0.077 (12/10/2013) | (0.058 - 0.077)/(29 - 4) | -0.00076 |
| ND<0.03 U (6/10/2020) | 0.077 (12/10/2013) | (0.03 - 0.077)/(30 - 4) | -0.00180769 |
| ND<0.03 U (9/21/2020) | 0.077 (12/10/2013) | (0.03 - 0.077)/(31 - 4) | -0.00174074 |
| ND<0.03 U (12/17/2020) | 0.077 (12/10/2013) | (0.03 - 0.077)/(32 - 4) | -0.00167857 |
| ND<0.03 U (3/18/2021) | 0.077 (12/10/2013) | (0.03 - 0.077)/(33 - 4) | -0.00162069 |
| 0.096 (5/5/2021) | 0.077 (12/10/2013) | (0.096 - 0.077)/(34 - 4) | 0.000633333 |
| ND<0.03 U (9/2/2021) | 0.077 (12/10/2013) | (0.03 - 0.077)/(35 - 4) | -0.00151613 |
| ND<0.03 U (11/23/2021) | 0.077 (12/10/2013) | (0.03 - 0.077)/(36 - 4) | -0.00146875 |
| ND<0.03 U (1/10/2022) | 0.077 (12/10/2013) | (0.03 - 0.077)/(37 - 4) | -0.00142424 |
| ND<0.03 U (4/7/2022) | 0.077 (12/10/2013) | (0.03 - 0.077)/(38 - 4) | -0.00138235 |
| ND<0.03 U (8/3/2022) | 0.077 (12/10/2013) | (0.03 - 0.077)/(39 - 4) | -0.00134286 |
| ND<0.03 U (11/16/2022) | 0.077 (12/10/2013) | (0.03 - 0.077)/(40 - 4) | -0.00130556 |
| ND<0.03 U (2/13/2023) | 0.077 (12/10/2013) | (0.03 - 0.077)/(41 - 4) | -0.00127027 |
| ND<0.014 U (5/24/2023) | 0.077 (12/10/2013) | (0.014 - 0.077)/(42 - 4) | -0.00165789 |
| ND<0.03 U (8/7/2023) | 0.077 (12/10/2013) | (0.03 - 0.077)/(43 - 4) | -0.00120513 |
| ND<0.014 U (12/12/2023) | 0.077 (12/10/2013) | (0.014 - 0.077)/(44 - 4) | -0.001575 |
| 0.057 (1/10/2024) | 0.077 (12/10/2013) | (0.057 - 0.077)/(45 - 4) | -0.000487805 |
| 0.032 (5/20/2024) | 0.077 (12/10/2013) | (0.032 - 0.077)/(46 - 4) | -0.00107143 |
| ND<0.014 U (9/16/2024) | 0.077 (12/10/2013) | (0.014 - 0.077)/(47 - 4) | -0.00146512 |
| 0.084 (12/11/2024) | 0.077 (12/10/2013) | (0.084 - 0.077)/(48 - 4) | 0.000159091 |
| ND<0.0196 U (2/18/2025) | 0.077 (12/10/2013) | (0.0196 - 0.077)/(49 - 4) | -0.00127556 |

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|---|---|---|---|
| ND<0.025 U (6/26/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(6 - 5) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(7 - 5) | 0 |
| 0.044 (11/19/2014) | ND<0.025 U (2/6/2014) | (0.044 - 0.025)/(8 - 5) | 0.00633333 |
| 0.029 (3/23/2015) | ND<0.025 U (2/6/2014) | (0.029 - 0.025)/(9 - 5) | 0.001 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(10 - 5) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(11 - 5) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(12 - 5) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(13 - 5) | 0 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(14 - 5) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(15 - 5) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(16 - 5) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(17 - 5) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(18 - 5) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(19 - 5) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(20 - 5) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(21 - 5) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(22 - 5) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (2/6/2014) | (0.206 - 0.025)/(23 - 5) | 0.0100556 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(24 - 5) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(25 - 5) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(26 - 5) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(27 - 5) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (2/6/2014) | (0.031 - 0.025)/(28 - 5) | 0.00026087 |
| 0.058 (3/31/2020) | ND<0.025 U (2/6/2014) | (0.058 - 0.025)/(29 - 5) | 0.001375 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(30 - 5) | 0.0002 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(31 - 5) | 0.000192308 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(32 - 5) | 0.000185185 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(33 - 5) | 0.000178571 |
| 0.096 (5/5/2021) | ND<0.025 U (2/6/2014) | (0.096 - 0.025)/(34 - 5) | 0.00244828 |

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|---|---|---|---|
| ND<0.03 U (9/2/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(35 - 5) | 0.000166667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(36 - 5) | 0.00016129 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(37 - 5) | 0.00015625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(38 - 5) | 0.000151515 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(39 - 5) | 0.000147059 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(40 - 5) | 0.000142857 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(41 - 5) | 0.000138889 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(42 - 5) | -0.000297297 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(43 - 5) | 0.000131579 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(44 - 5) | -0.000282051 |
| 0.057 (1/10/2024) | ND<0.025 U (2/6/2014) | (0.057 - 0.025)/(45 - 5) | 0.0008 |
| 0.032 (5/20/2024) | ND<0.025 U (2/6/2014) | (0.032 - 0.025)/(46 - 5) | 0.000170732 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(47 - 5) | -0.000261905 |
| 0.084 (12/11/2024) | ND<0.025 U (2/6/2014) | (0.084 - 0.025)/(48 - 5) | 0.00137209 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (2/6/2014) | (0.0196 - 0.025)/(49 - 5) | -0.000122727 |
| | | | |
| ND<0.025 U (9/30/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(7 - 6) | 0 |
| 0.044 (11/19/2014) | ND<0.025 U (6/26/2014) | (0.044 - 0.025)/(8 - 6) | 0.0095 |
| 0.029 (3/23/2015) | ND<0.025 U (6/26/2014) | (0.029 - 0.025)/(9 - 6) | 0.00133333 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(10 - 6) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(11 - 6) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(12 - 6) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(13 - 6) | 0 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(14 - 6) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(15 - 6) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(16 - 6) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(17 - 6) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(18 - 6) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(19 - 6) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(20 - 6) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(21 - 6) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(22 - 6) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (6/26/2014) | (0.206 - 0.025)/(23 - 6) | 0.0106471 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(24 - 6) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(25 - 6) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (6/26/2014) | (0.031 - 0.025)/(28 - 6) | 0.000272727 |
| 0.058 (3/31/2020) | ND<0.025 U (6/26/2014) | (0.058 - 0.025)/(29 - 6) | 0.00143478 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(30 - 6) | 0.000208333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(32 - 6) | 0.000192308 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| 0.096 (5/5/2021) | ND<0.025 U (6/26/2014) | (0.096 - 0.025)/(34 - 6) | 0.00253571 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(35 - 6) | 0.000172414 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(36 - 6) | 0.000166667 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(37 - 6) | 0.00016129 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(38 - 6) | 0.00015625 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(41 - 6) | 0.000142857 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(42 - 6) | -0.000305556 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(43 - 6) | 0.000135135 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(44 - 6) | -0.000289474 |
| 0.057 (1/10/2024) | ND<0.025 U (6/26/2014) | (0.057 - 0.025)/(45 - 6) | 0.000820513 |
| 0.032 (5/20/2024) | ND<0.025 U (6/26/2014) | (0.032 - 0.025)/(46 - 6) | 0.000175 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(47 - 6) | -0.000268293 |

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|---|---|---|---|
| 0.084 (12/11/2024) | ND<0.025 U (6/26/2014) | (0.084 - 0.025)/(48 - 6) | 0.00140476 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/26/2014) | (0.0196 - 0.025)/(49 - 6) | -0.000125581 |
| | | | |
| 0.044 (11/19/2014) | ND<0.025 U (9/30/2014) | (0.044 - 0.025)/(8 - 7) | 0.019 |
| 0.029 (3/23/2015) | ND<0.025 U (9/30/2014) | (0.029 - 0.025)/(9 - 7) | 0.002 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(12 - 7) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(13 - 7) | 0 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(14 - 7) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(18 - 7) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(19 - 7) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(20 - 7) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (9/30/2014) | (0.206 - 0.025)/(23 - 7) | 0.0113125 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 7) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (9/30/2014) | (0.031 - 0.025)/(28 - 7) | 0.000285714 |
| 0.058 (3/31/2020) | ND<0.025 U (9/30/2014) | (0.058 - 0.025)/(29 - 7) | 0.0015 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 7) | 0.0002 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| 0.096 (5/5/2021) | ND<0.025 U (9/30/2014) | (0.096 - 0.025)/(34 - 7) | 0.00262963 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 7) | 0.000166667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(38 - 7) | 0.00016129 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 7) | 0.000151515 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(41 - 7) | 0.000147059 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(42 - 7) | -0.000314286 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(43 - 7) | 0.000138889 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(44 - 7) | -0.000297297 |
| 0.057 (1/10/2024) | ND<0.025 U (9/30/2014) | (0.057 - 0.025)/(45 - 7) | 0.000842105 |
| 0.032 (5/20/2024) | ND<0.025 U (9/30/2014) | (0.032 - 0.025)/(46 - 7) | 0.000179487 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(47 - 7) | -0.000275 |
| 0.084 (12/11/2024) | ND<0.025 U (9/30/2014) | (0.084 - 0.025)/(48 - 7) | 0.00143902 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (9/30/2014) | (0.0196 - 0.025)/(49 - 7) | -0.000128571 |
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| 0.029 (3/23/2015) | 0.044 (11/19/2014) | (0.029 - 0.044)/(9 - 8) | -0.015 |
| ND<0.025 U (4/22/2015) | 0.044 (11/19/2014) | (0.025 - 0.044)/(10 - 8) | -0.0095 |
| ND<0.025 U (9/30/2015) | 0.044 (11/19/2014) | (0.025 - 0.044)/(11 - 8) | -0.00633333 |
| ND<0.025 U (11/19/2015) | 0.044 (11/19/2014) | (0.025 - 0.044)/(12 - 8) | -0.00475 |
| ND<0.025 U (3/15/2016) | 0.044 (11/19/2014) | (0.025 - 0.044)/(13 - 8) | -0.0038 |
| ND<0.025 U (6/29/2016) | 0.044 (11/19/2014) | (0.025 - 0.044)/(14 - 8) | -0.00316667 |
| ND<0.025 U (8/9/2016) | 0.044 (11/19/2014) | (0.025 - 0.044)/(15 - 8) | -0.00271429 |
| ND<0.025 U (12/7/2016) | 0.044 (11/19/2014) | (0.025 - 0.044)/(16 - 8) | -0.002375 |
| ND<0.025 U (3/2/2017) | 0.044 (11/19/2014) | (0.025 - 0.044)/(17 - 8) | -0.00211111 |
| ND<0.025 U (6/21/2017) | 0.044 (11/19/2014) | (0.025 - 0.044)/(18 - 8) | -0.0019 |
| ND<0.025 U (8/17/2017) | 0.044 (11/19/2014) | (0.025 - 0.044)/(19 - 8) | -0.00172727 |

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|---|---|---|---|
| ND<0.025 U (10/26/2017) | 0.044 (11/19/2014) | (0.025 - 0.044)/(20 - 8) | -0.00158333 |
| ND<0.025 U (3/27/2018) | 0.044 (11/19/2014) | (0.025 - 0.044)/(21 - 8) | -0.00146154 |
| ND<0.025 U (6/26/2018) | 0.044 (11/19/2014) | (0.025 - 0.044)/(22 - 8) | -0.00135714 |
| 0.206 (8/1/2018) | 0.044 (11/19/2014) | (0.206 - 0.044)/(23 - 8) | 0.0108 |
| ND<0.025 U (12/11/2018) | 0.044 (11/19/2014) | (0.025 - 0.044)/(24 - 8) | -0.0011875 |
| ND<0.025 U (4/17/2019) | 0.044 (11/19/2014) | (0.025 - 0.044)/(25 - 8) | -0.00111765 |
| ND<0.025 U (6/11/2019) | 0.044 (11/19/2014) | (0.025 - 0.044)/(26 - 8) | -0.00105556 |
| ND<0.025 U (8/28/2019) | 0.044 (11/19/2014) | (0.025 - 0.044)/(27 - 8) | -0.001 |
| 0.031 (10/28/2019) | 0.044 (11/19/2014) | (0.031 - 0.044)/(28 - 8) | -0.00065 |
| 0.058 (3/31/2020) | 0.044 (11/19/2014) | (0.058 - 0.044)/(29 - 8) | 0.000666667 |
| ND<0.03 U (6/10/2020) | 0.044 (11/19/2014) | (0.03 - 0.044)/(30 - 8) | -0.000636364 |
| ND<0.03 U (9/21/2020) | 0.044 (11/19/2014) | (0.03 - 0.044)/(31 - 8) | -0.000608696 |
| ND<0.03 U (12/17/2020) | 0.044 (11/19/2014) | (0.03 - 0.044)/(32 - 8) | -0.000583333 |
| ND<0.03 U (3/18/2021) | 0.044 (11/19/2014) | (0.03 - 0.044)/(33 - 8) | -0.00056 |
| 0.096 (5/5/2021) | 0.044 (11/19/2014) | (0.096 - 0.044)/(34 - 8) | 0.002 |
| ND<0.03 U (9/2/2021) | 0.044 (11/19/2014) | (0.03 - 0.044)/(35 - 8) | -0.000518519 |
| ND<0.03 U (11/23/2021) | 0.044 (11/19/2014) | (0.03 - 0.044)/(36 - 8) | -0.0005 |
| ND<0.03 U (1/10/2022) | 0.044 (11/19/2014) | (0.03 - 0.044)/(37 - 8) | -0.000482759 |
| ND<0.03 U (4/7/2022) | 0.044 (11/19/2014) | (0.03 - 0.044)/(38 - 8) | -0.000466667 |
| ND<0.03 U (8/3/2022) | 0.044 (11/19/2014) | (0.03 - 0.044)/(39 - 8) | -0.000451613 |
| ND<0.03 U (11/16/2022) | 0.044 (11/19/2014) | (0.03 - 0.044)/(40 - 8) | -0.0004375 |
| ND<0.03 U (2/13/2023) | 0.044 (11/19/2014) | (0.03 - 0.044)/(41 - 8) | -0.000424242 |
| ND<0.014 U (5/24/2023) | 0.044 (11/19/2014) | (0.014 - 0.044)/(42 - 8) | -0.000882353 |
| ND<0.03 U (8/7/2023) | 0.044 (11/19/2014) | (0.03 - 0.044)/(43 - 8) | -0.0004 |
| ND<0.014 U (12/12/2023) | 0.044 (11/19/2014) | (0.014 - 0.044)/(44 - 8) | -0.000833333 |
| 0.057 (1/10/2024) | 0.044 (11/19/2014) | (0.057 - 0.044)/(45 - 8) | 0.000351351 |
| 0.032 (5/20/2024) | 0.044 (11/19/2014) | (0.032 - 0.044)/(46 - 8) | -0.000315789 |
| ND<0.014 U (9/16/2024) | 0.044 (11/19/2014) | (0.014 - 0.044)/(47 - 8) | -0.000769231 |
| 0.084 (12/11/2024) | 0.044 (11/19/2014) | (0.084 - 0.044)/(48 - 8) | 0.001 |
| ND<0.0196 U (2/18/2025) | 0.044 (11/19/2014) | (0.0196 - 0.044)/(49 - 8) | -0.000595122 |
| | | | |
| ND<0.025 U (4/22/2015) | 0.029 (3/23/2015) | (0.025 - 0.029)/(10 - 9) | -0.004 |
| ND<0.025 U (9/30/2015) | 0.029 (3/23/2015) | (0.025 - 0.029)/(11 - 9) | -0.002 |
| ND<0.025 U (11/19/2015) | 0.029 (3/23/2015) | (0.025 - 0.029)/(12 - 9) | -0.00133333 |
| ND<0.025 U (3/15/2016) | 0.029 (3/23/2015) | (0.025 - 0.029)/(13 - 9) | -0.001 |
| ND<0.025 U (6/29/2016) | 0.029 (3/23/2015) | (0.025 - 0.029)/(14 - 9) | -0.0008 |
| ND<0.025 U (8/9/2016) | 0.029 (3/23/2015) | (0.025 - 0.029)/(15 - 9) | -0.000666667 |
| ND<0.025 U (12/7/2016) | 0.029 (3/23/2015) | (0.025 - 0.029)/(16 - 9) | -0.000571429 |
| ND<0.025 U (3/2/2017) | 0.029 (3/23/2015) | (0.025 - 0.029)/(17 - 9) | -0.0005 |
| ND<0.025 U (6/21/2017) | 0.029 (3/23/2015) | (0.025 - 0.029)/(18 - 9) | -0.000444444 |
| ND<0.025 U (8/17/2017) | 0.029 (3/23/2015) | (0.025 - 0.029)/(19 - 9) | -0.0004 |
| ND<0.025 U (10/26/2017) | 0.029 (3/23/2015) | (0.025 - 0.029)/(20 - 9) | -0.000363636 |
| ND<0.025 U (3/27/2018) | 0.029 (3/23/2015) | (0.025 - 0.029)/(21 - 9) | -0.000333333 |
| ND<0.025 U (6/26/2018) | 0.029 (3/23/2015) | (0.025 - 0.029)/(22 - 9) | -0.000307692 |
| 0.206 (8/1/2018) | 0.029 (3/23/2015) | (0.206 - 0.029)/(23 - 9) | 0.0126429 |
| ND<0.025 U (12/11/2018) | 0.029 (3/23/2015) | (0.025 - 0.029)/(24 - 9) | -0.000266667 |
| ND<0.025 U (4/17/2019) | 0.029 (3/23/2015) | (0.025 - 0.029)/(25 - 9) | -0.00025 |
| ND<0.025 U (6/11/2019) | 0.029 (3/23/2015) | (0.025 - 0.029)/(26 - 9) | -0.000235294 |
| ND<0.025 U (8/28/2019) | 0.029 (3/23/2015) | (0.025 - 0.029)/(27 - 9) | -0.000222222 |
| 0.031 (10/28/2019) | 0.029 (3/23/2015) | (0.031 - 0.029)/(28 - 9) | 0.000105263 |
| 0.058 (3/31/2020) | 0.029 (3/23/2015) | (0.058 - 0.029)/(29 - 9) | 0.00145 |
| ND<0.03 U (6/10/2020) | 0.029 (3/23/2015) | (0.03 - 0.029)/(30 - 9) | 4.7619e-05 |
| ND<0.03 U (9/21/2020) | 0.029 (3/23/2015) | (0.03 - 0.029)/(31 - 9) | 4.54545e-05 |
| ND<0.03 U (12/17/2020) | 0.029 (3/23/2015) | (0.03 - 0.029)/(32 - 9) | 4.34783e-05 |
| ND<0.03 U (3/18/2021) | 0.029 (3/23/2015) | (0.03 - 0.029)/(33 - 9) | 4.16667e-05 |
| 0.096 (5/5/2021) | 0.029 (3/23/2015) | (0.096 - 0.029)/(34 - 9) | 0.00268 |
| ND<0.03 U (9/2/2021) | 0.029 (3/23/2015) | (0.03 - 0.029)/(35 - 9) | 3.84615e-05 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | 0.029 (3/23/2015) | (0.03 - 0.029)/(36 - 9) | 3.7037e-05 |
| ND<0.03 U (1/10/2022) | 0.029 (3/23/2015) | (0.03 - 0.029)/(37 - 9) | 3.57143e-05 |
| ND<0.03 U (4/7/2022) | 0.029 (3/23/2015) | (0.03 - 0.029)/(38 - 9) | 3.44828e-05 |
| ND<0.03 U (8/3/2022) | 0.029 (3/23/2015) | (0.03 - 0.029)/(39 - 9) | 3.33333e-05 |
| ND<0.03 U (11/16/2022) | 0.029 (3/23/2015) | (0.03 - 0.029)/(40 - 9) | 3.22581e-05 |
| ND<0.03 U (2/13/2023) | 0.029 (3/23/2015) | (0.03 - 0.029)/(41 - 9) | 3.125e-05 |
| ND<0.014 U (5/24/2023) | 0.029 (3/23/2015) | (0.014 - 0.029)/(42 - 9) | -0.000454545 |
| ND<0.03 U (8/7/2023) | 0.029 (3/23/2015) | (0.03 - 0.029)/(43 - 9) | 2.94118e-05 |
| ND<0.014 U (12/12/2023) | 0.029 (3/23/2015) | (0.014 - 0.029)/(44 - 9) | -0.000428571 |
| 0.057 (1/10/2024) | 0.029 (3/23/2015) | (0.057 - 0.029)/(45 - 9) | 0.000777778 |
| 0.032 (5/20/2024) | 0.029 (3/23/2015) | (0.032 - 0.029)/(46 - 9) | 8.10811e-05 |
| ND<0.014 U (9/16/2024) | 0.029 (3/23/2015) | (0.014 - 0.029)/(47 - 9) | -0.000394737 |
| 0.084 (12/11/2024) | 0.029 (3/23/2015) | (0.084 - 0.029)/(48 - 9) | 0.00141026 |
| ND<0.0196 U (2/18/2025) | 0.029 (3/23/2015) | (0.0196 - 0.029)/(49 - 9) | -0.000235 |
| | | | |
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(12 - 10) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(13 - 10) | 0 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(14 - 10) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(18 - 10) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(19 - 10) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(20 - 10) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (4/22/2015) | (0.206 - 0.025)/(23 - 10) | 0.0139231 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (4/22/2015) | (0.031 - 0.025)/(28 - 10) | 0.000333333 |
| 0.058 (3/31/2020) | ND<0.025 U (4/22/2015) | (0.058 - 0.025)/(29 - 10) | 0.00173684 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| 0.096 (5/5/2021) | ND<0.025 U (4/22/2015) | (0.096 - 0.025)/(34 - 10) | 0.00295833 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(38 - 10) | 0.000178571 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(41 - 10) | 0.00016129 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(42 - 10) | -0.00034375 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(43 - 10) | 0.000151515 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(44 - 10) | -0.000323529 |
| 0.057 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.057 - 0.025)/(45 - 10) | 0.000914286 |
| 0.032 (5/20/2024) | ND<0.025 U (4/22/2015) | (0.032 - 0.025)/(46 - 10) | 0.000194444 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(47 - 10) | -0.000297297 |
| 0.084 (12/11/2024) | ND<0.025 U (4/22/2015) | (0.084 - 0.025)/(48 - 10) | 0.00155263 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (4/22/2015) | (0.0196 - 0.025)/(49 - 10) | -0.000138462 |
| | | | |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(12 - 11) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(13 - 11) | 0 |

| | | | |
|---|---|---|---|
| ND<0.025 U (6/29/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(14 - 11) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(18 - 11) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(19 - 11) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(20 - 11) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (9/30/2015) | (0.206 - 0.025)/(23 - 11) | 0.0150833 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (9/30/2015) | (0.031 - 0.025)/(28 - 11) | 0.000352941 |
| 0.058 (3/31/2020) | ND<0.025 U (9/30/2015) | (0.058 - 0.025)/(29 - 11) | 0.00183333 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| 0.096 (5/5/2021) | ND<0.025 U (9/30/2015) | (0.096 - 0.025)/(34 - 11) | 0.00308696 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(38 - 11) | 0.000185185 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(41 - 11) | 0.000166667 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(42 - 11) | -0.000354839 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(43 - 11) | 0.00015625 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(44 - 11) | -0.000333333 |
| 0.057 (1/10/2024) | ND<0.025 U (9/30/2015) | (0.057 - 0.025)/(45 - 11) | 0.000941176 |
| 0.032 (5/20/2024) | ND<0.025 U (9/30/2015) | (0.032 - 0.025)/(46 - 11) | 0.0002 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(47 - 11) | -0.000305556 |
| 0.084 (12/11/2024) | ND<0.025 U (9/30/2015) | (0.084 - 0.025)/(48 - 11) | 0.00159459 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (9/30/2015) | (0.0196 - 0.025)/(49 - 11) | -0.000142105 |
| | | | |
| ND<0.025 U (3/15/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(13 - 12) | 0 |
| ND<0.025 U (6/29/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(14 - 12) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(15 - 12) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(16 - 12) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(17 - 12) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(18 - 12) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(19 - 12) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(20 - 12) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(21 - 12) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(22 - 12) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (11/19/2015) | (0.206 - 0.025)/(23 - 12) | 0.0164545 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(24 - 12) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(25 - 12) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(26 - 12) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(27 - 12) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (11/19/2015) | (0.031 - 0.025)/(28 - 12) | 0.000375 |
| 0.058 (3/31/2020) | ND<0.025 U (11/19/2015) | (0.058 - 0.025)/(29 - 12) | 0.00194118 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(30 - 12) | 0.000277778 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(31 - 12) | 0.000263158 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(32 - 12) | 0.00025 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(33 - 12) | 0.000238095 |
| 0.096 (5/5/2021) | ND<0.025 U (11/19/2015) | (0.096 - 0.025)/(34 - 12) | 0.00322727 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(35 - 12) | 0.000217391 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(36 - 12) | 0.000208333 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(37 - 12) | 0.0002 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(38 - 12) | 0.000192308 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(39 - 12) | 0.000185185 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(40 - 12) | 0.000178571 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(41 - 12) | 0.000172414 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(42 - 12) | -0.000366667 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(43 - 12) | 0.00016129 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(44 - 12) | -0.00034375 |
| 0.057 (1/10/2024) | ND<0.025 U (11/19/2015) | (0.057 - 0.025)/(45 - 12) | 0.000969697 |
| 0.032 (5/20/2024) | ND<0.025 U (11/19/2015) | (0.032 - 0.025)/(46 - 12) | 0.000205882 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(47 - 12) | -0.000314286 |
| 0.084 (12/11/2024) | ND<0.025 U (11/19/2015) | (0.084 - 0.025)/(48 - 12) | 0.00163889 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (11/19/2015) | (0.0196 - 0.025)/(49 - 12) | -0.000145946 |
| | | | |
| ND<0.025 U (6/29/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(14 - 13) | 0 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(15 - 13) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(16 - 13) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(17 - 13) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(18 - 13) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(19 - 13) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(20 - 13) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(21 - 13) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(22 - 13) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (3/15/2016) | (0.206 - 0.025)/(23 - 13) | 0.0181 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(24 - 13) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(25 - 13) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(26 - 13) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(27 - 13) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (3/15/2016) | (0.031 - 0.025)/(28 - 13) | 0.0004 |
| 0.058 (3/31/2020) | ND<0.025 U (3/15/2016) | (0.058 - 0.025)/(29 - 13) | 0.0020625 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(30 - 13) | 0.000294118 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(31 - 13) | 0.000277778 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(32 - 13) | 0.000263158 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(33 - 13) | 0.00025 |
| 0.096 (5/5/2021) | ND<0.025 U (3/15/2016) | (0.096 - 0.025)/(34 - 13) | 0.00338095 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(35 - 13) | 0.000227273 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(36 - 13) | 0.000217391 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(37 - 13) | 0.000208333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(38 - 13) | 0.0002 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(39 - 13) | 0.000192308 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(40 - 13) | 0.000185185 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(41 - 13) | 0.000178571 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(42 - 13) | -0.00037931 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(43 - 13) | 0.000166667 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(44 - 13) | -0.000354839 |
| 0.057 (1/10/2024) | ND<0.025 U (3/15/2016) | (0.057 - 0.025)/(45 - 13) | 0.001 |
| 0.032 (5/20/2024) | ND<0.025 U (3/15/2016) | (0.032 - 0.025)/(46 - 13) | 0.000212121 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(47 - 13) | -0.000323529 |
| 0.084 (12/11/2024) | ND<0.025 U (3/15/2016) | (0.084 - 0.025)/(48 - 13) | 0.00168571 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (3/15/2016) | (0.0196 - 0.025)/(49 - 13) | -0.00015 |
| | | | |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(15 - 14) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(16 - 14) | 0 |

| | | | |
|---|---|---|---|
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(17 - 14) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(18 - 14) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(19 - 14) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(20 - 14) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(21 - 14) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(22 - 14) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (6/29/2016) | (0.206 - 0.025)/(23 - 14) | 0.0201111 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(24 - 14) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(25 - 14) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(26 - 14) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/29/2016) | (0.025 - 0.025)/(27 - 14) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (6/29/2016) | (0.031 - 0.025)/(28 - 14) | 0.000428571 |
| 0.058 (3/31/2020) | ND<0.025 U (6/29/2016) | (0.058 - 0.025)/(29 - 14) | 0.0022 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(30 - 14) | 0.0003125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(31 - 14) | 0.000294118 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(32 - 14) | 0.000277778 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(33 - 14) | 0.000263158 |
| 0.096 (5/5/2021) | ND<0.025 U (6/29/2016) | (0.096 - 0.025)/(34 - 14) | 0.00355 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(35 - 14) | 0.000238095 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(36 - 14) | 0.000227273 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(37 - 14) | 0.000217391 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(38 - 14) | 0.000208333 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(39 - 14) | 0.0002 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(40 - 14) | 0.000192308 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(41 - 14) | 0.000185185 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/29/2016) | (0.014 - 0.025)/(42 - 14) | -0.000392857 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/29/2016) | (0.03 - 0.025)/(43 - 14) | 0.000172414 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/29/2016) | (0.014 - 0.025)/(44 - 14) | -0.000366667 |
| 0.057 (1/10/2024) | ND<0.025 U (6/29/2016) | (0.057 - 0.025)/(45 - 14) | 0.00103226 |
| 0.032 (5/20/2024) | ND<0.025 U (6/29/2016) | (0.032 - 0.025)/(46 - 14) | 0.00021875 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/29/2016) | (0.014 - 0.025)/(47 - 14) | -0.000333333 |
| 0.084 (12/11/2024) | ND<0.025 U (6/29/2016) | (0.084 - 0.025)/(48 - 14) | 0.00173529 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/29/2016) | (0.0196 - 0.025)/(49 - 14) | -0.000154286 |
| | | | |
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(18 - 15) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(19 - 15) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(20 - 15) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (8/9/2016) | (0.206 - 0.025)/(23 - 15) | 0.022625 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (8/9/2016) | (0.031 - 0.025)/(28 - 15) | 0.000461538 |
| 0.058 (3/31/2020) | ND<0.025 U (8/9/2016) | (0.058 - 0.025)/(29 - 15) | 0.00235714 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| 0.096 (5/5/2021) | ND<0.025 U (8/9/2016) | (0.096 - 0.025)/(34 - 15) | 0.00373684 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(38 - 15) | 0.000217391 |

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|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(41 - 15) | 0.000192308 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(42 - 15) | -0.000407407 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(43 - 15) | 0.000178571 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(44 - 15) | -0.00037931 |
| 0.057 (1/10/2024) | ND<0.025 U (8/9/2016) | (0.057 - 0.025)/(45 - 15) | 0.00106667 |
| 0.032 (5/20/2024) | ND<0.025 U (8/9/2016) | (0.032 - 0.025)/(46 - 15) | 0.000225806 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(47 - 15) | -0.00034375 |
| 0.084 (12/11/2024) | ND<0.025 U (8/9/2016) | (0.084 - 0.025)/(48 - 15) | 0.00178788 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (8/9/2016) | (0.0196 - 0.025)/(49 - 15) | -0.000158824 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| ND<0.025 U (6/21/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(18 - 16) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(19 - 16) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(20 - 16) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (12/7/2016) | (0.206 - 0.025)/(23 - 16) | 0.0258571 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (12/7/2016) | (0.031 - 0.025)/(28 - 16) | 0.0005 |
| 0.058 (3/31/2020) | ND<0.025 U (12/7/2016) | (0.058 - 0.025)/(29 - 16) | 0.00253846 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| 0.096 (5/5/2021) | ND<0.025 U (12/7/2016) | (0.096 - 0.025)/(34 - 16) | 0.00394444 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(38 - 16) | 0.000227273 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(41 - 16) | 0.0002 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(42 - 16) | -0.000423077 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(43 - 16) | 0.000185185 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(44 - 16) | -0.000392857 |
| 0.057 (1/10/2024) | ND<0.025 U (12/7/2016) | (0.057 - 0.025)/(45 - 16) | 0.00110345 |
| 0.032 (5/20/2024) | ND<0.025 U (12/7/2016) | (0.032 - 0.025)/(46 - 16) | 0.000233333 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(47 - 16) | -0.000354839 |
| 0.084 (12/11/2024) | ND<0.025 U (12/7/2016) | (0.084 - 0.025)/(48 - 16) | 0.00184375 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (12/7/2016) | (0.0196 - 0.025)/(49 - 16) | -0.000163636 |
| | | | |
| ND<0.025 U (6/21/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(18 - 17) | 0 |
| ND<0.025 U (8/17/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(19 - 17) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(20 - 17) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (3/2/2017) | (0.206 - 0.025)/(23 - 17) | 0.0301667 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (3/2/2017) | (0.031 - 0.025)/(28 - 17) | 0.000545455 |

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|---|---|---|---|
| 0.058 (3/31/2020) | ND<0.025 U (3/2/2017) | (0.058 - 0.025)/(29 - 17) | 0.00275 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| 0.096 (5/5/2021) | ND<0.025 U (3/2/2017) | (0.096 - 0.025)/(34 - 17) | 0.00417647 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(38 - 17) | 0.000238095 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(41 - 17) | 0.000208333 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(42 - 17) | -0.00044 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(43 - 17) | 0.000192308 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(44 - 17) | -0.000407407 |
| 0.057 (1/10/2024) | ND<0.025 U (3/2/2017) | (0.057 - 0.025)/(45 - 17) | 0.00114286 |
| 0.032 (5/20/2024) | ND<0.025 U (3/2/2017) | (0.032 - 0.025)/(46 - 17) | 0.000241379 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(47 - 17) | -0.000366667 |
| 0.084 (12/11/2024) | ND<0.025 U (3/2/2017) | (0.084 - 0.025)/(48 - 17) | 0.00190323 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (3/2/2017) | (0.0196 - 0.025)/(49 - 17) | -0.00016875 |
| | | | |
| ND<0.025 U (8/17/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(19 - 18) | 0 |
| ND<0.025 U (10/26/2017) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(20 - 18) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(21 - 18) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(22 - 18) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (6/21/2017) | (0.206 - 0.025)/(23 - 18) | 0.0362 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(24 - 18) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(25 - 18) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(26 - 18) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/21/2017) | (0.025 - 0.025)/(27 - 18) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (6/21/2017) | (0.031 - 0.025)/(28 - 18) | 0.0006 |
| 0.058 (3/31/2020) | ND<0.025 U (6/21/2017) | (0.058 - 0.025)/(29 - 18) | 0.003 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(31 - 18) | 0.000384615 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(32 - 18) | 0.000357143 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(33 - 18) | 0.000333333 |
| 0.096 (5/5/2021) | ND<0.025 U (6/21/2017) | (0.096 - 0.025)/(34 - 18) | 0.0044375 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(35 - 18) | 0.000294118 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(36 - 18) | 0.000277778 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(37 - 18) | 0.000263158 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(38 - 18) | 0.00025 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(39 - 18) | 0.000238095 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(40 - 18) | 0.000227273 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(41 - 18) | 0.000217391 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/21/2017) | (0.014 - 0.025)/(42 - 18) | -0.000458333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/21/2017) | (0.03 - 0.025)/(43 - 18) | 0.0002 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/21/2017) | (0.014 - 0.025)/(44 - 18) | -0.000423077 |
| 0.057 (1/10/2024) | ND<0.025 U (6/21/2017) | (0.057 - 0.025)/(45 - 18) | 0.00118519 |
| 0.032 (5/20/2024) | ND<0.025 U (6/21/2017) | (0.032 - 0.025)/(46 - 18) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/21/2017) | (0.014 - 0.025)/(47 - 18) | -0.00037931 |
| 0.084 (12/11/2024) | ND<0.025 U (6/21/2017) | (0.084 - 0.025)/(48 - 18) | 0.00196667 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/21/2017) | (0.0196 - 0.025)/(49 - 18) | -0.000174194 |
| | | | |
| ND<0.025 U (10/26/2017) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(20 - 19) | 0 |
| ND<0.025 U (3/27/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(21 - 19) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(22 - 19) | 0 |

| | | | |
|---|---|---|---|
| 0.206 (8/1/2018) | ND<0.025 U (8/17/2017) | (0.206 - 0.025)/(23 - 19) | 0.04525 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(25 - 19) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(26 - 19) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (8/17/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (8/17/2017) | (0.031 - 0.025)/(28 - 19) | 0.000666667 |
| 0.058 (3/31/2020) | ND<0.025 U (8/17/2017) | (0.058 - 0.025)/(29 - 19) | 0.0033 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(32 - 19) | 0.000384615 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| 0.096 (5/5/2021) | ND<0.025 U (8/17/2017) | (0.096 - 0.025)/(34 - 19) | 0.00473333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(35 - 19) | 0.0003125 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(36 - 19) | 0.000294118 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(37 - 19) | 0.000277778 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(38 - 19) | 0.000263158 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(41 - 19) | 0.000227273 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/17/2017) | (0.014 - 0.025)/(42 - 19) | -0.000478261 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/17/2017) | (0.03 - 0.025)/(43 - 19) | 0.000208333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/17/2017) | (0.014 - 0.025)/(44 - 19) | -0.00044 |
| 0.057 (1/10/2024) | ND<0.025 U (8/17/2017) | (0.057 - 0.025)/(45 - 19) | 0.00123077 |
| 0.032 (5/20/2024) | ND<0.025 U (8/17/2017) | (0.032 - 0.025)/(46 - 19) | 0.000259259 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/17/2017) | (0.014 - 0.025)/(47 - 19) | -0.000392857 |
| 0.084 (12/11/2024) | ND<0.025 U (8/17/2017) | (0.084 - 0.025)/(48 - 19) | 0.00203448 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (8/17/2017) | (0.0196 - 0.025)/(49 - 19) | -0.00018 |
| | | | |
| ND<0.025 U (3/27/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(21 - 20) | 0 |
| ND<0.025 U (6/26/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(22 - 20) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (10/26/2017) | (0.206 - 0.025)/(23 - 20) | 0.0603333 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(24 - 20) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(25 - 20) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(26 - 20) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (10/26/2017) | (0.025 - 0.025)/(27 - 20) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (10/26/2017) | (0.031 - 0.025)/(28 - 20) | 0.00075 |
| 0.058 (3/31/2020) | ND<0.025 U (10/26/2017) | (0.058 - 0.025)/(29 - 20) | 0.00366667 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(31 - 20) | 0.000454545 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(32 - 20) | 0.000416667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(33 - 20) | 0.000384615 |
| 0.096 (5/5/2021) | ND<0.025 U (10/26/2017) | (0.096 - 0.025)/(34 - 20) | 0.00507143 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(35 - 20) | 0.000333333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(36 - 20) | 0.0003125 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(37 - 20) | 0.000294118 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(38 - 20) | 0.000277778 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(39 - 20) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(40 - 20) | 0.00025 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(41 - 20) | 0.000238095 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (10/26/2017) | (0.014 - 0.025)/(42 - 20) | -0.0005 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/26/2017) | (0.03 - 0.025)/(43 - 20) | 0.000217391 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/26/2017) | (0.014 - 0.025)/(44 - 20) | -0.000458333 |
| 0.057 (1/10/2024) | ND<0.025 U (10/26/2017) | (0.057 - 0.025)/(45 - 20) | 0.00128 |
| 0.032 (5/20/2024) | ND<0.025 U (10/26/2017) | (0.032 - 0.025)/(46 - 20) | 0.000269231 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/26/2017) | (0.014 - 0.025)/(47 - 20) | -0.000407407 |
| 0.084 (12/11/2024) | ND<0.025 U (10/26/2017) | (0.084 - 0.025)/(48 - 20) | 0.00210714 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (10/26/2017) | (0.0196 - 0.025)/(49 - 20) | -0.000186207 |

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|---|---|---|---|
| ND<0.025 U (6/26/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| 0.206 (8/1/2018) | ND<0.025 U (3/27/2018) | (0.206 - 0.025)/(23 - 21) | 0.0905 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (3/27/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (3/27/2018) | (0.031 - 0.025)/(28 - 21) | 0.000857143 |
| 0.058 (3/31/2020) | ND<0.025 U (3/27/2018) | (0.058 - 0.025)/(29 - 21) | 0.004125 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| 0.096 (5/5/2021) | ND<0.025 U (3/27/2018) | (0.096 - 0.025)/(34 - 21) | 0.00546154 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(38 - 21) | 0.000294118 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(41 - 21) | 0.00025 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (3/27/2018) | (0.014 - 0.025)/(42 - 21) | -0.00052381 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/27/2018) | (0.03 - 0.025)/(43 - 21) | 0.000227273 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/27/2018) | (0.014 - 0.025)/(44 - 21) | -0.000478261 |
| 0.057 (1/10/2024) | ND<0.025 U (3/27/2018) | (0.057 - 0.025)/(45 - 21) | 0.00133333 |
| 0.032 (5/20/2024) | ND<0.025 U (3/27/2018) | (0.032 - 0.025)/(46 - 21) | 0.00028 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/27/2018) | (0.014 - 0.025)/(47 - 21) | -0.000423077 |
| 0.084 (12/11/2024) | ND<0.025 U (3/27/2018) | (0.084 - 0.025)/(48 - 21) | 0.00218519 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (3/27/2018) | (0.0196 - 0.025)/(49 - 21) | -0.000192857 |
| | | | |
| 0.206 (8/1/2018) | ND<0.025 U (6/26/2018) | (0.206 - 0.025)/(23 - 22) | 0.181 |
| ND<0.025 U (12/11/2018) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/17/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/26/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (6/26/2018) | (0.031 - 0.025)/(28 - 22) | 0.001 |
| 0.058 (3/31/2020) | ND<0.025 U (6/26/2018) | (0.058 - 0.025)/(29 - 22) | 0.00471429 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| 0.096 (5/5/2021) | ND<0.025 U (6/26/2018) | (0.096 - 0.025)/(34 - 22) | 0.00591667 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(38 - 22) | 0.0003125 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(41 - 22) | 0.000263158 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/26/2018) | (0.014 - 0.025)/(42 - 22) | -0.00055 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2018) | (0.03 - 0.025)/(43 - 22) | 0.000238095 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2018) | (0.014 - 0.025)/(44 - 22) | -0.0005 |
| 0.057 (1/10/2024) | ND<0.025 U (6/26/2018) | (0.057 - 0.025)/(45 - 22) | 0.0013913 |
| 0.032 (5/20/2024) | ND<0.025 U (6/26/2018) | (0.032 - 0.025)/(46 - 22) | 0.000291667 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/26/2018) | (0.014 - 0.025)/(47 - 22) | -0.00044 |
| 0.084 (12/11/2024) | ND<0.025 U (6/26/2018) | (0.084 - 0.025)/(48 - 22) | 0.00226923 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/26/2018) | (0.0196 - 0.025)/(49 - 22) | -0.0002 |

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|---|---|---|---|
| ND<0.025 U (12/11/2018) | 0.206 (8/1/2018) | (0.025 - 0.206)/(24 - 23) | -0.181 |
| ND<0.025 U (4/17/2019) | 0.206 (8/1/2018) | (0.025 - 0.206)/(25 - 23) | -0.0905 |
| ND<0.025 U (6/11/2019) | 0.206 (8/1/2018) | (0.025 - 0.206)/(26 - 23) | -0.0603333 |
| ND<0.025 U (8/28/2019) | 0.206 (8/1/2018) | (0.025 - 0.206)/(27 - 23) | -0.04525 |
| 0.031 (10/28/2019) | 0.206 (8/1/2018) | (0.031 - 0.206)/(28 - 23) | -0.035 |
| 0.058 (3/31/2020) | 0.206 (8/1/2018) | (0.058 - 0.206)/(29 - 23) | -0.0246667 |
| ND<0.03 U (6/10/2020) | 0.206 (8/1/2018) | (0.03 - 0.206)/(30 - 23) | -0.0251429 |
| ND<0.03 U (9/21/2020) | 0.206 (8/1/2018) | (0.03 - 0.206)/(31 - 23) | -0.022 |
| ND<0.03 U (12/17/2020) | 0.206 (8/1/2018) | (0.03 - 0.206)/(32 - 23) | -0.0195556 |
| ND<0.03 U (3/18/2021) | 0.206 (8/1/2018) | (0.03 - 0.206)/(33 - 23) | -0.0176 |
| 0.096 (5/5/2021) | 0.206 (8/1/2018) | (0.096 - 0.206)/(34 - 23) | -0.01 |
| ND<0.03 U (9/2/2021) | 0.206 (8/1/2018) | (0.03 - 0.206)/(35 - 23) | -0.0146667 |
| ND<0.03 U (11/23/2021) | 0.206 (8/1/2018) | (0.03 - 0.206)/(36 - 23) | -0.0135385 |
| ND<0.03 U (1/10/2022) | 0.206 (8/1/2018) | (0.03 - 0.206)/(37 - 23) | -0.0125714 |
| ND<0.03 U (4/7/2022) | 0.206 (8/1/2018) | (0.03 - 0.206)/(38 - 23) | -0.0117333 |
| ND<0.03 U (8/3/2022) | 0.206 (8/1/2018) | (0.03 - 0.206)/(39 - 23) | -0.011 |
| ND<0.03 U (11/16/2022) | 0.206 (8/1/2018) | (0.03 - 0.206)/(40 - 23) | -0.0103529 |
| ND<0.03 U (2/13/2023) | 0.206 (8/1/2018) | (0.03 - 0.206)/(41 - 23) | -0.00977778 |
| ND<0.014 U (5/24/2023) | 0.206 (8/1/2018) | (0.014 - 0.206)/(42 - 23) | -0.0101053 |
| ND<0.03 U (8/7/2023) | 0.206 (8/1/2018) | (0.03 - 0.206)/(43 - 23) | -0.0088 |
| ND<0.014 U (12/12/2023) | 0.206 (8/1/2018) | (0.014 - 0.206)/(44 - 23) | -0.00914286 |
| 0.057 (1/10/2024) | 0.206 (8/1/2018) | (0.057 - 0.206)/(45 - 23) | -0.00677273 |
| 0.032 (5/20/2024) | 0.206 (8/1/2018) | (0.032 - 0.206)/(46 - 23) | -0.00756522 |
| ND<0.014 U (9/16/2024) | 0.206 (8/1/2018) | (0.014 - 0.206)/(47 - 23) | -0.008 |
| 0.084 (12/11/2024) | 0.206 (8/1/2018) | (0.084 - 0.206)/(48 - 23) | -0.00488 |
| ND<0.0196 U (2/18/2025) | 0.206 (8/1/2018) | (0.0196 - 0.206)/(49 - 23) | -0.00716923 |

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|---|---|---|---|
| ND<0.025 U (4/17/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| ND<0.025 U (6/11/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (12/11/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (12/11/2018) | (0.031 - 0.025)/(28 - 24) | 0.0015 |
| 0.058 (3/31/2020) | ND<0.025 U (12/11/2018) | (0.058 - 0.025)/(29 - 24) | 0.0066 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(32 - 24) | 0.000625 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| 0.096 (5/5/2021) | ND<0.025 U (12/11/2018) | (0.096 - 0.025)/(34 - 24) | 0.0071 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(37 - 24) | 0.000384615 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(38 - 24) | 0.000357143 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(41 - 24) | 0.000294118 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (12/11/2018) | (0.014 - 0.025)/(42 - 24) | -0.000611111 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/11/2018) | (0.03 - 0.025)/(43 - 24) | 0.000263158 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/11/2018) | (0.014 - 0.025)/(44 - 24) | -0.00055 |
| 0.057 (1/10/2024) | ND<0.025 U (12/11/2018) | (0.057 - 0.025)/(45 - 24) | 0.00152381 |
| 0.032 (5/20/2024) | ND<0.025 U (12/11/2018) | (0.032 - 0.025)/(46 - 24) | 0.000318182 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/11/2018) | (0.014 - 0.025)/(47 - 24) | -0.000478261 |
| 0.084 (12/11/2024) | ND<0.025 U (12/11/2018) | (0.084 - 0.025)/(48 - 24) | 0.00245833 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (12/11/2018) | (0.0196 - 0.025)/(49 - 24) | -0.000216 |

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|---|---|---|---|
| ND<0.025 U (6/11/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/17/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (4/17/2019) | (0.031 - 0.025)/(28 - 25) | 0.002 |

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|---|---|---|---|
| 0.058 (3/31/2020) | ND<0.025 U (4/17/2019) | (0.058 - 0.025)/(29 - 25) | 0.00825 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| 0.096 (5/5/2021) | ND<0.025 U (4/17/2019) | (0.096 - 0.025)/(34 - 25) | 0.00788889 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(38 - 25) | 0.000384615 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(41 - 25) | 0.0003125 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (4/17/2019) | (0.014 - 0.025)/(42 - 25) | -0.000647059 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/17/2019) | (0.03 - 0.025)/(43 - 25) | 0.000277778 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/17/2019) | (0.014 - 0.025)/(44 - 25) | -0.000578947 |
| 0.057 (1/10/2024) | ND<0.025 U (4/17/2019) | (0.057 - 0.025)/(45 - 25) | 0.0016 |
| 0.032 (5/20/2024) | ND<0.025 U (4/17/2019) | (0.032 - 0.025)/(46 - 25) | 0.000333333 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/17/2019) | (0.014 - 0.025)/(47 - 25) | -0.0005 |
| 0.084 (12/11/2024) | ND<0.025 U (4/17/2019) | (0.084 - 0.025)/(48 - 25) | 0.00256522 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (4/17/2019) | (0.0196 - 0.025)/(49 - 25) | -0.000225 |
| | | | |
| ND<0.025 U (8/28/2019) | ND<0.025 U (6/11/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| 0.031 (10/28/2019) | ND<0.025 U (6/11/2019) | (0.031 - 0.025)/(28 - 26) | 0.003 |
| 0.058 (3/31/2020) | ND<0.025 U (6/11/2019) | (0.058 - 0.025)/(29 - 26) | 0.011 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(32 - 26) | 0.000833333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| 0.096 (5/5/2021) | ND<0.025 U (6/11/2019) | (0.096 - 0.025)/(34 - 26) | 0.008875 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(35 - 26) | 0.000555556 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(37 - 26) | 0.000454545 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(38 - 26) | 0.000416667 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(41 - 26) | 0.000333333 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (6/11/2019) | (0.014 - 0.025)/(42 - 26) | -0.0006875 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/11/2019) | (0.03 - 0.025)/(43 - 26) | 0.000294118 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/11/2019) | (0.014 - 0.025)/(44 - 26) | -0.000611111 |
| 0.057 (1/10/2024) | ND<0.025 U (6/11/2019) | (0.057 - 0.025)/(45 - 26) | 0.00168421 |
| 0.032 (5/20/2024) | ND<0.025 U (6/11/2019) | (0.032 - 0.025)/(46 - 26) | 0.00035 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/11/2019) | (0.014 - 0.025)/(47 - 26) | -0.00052381 |
| 0.084 (12/11/2024) | ND<0.025 U (6/11/2019) | (0.084 - 0.025)/(48 - 26) | 0.00268182 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (6/11/2019) | (0.0196 - 0.025)/(49 - 26) | -0.000234783 |
| | | | |
| 0.031 (10/28/2019) | ND<0.025 U (8/28/2019) | (0.031 - 0.025)/(28 - 27) | 0.006 |
| 0.058 (3/31/2020) | ND<0.025 U (8/28/2019) | (0.058 - 0.025)/(29 - 27) | 0.0165 |
| ND<0.03 U (6/10/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| 0.096 (5/5/2021) | ND<0.025 U (8/28/2019) | (0.096 - 0.025)/(34 - 27) | 0.0101429 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (1/10/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(38 - 27) | 0.000454545 |

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|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| ND<0.03 U (2/13/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(41 - 27) | 0.000357143 |
| ND<0.014 U (5/24/2023) | ND<0.025 U (8/28/2019) | (0.014 - 0.025)/(42 - 27) | -0.000733333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(43 - 27) | 0.0003125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/28/2019) | (0.014 - 0.025)/(44 - 27) | -0.000647059 |
| 0.057 (1/10/2024) | ND<0.025 U (8/28/2019) | (0.057 - 0.025)/(45 - 27) | 0.00177778 |
| 0.032 (5/20/2024) | ND<0.025 U (8/28/2019) | (0.032 - 0.025)/(46 - 27) | 0.000368421 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/28/2019) | (0.014 - 0.025)/(47 - 27) | -0.00055 |
| 0.084 (12/11/2024) | ND<0.025 U (8/28/2019) | (0.084 - 0.025)/(48 - 27) | 0.00280952 |
| ND<0.0196 U (2/18/2025) | ND<0.025 U (8/28/2019) | (0.0196 - 0.025)/(49 - 27) | -0.000245455 |
| | | | |
| 0.058 (3/31/2020) | 0.031 (10/28/2019) | (0.058 - 0.031)/(29 - 28) | 0.027 |
| ND<0.03 U (6/10/2020) | 0.031 (10/28/2019) | (0.03 - 0.031)/(30 - 28) | -0.0005 |
| ND<0.03 U (9/21/2020) | 0.031 (10/28/2019) | (0.03 - 0.031)/(31 - 28) | -0.000333333 |
| ND<0.03 U (12/17/2020) | 0.031 (10/28/2019) | (0.03 - 0.031)/(32 - 28) | -0.00025 |
| ND<0.03 U (3/18/2021) | 0.031 (10/28/2019) | (0.03 - 0.031)/(33 - 28) | -0.0002 |
| 0.096 (5/5/2021) | 0.031 (10/28/2019) | (0.096 - 0.031)/(34 - 28) | 0.0108333 |
| ND<0.03 U (9/2/2021) | 0.031 (10/28/2019) | (0.03 - 0.031)/(35 - 28) | -0.000142857 |
| ND<0.03 U (11/23/2021) | 0.031 (10/28/2019) | (0.03 - 0.031)/(36 - 28) | -0.000125 |
| ND<0.03 U (1/10/2022) | 0.031 (10/28/2019) | (0.03 - 0.031)/(37 - 28) | -0.000111111 |
| ND<0.03 U (4/7/2022) | 0.031 (10/28/2019) | (0.03 - 0.031)/(38 - 28) | -0.0001 |
| ND<0.03 U (8/3/2022) | 0.031 (10/28/2019) | (0.03 - 0.031)/(39 - 28) | -9.09091e-05 |
| ND<0.03 U (11/16/2022) | 0.031 (10/28/2019) | (0.03 - 0.031)/(40 - 28) | -8.33333e-05 |
| ND<0.03 U (2/13/2023) | 0.031 (10/28/2019) | (0.03 - 0.031)/(41 - 28) | -7.69231e-05 |
| ND<0.014 U (5/24/2023) | 0.031 (10/28/2019) | (0.014 - 0.031)/(42 - 28) | -0.00121429 |
| ND<0.03 U (8/7/2023) | 0.031 (10/28/2019) | (0.03 - 0.031)/(43 - 28) | -6.66667e-05 |
| ND<0.014 U (12/12/2023) | 0.031 (10/28/2019) | (0.014 - 0.031)/(44 - 28) | -0.0010625 |
| 0.057 (1/10/2024) | 0.031 (10/28/2019) | (0.057 - 0.031)/(45 - 28) | 0.00152941 |
| 0.032 (5/20/2024) | 0.031 (10/28/2019) | (0.032 - 0.031)/(46 - 28) | 5.55556e-05 |
| ND<0.014 U (9/16/2024) | 0.031 (10/28/2019) | (0.014 - 0.031)/(47 - 28) | -0.000894737 |
| 0.084 (12/11/2024) | 0.031 (10/28/2019) | (0.084 - 0.031)/(48 - 28) | 0.00265 |
| ND<0.0196 U (2/18/2025) | 0.031 (10/28/2019) | (0.0196 - 0.031)/(49 - 28) | -0.000542857 |
| | | | |
| ND<0.03 U (6/10/2020) | 0.058 (3/31/2020) | (0.03 - 0.058)/(30 - 29) | -0.028 |
| ND<0.03 U (9/21/2020) | 0.058 (3/31/2020) | (0.03 - 0.058)/(31 - 29) | -0.014 |
| ND<0.03 U (12/17/2020) | 0.058 (3/31/2020) | (0.03 - 0.058)/(32 - 29) | -0.00933333 |
| ND<0.03 U (3/18/2021) | 0.058 (3/31/2020) | (0.03 - 0.058)/(33 - 29) | -0.007 |
| 0.096 (5/5/2021) | 0.058 (3/31/2020) | (0.096 - 0.058)/(34 - 29) | 0.0076 |
| ND<0.03 U (9/2/2021) | 0.058 (3/31/2020) | (0.03 - 0.058)/(35 - 29) | -0.00466667 |
| ND<0.03 U (11/23/2021) | 0.058 (3/31/2020) | (0.03 - 0.058)/(36 - 29) | -0.004 |
| ND<0.03 U (1/10/2022) | 0.058 (3/31/2020) | (0.03 - 0.058)/(37 - 29) | -0.0035 |
| ND<0.03 U (4/7/2022) | 0.058 (3/31/2020) | (0.03 - 0.058)/(38 - 29) | -0.00311111 |
| ND<0.03 U (8/3/2022) | 0.058 (3/31/2020) | (0.03 - 0.058)/(39 - 29) | -0.0028 |
| ND<0.03 U (11/16/2022) | 0.058 (3/31/2020) | (0.03 - 0.058)/(40 - 29) | -0.00254545 |
| ND<0.03 U (2/13/2023) | 0.058 (3/31/2020) | (0.03 - 0.058)/(41 - 29) | -0.00233333 |
| ND<0.014 U (5/24/2023) | 0.058 (3/31/2020) | (0.014 - 0.058)/(42 - 29) | -0.00338462 |
| ND<0.03 U (8/7/2023) | 0.058 (3/31/2020) | (0.03 - 0.058)/(43 - 29) | -0.002 |
| ND<0.014 U (12/12/2023) | 0.058 (3/31/2020) | (0.014 - 0.058)/(44 - 29) | -0.00293333 |
| 0.057 (1/10/2024) | 0.058 (3/31/2020) | (0.057 - 0.058)/(45 - 29) | -6.25e-05 |
| 0.032 (5/20/2024) | 0.058 (3/31/2020) | (0.032 - 0.058)/(46 - 29) | -0.00152941 |
| ND<0.014 U (9/16/2024) | 0.058 (3/31/2020) | (0.014 - 0.058)/(47 - 29) | -0.00244444 |
| 0.084 (12/11/2024) | 0.058 (3/31/2020) | (0.084 - 0.058)/(48 - 29) | 0.00136842 |
| ND<0.0196 U (2/18/2025) | 0.058 (3/31/2020) | (0.0196 - 0.058)/(49 - 29) | -0.00192 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(32 - 30) | 0 |

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|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| 0.096 (5/5/2021) | ND<0.03 U (6/10/2020) | (0.096 - 0.03)/(34 - 30) | 0.0165 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(38 - 30) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(41 - 30) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(42 - 30) | -0.00133333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/10/2020) | (0.03 - 0.03)/(43 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| 0.057 (1/10/2024) | ND<0.03 U (6/10/2020) | (0.057 - 0.03)/(45 - 30) | 0.0018 |
| 0.032 (5/20/2024) | ND<0.03 U (6/10/2020) | (0.032 - 0.03)/(46 - 30) | 0.000125 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (6/10/2020) | (0.014 - 0.03)/(47 - 30) | -0.000941176 |
| 0.084 (12/11/2024) | ND<0.03 U (6/10/2020) | (0.084 - 0.03)/(48 - 30) | 0.003 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (6/10/2020) | (0.0196 - 0.03)/(49 - 30) | -0.000547368 |
| | | | |
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| 0.096 (5/5/2021) | ND<0.03 U (9/21/2020) | (0.096 - 0.03)/(34 - 31) | 0.022 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(38 - 31) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(41 - 31) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(42 - 31) | -0.00145455 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(43 - 31) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(44 - 31) | -0.00123077 |
| 0.057 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.057 - 0.03)/(45 - 31) | 0.00192857 |
| 0.032 (5/20/2024) | ND<0.03 U (9/21/2020) | (0.032 - 0.03)/(46 - 31) | 0.000133333 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(47 - 31) | -0.001 |
| 0.084 (12/11/2024) | ND<0.03 U (9/21/2020) | (0.084 - 0.03)/(48 - 31) | 0.00317647 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (9/21/2020) | (0.0196 - 0.03)/(49 - 31) | -0.000577778 |
| | | | |
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| 0.096 (5/5/2021) | ND<0.03 U (12/17/2020) | (0.096 - 0.03)/(34 - 32) | 0.033 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(35 - 32) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(37 - 32) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(38 - 32) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(41 - 32) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(42 - 32) | -0.0016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(43 - 32) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(44 - 32) | -0.00133333 |
| 0.057 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.057 - 0.03)/(45 - 32) | 0.00207692 |
| 0.032 (5/20/2024) | ND<0.03 U (12/17/2020) | (0.032 - 0.03)/(46 - 32) | 0.000142857 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(47 - 32) | -0.00106667 |
| 0.084 (12/11/2024) | ND<0.03 U (12/17/2020) | (0.084 - 0.03)/(48 - 32) | 0.003375 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(49 - 32) | -0.000611765 |
| | | | |
| 0.096 (5/5/2021) | ND<0.03 U (3/18/2021) | (0.096 - 0.03)/(34 - 33) | 0.066 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(35 - 33) | 0 |

| | | | |
|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(37 - 33) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(38 - 33) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(41 - 33) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(42 - 33) | -0.00177778 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(43 - 33) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(44 - 33) | -0.00145455 |
| 0.057 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.057 - 0.03)/(45 - 33) | 0.00225 |
| 0.032 (5/20/2024) | ND<0.03 U (3/18/2021) | (0.032 - 0.03)/(46 - 33) | 0.000153846 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(47 - 33) | -0.00114286 |
| 0.084 (12/11/2024) | ND<0.03 U (3/18/2021) | (0.084 - 0.03)/(48 - 33) | 0.0036 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(49 - 33) | -0.00065 |
| | | | |
| ND<0.03 U (9/2/2021) | 0.096 (5/5/2021) | (0.03 - 0.096)/(35 - 34) | -0.066 |
| ND<0.03 U (11/23/2021) | 0.096 (5/5/2021) | (0.03 - 0.096)/(36 - 34) | -0.033 |
| ND<0.03 U (1/10/2022) | 0.096 (5/5/2021) | (0.03 - 0.096)/(37 - 34) | -0.022 |
| ND<0.03 U (4/7/2022) | 0.096 (5/5/2021) | (0.03 - 0.096)/(38 - 34) | -0.0165 |
| ND<0.03 U (8/3/2022) | 0.096 (5/5/2021) | (0.03 - 0.096)/(39 - 34) | -0.0132 |
| ND<0.03 U (11/16/2022) | 0.096 (5/5/2021) | (0.03 - 0.096)/(40 - 34) | -0.011 |
| ND<0.03 U (2/13/2023) | 0.096 (5/5/2021) | (0.03 - 0.096)/(41 - 34) | -0.00942857 |
| ND<0.014 U (5/24/2023) | 0.096 (5/5/2021) | (0.014 - 0.096)/(42 - 34) | -0.01025 |
| ND<0.03 U (8/7/2023) | 0.096 (5/5/2021) | (0.03 - 0.096)/(43 - 34) | -0.00733333 |
| ND<0.014 U (12/12/2023) | 0.096 (5/5/2021) | (0.014 - 0.096)/(44 - 34) | -0.0082 |
| 0.057 (1/10/2024) | 0.096 (5/5/2021) | (0.057 - 0.096)/(45 - 34) | -0.00354545 |
| 0.032 (5/20/2024) | 0.096 (5/5/2021) | (0.032 - 0.096)/(46 - 34) | -0.00533333 |
| ND<0.014 U (9/16/2024) | 0.096 (5/5/2021) | (0.014 - 0.096)/(47 - 34) | -0.00630769 |
| 0.084 (12/11/2024) | 0.096 (5/5/2021) | (0.084 - 0.096)/(48 - 34) | -0.000857143 |
| ND<0.0196 U (2/18/2025) | 0.096 (5/5/2021) | (0.0196 - 0.096)/(49 - 34) | -0.00509333 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(36 - 35) | 0 |
| ND<0.03 U (1/10/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(37 - 35) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(38 - 35) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(40 - 35) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(41 - 35) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(42 - 35) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(43 - 35) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(44 - 35) | -0.00177778 |
| 0.057 (1/10/2024) | ND<0.03 U (9/2/2021) | (0.057 - 0.03)/(45 - 35) | 0.0027 |
| 0.032 (5/20/2024) | ND<0.03 U (9/2/2021) | (0.032 - 0.03)/(46 - 35) | 0.000181818 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(47 - 35) | -0.00133333 |
| 0.084 (12/11/2024) | ND<0.03 U (9/2/2021) | (0.084 - 0.03)/(48 - 35) | 0.00415385 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (9/2/2021) | (0.0196 - 0.03)/(49 - 35) | -0.000742857 |
| | | | |
| ND<0.03 U (1/10/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(37 - 36) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(38 - 36) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(41 - 36) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(42 - 36) | -0.00266667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(43 - 36) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(44 - 36) | -0.002 |
| 0.057 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.057 - 0.03)/(45 - 36) | 0.003 |
| 0.032 (5/20/2024) | ND<0.03 U (11/23/2021) | (0.032 - 0.03)/(46 - 36) | 0.0002 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(47 - 36) | -0.00145455 |

| | | | |
|---|---|---|---|
| 0.084 (12/11/2024) | ND<0.03 U (11/23/2021) | (0.084 - 0.03)/(48 - 36) | 0.0045 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(49 - 36) | -0.0008 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(38 - 37) | 0 |
| ND<0.03 U (8/3/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(40 - 37) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(41 - 37) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (1/10/2022) | (0.014 - 0.03)/(42 - 37) | -0.0032 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/10/2022) | (0.03 - 0.03)/(43 - 37) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/10/2022) | (0.014 - 0.03)/(44 - 37) | -0.00228571 |
| 0.057 (1/10/2024) | ND<0.03 U (1/10/2022) | (0.057 - 0.03)/(45 - 37) | 0.003375 |
| 0.032 (5/20/2024) | ND<0.03 U (1/10/2022) | (0.032 - 0.03)/(46 - 37) | 0.000222222 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/10/2022) | (0.014 - 0.03)/(47 - 37) | -0.0016 |
| 0.084 (12/11/2024) | ND<0.03 U (1/10/2022) | (0.084 - 0.03)/(48 - 37) | 0.00490909 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (1/10/2022) | (0.0196 - 0.03)/(49 - 37) | -0.000866667 |
| | | | |
| ND<0.03 U (8/3/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 38) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(40 - 38) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(41 - 38) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(42 - 38) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(43 - 38) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(44 - 38) | -0.00266667 |
| 0.057 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.057 - 0.03)/(45 - 38) | 0.00385714 |
| 0.032 (5/20/2024) | ND<0.03 U (4/7/2022) | (0.032 - 0.03)/(46 - 38) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(47 - 38) | -0.00177778 |
| 0.084 (12/11/2024) | ND<0.03 U (4/7/2022) | (0.084 - 0.03)/(48 - 38) | 0.0054 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(49 - 38) | -0.000945455 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(41 - 39) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(42 - 39) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(43 - 39) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(44 - 39) | -0.0032 |
| 0.057 (1/10/2024) | ND<0.03 U (8/3/2022) | (0.057 - 0.03)/(45 - 39) | 0.0045 |
| 0.032 (5/20/2024) | ND<0.03 U (8/3/2022) | (0.032 - 0.03)/(46 - 39) | 0.000285714 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(47 - 39) | -0.002 |
| 0.084 (12/11/2024) | ND<0.03 U (8/3/2022) | (0.084 - 0.03)/(48 - 39) | 0.006 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (8/3/2022) | (0.0196 - 0.03)/(49 - 39) | -0.00104 |
| | | | |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(41 - 40) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(42 - 40) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(43 - 40) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(44 - 40) | -0.004 |
| 0.057 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.057 - 0.03)/(45 - 40) | 0.0054 |
| 0.032 (5/20/2024) | ND<0.03 U (11/16/2022) | (0.032 - 0.03)/(46 - 40) | 0.000333333 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(47 - 40) | -0.00228571 |
| 0.084 (12/11/2024) | ND<0.03 U (11/16/2022) | (0.084 - 0.03)/(48 - 40) | 0.00675 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(49 - 40) | -0.00115556 |
| | | | |
| ND<0.014 U (5/24/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(42 - 41) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/13/2023) | (0.03 - 0.03)/(43 - 41) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(44 - 41) | -0.00533333 |
| 0.057 (1/10/2024) | ND<0.03 U (2/13/2023) | (0.057 - 0.03)/(45 - 41) | 0.00675 |
| 0.032 (5/20/2024) | ND<0.03 U (2/13/2023) | (0.032 - 0.03)/(46 - 41) | 0.0004 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(47 - 41) | -0.00266667 |
| 0.084 (12/11/2024) | ND<0.03 U (2/13/2023) | (0.084 - 0.03)/(48 - 41) | 0.00771429 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (2/13/2023) | (0.0196 - 0.03)/(49 - 41) | -0.0013 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/24/2023) | (0.03 - 0.014)/(43 - 42) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/24/2023) | (0.014 - 0.014)/(44 - 42) | 0 |
| 0.057 (1/10/2024) | ND<0.014 U (5/24/2023) | (0.057 - 0.014)/(45 - 42) | 0.0143333 |
| 0.032 (5/20/2024) | ND<0.014 U (5/24/2023) | (0.032 - 0.014)/(46 - 42) | 0.0045 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/24/2023) | (0.014 - 0.014)/(47 - 42) | 0 |
| 0.084 (12/11/2024) | ND<0.014 U (5/24/2023) | (0.084 - 0.014)/(48 - 42) | 0.0116667 |
| ND<0.0196 U (2/18/2025) | ND<0.014 U (5/24/2023) | (0.0196 - 0.014)/(49 - 42) | 0.0008 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(44 - 43) | -0.016 |
| 0.057 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.057 - 0.03)/(45 - 43) | 0.0135 |
| 0.032 (5/20/2024) | ND<0.03 U (8/7/2023) | (0.032 - 0.03)/(46 - 43) | 0.000666667 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(47 - 43) | -0.004 |
| 0.084 (12/11/2024) | ND<0.03 U (8/7/2023) | (0.084 - 0.03)/(48 - 43) | 0.0108 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(49 - 43) | -0.00173333 |
| | | | |
| 0.057 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.057 - 0.014)/(45 - 44) | 0.043 |
| 0.032 (5/20/2024) | ND<0.014 U (12/12/2023) | (0.032 - 0.014)/(46 - 44) | 0.009 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(47 - 44) | 0 |
| 0.084 (12/11/2024) | ND<0.014 U (12/12/2023) | (0.084 - 0.014)/(48 - 44) | 0.0175 |
| ND<0.0196 U (2/18/2025) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(49 - 44) | 0.00112 |
| | | | |
| 0.032 (5/20/2024) | 0.057 (1/10/2024) | (0.032 - 0.057)/(46 - 45) | -0.025 |
| ND<0.014 U (9/16/2024) | 0.057 (1/10/2024) | (0.014 - 0.057)/(47 - 45) | -0.0215 |
| 0.084 (12/11/2024) | 0.057 (1/10/2024) | (0.084 - 0.057)/(48 - 45) | 0.009 |
| ND<0.0196 U (2/18/2025) | 0.057 (1/10/2024) | (0.0196 - 0.057)/(49 - 45) | -0.00935 |
| | | | |
| ND<0.014 U (9/16/2024) | 0.032 (5/20/2024) | (0.014 - 0.032)/(47 - 46) | -0.018 |
| 0.084 (12/11/2024) | 0.032 (5/20/2024) | (0.084 - 0.032)/(48 - 46) | 0.026 |
| ND<0.0196 U (2/18/2025) | 0.032 (5/20/2024) | (0.0196 - 0.032)/(49 - 46) | -0.00413333 |
| | | | |
| 0.084 (12/11/2024) | ND<0.014 U (9/16/2024) | (0.084 - 0.014)/(48 - 47) | 0.07 |
| ND<0.0196 U (2/18/2025) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(49 - 47) | 0.0028 |
| | | | |
| ND<0.0196 U (2/18/2025) | 0.084 (12/11/2024) | (0.0196 - 0.084)/(49 - 48) | -0.0644 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.181 |
| 2 | -0.0905 |
| 3 | -0.066 |
| 4 | -0.0644 |
| 5 | -0.0603333 |
| 6 | -0.052 |
| 7 | -0.04525 |
| 8 | -0.035 |
| 9 | -0.033 |
| 10 | -0.028 |
| 11 | -0.026 |
| 12 | -0.0251429 |
| 13 | -0.025 |
| 14 | -0.0246667 |
| 15 | -0.022 |
| 16 | -0.022 |

| | |
|---|---|
| 17 | -0.022 |
| 18 | -0.0215 |
| 19 | -0.0195556 |
| 20 | -0.018 |
| 21 | -0.0176 |
| 22 | -0.0173333 |
| 23 | -0.0165 |
| 24 | -0.016 |
| 25 | -0.016 |
| 26 | -0.015 |
| 27 | -0.0146667 |
| 28 | -0.014 |
| 29 | -0.0135385 |
| 30 | -0.0132 |
| 31 | -0.0125714 |
| 32 | -0.0117333 |
| 33 | -0.011 |
| 34 | -0.011 |
| 35 | -0.0103529 |
| 36 | -0.01025 |
| 37 | -0.0101053 |
| 38 | -0.01 |
| 39 | -0.00977778 |
| 40 | -0.0096 |
| 41 | -0.0095 |
| 42 | -0.00942857 |
| 43 | -0.00935 |
| 44 | -0.00933333 |
| 45 | -0.00914286 |
| 46 | -0.0088 |
| 47 | -0.00866667 |
| 48 | -0.00833333 |
| 49 | -0.00825 |
| 50 | -0.0082 |
| 51 | -0.008 |
| 52 | -0.008 |
| 53 | -0.00756522 |
| 54 | -0.00742857 |
| 55 | -0.00733333 |
| 56 | -0.00716923 |
| 57 | -0.007 |
| 58 | -0.00677273 |
| 59 | -0.0065 |
| 60 | -0.00633333 |
| 61 | -0.00630769 |
| 62 | -0.00625 |
| 63 | -0.00577778 |
| 64 | -0.00533333 |
| 65 | -0.00533333 |
| 66 | -0.00533333 |
| 67 | -0.0052 |
| 68 | -0.00509333 |
| 69 | -0.005 |
| 70 | -0.00488 |
| 71 | -0.00475 |
| 72 | -0.00472727 |
| 73 | -0.00466667 |

| | |
|---|---|
| 74 | -0.00433333 |
| 75 | -0.00413333 |
| 76 | -0.004 |
| 77 | -0.004 |
| 78 | -0.004 |
| 79 | -0.004 |
| 80 | -0.004 |
| 81 | -0.004 |
| 82 | -0.0038 |
| 83 | -0.00371429 |
| 84 | -0.00354545 |
| 85 | -0.0035 |
| 86 | -0.00346667 |
| 87 | -0.00338462 |
| 88 | -0.00325 |
| 89 | -0.0032 |
| 90 | -0.0032 |
| 91 | -0.00316667 |
| 92 | -0.003125 |
| 93 | -0.00311111 |
| 94 | -0.00305882 |
| 95 | -0.003 |
| 96 | -0.00293333 |
| 97 | -0.00288889 |
| 98 | -0.0028 |
| 99 | -0.00277778 |
| 100 | -0.00271429 |
| 101 | -0.00266667 |
| 102 | -0.00266667 |
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| 877 | 0.000294118 |
| 878 | 0.000294118 |
| 879 | 0.000294118 |
| 880 | 0.000294118 |
| 881 | 0.000294118 |
| 882 | 0.000294118 |
| 883 | 0.000294118 |
| 884 | 0.000294118 |
| 885 | 0.000294118 |
| 886 | 0.000294118 |
| 887 | 0.000294118 |
| 888 | 0.000296296 |
| 889 | 0.0003125 |
| 890 | 0.0003125 |
| 891 | 0.0003125 |
| 892 | 0.0003125 |
| 893 | 0.0003125 |
| 894 | 0.0003125 |
| 895 | 0.0003125 |
| 896 | 0.0003125 |
| 897 | 0.0003125 |
| 898 | 0.0003125 |
| 899 | 0.0003125 |
| 900 | 0.000318182 |
| 901 | 0.000333333 |
| 902 | 0.000333333 |
| 903 | 0.000333333 |
| 904 | 0.000333333 |
| 905 | 0.000333333 |
| 906 | 0.000333333 |
| 907 | 0.000333333 |
| 908 | 0.000333333 |
| 909 | 0.000333333 |
| 910 | 0.000333333 |
| 911 | 0.000333333 |
| 912 | 0.000333333 |
| 913 | 0.000333333 |
| 914 | 0.00035 |
| 915 | 0.000351351 |
| 916 | 0.000352941 |
| 917 | 0.000357143 |
| 918 | 0.000357143 |
| 919 | 0.000357143 |
| 920 | 0.000357143 |
| 921 | 0.000357143 |
| 922 | 0.000357143 |
| 923 | 0.000357143 |
| 924 | 0.000357143 |
| 925 | 0.000357143 |
| 926 | 0.000357143 |
| 927 | 0.000368421 |
| 928 | 0.000375 |

| | |
|---|---|
| 929 | 0.000384615 |
| 930 | 0.000384615 |
| 931 | 0.000384615 |
| 932 | 0.000384615 |
| 933 | 0.000384615 |
| 934 | 0.000384615 |
| 935 | 0.000384615 |
| 936 | 0.000384615 |
| 937 | 0.000384615 |
| 938 | 0.0004 |
| 939 | 0.0004 |
| 940 | 0.000416667 |
| 941 | 0.000416667 |
| 942 | 0.000416667 |
| 943 | 0.000416667 |
| 944 | 0.000416667 |
| 945 | 0.000416667 |
| 946 | 0.000416667 |
| 947 | 0.000416667 |
| 948 | 0.000428571 |
| 949 | 0.000454545 |
| 950 | 0.000454545 |
| 951 | 0.000454545 |
| 952 | 0.000454545 |
| 953 | 0.000454545 |
| 954 | 0.000454545 |
| 955 | 0.000454545 |
| 956 | 0.000454545 |
| 957 | 0.000461538 |
| 958 | 0.0005 |
| 959 | 0.0005 |
| 960 | 0.0005 |
| 961 | 0.0005 |
| 962 | 0.0005 |
| 963 | 0.0005 |
| 964 | 0.0005 |
| 965 | 0.000545455 |
| 966 | 0.000555556 |
| 967 | 0.000555556 |
| 968 | 0.000555556 |
| 969 | 0.000555556 |
| 970 | 0.000555556 |
| 971 | 0.000568182 |
| 972 | 0.0006 |
| 973 | 0.000625 |
| 974 | 0.000625 |
| 975 | 0.000625 |
| 976 | 0.000625 |
| 977 | 0.000633333 |
| 978 | 0.000666667 |
| 979 | 0.000666667 |
| 980 | 0.000666667 |
| 981 | 0.000690476 |
| 982 | 0.000714286 |
| 983 | 0.000714286 |
| 984 | 0.000714286 |
| 985 | 0.00073913 |

| | |
|---|---|
| 986 | 0.00075 |
| 987 | 0.000777778 |
| 988 | 0.0008 |
| 989 | 0.0008 |
| 990 | 0.000820513 |
| 991 | 0.000833333 |
| 992 | 0.000833333 |
| 993 | 0.000833333 |
| 994 | 0.000833333 |
| 995 | 0.000842105 |
| 996 | 0.000857143 |
| 997 | 0.000914286 |
| 998 | 0.000928571 |
| 999 | 0.000941176 |
| 1000 | 0.000969697 |
| 1001 | 0.001 |
| 1002 | 0.001 |
| 1003 | 0.001 |
| 1004 | 0.001 |
| 1005 | 0.001 |
| 1006 | 0.001 |
| 1007 | 0.001 |
| 1008 | 0.00103226 |
| 1009 | 0.00106667 |
| 1010 | 0.00110345 |
| 1011 | 0.00110638 |
| 1012 | 0.00112 |
| 1013 | 0.00114286 |
| 1014 | 0.00115385 |
| 1015 | 0.00118519 |
| 1016 | 0.00123077 |
| 1017 | 0.00124444 |
| 1018 | 0.00125 |
| 1019 | 0.00125 |
| 1020 | 0.00128 |
| 1021 | 0.00133333 |
| 1022 | 0.00133333 |
| 1023 | 0.00136842 |
| 1024 | 0.00137209 |
| 1025 | 0.001375 |
| 1026 | 0.0013913 |
| 1027 | 0.00140476 |
| 1028 | 0.00141026 |
| 1029 | 0.00143478 |
| 1030 | 0.0014375 |
| 1031 | 0.00143902 |
| 1032 | 0.00145 |
| 1033 | 0.0015 |
| 1034 | 0.0015 |
| 1035 | 0.00152381 |
| 1036 | 0.00152941 |
| 1037 | 0.00155263 |
| 1038 | 0.00159459 |
| 1039 | 0.0016 |
| 1040 | 0.00163889 |
| 1041 | 0.00166667 |
| 1042 | 0.00168421 |

| | |
|---|---|
| 1043 | 0.00168571 |
| 1044 | 0.00171429 |
| 1045 | 0.00173529 |
| 1046 | 0.00173684 |
| 1047 | 0.00177778 |
| 1048 | 0.00178788 |
| 1049 | 0.0018 |
| 1050 | 0.00183333 |
| 1051 | 0.00184375 |
| 1052 | 0.00190323 |
| 1053 | 0.00192857 |
| 1054 | 0.00193939 |
| 1055 | 0.00194118 |
| 1056 | 0.00196667 |
| 1057 | 0.002 |
| 1058 | 0.002 |
| 1059 | 0.002 |
| 1060 | 0.00203448 |
| 1061 | 0.0020625 |
| 1062 | 0.00207692 |
| 1063 | 0.00210714 |
| 1064 | 0.00218519 |
| 1065 | 0.00219355 |
| 1066 | 0.0022 |
| 1067 | 0.00225 |
| 1068 | 0.00226923 |
| 1069 | 0.00235714 |
| 1070 | 0.00244828 |
| 1071 | 0.00245833 |
| 1072 | 0.00253571 |
| 1073 | 0.00253846 |
| 1074 | 0.00256522 |
| 1075 | 0.00262963 |
| 1076 | 0.00265 |
| 1077 | 0.00268 |
| 1078 | 0.00268182 |
| 1079 | 0.0027 |
| 1080 | 0.00275 |
| 1081 | 0.0028 |
| 1082 | 0.00280952 |
| 1083 | 0.00295833 |
| 1084 | 0.003 |
| 1085 | 0.003 |
| 1086 | 0.003 |
| 1087 | 0.003 |
| 1088 | 0.00308696 |
| 1089 | 0.00317647 |
| 1090 | 0.0032 |
| 1091 | 0.00322727 |
| 1092 | 0.0033 |
| 1093 | 0.003375 |
| 1094 | 0.003375 |
| 1095 | 0.00338095 |
| 1096 | 0.00355 |
| 1097 | 0.0036 |
| 1098 | 0.00366667 |
| 1099 | 0.00373684 |

| | |
|---|---|
| 1100 | 0.00385714 |
| 1101 | 0.00394444 |
| 1102 | 0.004125 |
| 1103 | 0.00415385 |
| 1104 | 0.00417647 |
| 1105 | 0.0044375 |
| 1106 | 0.0045 |
| 1107 | 0.0045 |
| 1108 | 0.0045 |
| 1109 | 0.00471429 |
| 1110 | 0.00473333 |
| 1111 | 0.00490909 |
| 1112 | 0.00507143 |
| 1113 | 0.0054 |
| 1114 | 0.0054 |
| 1115 | 0.00546154 |
| 1116 | 0.00591667 |
| 1117 | 0.006 |
| 1118 | 0.006 |
| 1119 | 0.00633333 |
| 1120 | 0.0066 |
| 1121 | 0.00675 |
| 1122 | 0.00675 |
| 1123 | 0.00678947 |
| 1124 | 0.0071 |
| 1125 | 0.00742857 |
| 1126 | 0.0076 |
| 1127 | 0.00771429 |
| 1128 | 0.00788889 |
| 1129 | 0.00790909 |
| 1130 | 0.00825 |
| 1131 | 0.008875 |
| 1132 | 0.0089 |
| 1133 | 0.009 |
| 1134 | 0.009 |
| 1135 | 0.0095 |
| 1136 | 0.0100556 |
| 1137 | 0.0101429 |
| 1138 | 0.0106471 |
| 1139 | 0.0108 |
| 1140 | 0.0108 |
| 1141 | 0.0108333 |
| 1142 | 0.011 |
| 1143 | 0.0113125 |
| 1144 | 0.0116667 |
| 1145 | 0.0126429 |
| 1146 | 0.0135 |
| 1147 | 0.0135 |
| 1148 | 0.0139231 |
| 1149 | 0.0143333 |
| 1150 | 0.015 |
| 1151 | 0.0150833 |
| 1152 | 0.016 |
| 1153 | 0.0164545 |
| 1154 | 0.0165 |
| 1155 | 0.0165 |
| 1156 | 0.0175 |

| | |
|---|---|
| 1157 | 0.018 |
| 1158 | 0.0181 |
| 1159 | 0.019 |
| 1160 | 0.0201111 |
| 1161 | 0.022 |
| 1162 | 0.022625 |
| 1163 | 0.0258571 |
| 1164 | 0.026 |
| 1165 | 0.027 |
| 1166 | 0.0301667 |
| 1167 | 0.033 |
| 1168 | 0.0362 |
| 1169 | 0.043 |
| 1170 | 0.04525 |
| 1171 | 0.049 |
| 1172 | 0.0603333 |
| 1173 | 0.066 |
| 1174 | 0.07 |
| 1175 | 0.0905 |
| 1176 | 0.181 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.032 | 2 |
| 2 | 0.025 | 20 |
| 3 | 0.03 | 12 |
| 4 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |

| | |
|---|---|
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 21012
B = 0
C = 8166
D = 0
E = 520
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 12291.3
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 182.359
M1 = (1176 - 182.359)/2.0 = 496.821
M2 = (1176 + 182.359)/2.0 + 1 = 680.179
Lower limit is 0 = Q(497)
Upper limit is 4.16667e-05 = Q(680)
0 < 0 < 4.16667e-05 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SS 14
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.041 (5/8/2013) | 0.087 (3/12/2013) | (0.041 - 0.087)/(2 - 1) | -0.046 |
| 0.036 (9/23/2013) | 0.087 (3/12/2013) | (0.036 - 0.087)/(3 - 1) | -0.0255 |
| 0.16 (12/10/2013) | 0.087 (3/12/2013) | (0.16 - 0.087)/(4 - 1) | 0.0243333 |
| 0.074 (2/6/2014) | 0.087 (3/12/2013) | (0.074 - 0.087)/(5 - 1) | -0.00325 |
| 0.08 (6/26/2014) | 0.087 (3/12/2013) | (0.08 - 0.087)/(6 - 1) | -0.0014 |
| 0.031 (9/30/2014) | 0.087 (3/12/2013) | (0.031 - 0.087)/(7 - 1) | -0.00933333 |
| 0.075 (11/19/2014) | 0.087 (3/12/2013) | (0.075 - 0.087)/(8 - 1) | -0.00171429 |
| 0.11 (3/23/2015) | 0.087 (3/12/2013) | (0.11 - 0.087)/(9 - 1) | 0.002875 |
| ND<0.025 U (4/22/2015) | 0.087 (3/12/2013) | (0.025 - 0.087)/(10 - 1) | -0.00688889 |
| 0.088 (9/30/2015) | 0.087 (3/12/2013) | (0.088 - 0.087)/(11 - 1) | 0.0001 |
| 0.131 (11/19/2015) | 0.087 (3/12/2013) | (0.131 - 0.087)/(12 - 1) | 0.004 |
| 0.056 (3/15/2016) | 0.087 (3/12/2013) | (0.056 - 0.087)/(13 - 1) | -0.00258333 |
| 0.103 (6/29/2016) | 0.087 (3/12/2013) | (0.103 - 0.087)/(14 - 1) | 0.00123077 |
| 0.062 (8/9/2016) | 0.087 (3/12/2013) | (0.062 - 0.087)/(15 - 1) | -0.00178571 |
| 0.078 (12/7/2016) | 0.087 (3/12/2013) | (0.078 - 0.087)/(16 - 1) | -0.0006 |
| 0.092 (3/2/2017) | 0.087 (3/12/2013) | (0.092 - 0.087)/(17 - 1) | 0.0003125 |
| 0.03 (6/21/2017) | 0.087 (3/12/2013) | (0.03 - 0.087)/(18 - 1) | -0.00335294 |
| 0.07 (8/17/2017) | 0.087 (3/12/2013) | (0.07 - 0.087)/(19 - 1) | -0.000944444 |
| 0.054 (10/26/2017) | 0.087 (3/12/2013) | (0.054 - 0.087)/(20 - 1) | -0.00173684 |
| 0.044 (3/27/2018) | 0.087 (3/12/2013) | (0.044 - 0.087)/(21 - 1) | -0.00215 |
| 0.044 (6/26/2018) | 0.087 (3/12/2013) | (0.044 - 0.087)/(22 - 1) | -0.00204762 |
| 0.233 (8/1/2018) | 0.087 (3/12/2013) | (0.233 - 0.087)/(23 - 1) | 0.00663636 |
| 0.057 (12/11/2018) | 0.087 (3/12/2013) | (0.057 - 0.087)/(24 - 1) | -0.00130435 |
| 0.042 (4/17/2019) | 0.087 (3/12/2013) | (0.042 - 0.087)/(25 - 1) | -0.001875 |
| 0.077 (6/11/2019) | 0.087 (3/12/2013) | (0.077 - 0.087)/(26 - 1) | -0.0004 |
| ND<0.025 U (8/28/2019) | 0.087 (3/12/2013) | (0.025 - 0.087)/(27 - 1) | -0.00238462 |
| 0.048 (10/28/2019) | 0.087 (3/12/2013) | (0.048 - 0.087)/(28 - 1) | -0.00144444 |
| 0.235 (3/31/2020) | 0.087 (3/12/2013) | (0.235 - 0.087)/(29 - 1) | 0.00528571 |
| 0.078 (6/10/2020) | 0.087 (3/12/2013) | (0.078 - 0.087)/(30 - 1) | -0.000310345 |
| 0.075 (9/21/2020) | 0.087 (3/12/2013) | (0.075 - 0.087)/(31 - 1) | -0.0004 |
| 0.05 (12/17/2020) | 0.087 (3/12/2013) | (0.05 - 0.087)/(32 - 1) | -0.00119355 |
| 0.048 (3/18/2021) | 0.087 (3/12/2013) | (0.048 - 0.087)/(33 - 1) | -0.00121875 |
| 0.073 (5/5/2021) | 0.087 (3/12/2013) | (0.073 - 0.087)/(34 - 1) | -0.000424242 |
| 0.98 (9/2/2021) | 0.087 (3/12/2013) | (0.98 - 0.087)/(35 - 1) | 0.0262647 |
| 0.108 (11/23/2021) | 0.087 (3/12/2013) | (0.108 - 0.087)/(36 - 1) | 0.0006 |
| 0.068 (1/10/2022) | 0.087 (3/12/2013) | (0.068 - 0.087)/(37 - 1) | -0.000527778 |
| 0.033 (4/7/2022) | 0.087 (3/12/2013) | (0.033 - 0.087)/(38 - 1) | -0.00145946 |
| ND<0.03 U (8/3/2022) | 0.087 (3/12/2013) | (0.03 - 0.087)/(39 - 1) | -0.0015 |
| 0.039 (11/16/2022) | 0.087 (3/12/2013) | (0.039 - 0.087)/(40 - 1) | -0.00123077 |
| 0.052 (2/13/2023) | 0.087 (3/12/2013) | (0.052 - 0.087)/(41 - 1) | -0.000875 |
| 0.044 (5/24/2023) | 0.087 (3/12/2013) | (0.044 - 0.087)/(42 - 1) | -0.00104878 |
| 0.032 (8/7/2023) | 0.087 (3/12/2013) | (0.032 - 0.087)/(43 - 1) | -0.00130952 |
| 0.041 (12/12/2023) | 0.087 (3/12/2013) | (0.041 - 0.087)/(44 - 1) | -0.00106977 |
| 0.087 (1/10/2024) | 0.087 (3/12/2013) | (0.087 - 0.087)/(45 - 1) | 0 |
| 0.021 (5/20/2024) | 0.087 (3/12/2013) | (0.021 - 0.087)/(46 - 1) | -0.00146667 |
| 0.033 (9/16/2024) | 0.087 (3/12/2013) | (0.033 - 0.087)/(47 - 1) | -0.00117391 |
| 0.155 (12/11/2024) | 0.087 (3/12/2013) | (0.155 - 0.087)/(48 - 1) | 0.00144681 |
| 0.054 (2/18/2025) | 0.087 (3/12/2013) | (0.054 - 0.087)/(49 - 1) | -0.0006875 |

| | | | |
|---|---|---|---|
| 0.036 (9/23/2013) | 0.041 (5/8/2013) | (0.036 - 0.041)/(3 - 2) | -0.005 |
| 0.16 (12/10/2013) | 0.041 (5/8/2013) | (0.16 - 0.041)/(4 - 2) | 0.0595 |
| 0.074 (2/6/2014) | 0.041 (5/8/2013) | (0.074 - 0.041)/(5 - 2) | 0.011 |
| 0.08 (6/26/2014) | 0.041 (5/8/2013) | (0.08 - 0.041)/(6 - 2) | 0.00975 |
| 0.031 (9/30/2014) | 0.041 (5/8/2013) | (0.031 - 0.041)/(7 - 2) | -0.002 |
| 0.075 (11/19/2014) | 0.041 (5/8/2013) | (0.075 - 0.041)/(8 - 2) | 0.00566667 |
| 0.11 (3/23/2015) | 0.041 (5/8/2013) | (0.11 - 0.041)/(9 - 2) | 0.00985714 |
| ND<0.025 U (4/22/2015) | 0.041 (5/8/2013) | (0.025 - 0.041)/(10 - 2) | -0.002 |
| 0.088 (9/30/2015) | 0.041 (5/8/2013) | (0.088 - 0.041)/(11 - 2) | 0.00522222 |
| 0.131 (11/19/2015) | 0.041 (5/8/2013) | (0.131 - 0.041)/(12 - 2) | 0.009 |
| 0.056 (3/15/2016) | 0.041 (5/8/2013) | (0.056 - 0.041)/(13 - 2) | 0.00136364 |
| 0.103 (6/29/2016) | 0.041 (5/8/2013) | (0.103 - 0.041)/(14 - 2) | 0.00516667 |
| 0.062 (8/9/2016) | 0.041 (5/8/2013) | (0.062 - 0.041)/(15 - 2) | 0.00161538 |
| 0.078 (12/7/2016) | 0.041 (5/8/2013) | (0.078 - 0.041)/(16 - 2) | 0.00264286 |
| 0.092 (3/2/2017) | 0.041 (5/8/2013) | (0.092 - 0.041)/(17 - 2) | 0.0034 |
| 0.03 (6/21/2017) | 0.041 (5/8/2013) | (0.03 - 0.041)/(18 - 2) | -0.0006875 |
| 0.07 (8/17/2017) | 0.041 (5/8/2013) | (0.07 - 0.041)/(19 - 2) | 0.00170588 |
| 0.054 (10/26/2017) | 0.041 (5/8/2013) | (0.054 - 0.041)/(20 - 2) | 0.000722222 |
| 0.044 (3/27/2018) | 0.041 (5/8/2013) | (0.044 - 0.041)/(21 - 2) | 0.000157895 |
| 0.044 (6/26/2018) | 0.041 (5/8/2013) | (0.044 - 0.041)/(22 - 2) | 0.00015 |
| 0.233 (8/1/2018) | 0.041 (5/8/2013) | (0.233 - 0.041)/(23 - 2) | 0.00914286 |
| 0.057 (12/11/2018) | 0.041 (5/8/2013) | (0.057 - 0.041)/(24 - 2) | 0.000727273 |
| 0.042 (4/17/2019) | 0.041 (5/8/2013) | (0.042 - 0.041)/(25 - 2) | 4.34783e-05 |
| 0.077 (6/11/2019) | 0.041 (5/8/2013) | (0.077 - 0.041)/(26 - 2) | 0.0015 |
| ND<0.025 U (8/28/2019) | 0.041 (5/8/2013) | (0.025 - 0.041)/(27 - 2) | -0.00064 |
| 0.048 (10/28/2019) | 0.041 (5/8/2013) | (0.048 - 0.041)/(28 - 2) | 0.000269231 |
| 0.235 (3/31/2020) | 0.041 (5/8/2013) | (0.235 - 0.041)/(29 - 2) | 0.00718519 |
| 0.078 (6/10/2020) | 0.041 (5/8/2013) | (0.078 - 0.041)/(30 - 2) | 0.00132143 |
| 0.075 (9/21/2020) | 0.041 (5/8/2013) | (0.075 - 0.041)/(31 - 2) | 0.00117241 |
| 0.05 (12/17/2020) | 0.041 (5/8/2013) | (0.05 - 0.041)/(32 - 2) | 0.0003 |
| 0.048 (3/18/2021) | 0.041 (5/8/2013) | (0.048 - 0.041)/(33 - 2) | 0.000225806 |
| 0.073 (5/5/2021) | 0.041 (5/8/2013) | (0.073 - 0.041)/(34 - 2) | 0.001 |
| 0.98 (9/2/2021) | 0.041 (5/8/2013) | (0.98 - 0.041)/(35 - 2) | 0.0284545 |
| 0.108 (11/23/2021) | 0.041 (5/8/2013) | (0.108 - 0.041)/(36 - 2) | 0.00197059 |
| 0.068 (1/10/2022) | 0.041 (5/8/2013) | (0.068 - 0.041)/(37 - 2) | 0.000771429 |
| 0.033 (4/7/2022) | 0.041 (5/8/2013) | (0.033 - 0.041)/(38 - 2) | -0.000222222 |
| ND<0.03 U (8/3/2022) | 0.041 (5/8/2013) | (0.03 - 0.041)/(39 - 2) | -0.000297297 |
| 0.039 (11/16/2022) | 0.041 (5/8/2013) | (0.039 - 0.041)/(40 - 2) | -5.26316e-05 |
| 0.052 (2/13/2023) | 0.041 (5/8/2013) | (0.052 - 0.041)/(41 - 2) | 0.000282051 |
| 0.044 (5/24/2023) | 0.041 (5/8/2013) | (0.044 - 0.041)/(42 - 2) | 7.5e-05 |
| 0.032 (8/7/2023) | 0.041 (5/8/2013) | (0.032 - 0.041)/(43 - 2) | -0.000219512 |
| 0.041 (12/12/2023) | 0.041 (5/8/2013) | (0.041 - 0.041)/(44 - 2) | 0 |
| 0.087 (1/10/2024) | 0.041 (5/8/2013) | (0.087 - 0.041)/(45 - 2) | 0.00106977 |
| 0.021 (5/20/2024) | 0.041 (5/8/2013) | (0.021 - 0.041)/(46 - 2) | -0.000454545 |
| 0.033 (9/16/2024) | 0.041 (5/8/2013) | (0.033 - 0.041)/(47 - 2) | -0.000177778 |
| 0.155 (12/11/2024) | 0.041 (5/8/2013) | (0.155 - 0.041)/(48 - 2) | 0.00247826 |
| 0.054 (2/18/2025) | 0.041 (5/8/2013) | (0.054 - 0.041)/(49 - 2) | 0.000276596 |
| | | | |
| 0.16 (12/10/2013) | 0.036 (9/23/2013) | (0.16 - 0.036)/(4 - 3) | 0.124 |
| 0.074 (2/6/2014) | 0.036 (9/23/2013) | (0.074 - 0.036)/(5 - 3) | 0.019 |
| 0.08 (6/26/2014) | 0.036 (9/23/2013) | (0.08 - 0.036)/(6 - 3) | 0.0146667 |
| 0.031 (9/30/2014) | 0.036 (9/23/2013) | (0.031 - 0.036)/(7 - 3) | -0.00125 |
| 0.075 (11/19/2014) | 0.036 (9/23/2013) | (0.075 - 0.036)/(8 - 3) | 0.0078 |
| 0.11 (3/23/2015) | 0.036 (9/23/2013) | (0.11 - 0.036)/(9 - 3) | 0.0123333 |
| ND<0.025 U (4/22/2015) | 0.036 (9/23/2013) | (0.025 - 0.036)/(10 - 3) | -0.00157143 |
| 0.088 (9/30/2015) | 0.036 (9/23/2013) | (0.088 - 0.036)/(11 - 3) | 0.0065 |

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|---|---|---|---|
| 0.131 (11/19/2015) | 0.036 (9/23/2013) | (0.131 - 0.036)/(12 - 3) | 0.0105556 |
| 0.056 (3/15/2016) | 0.036 (9/23/2013) | (0.056 - 0.036)/(13 - 3) | 0.002 |
| 0.103 (6/29/2016) | 0.036 (9/23/2013) | (0.103 - 0.036)/(14 - 3) | 0.00609091 |
| 0.062 (8/9/2016) | 0.036 (9/23/2013) | (0.062 - 0.036)/(15 - 3) | 0.00216667 |
| 0.078 (12/7/2016) | 0.036 (9/23/2013) | (0.078 - 0.036)/(16 - 3) | 0.00323077 |
| 0.092 (3/2/2017) | 0.036 (9/23/2013) | (0.092 - 0.036)/(17 - 3) | 0.004 |
| 0.03 (6/21/2017) | 0.036 (9/23/2013) | (0.03 - 0.036)/(18 - 3) | -0.0004 |
| 0.07 (8/17/2017) | 0.036 (9/23/2013) | (0.07 - 0.036)/(19 - 3) | 0.002125 |
| 0.054 (10/26/2017) | 0.036 (9/23/2013) | (0.054 - 0.036)/(20 - 3) | 0.00105882 |
| 0.044 (3/27/2018) | 0.036 (9/23/2013) | (0.044 - 0.036)/(21 - 3) | 0.000444444 |
| 0.044 (6/26/2018) | 0.036 (9/23/2013) | (0.044 - 0.036)/(22 - 3) | 0.000421053 |
| 0.233 (8/1/2018) | 0.036 (9/23/2013) | (0.233 - 0.036)/(23 - 3) | 0.00985 |
| 0.057 (12/11/2018) | 0.036 (9/23/2013) | (0.057 - 0.036)/(24 - 3) | 0.001 |
| 0.042 (4/17/2019) | 0.036 (9/23/2013) | (0.042 - 0.036)/(25 - 3) | 0.000272727 |
| 0.077 (6/11/2019) | 0.036 (9/23/2013) | (0.077 - 0.036)/(26 - 3) | 0.00178261 |
| ND<0.025 U (8/28/2019) | 0.036 (9/23/2013) | (0.025 - 0.036)/(27 - 3) | -0.000458333 |
| 0.048 (10/28/2019) | 0.036 (9/23/2013) | (0.048 - 0.036)/(28 - 3) | 0.00048 |
| 0.235 (3/31/2020) | 0.036 (9/23/2013) | (0.235 - 0.036)/(29 - 3) | 0.00765385 |
| 0.078 (6/10/2020) | 0.036 (9/23/2013) | (0.078 - 0.036)/(30 - 3) | 0.00155556 |
| 0.075 (9/21/2020) | 0.036 (9/23/2013) | (0.075 - 0.036)/(31 - 3) | 0.00139286 |
| 0.05 (12/17/2020) | 0.036 (9/23/2013) | (0.05 - 0.036)/(32 - 3) | 0.000482759 |
| 0.048 (3/18/2021) | 0.036 (9/23/2013) | (0.048 - 0.036)/(33 - 3) | 0.0004 |
| 0.073 (5/5/2021) | 0.036 (9/23/2013) | (0.073 - 0.036)/(34 - 3) | 0.00119355 |
| 0.98 (9/2/2021) | 0.036 (9/23/2013) | (0.98 - 0.036)/(35 - 3) | 0.0295 |
| 0.108 (11/23/2021) | 0.036 (9/23/2013) | (0.108 - 0.036)/(36 - 3) | 0.00218182 |
| 0.068 (1/10/2022) | 0.036 (9/23/2013) | (0.068 - 0.036)/(37 - 3) | 0.000941176 |
| 0.033 (4/7/2022) | 0.036 (9/23/2013) | (0.033 - 0.036)/(38 - 3) | -8.57143e-05 |
| ND<0.03 U (8/3/2022) | 0.036 (9/23/2013) | (0.03 - 0.036)/(39 - 3) | -0.000166667 |
| 0.039 (11/16/2022) | 0.036 (9/23/2013) | (0.039 - 0.036)/(40 - 3) | 8.10811e-05 |
| 0.052 (2/13/2023) | 0.036 (9/23/2013) | (0.052 - 0.036)/(41 - 3) | 0.000421053 |
| 0.044 (5/24/2023) | 0.036 (9/23/2013) | (0.044 - 0.036)/(42 - 3) | 0.000205128 |
| 0.032 (8/7/2023) | 0.036 (9/23/2013) | (0.032 - 0.036)/(43 - 3) | -0.0001 |
| 0.041 (12/12/2023) | 0.036 (9/23/2013) | (0.041 - 0.036)/(44 - 3) | 0.000121951 |
| 0.087 (1/10/2024) | 0.036 (9/23/2013) | (0.087 - 0.036)/(45 - 3) | 0.00121429 |
| 0.021 (5/20/2024) | 0.036 (9/23/2013) | (0.021 - 0.036)/(46 - 3) | -0.000348837 |
| 0.033 (9/16/2024) | 0.036 (9/23/2013) | (0.033 - 0.036)/(47 - 3) | -6.81818e-05 |
| 0.155 (12/11/2024) | 0.036 (9/23/2013) | (0.155 - 0.036)/(48 - 3) | 0.00264444 |
| 0.054 (2/18/2025) | 0.036 (9/23/2013) | (0.054 - 0.036)/(49 - 3) | 0.000391304 |
| | | | |
| 0.074 (2/6/2014) | 0.16 (12/10/2013) | (0.074 - 0.16)/(5 - 4) | -0.086 |
| 0.08 (6/26/2014) | 0.16 (12/10/2013) | (0.08 - 0.16)/(6 - 4) | -0.04 |
| 0.031 (9/30/2014) | 0.16 (12/10/2013) | (0.031 - 0.16)/(7 - 4) | -0.043 |
| 0.075 (11/19/2014) | 0.16 (12/10/2013) | (0.075 - 0.16)/(8 - 4) | -0.02125 |
| 0.11 (3/23/2015) | 0.16 (12/10/2013) | (0.11 - 0.16)/(9 - 4) | -0.01 |
| ND<0.025 U (4/22/2015) | 0.16 (12/10/2013) | (0.025 - 0.16)/(10 - 4) | -0.0225 |
| 0.088 (9/30/2015) | 0.16 (12/10/2013) | (0.088 - 0.16)/(11 - 4) | -0.0102857 |
| 0.131 (11/19/2015) | 0.16 (12/10/2013) | (0.131 - 0.16)/(12 - 4) | -0.003625 |
| 0.056 (3/15/2016) | 0.16 (12/10/2013) | (0.056 - 0.16)/(13 - 4) | -0.0115556 |
| 0.103 (6/29/2016) | 0.16 (12/10/2013) | (0.103 - 0.16)/(14 - 4) | -0.0057 |
| 0.062 (8/9/2016) | 0.16 (12/10/2013) | (0.062 - 0.16)/(15 - 4) | -0.00890909 |
| 0.078 (12/7/2016) | 0.16 (12/10/2013) | (0.078 - 0.16)/(16 - 4) | -0.00683333 |
| 0.092 (3/2/2017) | 0.16 (12/10/2013) | (0.092 - 0.16)/(17 - 4) | -0.00523077 |
| 0.03 (6/21/2017) | 0.16 (12/10/2013) | (0.03 - 0.16)/(18 - 4) | -0.00928571 |
| 0.07 (8/17/2017) | 0.16 (12/10/2013) | (0.07 - 0.16)/(19 - 4) | -0.006 |
| 0.054 (10/26/2017) | 0.16 (12/10/2013) | (0.054 - 0.16)/(20 - 4) | -0.006625 |
| 0.044 (3/27/2018) | 0.16 (12/10/2013) | (0.044 - 0.16)/(21 - 4) | -0.00682353 |
| 0.044 (6/26/2018) | 0.16 (12/10/2013) | (0.044 - 0.16)/(22 - 4) | -0.00644444 |

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|---|---|---|---|
| 0.233 (8/1/2018) | 0.16 (12/10/2013) | (0.233 - 0.16)/(23 - 4) | 0.00384211 |
| 0.057 (12/11/2018) | 0.16 (12/10/2013) | (0.057 - 0.16)/(24 - 4) | -0.00515 |
| 0.042 (4/17/2019) | 0.16 (12/10/2013) | (0.042 - 0.16)/(25 - 4) | -0.00561905 |
| 0.077 (6/11/2019) | 0.16 (12/10/2013) | (0.077 - 0.16)/(26 - 4) | -0.00377273 |
| ND<0.025 U (8/28/2019) | 0.16 (12/10/2013) | (0.025 - 0.16)/(27 - 4) | -0.00586957 |
| 0.048 (10/28/2019) | 0.16 (12/10/2013) | (0.048 - 0.16)/(28 - 4) | -0.00466667 |
| 0.235 (3/31/2020) | 0.16 (12/10/2013) | (0.235 - 0.16)/(29 - 4) | 0.003 |
| 0.078 (6/10/2020) | 0.16 (12/10/2013) | (0.078 - 0.16)/(30 - 4) | -0.00315385 |
| 0.075 (9/21/2020) | 0.16 (12/10/2013) | (0.075 - 0.16)/(31 - 4) | -0.00314815 |
| 0.05 (12/17/2020) | 0.16 (12/10/2013) | (0.05 - 0.16)/(32 - 4) | -0.00392857 |
| 0.048 (3/18/2021) | 0.16 (12/10/2013) | (0.048 - 0.16)/(33 - 4) | -0.00386207 |
| 0.073 (5/5/2021) | 0.16 (12/10/2013) | (0.073 - 0.16)/(34 - 4) | -0.0029 |
| 0.98 (9/2/2021) | 0.16 (12/10/2013) | (0.98 - 0.16)/(35 - 4) | 0.0264516 |
| 0.108 (11/23/2021) | 0.16 (12/10/2013) | (0.108 - 0.16)/(36 - 4) | -0.001625 |
| 0.068 (1/10/2022) | 0.16 (12/10/2013) | (0.068 - 0.16)/(37 - 4) | -0.00278788 |
| 0.033 (4/7/2022) | 0.16 (12/10/2013) | (0.033 - 0.16)/(38 - 4) | -0.00373529 |
| ND<0.03 U (8/3/2022) | 0.16 (12/10/2013) | (0.03 - 0.16)/(39 - 4) | -0.00371429 |
| 0.039 (11/16/2022) | 0.16 (12/10/2013) | (0.039 - 0.16)/(40 - 4) | -0.00336111 |
| 0.052 (2/13/2023) | 0.16 (12/10/2013) | (0.052 - 0.16)/(41 - 4) | -0.00291892 |
| 0.044 (5/24/2023) | 0.16 (12/10/2013) | (0.044 - 0.16)/(42 - 4) | -0.00305263 |
| 0.032 (8/7/2023) | 0.16 (12/10/2013) | (0.032 - 0.16)/(43 - 4) | -0.00328205 |
| 0.041 (12/12/2023) | 0.16 (12/10/2013) | (0.041 - 0.16)/(44 - 4) | -0.002975 |
| 0.087 (1/10/2024) | 0.16 (12/10/2013) | (0.087 - 0.16)/(45 - 4) | -0.00178049 |
| 0.021 (5/20/2024) | 0.16 (12/10/2013) | (0.021 - 0.16)/(46 - 4) | -0.00330952 |
| 0.033 (9/16/2024) | 0.16 (12/10/2013) | (0.033 - 0.16)/(47 - 4) | -0.00295349 |
| 0.155 (12/11/2024) | 0.16 (12/10/2013) | (0.155 - 0.16)/(48 - 4) | -0.000113636 |
| 0.054 (2/18/2025) | 0.16 (12/10/2013) | (0.054 - 0.16)/(49 - 4) | -0.00235556 |

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|---|---|---|---|
| 0.08 (6/26/2014) | 0.074 (2/6/2014) | (0.08 - 0.074)/(6 - 5) | 0.006 |
| 0.031 (9/30/2014) | 0.074 (2/6/2014) | (0.031 - 0.074)/(7 - 5) | -0.0215 |
| 0.075 (11/19/2014) | 0.074 (2/6/2014) | (0.075 - 0.074)/(8 - 5) | 0.000333333 |
| 0.11 (3/23/2015) | 0.074 (2/6/2014) | (0.11 - 0.074)/(9 - 5) | 0.009 |
| ND<0.025 U (4/22/2015) | 0.074 (2/6/2014) | (0.025 - 0.074)/(10 - 5) | -0.0098 |
| 0.088 (9/30/2015) | 0.074 (2/6/2014) | (0.088 - 0.074)/(11 - 5) | 0.00233333 |
| 0.131 (11/19/2015) | 0.074 (2/6/2014) | (0.131 - 0.074)/(12 - 5) | 0.00814286 |
| 0.056 (3/15/2016) | 0.074 (2/6/2014) | (0.056 - 0.074)/(13 - 5) | -0.00225 |
| 0.103 (6/29/2016) | 0.074 (2/6/2014) | (0.103 - 0.074)/(14 - 5) | 0.00322222 |
| 0.062 (8/9/2016) | 0.074 (2/6/2014) | (0.062 - 0.074)/(15 - 5) | -0.0012 |
| 0.078 (12/7/2016) | 0.074 (2/6/2014) | (0.078 - 0.074)/(16 - 5) | 0.000363636 |
| 0.092 (3/2/2017) | 0.074 (2/6/2014) | (0.092 - 0.074)/(17 - 5) | 0.0015 |
| 0.03 (6/21/2017) | 0.074 (2/6/2014) | (0.03 - 0.074)/(18 - 5) | -0.00338462 |
| 0.07 (8/17/2017) | 0.074 (2/6/2014) | (0.07 - 0.074)/(19 - 5) | -0.000285714 |
| 0.054 (10/26/2017) | 0.074 (2/6/2014) | (0.054 - 0.074)/(20 - 5) | -0.00133333 |
| 0.044 (3/27/2018) | 0.074 (2/6/2014) | (0.044 - 0.074)/(21 - 5) | -0.001875 |
| 0.044 (6/26/2018) | 0.074 (2/6/2014) | (0.044 - 0.074)/(22 - 5) | -0.00176471 |
| 0.233 (8/1/2018) | 0.074 (2/6/2014) | (0.233 - 0.074)/(23 - 5) | 0.00883333 |
| 0.057 (12/11/2018) | 0.074 (2/6/2014) | (0.057 - 0.074)/(24 - 5) | -0.000894737 |
| 0.042 (4/17/2019) | 0.074 (2/6/2014) | (0.042 - 0.074)/(25 - 5) | -0.0016 |
| 0.077 (6/11/2019) | 0.074 (2/6/2014) | (0.077 - 0.074)/(26 - 5) | 0.000142857 |
| ND<0.025 U (8/28/2019) | 0.074 (2/6/2014) | (0.025 - 0.074)/(27 - 5) | -0.00222727 |
| 0.048 (10/28/2019) | 0.074 (2/6/2014) | (0.048 - 0.074)/(28 - 5) | -0.00113043 |
| 0.235 (3/31/2020) | 0.074 (2/6/2014) | (0.235 - 0.074)/(29 - 5) | 0.00670833 |
| 0.078 (6/10/2020) | 0.074 (2/6/2014) | (0.078 - 0.074)/(30 - 5) | 0.00016 |
| 0.075 (9/21/2020) | 0.074 (2/6/2014) | (0.075 - 0.074)/(31 - 5) | 3.84615e-05 |
| 0.05 (12/17/2020) | 0.074 (2/6/2014) | (0.05 - 0.074)/(32 - 5) | -0.000888889 |
| 0.048 (3/18/2021) | 0.074 (2/6/2014) | (0.048 - 0.074)/(33 - 5) | -0.000928571 |
| 0.073 (5/5/2021) | 0.074 (2/6/2014) | (0.073 - 0.074)/(34 - 5) | -3.44828e-05 |

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|---|---|---|---|
| 0.98 (9/2/2021) | 0.074 (2/6/2014) | (0.98 - 0.074)/(35 - 5) | 0.0302 |
| 0.108 (11/23/2021) | 0.074 (2/6/2014) | (0.108 - 0.074)/(36 - 5) | 0.00109677 |
| 0.068 (1/10/2022) | 0.074 (2/6/2014) | (0.068 - 0.074)/(37 - 5) | -0.0001875 |
| 0.033 (4/7/2022) | 0.074 (2/6/2014) | (0.033 - 0.074)/(38 - 5) | -0.00124242 |
| ND<0.03 U (8/3/2022) | 0.074 (2/6/2014) | (0.03 - 0.074)/(39 - 5) | -0.00129412 |
| 0.039 (11/16/2022) | 0.074 (2/6/2014) | (0.039 - 0.074)/(40 - 5) | -0.001 |
| 0.052 (2/13/2023) | 0.074 (2/6/2014) | (0.052 - 0.074)/(41 - 5) | -0.000611111 |
| 0.044 (5/24/2023) | 0.074 (2/6/2014) | (0.044 - 0.074)/(42 - 5) | -0.000810811 |
| 0.032 (8/7/2023) | 0.074 (2/6/2014) | (0.032 - 0.074)/(43 - 5) | -0.00110526 |
| 0.041 (12/12/2023) | 0.074 (2/6/2014) | (0.041 - 0.074)/(44 - 5) | -0.000846154 |
| 0.087 (1/10/2024) | 0.074 (2/6/2014) | (0.087 - 0.074)/(45 - 5) | 0.000325 |
| 0.021 (5/20/2024) | 0.074 (2/6/2014) | (0.021 - 0.074)/(46 - 5) | -0.00129268 |
| 0.033 (9/16/2024) | 0.074 (2/6/2014) | (0.033 - 0.074)/(47 - 5) | -0.00097619 |
| 0.155 (12/11/2024) | 0.074 (2/6/2014) | (0.155 - 0.074)/(48 - 5) | 0.00188372 |
| 0.054 (2/18/2025) | 0.074 (2/6/2014) | (0.054 - 0.074)/(49 - 5) | -0.000454545 |
| | | | |
| 0.031 (9/30/2014) | 0.08 (6/26/2014) | (0.031 - 0.08)/(7 - 6) | -0.049 |
| 0.075 (11/19/2014) | 0.08 (6/26/2014) | (0.075 - 0.08)/(8 - 6) | -0.0025 |
| 0.11 (3/23/2015) | 0.08 (6/26/2014) | (0.11 - 0.08)/(9 - 6) | 0.01 |
| ND<0.025 U (4/22/2015) | 0.08 (6/26/2014) | (0.025 - 0.08)/(10 - 6) | -0.01375 |
| 0.088 (9/30/2015) | 0.08 (6/26/2014) | (0.088 - 0.08)/(11 - 6) | 0.0016 |
| 0.131 (11/19/2015) | 0.08 (6/26/2014) | (0.131 - 0.08)/(12 - 6) | 0.0085 |
| 0.056 (3/15/2016) | 0.08 (6/26/2014) | (0.056 - 0.08)/(13 - 6) | -0.00342857 |
| 0.103 (6/29/2016) | 0.08 (6/26/2014) | (0.103 - 0.08)/(14 - 6) | 0.002875 |
| 0.062 (8/9/2016) | 0.08 (6/26/2014) | (0.062 - 0.08)/(15 - 6) | -0.002 |
| 0.078 (12/7/2016) | 0.08 (6/26/2014) | (0.078 - 0.08)/(16 - 6) | -0.0002 |
| 0.092 (3/2/2017) | 0.08 (6/26/2014) | (0.092 - 0.08)/(17 - 6) | 0.00109091 |
| 0.03 (6/21/2017) | 0.08 (6/26/2014) | (0.03 - 0.08)/(18 - 6) | -0.00416667 |
| 0.07 (8/17/2017) | 0.08 (6/26/2014) | (0.07 - 0.08)/(19 - 6) | -0.000769231 |
| 0.054 (10/26/2017) | 0.08 (6/26/2014) | (0.054 - 0.08)/(20 - 6) | -0.00185714 |
| 0.044 (3/27/2018) | 0.08 (6/26/2014) | (0.044 - 0.08)/(21 - 6) | -0.0024 |
| 0.044 (6/26/2018) | 0.08 (6/26/2014) | (0.044 - 0.08)/(22 - 6) | -0.00225 |
| 0.233 (8/1/2018) | 0.08 (6/26/2014) | (0.233 - 0.08)/(23 - 6) | 0.009 |
| 0.057 (12/11/2018) | 0.08 (6/26/2014) | (0.057 - 0.08)/(24 - 6) | -0.00127778 |
| 0.042 (4/17/2019) | 0.08 (6/26/2014) | (0.042 - 0.08)/(25 - 6) | -0.002 |
| 0.077 (6/11/2019) | 0.08 (6/26/2014) | (0.077 - 0.08)/(26 - 6) | -0.00015 |
| ND<0.025 U (8/28/2019) | 0.08 (6/26/2014) | (0.025 - 0.08)/(27 - 6) | -0.00261905 |
| 0.048 (10/28/2019) | 0.08 (6/26/2014) | (0.048 - 0.08)/(28 - 6) | -0.00145455 |
| 0.235 (3/31/2020) | 0.08 (6/26/2014) | (0.235 - 0.08)/(29 - 6) | 0.00673913 |
| 0.078 (6/10/2020) | 0.08 (6/26/2014) | (0.078 - 0.08)/(30 - 6) | -8.33333e-05 |
| 0.075 (9/21/2020) | 0.08 (6/26/2014) | (0.075 - 0.08)/(31 - 6) | -0.0002 |
| 0.05 (12/17/2020) | 0.08 (6/26/2014) | (0.05 - 0.08)/(32 - 6) | -0.00115385 |
| 0.048 (3/18/2021) | 0.08 (6/26/2014) | (0.048 - 0.08)/(33 - 6) | -0.00118519 |
| 0.073 (5/5/2021) | 0.08 (6/26/2014) | (0.073 - 0.08)/(34 - 6) | -0.00025 |
| 0.98 (9/2/2021) | 0.08 (6/26/2014) | (0.98 - 0.08)/(35 - 6) | 0.0310345 |
| 0.108 (11/23/2021) | 0.08 (6/26/2014) | (0.108 - 0.08)/(36 - 6) | 0.000933333 |
| 0.068 (1/10/2022) | 0.08 (6/26/2014) | (0.068 - 0.08)/(37 - 6) | -0.000387097 |
| 0.033 (4/7/2022) | 0.08 (6/26/2014) | (0.033 - 0.08)/(38 - 6) | -0.00146875 |
| ND<0.03 U (8/3/2022) | 0.08 (6/26/2014) | (0.03 - 0.08)/(39 - 6) | -0.00151515 |
| 0.039 (11/16/2022) | 0.08 (6/26/2014) | (0.039 - 0.08)/(40 - 6) | -0.00120588 |
| 0.052 (2/13/2023) | 0.08 (6/26/2014) | (0.052 - 0.08)/(41 - 6) | -0.0008 |
| 0.044 (5/24/2023) | 0.08 (6/26/2014) | (0.044 - 0.08)/(42 - 6) | -0.001 |
| 0.032 (8/7/2023) | 0.08 (6/26/2014) | (0.032 - 0.08)/(43 - 6) | -0.0012973 |
| 0.041 (12/12/2023) | 0.08 (6/26/2014) | (0.041 - 0.08)/(44 - 6) | -0.00102632 |
| 0.087 (1/10/2024) | 0.08 (6/26/2014) | (0.087 - 0.08)/(45 - 6) | 0.000179487 |
| 0.021 (5/20/2024) | 0.08 (6/26/2014) | (0.021 - 0.08)/(46 - 6) | -0.001475 |
| 0.033 (9/16/2024) | 0.08 (6/26/2014) | (0.033 - 0.08)/(47 - 6) | -0.00114634 |

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|---|---|---|---|
| 0.155 (12/11/2024) | 0.08 (6/26/2014) | (0.155 - 0.08)/(48 - 6) | 0.00178571 |
| 0.054 (2/18/2025) | 0.08 (6/26/2014) | (0.054 - 0.08)/(49 - 6) | -0.000604651 |
| | | | |
| 0.075 (11/19/2014) | 0.031 (9/30/2014) | (0.075 - 0.031)/(8 - 7) | 0.044 |
| 0.11 (3/23/2015) | 0.031 (9/30/2014) | (0.11 - 0.031)/(9 - 7) | 0.0395 |
| ND<0.025 U (4/22/2015) | 0.031 (9/30/2014) | (0.025 - 0.031)/(10 - 7) | -0.002 |
| 0.088 (9/30/2015) | 0.031 (9/30/2014) | (0.088 - 0.031)/(11 - 7) | 0.01425 |
| 0.131 (11/19/2015) | 0.031 (9/30/2014) | (0.131 - 0.031)/(12 - 7) | 0.02 |
| 0.056 (3/15/2016) | 0.031 (9/30/2014) | (0.056 - 0.031)/(13 - 7) | 0.00416667 |
| 0.103 (6/29/2016) | 0.031 (9/30/2014) | (0.103 - 0.031)/(14 - 7) | 0.0102857 |
| 0.062 (8/9/2016) | 0.031 (9/30/2014) | (0.062 - 0.031)/(15 - 7) | 0.003875 |
| 0.078 (12/7/2016) | 0.031 (9/30/2014) | (0.078 - 0.031)/(16 - 7) | 0.00522222 |
| 0.092 (3/2/2017) | 0.031 (9/30/2014) | (0.092 - 0.031)/(17 - 7) | 0.0061 |
| 0.03 (6/21/2017) | 0.031 (9/30/2014) | (0.03 - 0.031)/(18 - 7) | -9.09091e-05 |
| 0.07 (8/17/2017) | 0.031 (9/30/2014) | (0.07 - 0.031)/(19 - 7) | 0.00325 |
| 0.054 (10/26/2017) | 0.031 (9/30/2014) | (0.054 - 0.031)/(20 - 7) | 0.00176923 |
| 0.044 (3/27/2018) | 0.031 (9/30/2014) | (0.044 - 0.031)/(21 - 7) | 0.000928571 |
| 0.044 (6/26/2018) | 0.031 (9/30/2014) | (0.044 - 0.031)/(22 - 7) | 0.000866667 |
| 0.233 (8/1/2018) | 0.031 (9/30/2014) | (0.233 - 0.031)/(23 - 7) | 0.012625 |
| 0.057 (12/11/2018) | 0.031 (9/30/2014) | (0.057 - 0.031)/(24 - 7) | 0.00152941 |
| 0.042 (4/17/2019) | 0.031 (9/30/2014) | (0.042 - 0.031)/(25 - 7) | 0.000611111 |
| 0.077 (6/11/2019) | 0.031 (9/30/2014) | (0.077 - 0.031)/(26 - 7) | 0.00242105 |
| ND<0.025 U (8/28/2019) | 0.031 (9/30/2014) | (0.025 - 0.031)/(27 - 7) | -0.0003 |
| 0.048 (10/28/2019) | 0.031 (9/30/2014) | (0.048 - 0.031)/(28 - 7) | 0.000809524 |
| 0.235 (3/31/2020) | 0.031 (9/30/2014) | (0.235 - 0.031)/(29 - 7) | 0.00927273 |
| 0.078 (6/10/2020) | 0.031 (9/30/2014) | (0.078 - 0.031)/(30 - 7) | 0.00204348 |
| 0.075 (9/21/2020) | 0.031 (9/30/2014) | (0.075 - 0.031)/(31 - 7) | 0.00183333 |
| 0.05 (12/17/2020) | 0.031 (9/30/2014) | (0.05 - 0.031)/(32 - 7) | 0.00076 |
| 0.048 (3/18/2021) | 0.031 (9/30/2014) | (0.048 - 0.031)/(33 - 7) | 0.000653846 |
| 0.073 (5/5/2021) | 0.031 (9/30/2014) | (0.073 - 0.031)/(34 - 7) | 0.00155556 |
| 0.98 (9/2/2021) | 0.031 (9/30/2014) | (0.98 - 0.031)/(35 - 7) | 0.0338929 |
| 0.108 (11/23/2021) | 0.031 (9/30/2014) | (0.108 - 0.031)/(36 - 7) | 0.00265517 |
| 0.068 (1/10/2022) | 0.031 (9/30/2014) | (0.068 - 0.031)/(37 - 7) | 0.00123333 |
| 0.033 (4/7/2022) | 0.031 (9/30/2014) | (0.033 - 0.031)/(38 - 7) | 6.45161e-05 |
| ND<0.03 U (8/3/2022) | 0.031 (9/30/2014) | (0.03 - 0.031)/(39 - 7) | -3.125e-05 |
| 0.039 (11/16/2022) | 0.031 (9/30/2014) | (0.039 - 0.031)/(40 - 7) | 0.000242424 |
| 0.052 (2/13/2023) | 0.031 (9/30/2014) | (0.052 - 0.031)/(41 - 7) | 0.000617647 |
| 0.044 (5/24/2023) | 0.031 (9/30/2014) | (0.044 - 0.031)/(42 - 7) | 0.000371429 |
| 0.032 (8/7/2023) | 0.031 (9/30/2014) | (0.032 - 0.031)/(43 - 7) | 2.77778e-05 |
| 0.041 (12/12/2023) | 0.031 (9/30/2014) | (0.041 - 0.031)/(44 - 7) | 0.00027027 |
| 0.087 (1/10/2024) | 0.031 (9/30/2014) | (0.087 - 0.031)/(45 - 7) | 0.00147368 |
| 0.021 (5/20/2024) | 0.031 (9/30/2014) | (0.021 - 0.031)/(46 - 7) | -0.00025641 |
| 0.033 (9/16/2024) | 0.031 (9/30/2014) | (0.033 - 0.031)/(47 - 7) | 5e-05 |
| 0.155 (12/11/2024) | 0.031 (9/30/2014) | (0.155 - 0.031)/(48 - 7) | 0.00302439 |
| 0.054 (2/18/2025) | 0.031 (9/30/2014) | (0.054 - 0.031)/(49 - 7) | 0.000547619 |
| | | | |
| 0.11 (3/23/2015) | 0.075 (11/19/2014) | (0.11 - 0.075)/(9 - 8) | 0.035 |
| ND<0.025 U (4/22/2015) | 0.075 (11/19/2014) | (0.025 - 0.075)/(10 - 8) | -0.025 |
| 0.088 (9/30/2015) | 0.075 (11/19/2014) | (0.088 - 0.075)/(11 - 8) | 0.00433333 |
| 0.131 (11/19/2015) | 0.075 (11/19/2014) | (0.131 - 0.075)/(12 - 8) | 0.014 |
| 0.056 (3/15/2016) | 0.075 (11/19/2014) | (0.056 - 0.075)/(13 - 8) | -0.0038 |
| 0.103 (6/29/2016) | 0.075 (11/19/2014) | (0.103 - 0.075)/(14 - 8) | 0.00466667 |
| 0.062 (8/9/2016) | 0.075 (11/19/2014) | (0.062 - 0.075)/(15 - 8) | -0.00185714 |
| 0.078 (12/7/2016) | 0.075 (11/19/2014) | (0.078 - 0.075)/(16 - 8) | 0.000375 |
| 0.092 (3/2/2017) | 0.075 (11/19/2014) | (0.092 - 0.075)/(17 - 8) | 0.00188889 |
| 0.03 (6/21/2017) | 0.075 (11/19/2014) | (0.03 - 0.075)/(18 - 8) | -0.0045 |
| 0.07 (8/17/2017) | 0.075 (11/19/2014) | (0.07 - 0.075)/(19 - 8) | -0.000454545 |

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|---|---|---|---|
| 0.054 (10/26/2017) | 0.075 (11/19/2014) | (0.054 - 0.075)/(20 - 8) | -0.00175 |
| 0.044 (3/27/2018) | 0.075 (11/19/2014) | (0.044 - 0.075)/(21 - 8) | -0.00238462 |
| 0.044 (6/26/2018) | 0.075 (11/19/2014) | (0.044 - 0.075)/(22 - 8) | -0.00221429 |
| 0.233 (8/1/2018) | 0.075 (11/19/2014) | (0.233 - 0.075)/(23 - 8) | 0.0105333 |
| 0.057 (12/11/2018) | 0.075 (11/19/2014) | (0.057 - 0.075)/(24 - 8) | -0.001125 |
| 0.042 (4/17/2019) | 0.075 (11/19/2014) | (0.042 - 0.075)/(25 - 8) | -0.00194118 |
| 0.077 (6/11/2019) | 0.075 (11/19/2014) | (0.077 - 0.075)/(26 - 8) | 0.000111111 |
| ND<0.025 U (8/28/2019) | 0.075 (11/19/2014) | (0.025 - 0.075)/(27 - 8) | -0.00263158 |
| 0.048 (10/28/2019) | 0.075 (11/19/2014) | (0.048 - 0.075)/(28 - 8) | -0.00135 |
| 0.235 (3/31/2020) | 0.075 (11/19/2014) | (0.235 - 0.075)/(29 - 8) | 0.00761905 |
| 0.078 (6/10/2020) | 0.075 (11/19/2014) | (0.078 - 0.075)/(30 - 8) | 0.000136364 |
| 0.075 (9/21/2020) | 0.075 (11/19/2014) | (0.075 - 0.075)/(31 - 8) | 0 |
| 0.05 (12/17/2020) | 0.075 (11/19/2014) | (0.05 - 0.075)/(32 - 8) | -0.00104167 |
| 0.048 (3/18/2021) | 0.075 (11/19/2014) | (0.048 - 0.075)/(33 - 8) | -0.00108 |
| 0.073 (5/5/2021) | 0.075 (11/19/2014) | (0.073 - 0.075)/(34 - 8) | -7.69231e-05 |
| 0.98 (9/2/2021) | 0.075 (11/19/2014) | (0.98 - 0.075)/(35 - 8) | 0.0335185 |
| 0.108 (11/23/2021) | 0.075 (11/19/2014) | (0.108 - 0.075)/(36 - 8) | 0.00117857 |
| 0.068 (1/10/2022) | 0.075 (11/19/2014) | (0.068 - 0.075)/(37 - 8) | -0.000241379 |
| 0.033 (4/7/2022) | 0.075 (11/19/2014) | (0.033 - 0.075)/(38 - 8) | -0.0014 |
| ND<0.03 U (8/3/2022) | 0.075 (11/19/2014) | (0.03 - 0.075)/(39 - 8) | -0.00145161 |
| 0.039 (11/16/2022) | 0.075 (11/19/2014) | (0.039 - 0.075)/(40 - 8) | -0.001125 |
| 0.052 (2/13/2023) | 0.075 (11/19/2014) | (0.052 - 0.075)/(41 - 8) | -0.00069697 |
| 0.044 (5/24/2023) | 0.075 (11/19/2014) | (0.044 - 0.075)/(42 - 8) | -0.000911765 |
| 0.032 (8/7/2023) | 0.075 (11/19/2014) | (0.032 - 0.075)/(43 - 8) | -0.00122857 |
| 0.041 (12/12/2023) | 0.075 (11/19/2014) | (0.041 - 0.075)/(44 - 8) | -0.000944444 |
| 0.087 (1/10/2024) | 0.075 (11/19/2014) | (0.087 - 0.075)/(45 - 8) | 0.000324324 |
| 0.021 (5/20/2024) | 0.075 (11/19/2014) | (0.021 - 0.075)/(46 - 8) | -0.00142105 |
| 0.033 (9/16/2024) | 0.075 (11/19/2014) | (0.033 - 0.075)/(47 - 8) | -0.00107692 |
| 0.155 (12/11/2024) | 0.075 (11/19/2014) | (0.155 - 0.075)/(48 - 8) | 0.002 |
| 0.054 (2/18/2025) | 0.075 (11/19/2014) | (0.054 - 0.075)/(49 - 8) | -0.000512195 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | 0.11 (3/23/2015) | (0.025 - 0.11)/(10 - 9) | -0.085 |
| 0.088 (9/30/2015) | 0.11 (3/23/2015) | (0.088 - 0.11)/(11 - 9) | -0.011 |
| 0.131 (11/19/2015) | 0.11 (3/23/2015) | (0.131 - 0.11)/(12 - 9) | 0.007 |
| 0.056 (3/15/2016) | 0.11 (3/23/2015) | (0.056 - 0.11)/(13 - 9) | -0.0135 |
| 0.103 (6/29/2016) | 0.11 (3/23/2015) | (0.103 - 0.11)/(14 - 9) | -0.0014 |
| 0.062 (8/9/2016) | 0.11 (3/23/2015) | (0.062 - 0.11)/(15 - 9) | -0.008 |
| 0.078 (12/7/2016) | 0.11 (3/23/2015) | (0.078 - 0.11)/(16 - 9) | -0.00457143 |
| 0.092 (3/2/2017) | 0.11 (3/23/2015) | (0.092 - 0.11)/(17 - 9) | -0.00225 |
| 0.03 (6/21/2017) | 0.11 (3/23/2015) | (0.03 - 0.11)/(18 - 9) | -0.00888889 |
| 0.07 (8/17/2017) | 0.11 (3/23/2015) | (0.07 - 0.11)/(19 - 9) | -0.004 |
| 0.054 (10/26/2017) | 0.11 (3/23/2015) | (0.054 - 0.11)/(20 - 9) | -0.00509091 |
| 0.044 (3/27/2018) | 0.11 (3/23/2015) | (0.044 - 0.11)/(21 - 9) | -0.0055 |
| 0.044 (6/26/2018) | 0.11 (3/23/2015) | (0.044 - 0.11)/(22 - 9) | -0.00507692 |
| 0.233 (8/1/2018) | 0.11 (3/23/2015) | (0.233 - 0.11)/(23 - 9) | 0.00878571 |
| 0.057 (12/11/2018) | 0.11 (3/23/2015) | (0.057 - 0.11)/(24 - 9) | -0.00353333 |
| 0.042 (4/17/2019) | 0.11 (3/23/2015) | (0.042 - 0.11)/(25 - 9) | -0.00425 |
| 0.077 (6/11/2019) | 0.11 (3/23/2015) | (0.077 - 0.11)/(26 - 9) | -0.00194118 |
| ND<0.025 U (8/28/2019) | 0.11 (3/23/2015) | (0.025 - 0.11)/(27 - 9) | -0.00472222 |
| 0.048 (10/28/2019) | 0.11 (3/23/2015) | (0.048 - 0.11)/(28 - 9) | -0.00326316 |
| 0.235 (3/31/2020) | 0.11 (3/23/2015) | (0.235 - 0.11)/(29 - 9) | 0.00625 |
| 0.078 (6/10/2020) | 0.11 (3/23/2015) | (0.078 - 0.11)/(30 - 9) | -0.00152381 |
| 0.075 (9/21/2020) | 0.11 (3/23/2015) | (0.075 - 0.11)/(31 - 9) | -0.00159091 |
| 0.05 (12/17/2020) | 0.11 (3/23/2015) | (0.05 - 0.11)/(32 - 9) | -0.0026087 |
| 0.048 (3/18/2021) | 0.11 (3/23/2015) | (0.048 - 0.11)/(33 - 9) | -0.00258333 |
| 0.073 (5/5/2021) | 0.11 (3/23/2015) | (0.073 - 0.11)/(34 - 9) | -0.00148 |
| 0.98 (9/2/2021) | 0.11 (3/23/2015) | (0.98 - 0.11)/(35 - 9) | 0.0334615 |

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|---|---|---|---|
| 0.108 (11/23/2021) | 0.11 (3/23/2015) | (0.108 - 0.11)/(36 - 9) | -7.40741e-05 |
| 0.068 (1/10/2022) | 0.11 (3/23/2015) | (0.068 - 0.11)/(37 - 9) | -0.0015 |
| 0.033 (4/7/2022) | 0.11 (3/23/2015) | (0.033 - 0.11)/(38 - 9) | -0.00265517 |
| ND<0.03 U (8/3/2022) | 0.11 (3/23/2015) | (0.03 - 0.11)/(39 - 9) | -0.00266667 |
| 0.039 (11/16/2022) | 0.11 (3/23/2015) | (0.039 - 0.11)/(40 - 9) | -0.00229032 |
| 0.052 (2/13/2023) | 0.11 (3/23/2015) | (0.052 - 0.11)/(41 - 9) | -0.0018125 |
| 0.044 (5/24/2023) | 0.11 (3/23/2015) | (0.044 - 0.11)/(42 - 9) | -0.002 |
| 0.032 (8/7/2023) | 0.11 (3/23/2015) | (0.032 - 0.11)/(43 - 9) | -0.00229412 |
| 0.041 (12/12/2023) | 0.11 (3/23/2015) | (0.041 - 0.11)/(44 - 9) | -0.00197143 |
| 0.087 (1/10/2024) | 0.11 (3/23/2015) | (0.087 - 0.11)/(45 - 9) | -0.000638889 |
| 0.021 (5/20/2024) | 0.11 (3/23/2015) | (0.021 - 0.11)/(46 - 9) | -0.00240541 |
| 0.033 (9/16/2024) | 0.11 (3/23/2015) | (0.033 - 0.11)/(47 - 9) | -0.00202632 |
| 0.155 (12/11/2024) | 0.11 (3/23/2015) | (0.155 - 0.11)/(48 - 9) | 0.00115385 |
| 0.054 (2/18/2025) | 0.11 (3/23/2015) | (0.054 - 0.11)/(49 - 9) | -0.0014 |
| | | | |
| 0.088 (9/30/2015) | ND<0.025 U (4/22/2015) | (0.088 - 0.025)/(11 - 10) | 0.063 |
| 0.131 (11/19/2015) | ND<0.025 U (4/22/2015) | (0.131 - 0.025)/(12 - 10) | 0.053 |
| 0.056 (3/15/2016) | ND<0.025 U (4/22/2015) | (0.056 - 0.025)/(13 - 10) | 0.0103333 |
| 0.103 (6/29/2016) | ND<0.025 U (4/22/2015) | (0.103 - 0.025)/(14 - 10) | 0.0195 |
| 0.062 (8/9/2016) | ND<0.025 U (4/22/2015) | (0.062 - 0.025)/(15 - 10) | 0.0074 |
| 0.078 (12/7/2016) | ND<0.025 U (4/22/2015) | (0.078 - 0.025)/(16 - 10) | 0.00883333 |
| 0.092 (3/2/2017) | ND<0.025 U (4/22/2015) | (0.092 - 0.025)/(17 - 10) | 0.00957143 |
| 0.03 (6/21/2017) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(18 - 10) | 0.000625 |
| 0.07 (8/17/2017) | ND<0.025 U (4/22/2015) | (0.07 - 0.025)/(19 - 10) | 0.005 |
| 0.054 (10/26/2017) | ND<0.025 U (4/22/2015) | (0.054 - 0.025)/(20 - 10) | 0.0029 |
| 0.044 (3/27/2018) | ND<0.025 U (4/22/2015) | (0.044 - 0.025)/(21 - 10) | 0.00172727 |
| 0.044 (6/26/2018) | ND<0.025 U (4/22/2015) | (0.044 - 0.025)/(22 - 10) | 0.00158333 |
| 0.233 (8/1/2018) | ND<0.025 U (4/22/2015) | (0.233 - 0.025)/(23 - 10) | 0.016 |
| 0.057 (12/11/2018) | ND<0.025 U (4/22/2015) | (0.057 - 0.025)/(24 - 10) | 0.00228571 |
| 0.042 (4/17/2019) | ND<0.025 U (4/22/2015) | (0.042 - 0.025)/(25 - 10) | 0.00113333 |
| 0.077 (6/11/2019) | ND<0.025 U (4/22/2015) | (0.077 - 0.025)/(26 - 10) | 0.00325 |
| ND<0.025 U (8/28/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| 0.048 (10/28/2019) | ND<0.025 U (4/22/2015) | (0.048 - 0.025)/(28 - 10) | 0.00127778 |
| 0.235 (3/31/2020) | ND<0.025 U (4/22/2015) | (0.235 - 0.025)/(29 - 10) | 0.0110526 |
| 0.078 (6/10/2020) | ND<0.025 U (4/22/2015) | (0.078 - 0.025)/(30 - 10) | 0.00265 |
| 0.075 (9/21/2020) | ND<0.025 U (4/22/2015) | (0.075 - 0.025)/(31 - 10) | 0.00238095 |
| 0.05 (12/17/2020) | ND<0.025 U (4/22/2015) | (0.05 - 0.025)/(32 - 10) | 0.00113636 |
| 0.048 (3/18/2021) | ND<0.025 U (4/22/2015) | (0.048 - 0.025)/(33 - 10) | 0.001 |
| 0.073 (5/5/2021) | ND<0.025 U (4/22/2015) | (0.073 - 0.025)/(34 - 10) | 0.002 |
| 0.98 (9/2/2021) | ND<0.025 U (4/22/2015) | (0.98 - 0.025)/(35 - 10) | 0.0382 |
| 0.108 (11/23/2021) | ND<0.025 U (4/22/2015) | (0.108 - 0.025)/(36 - 10) | 0.00319231 |
| 0.068 (1/10/2022) | ND<0.025 U (4/22/2015) | (0.068 - 0.025)/(37 - 10) | 0.00159259 |
| 0.033 (4/7/2022) | ND<0.025 U (4/22/2015) | (0.033 - 0.025)/(38 - 10) | 0.000285714 |
| ND<0.03 U (8/3/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| 0.039 (11/16/2022) | ND<0.025 U (4/22/2015) | (0.039 - 0.025)/(40 - 10) | 0.000466667 |
| 0.052 (2/13/2023) | ND<0.025 U (4/22/2015) | (0.052 - 0.025)/(41 - 10) | 0.000870968 |
| 0.044 (5/24/2023) | ND<0.025 U (4/22/2015) | (0.044 - 0.025)/(42 - 10) | 0.00059375 |
| 0.032 (8/7/2023) | ND<0.025 U (4/22/2015) | (0.032 - 0.025)/(43 - 10) | 0.000212121 |
| 0.041 (12/12/2023) | ND<0.025 U (4/22/2015) | (0.041 - 0.025)/(44 - 10) | 0.000470588 |
| 0.087 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.087 - 0.025)/(45 - 10) | 0.00177143 |
| 0.021 (5/20/2024) | ND<0.025 U (4/22/2015) | (0.021 - 0.025)/(46 - 10) | -0.000111111 |
| 0.033 (9/16/2024) | ND<0.025 U (4/22/2015) | (0.033 - 0.025)/(47 - 10) | 0.000216216 |
| 0.155 (12/11/2024) | ND<0.025 U (4/22/2015) | (0.155 - 0.025)/(48 - 10) | 0.00342105 |
| 0.054 (2/18/2025) | ND<0.025 U (4/22/2015) | (0.054 - 0.025)/(49 - 10) | 0.00074359 |
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| 0.131 (11/19/2015) | 0.088 (9/30/2015) | (0.131 - 0.088)/(12 - 11) | 0.043 |
| 0.056 (3/15/2016) | 0.088 (9/30/2015) | (0.056 - 0.088)/(13 - 11) | -0.016 |

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|---|---|---|---|
| 0.103 (6/29/2016) | 0.088 (9/30/2015) | (0.103 - 0.088)/(14 - 11) | 0.005 |
| 0.062 (8/9/2016) | 0.088 (9/30/2015) | (0.062 - 0.088)/(15 - 11) | -0.0065 |
| 0.078 (12/7/2016) | 0.088 (9/30/2015) | (0.078 - 0.088)/(16 - 11) | -0.002 |
| 0.092 (3/2/2017) | 0.088 (9/30/2015) | (0.092 - 0.088)/(17 - 11) | 0.000666667 |
| 0.03 (6/21/2017) | 0.088 (9/30/2015) | (0.03 - 0.088)/(18 - 11) | -0.00828571 |
| 0.07 (8/17/2017) | 0.088 (9/30/2015) | (0.07 - 0.088)/(19 - 11) | -0.00225 |
| 0.054 (10/26/2017) | 0.088 (9/30/2015) | (0.054 - 0.088)/(20 - 11) | -0.00377778 |
| 0.044 (3/27/2018) | 0.088 (9/30/2015) | (0.044 - 0.088)/(21 - 11) | -0.0044 |
| 0.044 (6/26/2018) | 0.088 (9/30/2015) | (0.044 - 0.088)/(22 - 11) | -0.004 |
| 0.233 (8/1/2018) | 0.088 (9/30/2015) | (0.233 - 0.088)/(23 - 11) | 0.0120833 |
| 0.057 (12/11/2018) | 0.088 (9/30/2015) | (0.057 - 0.088)/(24 - 11) | -0.00238462 |
| 0.042 (4/17/2019) | 0.088 (9/30/2015) | (0.042 - 0.088)/(25 - 11) | -0.00328571 |
| 0.077 (6/11/2019) | 0.088 (9/30/2015) | (0.077 - 0.088)/(26 - 11) | -0.000733333 |
| ND<0.025 U (8/28/2019) | 0.088 (9/30/2015) | (0.025 - 0.088)/(27 - 11) | -0.0039375 |
| 0.048 (10/28/2019) | 0.088 (9/30/2015) | (0.048 - 0.088)/(28 - 11) | -0.00235294 |
| 0.235 (3/31/2020) | 0.088 (9/30/2015) | (0.235 - 0.088)/(29 - 11) | 0.00816667 |
| 0.078 (6/10/2020) | 0.088 (9/30/2015) | (0.078 - 0.088)/(30 - 11) | -0.000526316 |
| 0.075 (9/21/2020) | 0.088 (9/30/2015) | (0.075 - 0.088)/(31 - 11) | -0.00065 |
| 0.05 (12/17/2020) | 0.088 (9/30/2015) | (0.05 - 0.088)/(32 - 11) | -0.00180952 |
| 0.048 (3/18/2021) | 0.088 (9/30/2015) | (0.048 - 0.088)/(33 - 11) | -0.00181818 |
| 0.073 (5/5/2021) | 0.088 (9/30/2015) | (0.073 - 0.088)/(34 - 11) | -0.000652174 |
| 0.98 (9/2/2021) | 0.088 (9/30/2015) | (0.98 - 0.088)/(35 - 11) | 0.0371667 |
| 0.108 (11/23/2021) | 0.088 (9/30/2015) | (0.108 - 0.088)/(36 - 11) | 0.0008 |
| 0.068 (1/10/2022) | 0.088 (9/30/2015) | (0.068 - 0.088)/(37 - 11) | -0.000769231 |
| 0.033 (4/7/2022) | 0.088 (9/30/2015) | (0.033 - 0.088)/(38 - 11) | -0.00203704 |
| ND<0.03 U (8/3/2022) | 0.088 (9/30/2015) | (0.03 - 0.088)/(39 - 11) | -0.00207143 |
| 0.039 (11/16/2022) | 0.088 (9/30/2015) | (0.039 - 0.088)/(40 - 11) | -0.00168966 |
| 0.052 (2/13/2023) | 0.088 (9/30/2015) | (0.052 - 0.088)/(41 - 11) | -0.0012 |
| 0.044 (5/24/2023) | 0.088 (9/30/2015) | (0.044 - 0.088)/(42 - 11) | -0.00141935 |
| 0.032 (8/7/2023) | 0.088 (9/30/2015) | (0.032 - 0.088)/(43 - 11) | -0.00175 |
| 0.041 (12/12/2023) | 0.088 (9/30/2015) | (0.041 - 0.088)/(44 - 11) | -0.00142424 |
| 0.087 (1/10/2024) | 0.088 (9/30/2015) | (0.087 - 0.088)/(45 - 11) | -2.94118e-05 |
| 0.021 (5/20/2024) | 0.088 (9/30/2015) | (0.021 - 0.088)/(46 - 11) | -0.00191429 |
| 0.033 (9/16/2024) | 0.088 (9/30/2015) | (0.033 - 0.088)/(47 - 11) | -0.00152778 |
| 0.155 (12/11/2024) | 0.088 (9/30/2015) | (0.155 - 0.088)/(48 - 11) | 0.00181081 |
| 0.054 (2/18/2025) | 0.088 (9/30/2015) | (0.054 - 0.088)/(49 - 11) | -0.000894737 |
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| 0.056 (3/15/2016) | 0.131 (11/19/2015) | (0.056 - 0.131)/(13 - 12) | -0.075 |
| 0.103 (6/29/2016) | 0.131 (11/19/2015) | (0.103 - 0.131)/(14 - 12) | -0.014 |
| 0.062 (8/9/2016) | 0.131 (11/19/2015) | (0.062 - 0.131)/(15 - 12) | -0.023 |
| 0.078 (12/7/2016) | 0.131 (11/19/2015) | (0.078 - 0.131)/(16 - 12) | -0.01325 |
| 0.092 (3/2/2017) | 0.131 (11/19/2015) | (0.092 - 0.131)/(17 - 12) | -0.0078 |
| 0.03 (6/21/2017) | 0.131 (11/19/2015) | (0.03 - 0.131)/(18 - 12) | -0.0168333 |
| 0.07 (8/17/2017) | 0.131 (11/19/2015) | (0.07 - 0.131)/(19 - 12) | -0.00871429 |
| 0.054 (10/26/2017) | 0.131 (11/19/2015) | (0.054 - 0.131)/(20 - 12) | -0.009625 |
| 0.044 (3/27/2018) | 0.131 (11/19/2015) | (0.044 - 0.131)/(21 - 12) | -0.00966667 |
| 0.044 (6/26/2018) | 0.131 (11/19/2015) | (0.044 - 0.131)/(22 - 12) | -0.0087 |
| 0.233 (8/1/2018) | 0.131 (11/19/2015) | (0.233 - 0.131)/(23 - 12) | 0.00927273 |
| 0.057 (12/11/2018) | 0.131 (11/19/2015) | (0.057 - 0.131)/(24 - 12) | -0.00616667 |
| 0.042 (4/17/2019) | 0.131 (11/19/2015) | (0.042 - 0.131)/(25 - 12) | -0.00684615 |
| 0.077 (6/11/2019) | 0.131 (11/19/2015) | (0.077 - 0.131)/(26 - 12) | -0.00385714 |
| ND<0.025 U (8/28/2019) | 0.131 (11/19/2015) | (0.025 - 0.131)/(27 - 12) | -0.00706667 |
| 0.048 (10/28/2019) | 0.131 (11/19/2015) | (0.048 - 0.131)/(28 - 12) | -0.0051875 |
| 0.235 (3/31/2020) | 0.131 (11/19/2015) | (0.235 - 0.131)/(29 - 12) | 0.00611765 |
| 0.078 (6/10/2020) | 0.131 (11/19/2015) | (0.078 - 0.131)/(30 - 12) | -0.00294444 |
| 0.075 (9/21/2020) | 0.131 (11/19/2015) | (0.075 - 0.131)/(31 - 12) | -0.00294737 |
| 0.05 (12/17/2020) | 0.131 (11/19/2015) | (0.05 - 0.131)/(32 - 12) | -0.00405 |

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|---|---|---|---|
| 0.048 (3/18/2021) | 0.131 (11/19/2015) | (0.048 - 0.131)/(33 - 12) | -0.00395238 |
| 0.073 (5/5/2021) | 0.131 (11/19/2015) | (0.073 - 0.131)/(34 - 12) | -0.00263636 |
| 0.98 (9/2/2021) | 0.131 (11/19/2015) | (0.98 - 0.131)/(35 - 12) | 0.036913 |
| 0.108 (11/23/2021) | 0.131 (11/19/2015) | (0.108 - 0.131)/(36 - 12) | -0.000958333 |
| 0.068 (1/10/2022) | 0.131 (11/19/2015) | (0.068 - 0.131)/(37 - 12) | -0.00252 |
| 0.033 (4/7/2022) | 0.131 (11/19/2015) | (0.033 - 0.131)/(38 - 12) | -0.00376923 |
| ND<0.03 U (8/3/2022) | 0.131 (11/19/2015) | (0.03 - 0.131)/(39 - 12) | -0.00374074 |
| 0.039 (11/16/2022) | 0.131 (11/19/2015) | (0.039 - 0.131)/(40 - 12) | -0.00328571 |
| 0.052 (2/13/2023) | 0.131 (11/19/2015) | (0.052 - 0.131)/(41 - 12) | -0.00272414 |
| 0.044 (5/24/2023) | 0.131 (11/19/2015) | (0.044 - 0.131)/(42 - 12) | -0.0029 |
| 0.032 (8/7/2023) | 0.131 (11/19/2015) | (0.032 - 0.131)/(43 - 12) | -0.00319355 |
| 0.041 (12/12/2023) | 0.131 (11/19/2015) | (0.041 - 0.131)/(44 - 12) | -0.0028125 |
| 0.087 (1/10/2024) | 0.131 (11/19/2015) | (0.087 - 0.131)/(45 - 12) | -0.00133333 |
| 0.021 (5/20/2024) | 0.131 (11/19/2015) | (0.021 - 0.131)/(46 - 12) | -0.00323529 |
| 0.033 (9/16/2024) | 0.131 (11/19/2015) | (0.033 - 0.131)/(47 - 12) | -0.0028 |
| 0.155 (12/11/2024) | 0.131 (11/19/2015) | (0.155 - 0.131)/(48 - 12) | 0.000666667 |
| 0.054 (2/18/2025) | 0.131 (11/19/2015) | (0.054 - 0.131)/(49 - 12) | -0.00208108 |
| | | | |
| 0.103 (6/29/2016) | 0.056 (3/15/2016) | (0.103 - 0.056)/(14 - 13) | 0.047 |
| 0.062 (8/9/2016) | 0.056 (3/15/2016) | (0.062 - 0.056)/(15 - 13) | 0.003 |
| 0.078 (12/7/2016) | 0.056 (3/15/2016) | (0.078 - 0.056)/(16 - 13) | 0.00733333 |
| 0.092 (3/2/2017) | 0.056 (3/15/2016) | (0.092 - 0.056)/(17 - 13) | 0.009 |
| 0.03 (6/21/2017) | 0.056 (3/15/2016) | (0.03 - 0.056)/(18 - 13) | -0.0052 |
| 0.07 (8/17/2017) | 0.056 (3/15/2016) | (0.07 - 0.056)/(19 - 13) | 0.00233333 |
| 0.054 (10/26/2017) | 0.056 (3/15/2016) | (0.054 - 0.056)/(20 - 13) | -0.000285714 |
| 0.044 (3/27/2018) | 0.056 (3/15/2016) | (0.044 - 0.056)/(21 - 13) | -0.0015 |
| 0.044 (6/26/2018) | 0.056 (3/15/2016) | (0.044 - 0.056)/(22 - 13) | -0.00133333 |
| 0.233 (8/1/2018) | 0.056 (3/15/2016) | (0.233 - 0.056)/(23 - 13) | 0.0177 |
| 0.057 (12/11/2018) | 0.056 (3/15/2016) | (0.057 - 0.056)/(24 - 13) | 9.09091e-05 |
| 0.042 (4/17/2019) | 0.056 (3/15/2016) | (0.042 - 0.056)/(25 - 13) | -0.00116667 |
| 0.077 (6/11/2019) | 0.056 (3/15/2016) | (0.077 - 0.056)/(26 - 13) | 0.00161538 |
| ND<0.025 U (8/28/2019) | 0.056 (3/15/2016) | (0.025 - 0.056)/(27 - 13) | -0.00221429 |
| 0.048 (10/28/2019) | 0.056 (3/15/2016) | (0.048 - 0.056)/(28 - 13) | -0.000533333 |
| 0.235 (3/31/2020) | 0.056 (3/15/2016) | (0.235 - 0.056)/(29 - 13) | 0.0111875 |
| 0.078 (6/10/2020) | 0.056 (3/15/2016) | (0.078 - 0.056)/(30 - 13) | 0.00129412 |
| 0.075 (9/21/2020) | 0.056 (3/15/2016) | (0.075 - 0.056)/(31 - 13) | 0.00105556 |
| 0.05 (12/17/2020) | 0.056 (3/15/2016) | (0.05 - 0.056)/(32 - 13) | -0.000315789 |
| 0.048 (3/18/2021) | 0.056 (3/15/2016) | (0.048 - 0.056)/(33 - 13) | -0.0004 |
| 0.073 (5/5/2021) | 0.056 (3/15/2016) | (0.073 - 0.056)/(34 - 13) | 0.000809524 |
| 0.98 (9/2/2021) | 0.056 (3/15/2016) | (0.98 - 0.056)/(35 - 13) | 0.042 |
| 0.108 (11/23/2021) | 0.056 (3/15/2016) | (0.108 - 0.056)/(36 - 13) | 0.00226087 |
| 0.068 (1/10/2022) | 0.056 (3/15/2016) | (0.068 - 0.056)/(37 - 13) | 0.0005 |
| 0.033 (4/7/2022) | 0.056 (3/15/2016) | (0.033 - 0.056)/(38 - 13) | -0.00092 |
| ND<0.03 U (8/3/2022) | 0.056 (3/15/2016) | (0.03 - 0.056)/(39 - 13) | -0.001 |
| 0.039 (11/16/2022) | 0.056 (3/15/2016) | (0.039 - 0.056)/(40 - 13) | -0.00062963 |
| 0.052 (2/13/2023) | 0.056 (3/15/2016) | (0.052 - 0.056)/(41 - 13) | -0.000142857 |
| 0.044 (5/24/2023) | 0.056 (3/15/2016) | (0.044 - 0.056)/(42 - 13) | -0.000413793 |
| 0.032 (8/7/2023) | 0.056 (3/15/2016) | (0.032 - 0.056)/(43 - 13) | -0.0008 |
| 0.041 (12/12/2023) | 0.056 (3/15/2016) | (0.041 - 0.056)/(44 - 13) | -0.000483871 |
| 0.087 (1/10/2024) | 0.056 (3/15/2016) | (0.087 - 0.056)/(45 - 13) | 0.00096875 |
| 0.021 (5/20/2024) | 0.056 (3/15/2016) | (0.021 - 0.056)/(46 - 13) | -0.00106061 |
| 0.033 (9/16/2024) | 0.056 (3/15/2016) | (0.033 - 0.056)/(47 - 13) | -0.000676471 |
| 0.155 (12/11/2024) | 0.056 (3/15/2016) | (0.155 - 0.056)/(48 - 13) | 0.00282857 |
| 0.054 (2/18/2025) | 0.056 (3/15/2016) | (0.054 - 0.056)/(49 - 13) | -5.55556e-05 |
| | | | |
| 0.062 (8/9/2016) | 0.103 (6/29/2016) | (0.062 - 0.103)/(15 - 14) | -0.041 |
| 0.078 (12/7/2016) | 0.103 (6/29/2016) | (0.078 - 0.103)/(16 - 14) | -0.0125 |

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| 0.092 (3/2/2017) | 0.103 (6/29/2016) | (0.092 - 0.103)/(17 - 14) | -0.00366667 |
| 0.03 (6/21/2017) | 0.103 (6/29/2016) | (0.03 - 0.103)/(18 - 14) | -0.01825 |
| 0.07 (8/17/2017) | 0.103 (6/29/2016) | (0.07 - 0.103)/(19 - 14) | -0.0066 |
| 0.054 (10/26/2017) | 0.103 (6/29/2016) | (0.054 - 0.103)/(20 - 14) | -0.00816667 |
| 0.044 (3/27/2018) | 0.103 (6/29/2016) | (0.044 - 0.103)/(21 - 14) | -0.00842857 |
| 0.044 (6/26/2018) | 0.103 (6/29/2016) | (0.044 - 0.103)/(22 - 14) | -0.007375 |
| 0.233 (8/1/2018) | 0.103 (6/29/2016) | (0.233 - 0.103)/(23 - 14) | 0.0144444 |
| 0.057 (12/11/2018) | 0.103 (6/29/2016) | (0.057 - 0.103)/(24 - 14) | -0.0046 |
| 0.042 (4/17/2019) | 0.103 (6/29/2016) | (0.042 - 0.103)/(25 - 14) | -0.00554545 |
| 0.077 (6/11/2019) | 0.103 (6/29/2016) | (0.077 - 0.103)/(26 - 14) | -0.00216667 |
| ND<0.025 U (8/28/2019) | 0.103 (6/29/2016) | (0.025 - 0.103)/(27 - 14) | -0.006 |
| 0.048 (10/28/2019) | 0.103 (6/29/2016) | (0.048 - 0.103)/(28 - 14) | -0.00392857 |
| 0.235 (3/31/2020) | 0.103 (6/29/2016) | (0.235 - 0.103)/(29 - 14) | 0.0088 |
| 0.078 (6/10/2020) | 0.103 (6/29/2016) | (0.078 - 0.103)/(30 - 14) | -0.0015625 |
| 0.075 (9/21/2020) | 0.103 (6/29/2016) | (0.075 - 0.103)/(31 - 14) | -0.00164706 |
| 0.05 (12/17/2020) | 0.103 (6/29/2016) | (0.05 - 0.103)/(32 - 14) | -0.00294444 |
| 0.048 (3/18/2021) | 0.103 (6/29/2016) | (0.048 - 0.103)/(33 - 14) | -0.00289474 |
| 0.073 (5/5/2021) | 0.103 (6/29/2016) | (0.073 - 0.103)/(34 - 14) | -0.0015 |
| 0.98 (9/2/2021) | 0.103 (6/29/2016) | (0.98 - 0.103)/(35 - 14) | 0.0417619 |
| 0.108 (11/23/2021) | 0.103 (6/29/2016) | (0.108 - 0.103)/(36 - 14) | 0.000227273 |
| 0.068 (1/10/2022) | 0.103 (6/29/2016) | (0.068 - 0.103)/(37 - 14) | -0.00152174 |
| 0.033 (4/7/2022) | 0.103 (6/29/2016) | (0.033 - 0.103)/(38 - 14) | -0.00291667 |
| ND<0.03 U (8/3/2022) | 0.103 (6/29/2016) | (0.03 - 0.103)/(39 - 14) | -0.00292 |
| 0.039 (11/16/2022) | 0.103 (6/29/2016) | (0.039 - 0.103)/(40 - 14) | -0.00246154 |
| 0.052 (2/13/2023) | 0.103 (6/29/2016) | (0.052 - 0.103)/(41 - 14) | -0.00188889 |
| 0.044 (5/24/2023) | 0.103 (6/29/2016) | (0.044 - 0.103)/(42 - 14) | -0.00210714 |
| 0.032 (8/7/2023) | 0.103 (6/29/2016) | (0.032 - 0.103)/(43 - 14) | -0.00244828 |
| 0.041 (12/12/2023) | 0.103 (6/29/2016) | (0.041 - 0.103)/(44 - 14) | -0.00206667 |
| 0.087 (1/10/2024) | 0.103 (6/29/2016) | (0.087 - 0.103)/(45 - 14) | -0.000516129 |
| 0.021 (5/20/2024) | 0.103 (6/29/2016) | (0.021 - 0.103)/(46 - 14) | -0.0025625 |
| 0.033 (9/16/2024) | 0.103 (6/29/2016) | (0.033 - 0.103)/(47 - 14) | -0.00212121 |
| 0.155 (12/11/2024) | 0.103 (6/29/2016) | (0.155 - 0.103)/(48 - 14) | 0.00152941 |
| 0.054 (2/18/2025) | 0.103 (6/29/2016) | (0.054 - 0.103)/(49 - 14) | -0.0014 |
| | | | |
| 0.078 (12/7/2016) | 0.062 (8/9/2016) | (0.078 - 0.062)/(16 - 15) | 0.016 |
| 0.092 (3/2/2017) | 0.062 (8/9/2016) | (0.092 - 0.062)/(17 - 15) | 0.015 |
| 0.03 (6/21/2017) | 0.062 (8/9/2016) | (0.03 - 0.062)/(18 - 15) | -0.0106667 |
| 0.07 (8/17/2017) | 0.062 (8/9/2016) | (0.07 - 0.062)/(19 - 15) | 0.002 |
| 0.054 (10/26/2017) | 0.062 (8/9/2016) | (0.054 - 0.062)/(20 - 15) | -0.0016 |
| 0.044 (3/27/2018) | 0.062 (8/9/2016) | (0.044 - 0.062)/(21 - 15) | -0.003 |
| 0.044 (6/26/2018) | 0.062 (8/9/2016) | (0.044 - 0.062)/(22 - 15) | -0.00257143 |
| 0.233 (8/1/2018) | 0.062 (8/9/2016) | (0.233 - 0.062)/(23 - 15) | 0.021375 |
| 0.057 (12/11/2018) | 0.062 (8/9/2016) | (0.057 - 0.062)/(24 - 15) | -0.000555556 |
| 0.042 (4/17/2019) | 0.062 (8/9/2016) | (0.042 - 0.062)/(25 - 15) | -0.002 |
| 0.077 (6/11/2019) | 0.062 (8/9/2016) | (0.077 - 0.062)/(26 - 15) | 0.00136364 |
| ND<0.025 U (8/28/2019) | 0.062 (8/9/2016) | (0.025 - 0.062)/(27 - 15) | -0.00308333 |
| 0.048 (10/28/2019) | 0.062 (8/9/2016) | (0.048 - 0.062)/(28 - 15) | -0.00107692 |
| 0.235 (3/31/2020) | 0.062 (8/9/2016) | (0.235 - 0.062)/(29 - 15) | 0.0123571 |
| 0.078 (6/10/2020) | 0.062 (8/9/2016) | (0.078 - 0.062)/(30 - 15) | 0.00106667 |
| 0.075 (9/21/2020) | 0.062 (8/9/2016) | (0.075 - 0.062)/(31 - 15) | 0.0008125 |
| 0.05 (12/17/2020) | 0.062 (8/9/2016) | (0.05 - 0.062)/(32 - 15) | -0.000705882 |
| 0.048 (3/18/2021) | 0.062 (8/9/2016) | (0.048 - 0.062)/(33 - 15) | -0.000777778 |
| 0.073 (5/5/2021) | 0.062 (8/9/2016) | (0.073 - 0.062)/(34 - 15) | 0.000578947 |
| 0.98 (9/2/2021) | 0.062 (8/9/2016) | (0.98 - 0.062)/(35 - 15) | 0.0459 |
| 0.108 (11/23/2021) | 0.062 (8/9/2016) | (0.108 - 0.062)/(36 - 15) | 0.00219048 |
| 0.068 (1/10/2022) | 0.062 (8/9/2016) | (0.068 - 0.062)/(37 - 15) | 0.000272727 |
| 0.033 (4/7/2022) | 0.062 (8/9/2016) | (0.033 - 0.062)/(38 - 15) | -0.00126087 |

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| ND<0.03 U (8/3/2022) | 0.062 (8/9/2016) | (0.03 - 0.062)/(39 - 15) | -0.00133333 |
| 0.039 (11/16/2022) | 0.062 (8/9/2016) | (0.039 - 0.062)/(40 - 15) | -0.00092 |
| 0.052 (2/13/2023) | 0.062 (8/9/2016) | (0.052 - 0.062)/(41 - 15) | -0.000384615 |
| 0.044 (5/24/2023) | 0.062 (8/9/2016) | (0.044 - 0.062)/(42 - 15) | -0.000666667 |
| 0.032 (8/7/2023) | 0.062 (8/9/2016) | (0.032 - 0.062)/(43 - 15) | -0.00107143 |
| 0.041 (12/12/2023) | 0.062 (8/9/2016) | (0.041 - 0.062)/(44 - 15) | -0.000724138 |
| 0.087 (1/10/2024) | 0.062 (8/9/2016) | (0.087 - 0.062)/(45 - 15) | 0.000833333 |
| 0.021 (5/20/2024) | 0.062 (8/9/2016) | (0.021 - 0.062)/(46 - 15) | -0.00132258 |
| 0.033 (9/16/2024) | 0.062 (8/9/2016) | (0.033 - 0.062)/(47 - 15) | -0.00090625 |
| 0.155 (12/11/2024) | 0.062 (8/9/2016) | (0.155 - 0.062)/(48 - 15) | 0.00281818 |
| 0.054 (2/18/2025) | 0.062 (8/9/2016) | (0.054 - 0.062)/(49 - 15) | -0.000235294 |
| | | | |
| 0.092 (3/2/2017) | 0.078 (12/7/2016) | (0.092 - 0.078)/(17 - 16) | 0.014 |
| 0.03 (6/21/2017) | 0.078 (12/7/2016) | (0.03 - 0.078)/(18 - 16) | -0.024 |
| 0.07 (8/17/2017) | 0.078 (12/7/2016) | (0.07 - 0.078)/(19 - 16) | -0.00266667 |
| 0.054 (10/26/2017) | 0.078 (12/7/2016) | (0.054 - 0.078)/(20 - 16) | -0.006 |
| 0.044 (3/27/2018) | 0.078 (12/7/2016) | (0.044 - 0.078)/(21 - 16) | -0.0068 |
| 0.044 (6/26/2018) | 0.078 (12/7/2016) | (0.044 - 0.078)/(22 - 16) | -0.00566667 |
| 0.233 (8/1/2018) | 0.078 (12/7/2016) | (0.233 - 0.078)/(23 - 16) | 0.0221429 |
| 0.057 (12/11/2018) | 0.078 (12/7/2016) | (0.057 - 0.078)/(24 - 16) | -0.002625 |
| 0.042 (4/17/2019) | 0.078 (12/7/2016) | (0.042 - 0.078)/(25 - 16) | -0.004 |
| 0.077 (6/11/2019) | 0.078 (12/7/2016) | (0.077 - 0.078)/(26 - 16) | -0.0001 |
| ND<0.025 U (8/28/2019) | 0.078 (12/7/2016) | (0.025 - 0.078)/(27 - 16) | -0.00481818 |
| 0.048 (10/28/2019) | 0.078 (12/7/2016) | (0.048 - 0.078)/(28 - 16) | -0.0025 |
| 0.235 (3/31/2020) | 0.078 (12/7/2016) | (0.235 - 0.078)/(29 - 16) | 0.0120769 |
| 0.078 (6/10/2020) | 0.078 (12/7/2016) | (0.078 - 0.078)/(30 - 16) | 0 |
| 0.075 (9/21/2020) | 0.078 (12/7/2016) | (0.075 - 0.078)/(31 - 16) | -0.0002 |
| 0.05 (12/17/2020) | 0.078 (12/7/2016) | (0.05 - 0.078)/(32 - 16) | -0.00175 |
| 0.048 (3/18/2021) | 0.078 (12/7/2016) | (0.048 - 0.078)/(33 - 16) | -0.00176471 |
| 0.073 (5/5/2021) | 0.078 (12/7/2016) | (0.073 - 0.078)/(34 - 16) | -0.000277778 |
| 0.98 (9/2/2021) | 0.078 (12/7/2016) | (0.98 - 0.078)/(35 - 16) | 0.0474737 |
| 0.108 (11/23/2021) | 0.078 (12/7/2016) | (0.108 - 0.078)/(36 - 16) | 0.0015 |
| 0.068 (1/10/2022) | 0.078 (12/7/2016) | (0.068 - 0.078)/(37 - 16) | -0.00047619 |
| 0.033 (4/7/2022) | 0.078 (12/7/2016) | (0.033 - 0.078)/(38 - 16) | -0.00204545 |
| ND<0.03 U (8/3/2022) | 0.078 (12/7/2016) | (0.03 - 0.078)/(39 - 16) | -0.00208696 |
| 0.039 (11/16/2022) | 0.078 (12/7/2016) | (0.039 - 0.078)/(40 - 16) | -0.001625 |
| 0.052 (2/13/2023) | 0.078 (12/7/2016) | (0.052 - 0.078)/(41 - 16) | -0.00104 |
| 0.044 (5/24/2023) | 0.078 (12/7/2016) | (0.044 - 0.078)/(42 - 16) | -0.00130769 |
| 0.032 (8/7/2023) | 0.078 (12/7/2016) | (0.032 - 0.078)/(43 - 16) | -0.0017037 |
| 0.041 (12/12/2023) | 0.078 (12/7/2016) | (0.041 - 0.078)/(44 - 16) | -0.00132143 |
| 0.087 (1/10/2024) | 0.078 (12/7/2016) | (0.087 - 0.078)/(45 - 16) | 0.000310345 |
| 0.021 (5/20/2024) | 0.078 (12/7/2016) | (0.021 - 0.078)/(46 - 16) | -0.0019 |
| 0.033 (9/16/2024) | 0.078 (12/7/2016) | (0.033 - 0.078)/(47 - 16) | -0.00145161 |
| 0.155 (12/11/2024) | 0.078 (12/7/2016) | (0.155 - 0.078)/(48 - 16) | 0.00240625 |
| 0.054 (2/18/2025) | 0.078 (12/7/2016) | (0.054 - 0.078)/(49 - 16) | -0.000727273 |
| | | | |
| 0.03 (6/21/2017) | 0.092 (3/2/2017) | (0.03 - 0.092)/(18 - 17) | -0.062 |
| 0.07 (8/17/2017) | 0.092 (3/2/2017) | (0.07 - 0.092)/(19 - 17) | -0.011 |
| 0.054 (10/26/2017) | 0.092 (3/2/2017) | (0.054 - 0.092)/(20 - 17) | -0.0126667 |
| 0.044 (3/27/2018) | 0.092 (3/2/2017) | (0.044 - 0.092)/(21 - 17) | -0.012 |
| 0.044 (6/26/2018) | 0.092 (3/2/2017) | (0.044 - 0.092)/(22 - 17) | -0.0096 |
| 0.233 (8/1/2018) | 0.092 (3/2/2017) | (0.233 - 0.092)/(23 - 17) | 0.0235 |
| 0.057 (12/11/2018) | 0.092 (3/2/2017) | (0.057 - 0.092)/(24 - 17) | -0.005 |
| 0.042 (4/17/2019) | 0.092 (3/2/2017) | (0.042 - 0.092)/(25 - 17) | -0.00625 |
| 0.077 (6/11/2019) | 0.092 (3/2/2017) | (0.077 - 0.092)/(26 - 17) | -0.00166667 |
| ND<0.025 U (8/28/2019) | 0.092 (3/2/2017) | (0.025 - 0.092)/(27 - 17) | -0.0067 |
| 0.048 (10/28/2019) | 0.092 (3/2/2017) | (0.048 - 0.092)/(28 - 17) | -0.004 |

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|---|---|---|---|
| 0.235 (3/31/2020) | 0.092 (3/2/2017) | (0.235 - 0.092)/(29 - 17) | 0.0119167 |
| 0.078 (6/10/2020) | 0.092 (3/2/2017) | (0.078 - 0.092)/(30 - 17) | -0.00107692 |
| 0.075 (9/21/2020) | 0.092 (3/2/2017) | (0.075 - 0.092)/(31 - 17) | -0.00121429 |
| 0.05 (12/17/2020) | 0.092 (3/2/2017) | (0.05 - 0.092)/(32 - 17) | -0.0028 |
| 0.048 (3/18/2021) | 0.092 (3/2/2017) | (0.048 - 0.092)/(33 - 17) | -0.00275 |
| 0.073 (5/5/2021) | 0.092 (3/2/2017) | (0.073 - 0.092)/(34 - 17) | -0.00111765 |
| 0.98 (9/2/2021) | 0.092 (3/2/2017) | (0.98 - 0.092)/(35 - 17) | 0.0493333 |
| 0.108 (11/23/2021) | 0.092 (3/2/2017) | (0.108 - 0.092)/(36 - 17) | 0.000842105 |
| 0.068 (1/10/2022) | 0.092 (3/2/2017) | (0.068 - 0.092)/(37 - 17) | -0.0012 |
| 0.033 (4/7/2022) | 0.092 (3/2/2017) | (0.033 - 0.092)/(38 - 17) | -0.00280952 |
| ND<0.03 U (8/3/2022) | 0.092 (3/2/2017) | (0.03 - 0.092)/(39 - 17) | -0.00281818 |
| 0.039 (11/16/2022) | 0.092 (3/2/2017) | (0.039 - 0.092)/(40 - 17) | -0.00230435 |
| 0.052 (2/13/2023) | 0.092 (3/2/2017) | (0.052 - 0.092)/(41 - 17) | -0.00166667 |
| 0.044 (5/24/2023) | 0.092 (3/2/2017) | (0.044 - 0.092)/(42 - 17) | -0.00192 |
| 0.032 (8/7/2023) | 0.092 (3/2/2017) | (0.032 - 0.092)/(43 - 17) | -0.00230769 |
| 0.041 (12/12/2023) | 0.092 (3/2/2017) | (0.041 - 0.092)/(44 - 17) | -0.00188889 |
| 0.087 (1/10/2024) | 0.092 (3/2/2017) | (0.087 - 0.092)/(45 - 17) | -0.000178571 |
| 0.021 (5/20/2024) | 0.092 (3/2/2017) | (0.021 - 0.092)/(46 - 17) | -0.00244828 |
| 0.033 (9/16/2024) | 0.092 (3/2/2017) | (0.033 - 0.092)/(47 - 17) | -0.00196667 |
| 0.155 (12/11/2024) | 0.092 (3/2/2017) | (0.155 - 0.092)/(48 - 17) | 0.00203226 |
| 0.054 (2/18/2025) | 0.092 (3/2/2017) | (0.054 - 0.092)/(49 - 17) | -0.0011875 |
| | | | |
| 0.07 (8/17/2017) | 0.03 (6/21/2017) | (0.07 - 0.03)/(19 - 18) | 0.04 |
| 0.054 (10/26/2017) | 0.03 (6/21/2017) | (0.054 - 0.03)/(20 - 18) | 0.012 |
| 0.044 (3/27/2018) | 0.03 (6/21/2017) | (0.044 - 0.03)/(21 - 18) | 0.00466667 |
| 0.044 (6/26/2018) | 0.03 (6/21/2017) | (0.044 - 0.03)/(22 - 18) | 0.0035 |
| 0.233 (8/1/2018) | 0.03 (6/21/2017) | (0.233 - 0.03)/(23 - 18) | 0.0406 |
| 0.057 (12/11/2018) | 0.03 (6/21/2017) | (0.057 - 0.03)/(24 - 18) | 0.0045 |
| 0.042 (4/17/2019) | 0.03 (6/21/2017) | (0.042 - 0.03)/(25 - 18) | 0.00171429 |
| 0.077 (6/11/2019) | 0.03 (6/21/2017) | (0.077 - 0.03)/(26 - 18) | 0.005875 |
| ND<0.025 U (8/28/2019) | 0.03 (6/21/2017) | (0.025 - 0.03)/(27 - 18) | -0.000555556 |
| 0.048 (10/28/2019) | 0.03 (6/21/2017) | (0.048 - 0.03)/(28 - 18) | 0.0018 |
| 0.235 (3/31/2020) | 0.03 (6/21/2017) | (0.235 - 0.03)/(29 - 18) | 0.0186364 |
| 0.078 (6/10/2020) | 0.03 (6/21/2017) | (0.078 - 0.03)/(30 - 18) | 0.004 |
| 0.075 (9/21/2020) | 0.03 (6/21/2017) | (0.075 - 0.03)/(31 - 18) | 0.00346154 |
| 0.05 (12/17/2020) | 0.03 (6/21/2017) | (0.05 - 0.03)/(32 - 18) | 0.00142857 |
| 0.048 (3/18/2021) | 0.03 (6/21/2017) | (0.048 - 0.03)/(33 - 18) | 0.0012 |
| 0.073 (5/5/2021) | 0.03 (6/21/2017) | (0.073 - 0.03)/(34 - 18) | 0.0026875 |
| 0.98 (9/2/2021) | 0.03 (6/21/2017) | (0.98 - 0.03)/(35 - 18) | 0.0558824 |
| 0.108 (11/23/2021) | 0.03 (6/21/2017) | (0.108 - 0.03)/(36 - 18) | 0.00433333 |
| 0.068 (1/10/2022) | 0.03 (6/21/2017) | (0.068 - 0.03)/(37 - 18) | 0.002 |
| 0.033 (4/7/2022) | 0.03 (6/21/2017) | (0.033 - 0.03)/(38 - 18) | 0.00015 |
| ND<0.03 U (8/3/2022) | 0.03 (6/21/2017) | (0.03 - 0.03)/(39 - 18) | 0 |
| 0.039 (11/16/2022) | 0.03 (6/21/2017) | (0.039 - 0.03)/(40 - 18) | 0.000409091 |
| 0.052 (2/13/2023) | 0.03 (6/21/2017) | (0.052 - 0.03)/(41 - 18) | 0.000956522 |
| 0.044 (5/24/2023) | 0.03 (6/21/2017) | (0.044 - 0.03)/(42 - 18) | 0.000583333 |
| 0.032 (8/7/2023) | 0.03 (6/21/2017) | (0.032 - 0.03)/(43 - 18) | 8e-05 |
| 0.041 (12/12/2023) | 0.03 (6/21/2017) | (0.041 - 0.03)/(44 - 18) | 0.000423077 |
| 0.087 (1/10/2024) | 0.03 (6/21/2017) | (0.087 - 0.03)/(45 - 18) | 0.00211111 |
| 0.021 (5/20/2024) | 0.03 (6/21/2017) | (0.021 - 0.03)/(46 - 18) | -0.000321429 |
| 0.033 (9/16/2024) | 0.03 (6/21/2017) | (0.033 - 0.03)/(47 - 18) | 0.000103448 |
| 0.155 (12/11/2024) | 0.03 (6/21/2017) | (0.155 - 0.03)/(48 - 18) | 0.00416667 |
| 0.054 (2/18/2025) | 0.03 (6/21/2017) | (0.054 - 0.03)/(49 - 18) | 0.000774194 |
| | | | |
| 0.054 (10/26/2017) | 0.07 (8/17/2017) | (0.054 - 0.07)/(20 - 19) | -0.016 |
| 0.044 (3/27/2018) | 0.07 (8/17/2017) | (0.044 - 0.07)/(21 - 19) | -0.013 |
| 0.044 (6/26/2018) | 0.07 (8/17/2017) | (0.044 - 0.07)/(22 - 19) | -0.00866667 |

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|---|---|---|---|
| 0.233 (8/1/2018) | 0.07 (8/17/2017) | (0.233 - 0.07)/(23 - 19) | 0.04075 |
| 0.057 (12/11/2018) | 0.07 (8/17/2017) | (0.057 - 0.07)/(24 - 19) | -0.0026 |
| 0.042 (4/17/2019) | 0.07 (8/17/2017) | (0.042 - 0.07)/(25 - 19) | -0.00466667 |
| 0.077 (6/11/2019) | 0.07 (8/17/2017) | (0.077 - 0.07)/(26 - 19) | 0.001 |
| ND<0.025 U (8/28/2019) | 0.07 (8/17/2017) | (0.025 - 0.07)/(27 - 19) | -0.005625 |
| 0.048 (10/28/2019) | 0.07 (8/17/2017) | (0.048 - 0.07)/(28 - 19) | -0.00244444 |
| 0.235 (3/31/2020) | 0.07 (8/17/2017) | (0.235 - 0.07)/(29 - 19) | 0.0165 |
| 0.078 (6/10/2020) | 0.07 (8/17/2017) | (0.078 - 0.07)/(30 - 19) | 0.000727273 |
| 0.075 (9/21/2020) | 0.07 (8/17/2017) | (0.075 - 0.07)/(31 - 19) | 0.000416667 |
| 0.05 (12/17/2020) | 0.07 (8/17/2017) | (0.05 - 0.07)/(32 - 19) | -0.00153846 |
| 0.048 (3/18/2021) | 0.07 (8/17/2017) | (0.048 - 0.07)/(33 - 19) | -0.00157143 |
| 0.073 (5/5/2021) | 0.07 (8/17/2017) | (0.073 - 0.07)/(34 - 19) | 0.0002 |
| 0.98 (9/2/2021) | 0.07 (8/17/2017) | (0.98 - 0.07)/(35 - 19) | 0.056875 |
| 0.108 (11/23/2021) | 0.07 (8/17/2017) | (0.108 - 0.07)/(36 - 19) | 0.00223529 |
| 0.068 (1/10/2022) | 0.07 (8/17/2017) | (0.068 - 0.07)/(37 - 19) | -0.000111111 |
| 0.033 (4/7/2022) | 0.07 (8/17/2017) | (0.033 - 0.07)/(38 - 19) | -0.00194737 |
| ND<0.03 U (8/3/2022) | 0.07 (8/17/2017) | (0.03 - 0.07)/(39 - 19) | -0.002 |
| 0.039 (11/16/2022) | 0.07 (8/17/2017) | (0.039 - 0.07)/(40 - 19) | -0.00147619 |
| 0.052 (2/13/2023) | 0.07 (8/17/2017) | (0.052 - 0.07)/(41 - 19) | -0.000818182 |
| 0.044 (5/24/2023) | 0.07 (8/17/2017) | (0.044 - 0.07)/(42 - 19) | -0.00113043 |
| 0.032 (8/7/2023) | 0.07 (8/17/2017) | (0.032 - 0.07)/(43 - 19) | -0.00158333 |
| 0.041 (12/12/2023) | 0.07 (8/17/2017) | (0.041 - 0.07)/(44 - 19) | -0.00116 |
| 0.087 (1/10/2024) | 0.07 (8/17/2017) | (0.087 - 0.07)/(45 - 19) | 0.000653846 |
| 0.021 (5/20/2024) | 0.07 (8/17/2017) | (0.021 - 0.07)/(46 - 19) | -0.00181481 |
| 0.033 (9/16/2024) | 0.07 (8/17/2017) | (0.033 - 0.07)/(47 - 19) | -0.00132143 |
| 0.155 (12/11/2024) | 0.07 (8/17/2017) | (0.155 - 0.07)/(48 - 19) | 0.00293103 |
| 0.054 (2/18/2025) | 0.07 (8/17/2017) | (0.054 - 0.07)/(49 - 19) | -0.000533333 |

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|---|---|---|---|
| 0.044 (3/27/2018) | 0.054 (10/26/2017) | (0.044 - 0.054)/(21 - 20) | -0.01 |
| 0.044 (6/26/2018) | 0.054 (10/26/2017) | (0.044 - 0.054)/(22 - 20) | -0.005 |
| 0.233 (8/1/2018) | 0.054 (10/26/2017) | (0.233 - 0.054)/(23 - 20) | 0.0596667 |
| 0.057 (12/11/2018) | 0.054 (10/26/2017) | (0.057 - 0.054)/(24 - 20) | 0.00075 |
| 0.042 (4/17/2019) | 0.054 (10/26/2017) | (0.042 - 0.054)/(25 - 20) | -0.0024 |
| 0.077 (6/11/2019) | 0.054 (10/26/2017) | (0.077 - 0.054)/(26 - 20) | 0.00383333 |
| ND<0.025 U (8/28/2019) | 0.054 (10/26/2017) | (0.025 - 0.054)/(27 - 20) | -0.00414286 |
| 0.048 (10/28/2019) | 0.054 (10/26/2017) | (0.048 - 0.054)/(28 - 20) | -0.00075 |
| 0.235 (3/31/2020) | 0.054 (10/26/2017) | (0.235 - 0.054)/(29 - 20) | 0.0201111 |
| 0.078 (6/10/2020) | 0.054 (10/26/2017) | (0.078 - 0.054)/(30 - 20) | 0.0024 |
| 0.075 (9/21/2020) | 0.054 (10/26/2017) | (0.075 - 0.054)/(31 - 20) | 0.00190909 |
| 0.05 (12/17/2020) | 0.054 (10/26/2017) | (0.05 - 0.054)/(32 - 20) | -0.000333333 |
| 0.048 (3/18/2021) | 0.054 (10/26/2017) | (0.048 - 0.054)/(33 - 20) | -0.000461538 |
| 0.073 (5/5/2021) | 0.054 (10/26/2017) | (0.073 - 0.054)/(34 - 20) | 0.00135714 |
| 0.98 (9/2/2021) | 0.054 (10/26/2017) | (0.98 - 0.054)/(35 - 20) | 0.0617333 |
| 0.108 (11/23/2021) | 0.054 (10/26/2017) | (0.108 - 0.054)/(36 - 20) | 0.003375 |
| 0.068 (1/10/2022) | 0.054 (10/26/2017) | (0.068 - 0.054)/(37 - 20) | 0.000823529 |
| 0.033 (4/7/2022) | 0.054 (10/26/2017) | (0.033 - 0.054)/(38 - 20) | -0.00116667 |
| ND<0.03 U (8/3/2022) | 0.054 (10/26/2017) | (0.03 - 0.054)/(39 - 20) | -0.00126316 |
| 0.039 (11/16/2022) | 0.054 (10/26/2017) | (0.039 - 0.054)/(40 - 20) | -0.00075 |
| 0.052 (2/13/2023) | 0.054 (10/26/2017) | (0.052 - 0.054)/(41 - 20) | -9.52381e-05 |
| 0.044 (5/24/2023) | 0.054 (10/26/2017) | (0.044 - 0.054)/(42 - 20) | -0.000454545 |
| 0.032 (8/7/2023) | 0.054 (10/26/2017) | (0.032 - 0.054)/(43 - 20) | -0.000956522 |
| 0.041 (12/12/2023) | 0.054 (10/26/2017) | (0.041 - 0.054)/(44 - 20) | -0.000541667 |
| 0.087 (1/10/2024) | 0.054 (10/26/2017) | (0.087 - 0.054)/(45 - 20) | 0.00132 |
| 0.021 (5/20/2024) | 0.054 (10/26/2017) | (0.021 - 0.054)/(46 - 20) | -0.00126923 |
| 0.033 (9/16/2024) | 0.054 (10/26/2017) | (0.033 - 0.054)/(47 - 20) | -0.000777778 |
| 0.155 (12/11/2024) | 0.054 (10/26/2017) | (0.155 - 0.054)/(48 - 20) | 0.00360714 |
| 0.054 (2/18/2025) | 0.054 (10/26/2017) | (0.054 - 0.054)/(49 - 20) | 0 |

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|---|---|---|---|
| 0.044 (6/26/2018) | 0.044 (3/27/2018) | (0.044 - 0.044)/(22 - 21) | 0 |
| 0.233 (8/1/2018) | 0.044 (3/27/2018) | (0.233 - 0.044)/(23 - 21) | 0.0945 |
| 0.057 (12/11/2018) | 0.044 (3/27/2018) | (0.057 - 0.044)/(24 - 21) | 0.00433333 |
| 0.042 (4/17/2019) | 0.044 (3/27/2018) | (0.042 - 0.044)/(25 - 21) | -0.0005 |
| 0.077 (6/11/2019) | 0.044 (3/27/2018) | (0.077 - 0.044)/(26 - 21) | 0.0066 |
| ND<0.025 U (8/28/2019) | 0.044 (3/27/2018) | (0.025 - 0.044)/(27 - 21) | -0.00316667 |
| 0.048 (10/28/2019) | 0.044 (3/27/2018) | (0.048 - 0.044)/(28 - 21) | 0.000571429 |
| 0.235 (3/31/2020) | 0.044 (3/27/2018) | (0.235 - 0.044)/(29 - 21) | 0.023875 |
| 0.078 (6/10/2020) | 0.044 (3/27/2018) | (0.078 - 0.044)/(30 - 21) | 0.00377778 |
| 0.075 (9/21/2020) | 0.044 (3/27/2018) | (0.075 - 0.044)/(31 - 21) | 0.0031 |
| 0.05 (12/17/2020) | 0.044 (3/27/2018) | (0.05 - 0.044)/(32 - 21) | 0.000545455 |
| 0.048 (3/18/2021) | 0.044 (3/27/2018) | (0.048 - 0.044)/(33 - 21) | 0.000333333 |
| 0.073 (5/5/2021) | 0.044 (3/27/2018) | (0.073 - 0.044)/(34 - 21) | 0.00223077 |
| 0.98 (9/2/2021) | 0.044 (3/27/2018) | (0.98 - 0.044)/(35 - 21) | 0.0668571 |
| 0.108 (11/23/2021) | 0.044 (3/27/2018) | (0.108 - 0.044)/(36 - 21) | 0.00426667 |
| 0.068 (1/10/2022) | 0.044 (3/27/2018) | (0.068 - 0.044)/(37 - 21) | 0.0015 |
| 0.033 (4/7/2022) | 0.044 (3/27/2018) | (0.033 - 0.044)/(38 - 21) | -0.000647059 |
| ND<0.03 U (8/3/2022) | 0.044 (3/27/2018) | (0.03 - 0.044)/(39 - 21) | -0.000777778 |
| 0.039 (11/16/2022) | 0.044 (3/27/2018) | (0.039 - 0.044)/(40 - 21) | -0.000263158 |
| 0.052 (2/13/2023) | 0.044 (3/27/2018) | (0.052 - 0.044)/(41 - 21) | 0.0004 |
| 0.044 (5/24/2023) | 0.044 (3/27/2018) | (0.044 - 0.044)/(42 - 21) | 0 |
| 0.032 (8/7/2023) | 0.044 (3/27/2018) | (0.032 - 0.044)/(43 - 21) | -0.000545455 |
| 0.041 (12/12/2023) | 0.044 (3/27/2018) | (0.041 - 0.044)/(44 - 21) | -0.000130435 |
| 0.087 (1/10/2024) | 0.044 (3/27/2018) | (0.087 - 0.044)/(45 - 21) | 0.00179167 |
| 0.021 (5/20/2024) | 0.044 (3/27/2018) | (0.021 - 0.044)/(46 - 21) | -0.00092 |
| 0.033 (9/16/2024) | 0.044 (3/27/2018) | (0.033 - 0.044)/(47 - 21) | -0.000423077 |
| 0.155 (12/11/2024) | 0.044 (3/27/2018) | (0.155 - 0.044)/(48 - 21) | 0.00411111 |
| 0.054 (2/18/2025) | 0.044 (3/27/2018) | (0.054 - 0.044)/(49 - 21) | 0.000357143 |
| | | | |
| 0.233 (8/1/2018) | 0.044 (6/26/2018) | (0.233 - 0.044)/(23 - 22) | 0.189 |
| 0.057 (12/11/2018) | 0.044 (6/26/2018) | (0.057 - 0.044)/(24 - 22) | 0.0065 |
| 0.042 (4/17/2019) | 0.044 (6/26/2018) | (0.042 - 0.044)/(25 - 22) | -0.000666667 |
| 0.077 (6/11/2019) | 0.044 (6/26/2018) | (0.077 - 0.044)/(26 - 22) | 0.00825 |
| ND<0.025 U (8/28/2019) | 0.044 (6/26/2018) | (0.025 - 0.044)/(27 - 22) | -0.0038 |
| 0.048 (10/28/2019) | 0.044 (6/26/2018) | (0.048 - 0.044)/(28 - 22) | 0.000666667 |
| 0.235 (3/31/2020) | 0.044 (6/26/2018) | (0.235 - 0.044)/(29 - 22) | 0.0272857 |
| 0.078 (6/10/2020) | 0.044 (6/26/2018) | (0.078 - 0.044)/(30 - 22) | 0.00425 |
| 0.075 (9/21/2020) | 0.044 (6/26/2018) | (0.075 - 0.044)/(31 - 22) | 0.00344444 |
| 0.05 (12/17/2020) | 0.044 (6/26/2018) | (0.05 - 0.044)/(32 - 22) | 0.0006 |
| 0.048 (3/18/2021) | 0.044 (6/26/2018) | (0.048 - 0.044)/(33 - 22) | 0.000363636 |
| 0.073 (5/5/2021) | 0.044 (6/26/2018) | (0.073 - 0.044)/(34 - 22) | 0.00241667 |
| 0.98 (9/2/2021) | 0.044 (6/26/2018) | (0.98 - 0.044)/(35 - 22) | 0.072 |
| 0.108 (11/23/2021) | 0.044 (6/26/2018) | (0.108 - 0.044)/(36 - 22) | 0.00457143 |
| 0.068 (1/10/2022) | 0.044 (6/26/2018) | (0.068 - 0.044)/(37 - 22) | 0.0016 |
| 0.033 (4/7/2022) | 0.044 (6/26/2018) | (0.033 - 0.044)/(38 - 22) | -0.0006875 |
| ND<0.03 U (8/3/2022) | 0.044 (6/26/2018) | (0.03 - 0.044)/(39 - 22) | -0.000823529 |
| 0.039 (11/16/2022) | 0.044 (6/26/2018) | (0.039 - 0.044)/(40 - 22) | -0.000277778 |
| 0.052 (2/13/2023) | 0.044 (6/26/2018) | (0.052 - 0.044)/(41 - 22) | 0.000421053 |
| 0.044 (5/24/2023) | 0.044 (6/26/2018) | (0.044 - 0.044)/(42 - 22) | 0 |
| 0.032 (8/7/2023) | 0.044 (6/26/2018) | (0.032 - 0.044)/(43 - 22) | -0.000571429 |
| 0.041 (12/12/2023) | 0.044 (6/26/2018) | (0.041 - 0.044)/(44 - 22) | -0.000136364 |
| 0.087 (1/10/2024) | 0.044 (6/26/2018) | (0.087 - 0.044)/(45 - 22) | 0.00186957 |
| 0.021 (5/20/2024) | 0.044 (6/26/2018) | (0.021 - 0.044)/(46 - 22) | -0.000958333 |
| 0.033 (9/16/2024) | 0.044 (6/26/2018) | (0.033 - 0.044)/(47 - 22) | -0.00044 |
| 0.155 (12/11/2024) | 0.044 (6/26/2018) | (0.155 - 0.044)/(48 - 22) | 0.00426923 |
| 0.054 (2/18/2025) | 0.044 (6/26/2018) | (0.054 - 0.044)/(49 - 22) | 0.00037037 |

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|---|---|---|---|
| 0.057 (12/11/2018) | 0.233 (8/1/2018) | (0.057 - 0.233)/(24 - 23) | -0.176 |
| 0.042 (4/17/2019) | 0.233 (8/1/2018) | (0.042 - 0.233)/(25 - 23) | -0.0955 |
| 0.077 (6/11/2019) | 0.233 (8/1/2018) | (0.077 - 0.233)/(26 - 23) | -0.052 |
| ND<0.025 U (8/28/2019) | 0.233 (8/1/2018) | (0.025 - 0.233)/(27 - 23) | -0.052 |
| 0.048 (10/28/2019) | 0.233 (8/1/2018) | (0.048 - 0.233)/(28 - 23) | -0.037 |
| 0.235 (3/31/2020) | 0.233 (8/1/2018) | (0.235 - 0.233)/(29 - 23) | 0.000333333 |
| 0.078 (6/10/2020) | 0.233 (8/1/2018) | (0.078 - 0.233)/(30 - 23) | -0.0221429 |
| 0.075 (9/21/2020) | 0.233 (8/1/2018) | (0.075 - 0.233)/(31 - 23) | -0.01975 |
| 0.05 (12/17/2020) | 0.233 (8/1/2018) | (0.05 - 0.233)/(32 - 23) | -0.0203333 |
| 0.048 (3/18/2021) | 0.233 (8/1/2018) | (0.048 - 0.233)/(33 - 23) | -0.0185 |
| 0.073 (5/5/2021) | 0.233 (8/1/2018) | (0.073 - 0.233)/(34 - 23) | -0.0145455 |
| 0.98 (9/2/2021) | 0.233 (8/1/2018) | (0.98 - 0.233)/(35 - 23) | 0.06225 |
| 0.108 (11/23/2021) | 0.233 (8/1/2018) | (0.108 - 0.233)/(36 - 23) | -0.00961538 |
| 0.068 (1/10/2022) | 0.233 (8/1/2018) | (0.068 - 0.233)/(37 - 23) | -0.0117857 |
| 0.033 (4/7/2022) | 0.233 (8/1/2018) | (0.033 - 0.233)/(38 - 23) | -0.0133333 |
| ND<0.03 U (8/3/2022) | 0.233 (8/1/2018) | (0.03 - 0.233)/(39 - 23) | -0.0126875 |
| 0.039 (11/16/2022) | 0.233 (8/1/2018) | (0.039 - 0.233)/(40 - 23) | -0.0114118 |
| 0.052 (2/13/2023) | 0.233 (8/1/2018) | (0.052 - 0.233)/(41 - 23) | -0.0100556 |
| 0.044 (5/24/2023) | 0.233 (8/1/2018) | (0.044 - 0.233)/(42 - 23) | -0.00994737 |
| 0.032 (8/7/2023) | 0.233 (8/1/2018) | (0.032 - 0.233)/(43 - 23) | -0.01005 |
| 0.041 (12/12/2023) | 0.233 (8/1/2018) | (0.041 - 0.233)/(44 - 23) | -0.00914286 |
| 0.087 (1/10/2024) | 0.233 (8/1/2018) | (0.087 - 0.233)/(45 - 23) | -0.00663636 |
| 0.021 (5/20/2024) | 0.233 (8/1/2018) | (0.021 - 0.233)/(46 - 23) | -0.00921739 |
| 0.033 (9/16/2024) | 0.233 (8/1/2018) | (0.033 - 0.233)/(47 - 23) | -0.00833333 |
| 0.155 (12/11/2024) | 0.233 (8/1/2018) | (0.155 - 0.233)/(48 - 23) | -0.00312 |
| 0.054 (2/18/2025) | 0.233 (8/1/2018) | (0.054 - 0.233)/(49 - 23) | -0.00688462 |
| | | | |
| 0.042 (4/17/2019) | 0.057 (12/11/2018) | (0.042 - 0.057)/(25 - 24) | -0.015 |
| 0.077 (6/11/2019) | 0.057 (12/11/2018) | (0.077 - 0.057)/(26 - 24) | 0.01 |
| ND<0.025 U (8/28/2019) | 0.057 (12/11/2018) | (0.025 - 0.057)/(27 - 24) | -0.0106667 |
| 0.048 (10/28/2019) | 0.057 (12/11/2018) | (0.048 - 0.057)/(28 - 24) | -0.00225 |
| 0.235 (3/31/2020) | 0.057 (12/11/2018) | (0.235 - 0.057)/(29 - 24) | 0.0356 |
| 0.078 (6/10/2020) | 0.057 (12/11/2018) | (0.078 - 0.057)/(30 - 24) | 0.0035 |
| 0.075 (9/21/2020) | 0.057 (12/11/2018) | (0.075 - 0.057)/(31 - 24) | 0.00257143 |
| 0.05 (12/17/2020) | 0.057 (12/11/2018) | (0.05 - 0.057)/(32 - 24) | -0.000875 |
| 0.048 (3/18/2021) | 0.057 (12/11/2018) | (0.048 - 0.057)/(33 - 24) | -0.001 |
| 0.073 (5/5/2021) | 0.057 (12/11/2018) | (0.073 - 0.057)/(34 - 24) | 0.0016 |
| 0.98 (9/2/2021) | 0.057 (12/11/2018) | (0.98 - 0.057)/(35 - 24) | 0.0839091 |
| 0.108 (11/23/2021) | 0.057 (12/11/2018) | (0.108 - 0.057)/(36 - 24) | 0.00425 |
| 0.068 (1/10/2022) | 0.057 (12/11/2018) | (0.068 - 0.057)/(37 - 24) | 0.000846154 |
| 0.033 (4/7/2022) | 0.057 (12/11/2018) | (0.033 - 0.057)/(38 - 24) | -0.00171429 |
| ND<0.03 U (8/3/2022) | 0.057 (12/11/2018) | (0.03 - 0.057)/(39 - 24) | -0.0018 |
| 0.039 (11/16/2022) | 0.057 (12/11/2018) | (0.039 - 0.057)/(40 - 24) | -0.001125 |
| 0.052 (2/13/2023) | 0.057 (12/11/2018) | (0.052 - 0.057)/(41 - 24) | -0.000294118 |
| 0.044 (5/24/2023) | 0.057 (12/11/2018) | (0.044 - 0.057)/(42 - 24) | -0.000722222 |
| 0.032 (8/7/2023) | 0.057 (12/11/2018) | (0.032 - 0.057)/(43 - 24) | -0.00131579 |
| 0.041 (12/12/2023) | 0.057 (12/11/2018) | (0.041 - 0.057)/(44 - 24) | -0.0008 |
| 0.087 (1/10/2024) | 0.057 (12/11/2018) | (0.087 - 0.057)/(45 - 24) | 0.00142857 |
| 0.021 (5/20/2024) | 0.057 (12/11/2018) | (0.021 - 0.057)/(46 - 24) | -0.00163636 |
| 0.033 (9/16/2024) | 0.057 (12/11/2018) | (0.033 - 0.057)/(47 - 24) | -0.00104348 |
| 0.155 (12/11/2024) | 0.057 (12/11/2018) | (0.155 - 0.057)/(48 - 24) | 0.00408333 |
| 0.054 (2/18/2025) | 0.057 (12/11/2018) | (0.054 - 0.057)/(49 - 24) | -0.00012 |
| | | | |
| 0.077 (6/11/2019) | 0.042 (4/17/2019) | (0.077 - 0.042)/(26 - 25) | 0.035 |
| ND<0.025 U (8/28/2019) | 0.042 (4/17/2019) | (0.025 - 0.042)/(27 - 25) | -0.0085 |
| 0.048 (10/28/2019) | 0.042 (4/17/2019) | (0.048 - 0.042)/(28 - 25) | 0.002 |

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|---|---|---|---|
| 0.235 (3/31/2020) | 0.042 (4/17/2019) | (0.235 - 0.042)/(29 - 25) | 0.04825 |
| 0.078 (6/10/2020) | 0.042 (4/17/2019) | (0.078 - 0.042)/(30 - 25) | 0.0072 |
| 0.075 (9/21/2020) | 0.042 (4/17/2019) | (0.075 - 0.042)/(31 - 25) | 0.0055 |
| 0.05 (12/17/2020) | 0.042 (4/17/2019) | (0.05 - 0.042)/(32 - 25) | 0.00114286 |
| 0.048 (3/18/2021) | 0.042 (4/17/2019) | (0.048 - 0.042)/(33 - 25) | 0.00075 |
| 0.073 (5/5/2021) | 0.042 (4/17/2019) | (0.073 - 0.042)/(34 - 25) | 0.00344444 |
| 0.98 (9/2/2021) | 0.042 (4/17/2019) | (0.98 - 0.042)/(35 - 25) | 0.0938 |
| 0.108 (11/23/2021) | 0.042 (4/17/2019) | (0.108 - 0.042)/(36 - 25) | 0.006 |
| 0.068 (1/10/2022) | 0.042 (4/17/2019) | (0.068 - 0.042)/(37 - 25) | 0.00216667 |
| 0.033 (4/7/2022) | 0.042 (4/17/2019) | (0.033 - 0.042)/(38 - 25) | -0.000692308 |
| ND<0.03 U (8/3/2022) | 0.042 (4/17/2019) | (0.03 - 0.042)/(39 - 25) | -0.000857143 |
| 0.039 (11/16/2022) | 0.042 (4/17/2019) | (0.039 - 0.042)/(40 - 25) | -0.0002 |
| 0.052 (2/13/2023) | 0.042 (4/17/2019) | (0.052 - 0.042)/(41 - 25) | 0.000625 |
| 0.044 (5/24/2023) | 0.042 (4/17/2019) | (0.044 - 0.042)/(42 - 25) | 0.000117647 |
| 0.032 (8/7/2023) | 0.042 (4/17/2019) | (0.032 - 0.042)/(43 - 25) | -0.000555556 |
| 0.041 (12/12/2023) | 0.042 (4/17/2019) | (0.041 - 0.042)/(44 - 25) | -5.26316e-05 |
| 0.087 (1/10/2024) | 0.042 (4/17/2019) | (0.087 - 0.042)/(45 - 25) | 0.00225 |
| 0.021 (5/20/2024) | 0.042 (4/17/2019) | (0.021 - 0.042)/(46 - 25) | -0.001 |
| 0.033 (9/16/2024) | 0.042 (4/17/2019) | (0.033 - 0.042)/(47 - 25) | -0.000409091 |
| 0.155 (12/11/2024) | 0.042 (4/17/2019) | (0.155 - 0.042)/(48 - 25) | 0.00491304 |
| 0.054 (2/18/2025) | 0.042 (4/17/2019) | (0.054 - 0.042)/(49 - 25) | 0.0005 |
| | | | |
| ND<0.025 U (8/28/2019) | 0.077 (6/11/2019) | (0.025 - 0.077)/(27 - 26) | -0.052 |
| 0.048 (10/28/2019) | 0.077 (6/11/2019) | (0.048 - 0.077)/(28 - 26) | -0.0145 |
| 0.235 (3/31/2020) | 0.077 (6/11/2019) | (0.235 - 0.077)/(29 - 26) | 0.0526667 |
| 0.078 (6/10/2020) | 0.077 (6/11/2019) | (0.078 - 0.077)/(30 - 26) | 0.00025 |
| 0.075 (9/21/2020) | 0.077 (6/11/2019) | (0.075 - 0.077)/(31 - 26) | -0.0004 |
| 0.05 (12/17/2020) | 0.077 (6/11/2019) | (0.05 - 0.077)/(32 - 26) | -0.0045 |
| 0.048 (3/18/2021) | 0.077 (6/11/2019) | (0.048 - 0.077)/(33 - 26) | -0.00414286 |
| 0.073 (5/5/2021) | 0.077 (6/11/2019) | (0.073 - 0.077)/(34 - 26) | -0.0005 |
| 0.98 (9/2/2021) | 0.077 (6/11/2019) | (0.98 - 0.077)/(35 - 26) | 0.100333 |
| 0.108 (11/23/2021) | 0.077 (6/11/2019) | (0.108 - 0.077)/(36 - 26) | 0.0031 |
| 0.068 (1/10/2022) | 0.077 (6/11/2019) | (0.068 - 0.077)/(37 - 26) | -0.000818182 |
| 0.033 (4/7/2022) | 0.077 (6/11/2019) | (0.033 - 0.077)/(38 - 26) | -0.00366667 |
| ND<0.03 U (8/3/2022) | 0.077 (6/11/2019) | (0.03 - 0.077)/(39 - 26) | -0.00361538 |
| 0.039 (11/16/2022) | 0.077 (6/11/2019) | (0.039 - 0.077)/(40 - 26) | -0.00271429 |
| 0.052 (2/13/2023) | 0.077 (6/11/2019) | (0.052 - 0.077)/(41 - 26) | -0.00166667 |
| 0.044 (5/24/2023) | 0.077 (6/11/2019) | (0.044 - 0.077)/(42 - 26) | -0.0020625 |
| 0.032 (8/7/2023) | 0.077 (6/11/2019) | (0.032 - 0.077)/(43 - 26) | -0.00264706 |
| 0.041 (12/12/2023) | 0.077 (6/11/2019) | (0.041 - 0.077)/(44 - 26) | -0.002 |
| 0.087 (1/10/2024) | 0.077 (6/11/2019) | (0.087 - 0.077)/(45 - 26) | 0.000526316 |
| 0.021 (5/20/2024) | 0.077 (6/11/2019) | (0.021 - 0.077)/(46 - 26) | -0.0028 |
| 0.033 (9/16/2024) | 0.077 (6/11/2019) | (0.033 - 0.077)/(47 - 26) | -0.00209524 |
| 0.155 (12/11/2024) | 0.077 (6/11/2019) | (0.155 - 0.077)/(48 - 26) | 0.00354545 |
| 0.054 (2/18/2025) | 0.077 (6/11/2019) | (0.054 - 0.077)/(49 - 26) | -0.001 |
| | | | |
| 0.048 (10/28/2019) | ND<0.025 U (8/28/2019) | (0.048 - 0.025)/(28 - 27) | 0.023 |
| 0.235 (3/31/2020) | ND<0.025 U (8/28/2019) | (0.235 - 0.025)/(29 - 27) | 0.105 |
| 0.078 (6/10/2020) | ND<0.025 U (8/28/2019) | (0.078 - 0.025)/(30 - 27) | 0.0176667 |
| 0.075 (9/21/2020) | ND<0.025 U (8/28/2019) | (0.075 - 0.025)/(31 - 27) | 0.0125 |
| 0.05 (12/17/2020) | ND<0.025 U (8/28/2019) | (0.05 - 0.025)/(32 - 27) | 0.005 |
| 0.048 (3/18/2021) | ND<0.025 U (8/28/2019) | (0.048 - 0.025)/(33 - 27) | 0.00383333 |
| 0.073 (5/5/2021) | ND<0.025 U (8/28/2019) | (0.073 - 0.025)/(34 - 27) | 0.00685714 |
| 0.98 (9/2/2021) | ND<0.025 U (8/28/2019) | (0.98 - 0.025)/(35 - 27) | 0.119375 |
| 0.108 (11/23/2021) | ND<0.025 U (8/28/2019) | (0.108 - 0.025)/(36 - 27) | 0.00922222 |
| 0.068 (1/10/2022) | ND<0.025 U (8/28/2019) | (0.068 - 0.025)/(37 - 27) | 0.0043 |
| 0.033 (4/7/2022) | ND<0.025 U (8/28/2019) | (0.033 - 0.025)/(38 - 27) | 0.000727273 |

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|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.025 U (8/28/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| 0.039 (11/16/2022) | ND<0.025 U (8/28/2019) | (0.039 - 0.025)/(40 - 27) | 0.00107692 |
| 0.052 (2/13/2023) | ND<0.025 U (8/28/2019) | (0.052 - 0.025)/(41 - 27) | 0.00192857 |
| 0.044 (5/24/2023) | ND<0.025 U (8/28/2019) | (0.044 - 0.025)/(42 - 27) | 0.00126667 |
| 0.032 (8/7/2023) | ND<0.025 U (8/28/2019) | (0.032 - 0.025)/(43 - 27) | 0.0004375 |
| 0.041 (12/12/2023) | ND<0.025 U (8/28/2019) | (0.041 - 0.025)/(44 - 27) | 0.000941176 |
| 0.087 (1/10/2024) | ND<0.025 U (8/28/2019) | (0.087 - 0.025)/(45 - 27) | 0.00344444 |
| 0.021 (5/20/2024) | ND<0.025 U (8/28/2019) | (0.021 - 0.025)/(46 - 27) | -0.000210526 |
| 0.033 (9/16/2024) | ND<0.025 U (8/28/2019) | (0.033 - 0.025)/(47 - 27) | 0.0004 |
| 0.155 (12/11/2024) | ND<0.025 U (8/28/2019) | (0.155 - 0.025)/(48 - 27) | 0.00619048 |
| 0.054 (2/18/2025) | ND<0.025 U (8/28/2019) | (0.054 - 0.025)/(49 - 27) | 0.00131818 |
| | | | |
| 0.235 (3/31/2020) | 0.048 (10/28/2019) | (0.235 - 0.048)/(29 - 28) | 0.187 |
| 0.078 (6/10/2020) | 0.048 (10/28/2019) | (0.078 - 0.048)/(30 - 28) | 0.015 |
| 0.075 (9/21/2020) | 0.048 (10/28/2019) | (0.075 - 0.048)/(31 - 28) | 0.009 |
| 0.05 (12/17/2020) | 0.048 (10/28/2019) | (0.05 - 0.048)/(32 - 28) | 0.0005 |
| 0.048 (3/18/2021) | 0.048 (10/28/2019) | (0.048 - 0.048)/(33 - 28) | 0 |
| 0.073 (5/5/2021) | 0.048 (10/28/2019) | (0.073 - 0.048)/(34 - 28) | 0.00416667 |
| 0.98 (9/2/2021) | 0.048 (10/28/2019) | (0.98 - 0.048)/(35 - 28) | 0.133143 |
| 0.108 (11/23/2021) | 0.048 (10/28/2019) | (0.108 - 0.048)/(36 - 28) | 0.0075 |
| 0.068 (1/10/2022) | 0.048 (10/28/2019) | (0.068 - 0.048)/(37 - 28) | 0.00222222 |
| 0.033 (4/7/2022) | 0.048 (10/28/2019) | (0.033 - 0.048)/(38 - 28) | -0.0015 |
| ND<0.03 U (8/3/2022) | 0.048 (10/28/2019) | (0.03 - 0.048)/(39 - 28) | -0.00163636 |
| 0.039 (11/16/2022) | 0.048 (10/28/2019) | (0.039 - 0.048)/(40 - 28) | -0.00075 |
| 0.052 (2/13/2023) | 0.048 (10/28/2019) | (0.052 - 0.048)/(41 - 28) | 0.000307692 |
| 0.044 (5/24/2023) | 0.048 (10/28/2019) | (0.044 - 0.048)/(42 - 28) | -0.000285714 |
| 0.032 (8/7/2023) | 0.048 (10/28/2019) | (0.032 - 0.048)/(43 - 28) | -0.00106667 |
| 0.041 (12/12/2023) | 0.048 (10/28/2019) | (0.041 - 0.048)/(44 - 28) | -0.0004375 |
| 0.087 (1/10/2024) | 0.048 (10/28/2019) | (0.087 - 0.048)/(45 - 28) | 0.00229412 |
| 0.021 (5/20/2024) | 0.048 (10/28/2019) | (0.021 - 0.048)/(46 - 28) | -0.0015 |
| 0.033 (9/16/2024) | 0.048 (10/28/2019) | (0.033 - 0.048)/(47 - 28) | -0.000789474 |
| 0.155 (12/11/2024) | 0.048 (10/28/2019) | (0.155 - 0.048)/(48 - 28) | 0.00535 |
| 0.054 (2/18/2025) | 0.048 (10/28/2019) | (0.054 - 0.048)/(49 - 28) | 0.000285714 |
| | | | |
| 0.078 (6/10/2020) | 0.235 (3/31/2020) | (0.078 - 0.235)/(30 - 29) | -0.157 |
| 0.075 (9/21/2020) | 0.235 (3/31/2020) | (0.075 - 0.235)/(31 - 29) | -0.08 |
| 0.05 (12/17/2020) | 0.235 (3/31/2020) | (0.05 - 0.235)/(32 - 29) | -0.0616667 |
| 0.048 (3/18/2021) | 0.235 (3/31/2020) | (0.048 - 0.235)/(33 - 29) | -0.04675 |
| 0.073 (5/5/2021) | 0.235 (3/31/2020) | (0.073 - 0.235)/(34 - 29) | -0.0324 |
| 0.98 (9/2/2021) | 0.235 (3/31/2020) | (0.98 - 0.235)/(35 - 29) | 0.124167 |
| 0.108 (11/23/2021) | 0.235 (3/31/2020) | (0.108 - 0.235)/(36 - 29) | -0.0181429 |
| 0.068 (1/10/2022) | 0.235 (3/31/2020) | (0.068 - 0.235)/(37 - 29) | -0.020875 |
| 0.033 (4/7/2022) | 0.235 (3/31/2020) | (0.033 - 0.235)/(38 - 29) | -0.0224444 |
| ND<0.03 U (8/3/2022) | 0.235 (3/31/2020) | (0.03 - 0.235)/(39 - 29) | -0.0205 |
| 0.039 (11/16/2022) | 0.235 (3/31/2020) | (0.039 - 0.235)/(40 - 29) | -0.0178182 |
| 0.052 (2/13/2023) | 0.235 (3/31/2020) | (0.052 - 0.235)/(41 - 29) | -0.01525 |
| 0.044 (5/24/2023) | 0.235 (3/31/2020) | (0.044 - 0.235)/(42 - 29) | -0.0146923 |
| 0.032 (8/7/2023) | 0.235 (3/31/2020) | (0.032 - 0.235)/(43 - 29) | -0.0145 |
| 0.041 (12/12/2023) | 0.235 (3/31/2020) | (0.041 - 0.235)/(44 - 29) | -0.0129333 |
| 0.087 (1/10/2024) | 0.235 (3/31/2020) | (0.087 - 0.235)/(45 - 29) | -0.00925 |
| 0.021 (5/20/2024) | 0.235 (3/31/2020) | (0.021 - 0.235)/(46 - 29) | -0.0125882 |
| 0.033 (9/16/2024) | 0.235 (3/31/2020) | (0.033 - 0.235)/(47 - 29) | -0.0112222 |
| 0.155 (12/11/2024) | 0.235 (3/31/2020) | (0.155 - 0.235)/(48 - 29) | -0.00421053 |
| 0.054 (2/18/2025) | 0.235 (3/31/2020) | (0.054 - 0.235)/(49 - 29) | -0.00905 |
| | | | |
| 0.075 (9/21/2020) | 0.078 (6/10/2020) | (0.075 - 0.078)/(31 - 30) | -0.003 |
| 0.05 (12/17/2020) | 0.078 (6/10/2020) | (0.05 - 0.078)/(32 - 30) | -0.014 |

| | | | |
|---|---|---|---|
| 0.048 (3/18/2021) | 0.078 (6/10/2020) | (0.048 - 0.078)/(33 - 30) | -0.01 |
| 0.073 (5/5/2021) | 0.078 (6/10/2020) | (0.073 - 0.078)/(34 - 30) | -0.00125 |
| 0.98 (9/2/2021) | 0.078 (6/10/2020) | (0.98 - 0.078)/(35 - 30) | 0.1804 |
| 0.108 (11/23/2021) | 0.078 (6/10/2020) | (0.108 - 0.078)/(36 - 30) | 0.005 |
| 0.068 (1/10/2022) | 0.078 (6/10/2020) | (0.068 - 0.078)/(37 - 30) | -0.00142857 |
| 0.033 (4/7/2022) | 0.078 (6/10/2020) | (0.033 - 0.078)/(38 - 30) | -0.005625 |
| ND<0.03 U (8/3/2022) | 0.078 (6/10/2020) | (0.03 - 0.078)/(39 - 30) | -0.00533333 |
| 0.039 (11/16/2022) | 0.078 (6/10/2020) | (0.039 - 0.078)/(40 - 30) | -0.0039 |
| 0.052 (2/13/2023) | 0.078 (6/10/2020) | (0.052 - 0.078)/(41 - 30) | -0.00236364 |
| 0.044 (5/24/2023) | 0.078 (6/10/2020) | (0.044 - 0.078)/(42 - 30) | -0.00283333 |
| 0.032 (8/7/2023) | 0.078 (6/10/2020) | (0.032 - 0.078)/(43 - 30) | -0.00353846 |
| 0.041 (12/12/2023) | 0.078 (6/10/2020) | (0.041 - 0.078)/(44 - 30) | -0.00264286 |
| 0.087 (1/10/2024) | 0.078 (6/10/2020) | (0.087 - 0.078)/(45 - 30) | 0.0006 |
| 0.021 (5/20/2024) | 0.078 (6/10/2020) | (0.021 - 0.078)/(46 - 30) | -0.0035625 |
| 0.033 (9/16/2024) | 0.078 (6/10/2020) | (0.033 - 0.078)/(47 - 30) | -0.00264706 |
| 0.155 (12/11/2024) | 0.078 (6/10/2020) | (0.155 - 0.078)/(48 - 30) | 0.00427778 |
| 0.054 (2/18/2025) | 0.078 (6/10/2020) | (0.054 - 0.078)/(49 - 30) | -0.00126316 |
| | | | |
| 0.05 (12/17/2020) | 0.075 (9/21/2020) | (0.05 - 0.075)/(32 - 31) | -0.025 |
| 0.048 (3/18/2021) | 0.075 (9/21/2020) | (0.048 - 0.075)/(33 - 31) | -0.0135 |
| 0.073 (5/5/2021) | 0.075 (9/21/2020) | (0.073 - 0.075)/(34 - 31) | -0.000666667 |
| 0.98 (9/2/2021) | 0.075 (9/21/2020) | (0.98 - 0.075)/(35 - 31) | 0.22625 |
| 0.108 (11/23/2021) | 0.075 (9/21/2020) | (0.108 - 0.075)/(36 - 31) | 0.0066 |
| 0.068 (1/10/2022) | 0.075 (9/21/2020) | (0.068 - 0.075)/(37 - 31) | -0.00116667 |
| 0.033 (4/7/2022) | 0.075 (9/21/2020) | (0.033 - 0.075)/(38 - 31) | -0.006 |
| ND<0.03 U (8/3/2022) | 0.075 (9/21/2020) | (0.03 - 0.075)/(39 - 31) | -0.005625 |
| 0.039 (11/16/2022) | 0.075 (9/21/2020) | (0.039 - 0.075)/(40 - 31) | -0.004 |
| 0.052 (2/13/2023) | 0.075 (9/21/2020) | (0.052 - 0.075)/(41 - 31) | -0.0023 |
| 0.044 (5/24/2023) | 0.075 (9/21/2020) | (0.044 - 0.075)/(42 - 31) | -0.00281818 |
| 0.032 (8/7/2023) | 0.075 (9/21/2020) | (0.032 - 0.075)/(43 - 31) | -0.00358333 |
| 0.041 (12/12/2023) | 0.075 (9/21/2020) | (0.041 - 0.075)/(44 - 31) | -0.00261538 |
| 0.087 (1/10/2024) | 0.075 (9/21/2020) | (0.087 - 0.075)/(45 - 31) | 0.000857143 |
| 0.021 (5/20/2024) | 0.075 (9/21/2020) | (0.021 - 0.075)/(46 - 31) | -0.0036 |
| 0.033 (9/16/2024) | 0.075 (9/21/2020) | (0.033 - 0.075)/(47 - 31) | -0.002625 |
| 0.155 (12/11/2024) | 0.075 (9/21/2020) | (0.155 - 0.075)/(48 - 31) | 0.00470588 |
| 0.054 (2/18/2025) | 0.075 (9/21/2020) | (0.054 - 0.075)/(49 - 31) | -0.00116667 |
| | | | |
| 0.048 (3/18/2021) | 0.05 (12/17/2020) | (0.048 - 0.05)/(33 - 32) | -0.002 |
| 0.073 (5/5/2021) | 0.05 (12/17/2020) | (0.073 - 0.05)/(34 - 32) | 0.0115 |
| 0.98 (9/2/2021) | 0.05 (12/17/2020) | (0.98 - 0.05)/(35 - 32) | 0.31 |
| 0.108 (11/23/2021) | 0.05 (12/17/2020) | (0.108 - 0.05)/(36 - 32) | 0.0145 |
| 0.068 (1/10/2022) | 0.05 (12/17/2020) | (0.068 - 0.05)/(37 - 32) | 0.0036 |
| 0.033 (4/7/2022) | 0.05 (12/17/2020) | (0.033 - 0.05)/(38 - 32) | -0.00283333 |
| ND<0.03 U (8/3/2022) | 0.05 (12/17/2020) | (0.03 - 0.05)/(39 - 32) | -0.00285714 |
| 0.039 (11/16/2022) | 0.05 (12/17/2020) | (0.039 - 0.05)/(40 - 32) | -0.001375 |
| 0.052 (2/13/2023) | 0.05 (12/17/2020) | (0.052 - 0.05)/(41 - 32) | 0.000222222 |
| 0.044 (5/24/2023) | 0.05 (12/17/2020) | (0.044 - 0.05)/(42 - 32) | -0.0006 |
| 0.032 (8/7/2023) | 0.05 (12/17/2020) | (0.032 - 0.05)/(43 - 32) | -0.00163636 |
| 0.041 (12/12/2023) | 0.05 (12/17/2020) | (0.041 - 0.05)/(44 - 32) | -0.00075 |
| 0.087 (1/10/2024) | 0.05 (12/17/2020) | (0.087 - 0.05)/(45 - 32) | 0.00284615 |
| 0.021 (5/20/2024) | 0.05 (12/17/2020) | (0.021 - 0.05)/(46 - 32) | -0.00207143 |
| 0.033 (9/16/2024) | 0.05 (12/17/2020) | (0.033 - 0.05)/(47 - 32) | -0.00113333 |
| 0.155 (12/11/2024) | 0.05 (12/17/2020) | (0.155 - 0.05)/(48 - 32) | 0.0065625 |
| 0.054 (2/18/2025) | 0.05 (12/17/2020) | (0.054 - 0.05)/(49 - 32) | 0.000235294 |
| | | | |
| 0.073 (5/5/2021) | 0.048 (3/18/2021) | (0.073 - 0.048)/(34 - 33) | 0.025 |
| 0.98 (9/2/2021) | 0.048 (3/18/2021) | (0.98 - 0.048)/(35 - 33) | 0.466 |

| | | | |
|---|---|---|---|
| 0.108 (11/23/2021) | 0.048 (3/18/2021) | (0.108 - 0.048)/(36 - 33) | 0.02 |
| 0.068 (1/10/2022) | 0.048 (3/18/2021) | (0.068 - 0.048)/(37 - 33) | 0.005 |
| 0.033 (4/7/2022) | 0.048 (3/18/2021) | (0.033 - 0.048)/(38 - 33) | -0.003 |
| ND<0.03 U (8/3/2022) | 0.048 (3/18/2021) | (0.03 - 0.048)/(39 - 33) | -0.003 |
| 0.039 (11/16/2022) | 0.048 (3/18/2021) | (0.039 - 0.048)/(40 - 33) | -0.00128571 |
| 0.052 (2/13/2023) | 0.048 (3/18/2021) | (0.052 - 0.048)/(41 - 33) | 0.0005 |
| 0.044 (5/24/2023) | 0.048 (3/18/2021) | (0.044 - 0.048)/(42 - 33) | -0.000444444 |
| 0.032 (8/7/2023) | 0.048 (3/18/2021) | (0.032 - 0.048)/(43 - 33) | -0.0016 |
| 0.041 (12/12/2023) | 0.048 (3/18/2021) | (0.041 - 0.048)/(44 - 33) | -0.000636364 |
| 0.087 (1/10/2024) | 0.048 (3/18/2021) | (0.087 - 0.048)/(45 - 33) | 0.00325 |
| 0.021 (5/20/2024) | 0.048 (3/18/2021) | (0.021 - 0.048)/(46 - 33) | -0.00207692 |
| 0.033 (9/16/2024) | 0.048 (3/18/2021) | (0.033 - 0.048)/(47 - 33) | -0.00107143 |
| 0.155 (12/11/2024) | 0.048 (3/18/2021) | (0.155 - 0.048)/(48 - 33) | 0.00713333 |
| 0.054 (2/18/2025) | 0.048 (3/18/2021) | (0.054 - 0.048)/(49 - 33) | 0.000375 |
| | | | |
| 0.98 (9/2/2021) | 0.073 (5/5/2021) | (0.98 - 0.073)/(35 - 34) | 0.907 |
| 0.108 (11/23/2021) | 0.073 (5/5/2021) | (0.108 - 0.073)/(36 - 34) | 0.0175 |
| 0.068 (1/10/2022) | 0.073 (5/5/2021) | (0.068 - 0.073)/(37 - 34) | -0.00166667 |
| 0.033 (4/7/2022) | 0.073 (5/5/2021) | (0.033 - 0.073)/(38 - 34) | -0.01 |
| ND<0.03 U (8/3/2022) | 0.073 (5/5/2021) | (0.03 - 0.073)/(39 - 34) | -0.0086 |
| 0.039 (11/16/2022) | 0.073 (5/5/2021) | (0.039 - 0.073)/(40 - 34) | -0.00566667 |
| 0.052 (2/13/2023) | 0.073 (5/5/2021) | (0.052 - 0.073)/(41 - 34) | -0.003 |
| 0.044 (5/24/2023) | 0.073 (5/5/2021) | (0.044 - 0.073)/(42 - 34) | -0.003625 |
| 0.032 (8/7/2023) | 0.073 (5/5/2021) | (0.032 - 0.073)/(43 - 34) | -0.00455556 |
| 0.041 (12/12/2023) | 0.073 (5/5/2021) | (0.041 - 0.073)/(44 - 34) | -0.0032 |
| 0.087 (1/10/2024) | 0.073 (5/5/2021) | (0.087 - 0.073)/(45 - 34) | 0.00127273 |
| 0.021 (5/20/2024) | 0.073 (5/5/2021) | (0.021 - 0.073)/(46 - 34) | -0.00433333 |
| 0.033 (9/16/2024) | 0.073 (5/5/2021) | (0.033 - 0.073)/(47 - 34) | -0.00307692 |
| 0.155 (12/11/2024) | 0.073 (5/5/2021) | (0.155 - 0.073)/(48 - 34) | 0.00585714 |
| 0.054 (2/18/2025) | 0.073 (5/5/2021) | (0.054 - 0.073)/(49 - 34) | -0.00126667 |
| | | | |
| 0.108 (11/23/2021) | 0.98 (9/2/2021) | (0.108 - 0.98)/(36 - 35) | -0.872 |
| 0.068 (1/10/2022) | 0.98 (9/2/2021) | (0.068 - 0.98)/(37 - 35) | -0.456 |
| 0.033 (4/7/2022) | 0.98 (9/2/2021) | (0.033 - 0.98)/(38 - 35) | -0.315667 |
| ND<0.03 U (8/3/2022) | 0.98 (9/2/2021) | (0.03 - 0.98)/(39 - 35) | -0.2375 |
| 0.039 (11/16/2022) | 0.98 (9/2/2021) | (0.039 - 0.98)/(40 - 35) | -0.1882 |
| 0.052 (2/13/2023) | 0.98 (9/2/2021) | (0.052 - 0.98)/(41 - 35) | -0.154667 |
| 0.044 (5/24/2023) | 0.98 (9/2/2021) | (0.044 - 0.98)/(42 - 35) | -0.133714 |
| 0.032 (8/7/2023) | 0.98 (9/2/2021) | (0.032 - 0.98)/(43 - 35) | -0.1185 |
| 0.041 (12/12/2023) | 0.98 (9/2/2021) | (0.041 - 0.98)/(44 - 35) | -0.104333 |
| 0.087 (1/10/2024) | 0.98 (9/2/2021) | (0.087 - 0.98)/(45 - 35) | -0.0893 |
| 0.021 (5/20/2024) | 0.98 (9/2/2021) | (0.021 - 0.98)/(46 - 35) | -0.0871818 |
| 0.033 (9/16/2024) | 0.98 (9/2/2021) | (0.033 - 0.98)/(47 - 35) | -0.0789167 |
| 0.155 (12/11/2024) | 0.98 (9/2/2021) | (0.155 - 0.98)/(48 - 35) | -0.0634615 |
| 0.054 (2/18/2025) | 0.98 (9/2/2021) | (0.054 - 0.98)/(49 - 35) | -0.0661429 |
| | | | |
| 0.068 (1/10/2022) | 0.108 (11/23/2021) | (0.068 - 0.108)/(37 - 36) | -0.04 |
| 0.033 (4/7/2022) | 0.108 (11/23/2021) | (0.033 - 0.108)/(38 - 36) | -0.0375 |
| ND<0.03 U (8/3/2022) | 0.108 (11/23/2021) | (0.03 - 0.108)/(39 - 36) | -0.026 |
| 0.039 (11/16/2022) | 0.108 (11/23/2021) | (0.039 - 0.108)/(40 - 36) | -0.01725 |
| 0.052 (2/13/2023) | 0.108 (11/23/2021) | (0.052 - 0.108)/(41 - 36) | -0.0112 |
| 0.044 (5/24/2023) | 0.108 (11/23/2021) | (0.044 - 0.108)/(42 - 36) | -0.0106667 |
| 0.032 (8/7/2023) | 0.108 (11/23/2021) | (0.032 - 0.108)/(43 - 36) | -0.0108571 |
| 0.041 (12/12/2023) | 0.108 (11/23/2021) | (0.041 - 0.108)/(44 - 36) | -0.008375 |
| 0.087 (1/10/2024) | 0.108 (11/23/2021) | (0.087 - 0.108)/(45 - 36) | -0.00233333 |
| 0.021 (5/20/2024) | 0.108 (11/23/2021) | (0.021 - 0.108)/(46 - 36) | -0.0087 |
| 0.033 (9/16/2024) | 0.108 (11/23/2021) | (0.033 - 0.108)/(47 - 36) | -0.00681818 |

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|---|---|---|---|
| 0.155 (12/11/2024) | 0.108 (11/23/2021) | (0.155 - 0.108)/(48 - 36) | 0.00391667 |
| 0.054 (2/18/2025) | 0.108 (11/23/2021) | (0.054 - 0.108)/(49 - 36) | -0.00415385 |
| | | | |
| 0.033 (4/7/2022) | 0.068 (1/10/2022) | (0.033 - 0.068)/(38 - 37) | -0.035 |
| ND<0.03 U (8/3/2022) | 0.068 (1/10/2022) | (0.03 - 0.068)/(39 - 37) | -0.019 |
| 0.039 (11/16/2022) | 0.068 (1/10/2022) | (0.039 - 0.068)/(40 - 37) | -0.00966667 |
| 0.052 (2/13/2023) | 0.068 (1/10/2022) | (0.052 - 0.068)/(41 - 37) | -0.004 |
| 0.044 (5/24/2023) | 0.068 (1/10/2022) | (0.044 - 0.068)/(42 - 37) | -0.0048 |
| 0.032 (8/7/2023) | 0.068 (1/10/2022) | (0.032 - 0.068)/(43 - 37) | -0.006 |
| 0.041 (12/12/2023) | 0.068 (1/10/2022) | (0.041 - 0.068)/(44 - 37) | -0.00385714 |
| 0.087 (1/10/2024) | 0.068 (1/10/2022) | (0.087 - 0.068)/(45 - 37) | 0.002375 |
| 0.021 (5/20/2024) | 0.068 (1/10/2022) | (0.021 - 0.068)/(46 - 37) | -0.00522222 |
| 0.033 (9/16/2024) | 0.068 (1/10/2022) | (0.033 - 0.068)/(47 - 37) | -0.0035 |
| 0.155 (12/11/2024) | 0.068 (1/10/2022) | (0.155 - 0.068)/(48 - 37) | 0.00790909 |
| 0.054 (2/18/2025) | 0.068 (1/10/2022) | (0.054 - 0.068)/(49 - 37) | -0.00116667 |
| | | | |
| ND<0.03 U (8/3/2022) | 0.033 (4/7/2022) | (0.03 - 0.033)/(39 - 38) | -0.003 |
| 0.039 (11/16/2022) | 0.033 (4/7/2022) | (0.039 - 0.033)/(40 - 38) | 0.003 |
| 0.052 (2/13/2023) | 0.033 (4/7/2022) | (0.052 - 0.033)/(41 - 38) | 0.00633333 |
| 0.044 (5/24/2023) | 0.033 (4/7/2022) | (0.044 - 0.033)/(42 - 38) | 0.00275 |
| 0.032 (8/7/2023) | 0.033 (4/7/2022) | (0.032 - 0.033)/(43 - 38) | -0.0002 |
| 0.041 (12/12/2023) | 0.033 (4/7/2022) | (0.041 - 0.033)/(44 - 38) | 0.00133333 |
| 0.087 (1/10/2024) | 0.033 (4/7/2022) | (0.087 - 0.033)/(45 - 38) | 0.00771429 |
| 0.021 (5/20/2024) | 0.033 (4/7/2022) | (0.021 - 0.033)/(46 - 38) | -0.0015 |
| 0.033 (9/16/2024) | 0.033 (4/7/2022) | (0.033 - 0.033)/(47 - 38) | 0 |
| 0.155 (12/11/2024) | 0.033 (4/7/2022) | (0.155 - 0.033)/(48 - 38) | 0.0122 |
| 0.054 (2/18/2025) | 0.033 (4/7/2022) | (0.054 - 0.033)/(49 - 38) | 0.00190909 |
| | | | |
| 0.039 (11/16/2022) | ND<0.03 U (8/3/2022) | (0.039 - 0.03)/(40 - 39) | 0.009 |
| 0.052 (2/13/2023) | ND<0.03 U (8/3/2022) | (0.052 - 0.03)/(41 - 39) | 0.011 |
| 0.044 (5/24/2023) | ND<0.03 U (8/3/2022) | (0.044 - 0.03)/(42 - 39) | 0.00466667 |
| 0.032 (8/7/2023) | ND<0.03 U (8/3/2022) | (0.032 - 0.03)/(43 - 39) | 0.0005 |
| 0.041 (12/12/2023) | ND<0.03 U (8/3/2022) | (0.041 - 0.03)/(44 - 39) | 0.0022 |
| 0.087 (1/10/2024) | ND<0.03 U (8/3/2022) | (0.087 - 0.03)/(45 - 39) | 0.0095 |
| 0.021 (5/20/2024) | ND<0.03 U (8/3/2022) | (0.021 - 0.03)/(46 - 39) | -0.00128571 |
| 0.033 (9/16/2024) | ND<0.03 U (8/3/2022) | (0.033 - 0.03)/(47 - 39) | 0.000375 |
| 0.155 (12/11/2024) | ND<0.03 U (8/3/2022) | (0.155 - 0.03)/(48 - 39) | 0.0138889 |
| 0.054 (2/18/2025) | ND<0.03 U (8/3/2022) | (0.054 - 0.03)/(49 - 39) | 0.0024 |
| | | | |
| 0.052 (2/13/2023) | 0.039 (11/16/2022) | (0.052 - 0.039)/(41 - 40) | 0.013 |
| 0.044 (5/24/2023) | 0.039 (11/16/2022) | (0.044 - 0.039)/(42 - 40) | 0.0025 |
| 0.032 (8/7/2023) | 0.039 (11/16/2022) | (0.032 - 0.039)/(43 - 40) | -0.00233333 |
| 0.041 (12/12/2023) | 0.039 (11/16/2022) | (0.041 - 0.039)/(44 - 40) | 0.0005 |
| 0.087 (1/10/2024) | 0.039 (11/16/2022) | (0.087 - 0.039)/(45 - 40) | 0.0096 |
| 0.021 (5/20/2024) | 0.039 (11/16/2022) | (0.021 - 0.039)/(46 - 40) | -0.003 |
| 0.033 (9/16/2024) | 0.039 (11/16/2022) | (0.033 - 0.039)/(47 - 40) | -0.000857143 |
| 0.155 (12/11/2024) | 0.039 (11/16/2022) | (0.155 - 0.039)/(48 - 40) | 0.0145 |
| 0.054 (2/18/2025) | 0.039 (11/16/2022) | (0.054 - 0.039)/(49 - 40) | 0.00166667 |
| | | | |
| 0.044 (5/24/2023) | 0.052 (2/13/2023) | (0.044 - 0.052)/(42 - 41) | -0.008 |
| 0.032 (8/7/2023) | 0.052 (2/13/2023) | (0.032 - 0.052)/(43 - 41) | -0.01 |
| 0.041 (12/12/2023) | 0.052 (2/13/2023) | (0.041 - 0.052)/(44 - 41) | -0.00366667 |
| 0.087 (1/10/2024) | 0.052 (2/13/2023) | (0.087 - 0.052)/(45 - 41) | 0.00875 |
| 0.021 (5/20/2024) | 0.052 (2/13/2023) | (0.021 - 0.052)/(46 - 41) | -0.0062 |
| 0.033 (9/16/2024) | 0.052 (2/13/2023) | (0.033 - 0.052)/(47 - 41) | -0.00316667 |
| 0.155 (12/11/2024) | 0.052 (2/13/2023) | (0.155 - 0.052)/(48 - 41) | 0.0147143 |
| 0.054 (2/18/2025) | 0.052 (2/13/2023) | (0.054 - 0.052)/(49 - 41) | 0.00025 |

| | | | |
|---|---|---|---|
| 0.032 (8/7/2023) | 0.044 (5/24/2023) | (0.032 - 0.044)/(43 - 42) | -0.012 |
| 0.041 (12/12/2023) | 0.044 (5/24/2023) | (0.041 - 0.044)/(44 - 42) | -0.0015 |
| 0.087 (1/10/2024) | 0.044 (5/24/2023) | (0.087 - 0.044)/(45 - 42) | 0.0143333 |
| 0.021 (5/20/2024) | 0.044 (5/24/2023) | (0.021 - 0.044)/(46 - 42) | -0.00575 |
| 0.033 (9/16/2024) | 0.044 (5/24/2023) | (0.033 - 0.044)/(47 - 42) | -0.0022 |
| 0.155 (12/11/2024) | 0.044 (5/24/2023) | (0.155 - 0.044)/(48 - 42) | 0.0185 |
| 0.054 (2/18/2025) | 0.044 (5/24/2023) | (0.054 - 0.044)/(49 - 42) | 0.00142857 |
| | | | |
| 0.041 (12/12/2023) | 0.032 (8/7/2023) | (0.041 - 0.032)/(44 - 43) | 0.009 |
| 0.087 (1/10/2024) | 0.032 (8/7/2023) | (0.087 - 0.032)/(45 - 43) | 0.0275 |
| 0.021 (5/20/2024) | 0.032 (8/7/2023) | (0.021 - 0.032)/(46 - 43) | -0.00366667 |
| 0.033 (9/16/2024) | 0.032 (8/7/2023) | (0.033 - 0.032)/(47 - 43) | 0.00025 |
| 0.155 (12/11/2024) | 0.032 (8/7/2023) | (0.155 - 0.032)/(48 - 43) | 0.0246 |
| 0.054 (2/18/2025) | 0.032 (8/7/2023) | (0.054 - 0.032)/(49 - 43) | 0.00366667 |
| | | | |
| 0.087 (1/10/2024) | 0.041 (12/12/2023) | (0.087 - 0.041)/(45 - 44) | 0.046 |
| 0.021 (5/20/2024) | 0.041 (12/12/2023) | (0.021 - 0.041)/(46 - 44) | -0.01 |
| 0.033 (9/16/2024) | 0.041 (12/12/2023) | (0.033 - 0.041)/(47 - 44) | -0.00266667 |
| 0.155 (12/11/2024) | 0.041 (12/12/2023) | (0.155 - 0.041)/(48 - 44) | 0.0285 |
| 0.054 (2/18/2025) | 0.041 (12/12/2023) | (0.054 - 0.041)/(49 - 44) | 0.0026 |
| | | | |
| 0.021 (5/20/2024) | 0.087 (1/10/2024) | (0.021 - 0.087)/(46 - 45) | -0.066 |
| 0.033 (9/16/2024) | 0.087 (1/10/2024) | (0.033 - 0.087)/(47 - 45) | -0.027 |
| 0.155 (12/11/2024) | 0.087 (1/10/2024) | (0.155 - 0.087)/(48 - 45) | 0.0226667 |
| 0.054 (2/18/2025) | 0.087 (1/10/2024) | (0.054 - 0.087)/(49 - 45) | -0.00825 |
| | | | |
| 0.033 (9/16/2024) | 0.021 (5/20/2024) | (0.033 - 0.021)/(47 - 46) | 0.012 |
| 0.155 (12/11/2024) | 0.021 (5/20/2024) | (0.155 - 0.021)/(48 - 46) | 0.067 |
| 0.054 (2/18/2025) | 0.021 (5/20/2024) | (0.054 - 0.021)/(49 - 46) | 0.011 |
| | | | |
| 0.155 (12/11/2024) | 0.033 (9/16/2024) | (0.155 - 0.033)/(48 - 47) | 0.122 |
| 0.054 (2/18/2025) | 0.033 (9/16/2024) | (0.054 - 0.033)/(49 - 47) | 0.0105 |
| | | | |
| 0.054 (2/18/2025) | 0.155 (12/11/2024) | (0.054 - 0.155)/(49 - 48) | -0.101 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.872 |
| 2 | -0.456 |
| 3 | -0.315667 |
| 4 | -0.2375 |
| 5 | -0.1882 |
| 6 | -0.176 |
| 7 | -0.157 |
| 8 | -0.154667 |
| 9 | -0.133714 |
| 10 | -0.1185 |
| 11 | -0.104333 |
| 12 | -0.101 |
| 13 | -0.0955 |
| 14 | -0.0893 |
| 15 | -0.0871818 |
| 16 | -0.086 |

| | |
|---|---|
| 17 | -0.085 |
| 18 | -0.08 |
| 19 | -0.0789167 |
| 20 | -0.075 |
| 21 | -0.0661429 |
| 22 | -0.066 |
| 23 | -0.0634615 |
| 24 | -0.062 |
| 25 | -0.0616667 |
| 26 | -0.052 |
| 27 | -0.052 |
| 28 | -0.052 |
| 29 | -0.049 |
| 30 | -0.04675 |
| 31 | -0.046 |
| 32 | -0.043 |
| 33 | -0.041 |
| 34 | -0.04 |
| 35 | -0.04 |
| 36 | -0.0375 |
| 37 | -0.037 |
| 38 | -0.035 |
| 39 | -0.0324 |
| 40 | -0.027 |
| 41 | -0.026 |
| 42 | -0.0255 |
| 43 | -0.025 |
| 44 | -0.025 |
| 45 | -0.024 |
| 46 | -0.023 |
| 47 | -0.0225 |
| 48 | -0.0224444 |
| 49 | -0.0221429 |
| 50 | -0.0215 |
| 51 | -0.02125 |
| 52 | -0.020875 |
| 53 | -0.0205 |
| 54 | -0.0203333 |
| 55 | -0.01975 |
| 56 | -0.019 |
| 57 | -0.0185 |
| 58 | -0.01825 |
| 59 | -0.0181429 |
| 60 | -0.0178182 |
| 61 | -0.01725 |
| 62 | -0.0168333 |
| 63 | -0.016 |
| 64 | -0.016 |
| 65 | -0.01525 |
| 66 | -0.015 |
| 67 | -0.0146923 |
| 68 | -0.0145455 |
| 69 | -0.0145 |
| 70 | -0.0145 |
| 71 | -0.014 |
| 72 | -0.014 |
| 73 | -0.01375 |

| | |
|---|---|
| 74 | -0.0135 |
| 75 | -0.0135 |
| 76 | -0.0133333 |
| 77 | -0.01325 |
| 78 | -0.013 |
| 79 | -0.0129333 |
| 80 | -0.0126875 |
| 81 | -0.0126667 |
| 82 | -0.0125882 |
| 83 | -0.0125 |
| 84 | -0.012 |
| 85 | -0.012 |
| 86 | -0.0117857 |
| 87 | -0.0115556 |
| 88 | -0.0114118 |
| 89 | -0.0112222 |
| 90 | -0.0112 |
| 91 | -0.011 |
| 92 | -0.011 |
| 93 | -0.0108571 |
| 94 | -0.0106667 |
| 95 | -0.0106667 |
| 96 | -0.0106667 |
| 97 | -0.0102857 |
| 98 | -0.0100556 |
| 99 | -0.01005 |
| 100 | -0.01 |
| 101 | -0.01 |
| 102 | -0.01 |
| 103 | -0.01 |
| 104 | -0.01 |
| 105 | -0.01 |
| 106 | -0.00994737 |
| 107 | -0.0098 |
| 108 | -0.00966667 |
| 109 | -0.00966667 |
| 110 | -0.009625 |
| 111 | -0.00961538 |
| 112 | -0.0096 |
| 113 | -0.00933333 |
| 114 | -0.00928571 |
| 115 | -0.00925 |
| 116 | -0.00921739 |
| 117 | -0.00914286 |
| 118 | -0.00905 |
| 119 | -0.00890909 |
| 120 | -0.00888889 |
| 121 | -0.00871429 |
| 122 | -0.0087 |
| 123 | -0.0087 |
| 124 | -0.00866667 |
| 125 | -0.0086 |
| 126 | -0.0085 |
| 127 | -0.00842857 |
| 128 | -0.008375 |
| 129 | -0.00833333 |
| 130 | -0.00828571 |

| | |
|---|---|
| 131 | -0.00825 |
| 132 | -0.00816667 |
| 133 | -0.008 |
| 134 | -0.008 |
| 135 | -0.0078 |
| 136 | -0.007375 |
| 137 | -0.00706667 |
| 138 | -0.00688889 |
| 139 | -0.00688462 |
| 140 | -0.00684615 |
| 141 | -0.00683333 |
| 142 | -0.00682353 |
| 143 | -0.00681818 |
| 144 | -0.0068 |
| 145 | -0.0067 |
| 146 | -0.00663636 |
| 147 | -0.006625 |
| 148 | -0.0066 |
| 149 | -0.0065 |
| 150 | -0.00644444 |
| 151 | -0.00625 |
| 152 | -0.0062 |
| 153 | -0.00616667 |
| 154 | -0.006 |
| 155 | -0.006 |
| 156 | -0.006 |
| 157 | -0.006 |
| 158 | -0.006 |
| 159 | -0.00586957 |
| 160 | -0.00575 |
| 161 | -0.0057 |
| 162 | -0.00566667 |
| 163 | -0.00566667 |
| 164 | -0.005625 |
| 165 | -0.005625 |
| 166 | -0.005625 |
| 167 | -0.00561905 |
| 168 | -0.00554545 |
| 169 | -0.0055 |
| 170 | -0.00533333 |
| 171 | -0.00523077 |
| 172 | -0.00522222 |
| 173 | -0.0052 |
| 174 | -0.0051875 |
| 175 | -0.00515 |
| 176 | -0.00509091 |
| 177 | -0.00507692 |
| 178 | -0.005 |
| 179 | -0.005 |
| 180 | -0.005 |
| 181 | -0.00481818 |
| 182 | -0.0048 |
| 183 | -0.00472222 |
| 184 | -0.00466667 |
| 185 | -0.00466667 |
| 186 | -0.0046 |
| 187 | -0.00457143 |

| | |
|---|---|
| 188 | -0.00455556 |
| 189 | -0.0045 |
| 190 | -0.0045 |
| 191 | -0.0044 |
| 192 | -0.00433333 |
| 193 | -0.00425 |
| 194 | -0.00421053 |
| 195 | -0.00416667 |
| 196 | -0.00415385 |
| 197 | -0.00414286 |
| 198 | -0.00414286 |
| 199 | -0.00405 |
| 200 | -0.004 |
| 201 | -0.004 |
| 202 | -0.004 |
| 203 | -0.004 |
| 204 | -0.004 |
| 205 | -0.004 |
| 206 | -0.00395238 |
| 207 | -0.0039375 |
| 208 | -0.00392857 |
| 209 | -0.00392857 |
| 210 | -0.0039 |
| 211 | -0.00386207 |
| 212 | -0.00385714 |
| 213 | -0.00385714 |
| 214 | -0.0038 |
| 215 | -0.0038 |
| 216 | -0.00377778 |
| 217 | -0.00377273 |
| 218 | -0.00376923 |
| 219 | -0.00374074 |
| 220 | -0.00373529 |
| 221 | -0.00371429 |
| 222 | -0.00366667 |
| 223 | -0.00366667 |
| 224 | -0.00366667 |
| 225 | -0.00366667 |
| 226 | -0.003625 |
| 227 | -0.003625 |
| 228 | -0.00361538 |
| 229 | -0.0036 |
| 230 | -0.00358333 |
| 231 | -0.0035625 |
| 232 | -0.00353846 |
| 233 | -0.00353333 |
| 234 | -0.0035 |
| 235 | -0.00342857 |
| 236 | -0.00338462 |
| 237 | -0.00336111 |
| 238 | -0.00335294 |
| 239 | -0.00330952 |
| 240 | -0.00328571 |
| 241 | -0.00328571 |
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| 243 | -0.00326316 |
| 244 | -0.00325 |

| | |
|---|---|
| 245 | -0.00323529 |
| 246 | -0.0032 |
| 247 | -0.00319355 |
| 248 | -0.00316667 |
| 249 | -0.00316667 |
| 250 | -0.00315385 |
| 251 | -0.00314815 |
| 252 | -0.00312 |
| 253 | -0.00308333 |
| 254 | -0.00307692 |
| 255 | -0.00305263 |
| 256 | -0.003 |
| 257 | -0.003 |
| 258 | -0.003 |
| 259 | -0.003 |
| 260 | -0.003 |
| 261 | -0.003 |
| 262 | -0.003 |
| 263 | -0.002975 |
| 264 | -0.00295349 |
| 265 | -0.00294737 |
| 266 | -0.00294444 |
| 267 | -0.00294444 |
| 268 | -0.00292 |
| 269 | -0.00291892 |
| 270 | -0.00291667 |
| 271 | -0.0029 |
| 272 | -0.0029 |
| 273 | -0.00289474 |
| 274 | -0.00285714 |
| 275 | -0.00283333 |
| 276 | -0.00283333 |
| 277 | -0.00281818 |
| 278 | -0.00281818 |
| 279 | -0.0028125 |
| 280 | -0.00280952 |
| 281 | -0.0028 |
| 282 | -0.0028 |
| 283 | -0.0028 |
| 284 | -0.00278788 |
| 285 | -0.00275 |
| 286 | -0.00272414 |
| 287 | -0.00271429 |
| 288 | -0.00266667 |
| 289 | -0.00266667 |
| 290 | -0.00266667 |
| 291 | -0.00265517 |
| 292 | -0.00264706 |
| 293 | -0.00264706 |
| 294 | -0.00264286 |
| 295 | -0.00263636 |
| 296 | -0.00263158 |
| 297 | -0.002625 |
| 298 | -0.002625 |
| 299 | -0.00261905 |
| 300 | -0.00261538 |
| 301 | -0.0026087 |

| | |
|---|---|
| 302 | -0.0026 |
| 303 | -0.00258333 |
| 304 | -0.00258333 |
| 305 | -0.00257143 |
| 306 | -0.0025625 |
| 307 | -0.00252 |
| 308 | -0.0025 |
| 309 | -0.0025 |
| 310 | -0.00246154 |
| 311 | -0.00244828 |
| 312 | -0.00244828 |
| 313 | -0.00244444 |
| 314 | -0.00240541 |
| 315 | -0.0024 |
| 316 | -0.0024 |
| 317 | -0.00238462 |
| 318 | -0.00238462 |
| 319 | -0.00238462 |
| 320 | -0.00236364 |
| 321 | -0.00235556 |
| 322 | -0.00235294 |
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| 324 | -0.00233333 |
| 325 | -0.00230769 |
| 326 | -0.00230435 |
| 327 | -0.0023 |
| 328 | -0.00229412 |
| 329 | -0.00229032 |
| 330 | -0.00225 |
| 331 | -0.00225 |
| 332 | -0.00225 |
| 333 | -0.00225 |
| 334 | -0.00225 |
| 335 | -0.00222727 |
| 336 | -0.00221429 |
| 337 | -0.00221429 |
| 338 | -0.0022 |
| 339 | -0.00216667 |
| 340 | -0.00215 |
| 341 | -0.00212121 |
| 342 | -0.00210714 |
| 343 | -0.00209524 |
| 344 | -0.00208696 |
| 345 | -0.00208108 |
| 346 | -0.00207692 |
| 347 | -0.00207143 |
| 348 | -0.00207143 |
| 349 | -0.00206667 |
| 350 | -0.0020625 |
| 351 | -0.00204762 |
| 352 | -0.00204545 |
| 353 | -0.00203704 |
| 354 | -0.00202632 |
| 355 | -0.002 |
| 356 | -0.002 |
| 357 | -0.002 |
| 358 | -0.002 |

| | |
|---|---|
| 359 | -0.002 |
| 360 | -0.002 |
| 361 | -0.002 |
| 362 | -0.002 |
| 363 | -0.002 |
| 364 | -0.002 |
| 365 | -0.002 |
| 366 | -0.00197143 |
| 367 | -0.00196667 |
| 368 | -0.00194737 |
| 369 | -0.00194118 |
| 370 | -0.00194118 |
| 371 | -0.00192 |
| 372 | -0.00191429 |
| 373 | -0.0019 |
| 374 | -0.00188889 |
| 375 | -0.00188889 |
| 376 | -0.001875 |
| 377 | -0.001875 |
| 378 | -0.00185714 |
| 379 | -0.00185714 |
| 380 | -0.00181818 |
| 381 | -0.00181481 |
| 382 | -0.0018125 |
| 383 | -0.00180952 |
| 384 | -0.0018 |
| 385 | -0.00178571 |
| 386 | -0.00178049 |
| 387 | -0.00176471 |
| 388 | -0.00176471 |
| 389 | -0.00175 |
| 390 | -0.00175 |
| 391 | -0.00175 |
| 392 | -0.00173684 |
| 393 | -0.00171429 |
| 394 | -0.00171429 |
| 395 | -0.0017037 |
| 396 | -0.00168966 |
| 397 | -0.00166667 |
| 398 | -0.00166667 |
| 399 | -0.00166667 |
| 400 | -0.00166667 |
| 401 | -0.00164706 |
| 402 | -0.00163636 |
| 403 | -0.00163636 |
| 404 | -0.00163636 |
| 405 | -0.001625 |
| 406 | -0.001625 |
| 407 | -0.0016 |
| 408 | -0.0016 |
| 409 | -0.0016 |
| 410 | -0.00159091 |
| 411 | -0.00158333 |
| 412 | -0.00157143 |
| 413 | -0.00157143 |
| 414 | -0.0015625 |
| 415 | -0.00153846 |

| | |
|---|---|
| 416 | -0.00152778 |
| 417 | -0.00152381 |
| 418 | -0.00152174 |
| 419 | -0.00151515 |
| 420 | -0.0015 |
| 421 | -0.0015 |
| 422 | -0.0015 |
| 423 | -0.0015 |
| 424 | -0.0015 |
| 425 | -0.0015 |
| 426 | -0.0015 |
| 427 | -0.0015 |
| 428 | -0.00148 |
| 429 | -0.00147619 |
| 430 | -0.001475 |
| 431 | -0.00146875 |
| 432 | -0.00146667 |
| 433 | -0.00145946 |
| 434 | -0.00145455 |
| 435 | -0.00145161 |
| 436 | -0.00145161 |
| 437 | -0.00144444 |
| 438 | -0.00142857 |
| 439 | -0.00142424 |
| 440 | -0.00142105 |
| 441 | -0.00141935 |
| 442 | -0.0014 |
| 443 | -0.0014 |
| 444 | -0.0014 |
| 445 | -0.0014 |
| 446 | -0.0014 |
| 447 | -0.001375 |
| 448 | -0.00135 |
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| 450 | -0.00133333 |
| 451 | -0.00133333 |
| 452 | -0.00133333 |
| 453 | -0.00132258 |
| 454 | -0.00132143 |
| 455 | -0.00132143 |
| 456 | -0.00131579 |
| 457 | -0.00130952 |
| 458 | -0.00130769 |
| 459 | -0.00130435 |
| 460 | -0.0012973 |
| 461 | -0.00129412 |
| 462 | -0.00129268 |
| 463 | -0.00128571 |
| 464 | -0.00128571 |
| 465 | -0.00127778 |
| 466 | -0.00126923 |
| 467 | -0.00126667 |
| 468 | -0.00126316 |
| 469 | -0.00126316 |
| 470 | -0.00126087 |
| 471 | -0.00125 |
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| | |
|---|---|
| 473 | -0.00124242 |
| 474 | -0.00123077 |
| 475 | -0.00122857 |
| 476 | -0.00121875 |
| 477 | -0.00121429 |
| 478 | -0.00120588 |
| 479 | -0.0012 |
| 480 | -0.0012 |
| 481 | -0.0012 |
| 482 | -0.00119355 |
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Sen's Estimator (Median Q) is -0.000543561

| Tied Group | Value | Members |
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| 1 | 0.087 | 2 |
| 2 | 0.041 | 2 |
| 3 | 0.075 | 2 |
| 4 | 0.025 | 2 |
| 5 | 0.078 | 2 |
| 6 | 0.03 | 2 |
| 7 | 0.054 | 2 |
| 8 | 0.044 | 3 |
| 9 | 0.048 | 2 |
| 10 | 0.033 | 2 |

| Time Period | Observations |
|---|---|
| 3/12/2013 | 1 |
| 5/8/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 6/21/2017 | 1 |
| 8/17/2017 | 1 |
| 10/26/2017 | 1 |
| 3/27/2018 | 1 |
| 6/26/2018 | 1 |

| | |
|---|---|
| 8/1/2018 | 1 |
| 12/11/2018 | 1 |
| 4/17/2019 | 1 |
| 6/11/2019 | 1 |
| 8/28/2019 | 1 |
| 10/28/2019 | 1 |
| 3/31/2020 | 1 |
| 6/10/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 228
B = 0
C = 6
D = 0
E = 24
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 13446
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 190.732
M1 = (1176 - 190.732)/2.0 = 492.634
M2 = (1176 + 190.732)/2.0 + 1 = 684.366
Lower limit is -0.00114634 = Q(493)
Upper limit is 0 = Q(684)
-0.00114634 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SS 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.12 U (5/8/2013) | 0.031 (3/12/2013) | (0.12 - 0.031)/(2 - 1) | 0.089 |
| 0.029 (9/23/2013) | 0.031 (3/12/2013) | (0.029 - 0.031)/(3 - 1) | -0.001 |
| 0.043 (12/10/2013) | 0.031 (3/12/2013) | (0.043 - 0.031)/(4 - 1) | 0.004 |
| ND<0.025 U (2/6/2014) | 0.031 (3/12/2013) | (0.025 - 0.031)/(5 - 1) | -0.0015 |
| ND<0.025 U (6/26/2014) | 0.031 (3/12/2013) | (0.025 - 0.031)/(6 - 1) | -0.0012 |
| ND<0.025 U (9/30/2014) | 0.031 (3/12/2013) | (0.025 - 0.031)/(7 - 1) | -0.001 |
| ND<0.025 U (11/19/2014) | 0.031 (3/12/2013) | (0.025 - 0.031)/(8 - 1) | -0.000857143 |
| ND<0.025 U (3/23/2015) | 0.031 (3/12/2013) | (0.025 - 0.031)/(9 - 1) | -0.00075 |
| ND<0.025 U (4/22/2015) | 0.031 (3/12/2013) | (0.025 - 0.031)/(10 - 1) | -0.000666667 |
| ND<0.025 U (9/30/2015) | 0.031 (3/12/2013) | (0.025 - 0.031)/(11 - 1) | -0.0006 |
| ND<0.025 U (11/19/2015) | 0.031 (3/12/2013) | (0.025 - 0.031)/(12 - 1) | -0.000545455 |
| ND<0.025 U (3/15/2016) | 0.031 (3/12/2013) | (0.025 - 0.031)/(13 - 1) | -0.0005 |
| 0.066 (6/29/2016) | 0.031 (3/12/2013) | (0.066 - 0.031)/(14 - 1) | 0.00269231 |
| ND<0.025 U (8/9/2016) | 0.031 (3/12/2013) | (0.025 - 0.031)/(15 - 1) | -0.000428571 |
| ND<0.025 U (12/7/2016) | 0.031 (3/12/2013) | (0.025 - 0.031)/(16 - 1) | -0.0004 |
| ND<0.025 U (3/2/2017) | 0.031 (3/12/2013) | (0.025 - 0.031)/(17 - 1) | -0.000375 |
| ND<0.025 U (7/5/2017) | 0.031 (3/12/2013) | (0.025 - 0.031)/(18 - 1) | -0.000352941 |
| ND<0.025 U (8/16/2017) | 0.031 (3/12/2013) | (0.025 - 0.031)/(19 - 1) | -0.000333333 |
| ND<0.025 U (10/25/2017) | 0.031 (3/12/2013) | (0.025 - 0.031)/(20 - 1) | -0.000315789 |
| ND<0.025 U (3/28/2018) | 0.031 (3/12/2013) | (0.025 - 0.031)/(21 - 1) | -0.0003 |
| ND<0.025 U (6/29/2018) | 0.031 (3/12/2013) | (0.025 - 0.031)/(22 - 1) | -0.000285714 |
| ND<0.025 U (8/2/2018) | 0.031 (3/12/2013) | (0.025 - 0.031)/(23 - 1) | -0.000272727 |
| ND<0.025 U (12/10/2018) | 0.031 (3/12/2013) | (0.025 - 0.031)/(24 - 1) | -0.00026087 |
| ND<0.025 U (4/15/2019) | 0.031 (3/12/2013) | (0.025 - 0.031)/(25 - 1) | -0.00025 |
| ND<0.025 U (6/12/2019) | 0.031 (3/12/2013) | (0.025 - 0.031)/(26 - 1) | -0.00024 |
| ND<0.025 U (8/27/2019) | 0.031 (3/12/2013) | (0.025 - 0.031)/(27 - 1) | -0.000230769 |
| ND<0.025 U (10/29/2019) | 0.031 (3/12/2013) | (0.025 - 0.031)/(28 - 1) | -0.000222222 |
| ND<0.025 U (3/30/2020) | 0.031 (3/12/2013) | (0.025 - 0.031)/(29 - 1) | -0.000214286 |
| ND<0.03 U (6/16/2020) | 0.031 (3/12/2013) | (0.03 - 0.031)/(30 - 1) | -3.44828e-05 |
| ND<0.03 U (9/21/2020) | 0.031 (3/12/2013) | (0.03 - 0.031)/(31 - 1) | -3.33333e-05 |
| ND<0.03 U (12/17/2020) | 0.031 (3/12/2013) | (0.03 - 0.031)/(32 - 1) | -3.22581e-05 |
| ND<0.03 U (3/18/2021) | 0.031 (3/12/2013) | (0.03 - 0.031)/(33 - 1) | -3.125e-05 |
| ND<0.03 U (5/5/2021) | 0.031 (3/12/2013) | (0.03 - 0.031)/(34 - 1) | -3.0303e-05 |
| ND<0.03 U (9/2/2021) | 0.031 (3/12/2013) | (0.03 - 0.031)/(35 - 1) | -2.94118e-05 |
| ND<0.03 U (11/23/2021) | 0.031 (3/12/2013) | (0.03 - 0.031)/(36 - 1) | -2.85714e-05 |
| ND<0.03 U (1/11/2022) | 0.031 (3/12/2013) | (0.03 - 0.031)/(37 - 1) | -2.77778e-05 |
| ND<0.03 U (4/7/2022) | 0.031 (3/12/2013) | (0.03 - 0.031)/(38 - 1) | -2.7027e-05 |
| ND<0.03 U (8/2/2022) | 0.031 (3/12/2013) | (0.03 - 0.031)/(39 - 1) | -2.63158e-05 |
| ND<0.03 U (11/16/2022) | 0.031 (3/12/2013) | (0.03 - 0.031)/(40 - 1) | -2.5641e-05 |
| 0.093 (2/14/2023) | 0.031 (3/12/2013) | (0.093 - 0.031)/(41 - 1) | 0.00155 |
| 0.67 (5/25/2023) | 0.031 (3/12/2013) | (0.67 - 0.031)/(42 - 1) | 0.0155854 |
| ND<0.03 U (8/7/2023) | 0.031 (3/12/2013) | (0.03 - 0.031)/(43 - 1) | -2.38095e-05 |
| ND<0.014 U (12/12/2023) | 0.031 (3/12/2013) | (0.014 - 0.031)/(44 - 1) | -0.000395349 |
| ND<0.014 U (1/10/2024) | 0.031 (3/12/2013) | (0.014 - 0.031)/(45 - 1) | -0.000386364 |
| ND<0.03 U (5/21/2024) | 0.031 (3/12/2013) | (0.03 - 0.031)/(46 - 1) | -2.22222e-05 |
| ND<0.014 U (9/16/2024) | 0.031 (3/12/2013) | (0.014 - 0.031)/(47 - 1) | -0.000369565 |
| 0.15 (12/11/2024) | 0.031 (3/12/2013) | (0.15 - 0.031)/(48 - 1) | 0.00253191 |
| 0.046 (2/18/2025) | 0.031 (3/12/2013) | (0.046 - 0.031)/(49 - 1) | 0.0003125 |

| | | | |
|---|---|---|---|
| 0.029 (9/23/2013) | ND<0.12 U (5/8/2013) | (0.029 - 0.12)/(3 - 2) | -0.091 |
| 0.043 (12/10/2013) | ND<0.12 U (5/8/2013) | (0.043 - 0.12)/(4 - 2) | -0.0385 |
| ND<0.025 U (2/6/2014) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(5 - 2) | -0.0316667 |
| ND<0.025 U (6/26/2014) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(6 - 2) | -0.02375 |
| ND<0.025 U (9/30/2014) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(7 - 2) | -0.019 |
| ND<0.025 U (11/19/2014) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(8 - 2) | -0.0158333 |
| ND<0.025 U (3/23/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(9 - 2) | -0.0135714 |
| ND<0.025 U (4/22/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(10 - 2) | -0.011875 |
| ND<0.025 U (9/30/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(11 - 2) | -0.0105556 |
| ND<0.025 U (11/19/2015) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(12 - 2) | -0.0095 |
| ND<0.025 U (3/15/2016) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(13 - 2) | -0.00863636 |
| 0.066 (6/29/2016) | ND<0.12 U (5/8/2013) | (0.066 - 0.12)/(14 - 2) | -0.0045 |
| ND<0.025 U (8/9/2016) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(15 - 2) | -0.00730769 |
| ND<0.025 U (12/7/2016) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(16 - 2) | -0.00678571 |
| ND<0.025 U (3/2/2017) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(17 - 2) | -0.00633333 |
| ND<0.025 U (7/5/2017) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(18 - 2) | -0.0059375 |
| ND<0.025 U (8/16/2017) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(19 - 2) | -0.00558824 |
| ND<0.025 U (10/25/2017) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(20 - 2) | -0.00527778 |
| ND<0.025 U (3/28/2018) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(21 - 2) | -0.005 |
| ND<0.025 U (6/29/2018) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(22 - 2) | -0.00475 |
| ND<0.025 U (8/2/2018) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(23 - 2) | -0.00452381 |
| ND<0.025 U (12/10/2018) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(24 - 2) | -0.00431818 |
| ND<0.025 U (4/15/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(25 - 2) | -0.00413043 |
| ND<0.025 U (6/12/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(26 - 2) | -0.00395833 |
| ND<0.025 U (8/27/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(27 - 2) | -0.0038 |
| ND<0.025 U (10/29/2019) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(28 - 2) | -0.00365385 |
| ND<0.025 U (3/30/2020) | ND<0.12 U (5/8/2013) | (0.025 - 0.12)/(29 - 2) | -0.00351852 |
| ND<0.03 U (6/16/2020) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(30 - 2) | -0.00321429 |
| ND<0.03 U (9/21/2020) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(31 - 2) | -0.00310345 |
| ND<0.03 U (12/17/2020) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(32 - 2) | -0.003 |
| ND<0.03 U (3/18/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(33 - 2) | -0.00290323 |
| ND<0.03 U (5/5/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(34 - 2) | -0.0028125 |
| ND<0.03 U (9/2/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(35 - 2) | -0.00272727 |
| ND<0.03 U (11/23/2021) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(36 - 2) | -0.00264706 |
| ND<0.03 U (1/11/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(37 - 2) | -0.00257143 |
| ND<0.03 U (4/7/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(38 - 2) | -0.0025 |
| ND<0.03 U (8/2/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(39 - 2) | -0.00243243 |
| ND<0.03 U (11/16/2022) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(40 - 2) | -0.00236842 |
| 0.093 (2/14/2023) | ND<0.12 U (5/8/2013) | (0.093 - 0.12)/(41 - 2) | -0.000692308 |
| 0.67 (5/25/2023) | ND<0.12 U (5/8/2013) | (0.67 - 0.12)/(42 - 2) | 0.01375 |
| ND<0.03 U (8/7/2023) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(43 - 2) | -0.00219512 |
| ND<0.014 U (12/12/2023) | ND<0.12 U (5/8/2013) | (0.014 - 0.12)/(44 - 2) | -0.00252381 |
| ND<0.014 U (1/10/2024) | ND<0.12 U (5/8/2013) | (0.014 - 0.12)/(45 - 2) | -0.00246512 |
| ND<0.03 U (5/21/2024) | ND<0.12 U (5/8/2013) | (0.03 - 0.12)/(46 - 2) | -0.00204545 |
| ND<0.014 U (9/16/2024) | ND<0.12 U (5/8/2013) | (0.014 - 0.12)/(47 - 2) | -0.00235556 |
| 0.15 (12/11/2024) | ND<0.12 U (5/8/2013) | (0.15 - 0.12)/(48 - 2) | 0.000652174 |
| 0.046 (2/18/2025) | ND<0.12 U (5/8/2013) | (0.046 - 0.12)/(49 - 2) | -0.00157447 |

| | | | |
|---|---|---|---|
| 0.043 (12/10/2013) | 0.029 (9/23/2013) | (0.043 - 0.029)/(4 - 3) | 0.014 |
| ND<0.025 U (2/6/2014) | 0.029 (9/23/2013) | (0.025 - 0.029)/(5 - 3) | -0.002 |
| ND<0.025 U (6/26/2014) | 0.029 (9/23/2013) | (0.025 - 0.029)/(6 - 3) | -0.00133333 |
| ND<0.025 U (9/30/2014) | 0.029 (9/23/2013) | (0.025 - 0.029)/(7 - 3) | -0.001 |
| ND<0.025 U (11/19/2014) | 0.029 (9/23/2013) | (0.025 - 0.029)/(8 - 3) | -0.0008 |
| ND<0.025 U (3/23/2015) | 0.029 (9/23/2013) | (0.025 - 0.029)/(9 - 3) | -0.000666667 |
| ND<0.025 U (4/22/2015) | 0.029 (9/23/2013) | (0.025 - 0.029)/(10 - 3) | -0.000571429 |
| ND<0.025 U (9/30/2015) | 0.029 (9/23/2013) | (0.025 - 0.029)/(11 - 3) | -0.0005 |

| | | | |
|---|---|---|---|
| ND<0.025 U (11/19/2015) | 0.029 (9/23/2013) | (0.025 - 0.029)/(12 - 3) | -0.000444444 |
| ND<0.025 U (3/15/2016) | 0.029 (9/23/2013) | (0.025 - 0.029)/(13 - 3) | -0.0004 |
| 0.066 (6/29/2016) | 0.029 (9/23/2013) | (0.066 - 0.029)/(14 - 3) | 0.00336364 |
| ND<0.025 U (8/9/2016) | 0.029 (9/23/2013) | (0.025 - 0.029)/(15 - 3) | -0.000333333 |
| ND<0.025 U (12/7/2016) | 0.029 (9/23/2013) | (0.025 - 0.029)/(16 - 3) | -0.000307692 |
| ND<0.025 U (3/2/2017) | 0.029 (9/23/2013) | (0.025 - 0.029)/(17 - 3) | -0.000285714 |
| ND<0.025 U (7/5/2017) | 0.029 (9/23/2013) | (0.025 - 0.029)/(18 - 3) | -0.000266667 |
| ND<0.025 U (8/16/2017) | 0.029 (9/23/2013) | (0.025 - 0.029)/(19 - 3) | -0.00025 |
| ND<0.025 U (10/25/2017) | 0.029 (9/23/2013) | (0.025 - 0.029)/(20 - 3) | -0.000235294 |
| ND<0.025 U (3/28/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(21 - 3) | -0.000222222 |
| ND<0.025 U (6/29/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(22 - 3) | -0.000210526 |
| ND<0.025 U (8/2/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(23 - 3) | -0.0002 |
| ND<0.025 U (12/10/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(24 - 3) | -0.000190476 |
| ND<0.025 U (4/15/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(25 - 3) | -0.000181818 |
| ND<0.025 U (6/12/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(26 - 3) | -0.000173913 |
| ND<0.025 U (8/27/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(27 - 3) | -0.000166667 |
| ND<0.025 U (10/29/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(28 - 3) | -0.00016 |
| ND<0.025 U (3/30/2020) | 0.029 (9/23/2013) | (0.025 - 0.029)/(29 - 3) | -0.000153846 |
| ND<0.03 U (6/16/2020) | 0.029 (9/23/2013) | (0.03 - 0.029)/(30 - 3) | 3.7037e-05 |
| ND<0.03 U (9/21/2020) | 0.029 (9/23/2013) | (0.03 - 0.029)/(31 - 3) | 3.57143e-05 |
| ND<0.03 U (12/17/2020) | 0.029 (9/23/2013) | (0.03 - 0.029)/(32 - 3) | 3.44828e-05 |
| ND<0.03 U (3/18/2021) | 0.029 (9/23/2013) | (0.03 - 0.029)/(33 - 3) | 3.33333e-05 |
| ND<0.03 U (5/5/2021) | 0.029 (9/23/2013) | (0.03 - 0.029)/(34 - 3) | 3.22581e-05 |
| ND<0.03 U (9/2/2021) | 0.029 (9/23/2013) | (0.03 - 0.029)/(35 - 3) | 3.125e-05 |
| ND<0.03 U (11/23/2021) | 0.029 (9/23/2013) | (0.03 - 0.029)/(36 - 3) | 3.0303e-05 |
| ND<0.03 U (1/11/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(37 - 3) | 2.94118e-05 |
| ND<0.03 U (4/7/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(38 - 3) | 2.85714e-05 |
| ND<0.03 U (8/2/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(39 - 3) | 2.77778e-05 |
| ND<0.03 U (11/16/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(40 - 3) | 2.7027e-05 |
| 0.093 (2/14/2023) | 0.029 (9/23/2013) | (0.093 - 0.029)/(41 - 3) | 0.00168421 |
| 0.67 (5/25/2023) | 0.029 (9/23/2013) | (0.67 - 0.029)/(42 - 3) | 0.0164359 |
| ND<0.03 U (8/7/2023) | 0.029 (9/23/2013) | (0.03 - 0.029)/(43 - 3) | 2.5e-05 |
| ND<0.014 U (12/12/2023) | 0.029 (9/23/2013) | (0.014 - 0.029)/(44 - 3) | -0.000365854 |
| ND<0.014 U (1/10/2024) | 0.029 (9/23/2013) | (0.014 - 0.029)/(45 - 3) | -0.000357143 |
| ND<0.03 U (5/21/2024) | 0.029 (9/23/2013) | (0.03 - 0.029)/(46 - 3) | 2.32558e-05 |
| ND<0.014 U (9/16/2024) | 0.029 (9/23/2013) | (0.014 - 0.029)/(47 - 3) | -0.000340909 |
| 0.15 (12/11/2024) | 0.029 (9/23/2013) | (0.15 - 0.029)/(48 - 3) | 0.00268889 |
| 0.046 (2/18/2025) | 0.029 (9/23/2013) | (0.046 - 0.029)/(49 - 3) | 0.000369565 |
| | | | |
| ND<0.025 U (2/6/2014) | 0.043 (12/10/2013) | (0.025 - 0.043)/(5 - 4) | -0.018 |
| ND<0.025 U (6/26/2014) | 0.043 (12/10/2013) | (0.025 - 0.043)/(6 - 4) | -0.009 |
| ND<0.025 U (9/30/2014) | 0.043 (12/10/2013) | (0.025 - 0.043)/(7 - 4) | -0.006 |
| ND<0.025 U (11/19/2014) | 0.043 (12/10/2013) | (0.025 - 0.043)/(8 - 4) | -0.0045 |
| ND<0.025 U (3/23/2015) | 0.043 (12/10/2013) | (0.025 - 0.043)/(9 - 4) | -0.0036 |
| ND<0.025 U (4/22/2015) | 0.043 (12/10/2013) | (0.025 - 0.043)/(10 - 4) | -0.003 |
| ND<0.025 U (9/30/2015) | 0.043 (12/10/2013) | (0.025 - 0.043)/(11 - 4) | -0.00257143 |
| ND<0.025 U (11/19/2015) | 0.043 (12/10/2013) | (0.025 - 0.043)/(12 - 4) | -0.00225 |
| ND<0.025 U (3/15/2016) | 0.043 (12/10/2013) | (0.025 - 0.043)/(13 - 4) | -0.002 |
| 0.066 (6/29/2016) | 0.043 (12/10/2013) | (0.066 - 0.043)/(14 - 4) | 0.0023 |
| ND<0.025 U (8/9/2016) | 0.043 (12/10/2013) | (0.025 - 0.043)/(15 - 4) | -0.00163636 |
| ND<0.025 U (12/7/2016) | 0.043 (12/10/2013) | (0.025 - 0.043)/(16 - 4) | -0.0015 |
| ND<0.025 U (3/2/2017) | 0.043 (12/10/2013) | (0.025 - 0.043)/(17 - 4) | -0.00138462 |
| ND<0.025 U (7/5/2017) | 0.043 (12/10/2013) | (0.025 - 0.043)/(18 - 4) | -0.00128571 |
| ND<0.025 U (8/16/2017) | 0.043 (12/10/2013) | (0.025 - 0.043)/(19 - 4) | -0.0012 |
| ND<0.025 U (10/25/2017) | 0.043 (12/10/2013) | (0.025 - 0.043)/(20 - 4) | -0.001125 |
| ND<0.025 U (3/28/2018) | 0.043 (12/10/2013) | (0.025 - 0.043)/(21 - 4) | -0.00105882 |
| ND<0.025 U (6/29/2018) | 0.043 (12/10/2013) | (0.025 - 0.043)/(22 - 4) | -0.001 |

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|---|---|---|---|
| ND<0.025 U (8/2/2018) | 0.043 (12/10/2013) | (0.025 - 0.043)/(23 - 4) | -0.000947368 |
| ND<0.025 U (12/10/2018) | 0.043 (12/10/2013) | (0.025 - 0.043)/(24 - 4) | -0.0009 |
| ND<0.025 U (4/15/2019) | 0.043 (12/10/2013) | (0.025 - 0.043)/(25 - 4) | -0.000857143 |
| ND<0.025 U (6/12/2019) | 0.043 (12/10/2013) | (0.025 - 0.043)/(26 - 4) | -0.000818182 |
| ND<0.025 U (8/27/2019) | 0.043 (12/10/2013) | (0.025 - 0.043)/(27 - 4) | -0.000782609 |
| ND<0.025 U (10/29/2019) | 0.043 (12/10/2013) | (0.025 - 0.043)/(28 - 4) | -0.00075 |
| ND<0.025 U (3/30/2020) | 0.043 (12/10/2013) | (0.025 - 0.043)/(29 - 4) | -0.00072 |
| ND<0.03 U (6/16/2020) | 0.043 (12/10/2013) | (0.03 - 0.043)/(30 - 4) | -0.0005 |
| ND<0.03 U (9/21/2020) | 0.043 (12/10/2013) | (0.03 - 0.043)/(31 - 4) | -0.000481481 |
| ND<0.03 U (12/17/2020) | 0.043 (12/10/2013) | (0.03 - 0.043)/(32 - 4) | -0.000464286 |
| ND<0.03 U (3/18/2021) | 0.043 (12/10/2013) | (0.03 - 0.043)/(33 - 4) | -0.000448276 |
| ND<0.03 U (5/5/2021) | 0.043 (12/10/2013) | (0.03 - 0.043)/(34 - 4) | -0.000433333 |
| ND<0.03 U (9/2/2021) | 0.043 (12/10/2013) | (0.03 - 0.043)/(35 - 4) | -0.000419355 |
| ND<0.03 U (11/23/2021) | 0.043 (12/10/2013) | (0.03 - 0.043)/(36 - 4) | -0.00040625 |
| ND<0.03 U (1/11/2022) | 0.043 (12/10/2013) | (0.03 - 0.043)/(37 - 4) | -0.000393939 |
| ND<0.03 U (4/7/2022) | 0.043 (12/10/2013) | (0.03 - 0.043)/(38 - 4) | -0.000382353 |
| ND<0.03 U (8/2/2022) | 0.043 (12/10/2013) | (0.03 - 0.043)/(39 - 4) | -0.000371429 |
| ND<0.03 U (11/16/2022) | 0.043 (12/10/2013) | (0.03 - 0.043)/(40 - 4) | -0.000361111 |
| 0.093 (2/14/2023) | 0.043 (12/10/2013) | (0.093 - 0.043)/(41 - 4) | 0.00135135 |
| 0.67 (5/25/2023) | 0.043 (12/10/2013) | (0.67 - 0.043)/(42 - 4) | 0.0165 |
| ND<0.03 U (8/7/2023) | 0.043 (12/10/2013) | (0.03 - 0.043)/(43 - 4) | -0.000333333 |
| ND<0.014 U (12/12/2023) | 0.043 (12/10/2013) | (0.014 - 0.043)/(44 - 4) | -0.000725 |
| ND<0.014 U (1/10/2024) | 0.043 (12/10/2013) | (0.014 - 0.043)/(45 - 4) | -0.000707317 |
| ND<0.03 U (5/21/2024) | 0.043 (12/10/2013) | (0.03 - 0.043)/(46 - 4) | -0.000309524 |
| ND<0.014 U (9/16/2024) | 0.043 (12/10/2013) | (0.014 - 0.043)/(47 - 4) | -0.000674419 |
| 0.15 (12/11/2024) | 0.043 (12/10/2013) | (0.15 - 0.043)/(48 - 4) | 0.00243182 |
| 0.046 (2/18/2025) | 0.043 (12/10/2013) | (0.046 - 0.043)/(49 - 4) | 6.66667e-05 |

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|---|---|---|---|
| ND<0.025 U (6/26/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(6 - 5) | 0 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(7 - 5) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(8 - 5) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(9 - 5) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(10 - 5) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(11 - 5) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(12 - 5) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(13 - 5) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (2/6/2014) | (0.066 - 0.025)/(14 - 5) | 0.00455556 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(15 - 5) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(16 - 5) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(17 - 5) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(18 - 5) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(19 - 5) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(20 - 5) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(21 - 5) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(22 - 5) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(23 - 5) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(24 - 5) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(25 - 5) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(26 - 5) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(27 - 5) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(28 - 5) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(29 - 5) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(30 - 5) | 0.0002 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(31 - 5) | 0.000192308 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(32 - 5) | 0.000185185 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(33 - 5) | 0.000178571 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(34 - 5) | 0.000172414 |

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|---|---|---|---|
| ND<0.03 U (9/2/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(35 - 5) | 0.000166667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(36 - 5) | 0.00016129 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(37 - 5) | 0.00015625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(38 - 5) | 0.000151515 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(39 - 5) | 0.000147059 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(40 - 5) | 0.000142857 |
| 0.093 (2/14/2023) | ND<0.025 U (2/6/2014) | (0.093 - 0.025)/(41 - 5) | 0.00188889 |
| 0.67 (5/25/2023) | ND<0.025 U (2/6/2014) | (0.67 - 0.025)/(42 - 5) | 0.0174324 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(43 - 5) | 0.000131579 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(44 - 5) | -0.000282051 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(45 - 5) | -0.000275 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(46 - 5) | 0.000121951 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(47 - 5) | -0.000261905 |
| 0.15 (12/11/2024) | ND<0.025 U (2/6/2014) | (0.15 - 0.025)/(48 - 5) | 0.00290698 |
| 0.046 (2/18/2025) | ND<0.025 U (2/6/2014) | (0.046 - 0.025)/(49 - 5) | 0.000477273 |
| | | | |
| ND<0.025 U (9/30/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(7 - 6) | 0 |
| ND<0.025 U (11/19/2014) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(8 - 6) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(9 - 6) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(10 - 6) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(11 - 6) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(12 - 6) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(13 - 6) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (6/26/2014) | (0.066 - 0.025)/(14 - 6) | 0.005125 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(15 - 6) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(16 - 6) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(17 - 6) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(18 - 6) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(19 - 6) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(20 - 6) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(21 - 6) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(22 - 6) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(23 - 6) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(24 - 6) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(25 - 6) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(26 - 6) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(27 - 6) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(28 - 6) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/26/2014) | (0.025 - 0.025)/(29 - 6) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(30 - 6) | 0.000208333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(31 - 6) | 0.0002 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(32 - 6) | 0.000192308 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(33 - 6) | 0.000185185 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(34 - 6) | 0.000178571 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(35 - 6) | 0.000172414 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(36 - 6) | 0.000166667 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(37 - 6) | 0.00016129 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(38 - 6) | 0.00015625 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(39 - 6) | 0.000151515 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(40 - 6) | 0.000147059 |
| 0.093 (2/14/2023) | ND<0.025 U (6/26/2014) | (0.093 - 0.025)/(41 - 6) | 0.00194286 |
| 0.67 (5/25/2023) | ND<0.025 U (6/26/2014) | (0.67 - 0.025)/(42 - 6) | 0.0179167 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(43 - 6) | 0.000135135 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(44 - 6) | -0.000289474 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(45 - 6) | -0.000282051 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/26/2014) | (0.03 - 0.025)/(46 - 6) | 0.000125 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/26/2014) | (0.014 - 0.025)/(47 - 6) | -0.000268293 |

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|---|---|---|---|
| 0.15 (12/11/2024) | ND<0.025 U (6/26/2014) | (0.15 - 0.025)/(48 - 6) | 0.00297619 |
| 0.046 (2/18/2025) | ND<0.025 U (6/26/2014) | (0.046 - 0.025)/(49 - 6) | 0.000488372 |
| | | | |
| ND<0.025 U (11/19/2014) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(8 - 7) | 0 |
| ND<0.025 U (3/23/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(9 - 7) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(12 - 7) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(13 - 7) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (9/30/2014) | (0.066 - 0.025)/(14 - 7) | 0.00585714 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(18 - 7) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(19 - 7) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(20 - 7) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(23 - 7) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 7) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(28 - 7) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(29 - 7) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(32 - 7) | 0.0002 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 7) | 0.000185185 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 7) | 0.000166667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(38 - 7) | 0.00016129 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(40 - 7) | 0.000151515 |
| 0.093 (2/14/2023) | ND<0.025 U (9/30/2014) | (0.093 - 0.025)/(41 - 7) | 0.002 |
| 0.67 (5/25/2023) | ND<0.025 U (9/30/2014) | (0.67 - 0.025)/(42 - 7) | 0.0184286 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(43 - 7) | 0.000138889 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(44 - 7) | -0.000297297 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(45 - 7) | -0.000289474 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(46 - 7) | 0.000128205 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(47 - 7) | -0.000275 |
| 0.15 (12/11/2024) | ND<0.025 U (9/30/2014) | (0.15 - 0.025)/(48 - 7) | 0.00304878 |
| 0.046 (2/18/2025) | ND<0.025 U (9/30/2014) | (0.046 - 0.025)/(49 - 7) | 0.0005 |
| | | | |
| ND<0.025 U (3/23/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(9 - 8) | 0 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(10 - 8) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(11 - 8) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(12 - 8) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(13 - 8) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (11/19/2014) | (0.066 - 0.025)/(14 - 8) | 0.00683333 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(15 - 8) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(16 - 8) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(17 - 8) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(18 - 8) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(19 - 8) | 0 |

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|---|---|---|---|
| ND<0.025 U (10/25/2017) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(20 - 8) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(21 - 8) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(22 - 8) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(23 - 8) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(24 - 8) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(25 - 8) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(26 - 8) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(27 - 8) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(28 - 8) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (11/19/2014) | (0.025 - 0.025)/(29 - 8) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(30 - 8) | 0.000227273 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(31 - 8) | 0.000217391 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(32 - 8) | 0.000208333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(33 - 8) | 0.0002 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(34 - 8) | 0.000192308 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(35 - 8) | 0.000185185 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(36 - 8) | 0.000178571 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(37 - 8) | 0.000172414 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(38 - 8) | 0.000166667 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(39 - 8) | 0.00016129 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(40 - 8) | 0.00015625 |
| 0.093 (2/14/2023) | ND<0.025 U (11/19/2014) | (0.093 - 0.025)/(41 - 8) | 0.00206061 |
| 0.67 (5/25/2023) | ND<0.025 U (11/19/2014) | (0.67 - 0.025)/(42 - 8) | 0.0189706 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(43 - 8) | 0.000142857 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2014) | (0.014 - 0.025)/(44 - 8) | -0.000305556 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (11/19/2014) | (0.014 - 0.025)/(45 - 8) | -0.000297297 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (11/19/2014) | (0.03 - 0.025)/(46 - 8) | 0.000131579 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (11/19/2014) | (0.014 - 0.025)/(47 - 8) | -0.000282051 |
| 0.15 (12/11/2024) | ND<0.025 U (11/19/2014) | (0.15 - 0.025)/(48 - 8) | 0.003125 |
| 0.046 (2/18/2025) | ND<0.025 U (11/19/2014) | (0.046 - 0.025)/(49 - 8) | 0.000512195 |

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|---|---|---|---|
| ND<0.025 U (4/22/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(10 - 9) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(11 - 9) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(12 - 9) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(13 - 9) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (3/23/2015) | (0.066 - 0.025)/(14 - 9) | 0.0082 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(15 - 9) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(16 - 9) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(17 - 9) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(18 - 9) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(19 - 9) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(20 - 9) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(21 - 9) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(22 - 9) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(23 - 9) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(24 - 9) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(25 - 9) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(26 - 9) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(27 - 9) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(28 - 9) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/23/2015) | (0.025 - 0.025)/(29 - 9) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(30 - 9) | 0.000238095 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(31 - 9) | 0.000227273 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(32 - 9) | 0.000217391 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(33 - 9) | 0.000208333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(34 - 9) | 0.0002 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(35 - 9) | 0.000192308 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(36 - 9) | 0.000185185 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(37 - 9) | 0.000178571 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(38 - 9) | 0.000172414 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(39 - 9) | 0.000166667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(40 - 9) | 0.00016129 |
| 0.093 (2/14/2023) | ND<0.025 U (3/23/2015) | (0.093 - 0.025)/(41 - 9) | 0.002125 |
| 0.67 (5/25/2023) | ND<0.025 U (3/23/2015) | (0.67 - 0.025)/(42 - 9) | 0.0195455 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(43 - 9) | 0.000147059 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(44 - 9) | -0.000314286 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(45 - 9) | -0.000305556 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/23/2015) | (0.03 - 0.025)/(46 - 9) | 0.000135135 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/23/2015) | (0.014 - 0.025)/(47 - 9) | -0.000289474 |
| 0.15 (12/11/2024) | ND<0.025 U (3/23/2015) | (0.15 - 0.025)/(48 - 9) | 0.00320513 |
| 0.046 (2/18/2025) | ND<0.025 U (3/23/2015) | (0.046 - 0.025)/(49 - 9) | 0.000525 |
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| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| ND<0.025 U (11/19/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(12 - 10) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(13 - 10) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (4/22/2015) | (0.066 - 0.025)/(14 - 10) | 0.01025 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(18 - 10) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(19 - 10) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(20 - 10) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(23 - 10) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(28 - 10) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(29 - 10) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(32 - 10) | 0.000227273 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(38 - 10) | 0.000178571 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(40 - 10) | 0.000166667 |
| 0.093 (2/14/2023) | ND<0.025 U (4/22/2015) | (0.093 - 0.025)/(41 - 10) | 0.00219355 |
| 0.67 (5/25/2023) | ND<0.025 U (4/22/2015) | (0.67 - 0.025)/(42 - 10) | 0.0201563 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(43 - 10) | 0.000151515 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(44 - 10) | -0.000323529 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(45 - 10) | -0.000314286 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(46 - 10) | 0.000138889 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(47 - 10) | -0.000297297 |
| 0.15 (12/11/2024) | ND<0.025 U (4/22/2015) | (0.15 - 0.025)/(48 - 10) | 0.00328947 |
| 0.046 (2/18/2025) | ND<0.025 U (4/22/2015) | (0.046 - 0.025)/(49 - 10) | 0.000538462 |
| | | | |
| ND<0.025 U (11/19/2015) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(12 - 11) | 0 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(13 - 11) | 0 |

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|---|---|---|---|
| 0.066 (6/29/2016) | ND<0.025 U (9/30/2015) | (0.066 - 0.025)/(14 - 11) | 0.0136667 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(18 - 11) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(19 - 11) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(20 - 11) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(23 - 11) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(28 - 11) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(29 - 11) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(32 - 11) | 0.000238095 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(38 - 11) | 0.000185185 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(40 - 11) | 0.000172414 |
| 0.093 (2/14/2023) | ND<0.025 U (9/30/2015) | (0.093 - 0.025)/(41 - 11) | 0.00226667 |
| 0.67 (5/25/2023) | ND<0.025 U (9/30/2015) | (0.67 - 0.025)/(42 - 11) | 0.0208065 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(43 - 11) | 0.00015625 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(44 - 11) | -0.000333333 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(45 - 11) | -0.000323529 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(46 - 11) | 0.000142857 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(47 - 11) | -0.000305556 |
| 0.15 (12/11/2024) | ND<0.025 U (9/30/2015) | (0.15 - 0.025)/(48 - 11) | 0.00337838 |
| 0.046 (2/18/2025) | ND<0.025 U (9/30/2015) | (0.046 - 0.025)/(49 - 11) | 0.000552632 |
| | | | |
| ND<0.025 U (3/15/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(13 - 12) | 0 |
| 0.066 (6/29/2016) | ND<0.025 U (11/19/2015) | (0.066 - 0.025)/(14 - 12) | 0.0205 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(15 - 12) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(16 - 12) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(17 - 12) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(18 - 12) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(19 - 12) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(20 - 12) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(21 - 12) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(22 - 12) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(23 - 12) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(24 - 12) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(25 - 12) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(26 - 12) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(27 - 12) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(28 - 12) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (11/19/2015) | (0.025 - 0.025)/(29 - 12) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(30 - 12) | 0.000277778 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(31 - 12) | 0.000263158 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(32 - 12) | 0.00025 |

| | | | |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(33 - 12) | 0.000238095 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(34 - 12) | 0.000227273 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(35 - 12) | 0.000217391 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(36 - 12) | 0.000208333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(37 - 12) | 0.0002 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(38 - 12) | 0.000192308 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(39 - 12) | 0.000185185 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(40 - 12) | 0.000178571 |
| 0.093 (2/14/2023) | ND<0.025 U (11/19/2015) | (0.093 - 0.025)/(41 - 12) | 0.00234483 |
| 0.67 (5/25/2023) | ND<0.025 U (11/19/2015) | (0.67 - 0.025)/(42 - 12) | 0.0215 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(43 - 12) | 0.00016129 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(44 - 12) | -0.00034375 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(45 - 12) | -0.000333333 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (11/19/2015) | (0.03 - 0.025)/(46 - 12) | 0.000147059 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (11/19/2015) | (0.014 - 0.025)/(47 - 12) | -0.000314286 |
| 0.15 (12/11/2024) | ND<0.025 U (11/19/2015) | (0.15 - 0.025)/(48 - 12) | 0.00347222 |
| 0.046 (2/18/2025) | ND<0.025 U (11/19/2015) | (0.046 - 0.025)/(49 - 12) | 0.000567568 |
| | | | |
| 0.066 (6/29/2016) | ND<0.025 U (3/15/2016) | (0.066 - 0.025)/(14 - 13) | 0.041 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(15 - 13) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(16 - 13) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(17 - 13) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(18 - 13) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(19 - 13) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(20 - 13) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(21 - 13) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(22 - 13) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(23 - 13) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(24 - 13) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(25 - 13) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(26 - 13) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(27 - 13) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(28 - 13) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(29 - 13) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(30 - 13) | 0.000294118 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(31 - 13) | 0.000277778 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(32 - 13) | 0.000263158 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(33 - 13) | 0.00025 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(34 - 13) | 0.000238095 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(35 - 13) | 0.000227273 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(36 - 13) | 0.000217391 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(37 - 13) | 0.000208333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(38 - 13) | 0.0002 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(39 - 13) | 0.000192308 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(40 - 13) | 0.000185185 |
| 0.093 (2/14/2023) | ND<0.025 U (3/15/2016) | (0.093 - 0.025)/(41 - 13) | 0.00242857 |
| 0.67 (5/25/2023) | ND<0.025 U (3/15/2016) | (0.67 - 0.025)/(42 - 13) | 0.0222414 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(43 - 13) | 0.000166667 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(44 - 13) | -0.000354839 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(45 - 13) | -0.00034375 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(46 - 13) | 0.000151515 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(47 - 13) | -0.000323529 |
| 0.15 (12/11/2024) | ND<0.025 U (3/15/2016) | (0.15 - 0.025)/(48 - 13) | 0.00357143 |
| 0.046 (2/18/2025) | ND<0.025 U (3/15/2016) | (0.046 - 0.025)/(49 - 13) | 0.000583333 |
| | | | |
| ND<0.025 U (8/9/2016) | 0.066 (6/29/2016) | (0.025 - 0.066)/(15 - 14) | -0.041 |
| ND<0.025 U (12/7/2016) | 0.066 (6/29/2016) | (0.025 - 0.066)/(16 - 14) | -0.0205 |

| | | | |
|---|---|---|---|
| ND<0.025 U (3/2/2017) | 0.066 (6/29/2016) | (0.025 - 0.066)/(17 - 14) | -0.0136667 |
| ND<0.025 U (7/5/2017) | 0.066 (6/29/2016) | (0.025 - 0.066)/(18 - 14) | -0.01025 |
| ND<0.025 U (8/16/2017) | 0.066 (6/29/2016) | (0.025 - 0.066)/(19 - 14) | -0.0082 |
| ND<0.025 U (10/25/2017) | 0.066 (6/29/2016) | (0.025 - 0.066)/(20 - 14) | -0.00683333 |
| ND<0.025 U (3/28/2018) | 0.066 (6/29/2016) | (0.025 - 0.066)/(21 - 14) | -0.00585714 |
| ND<0.025 U (6/29/2018) | 0.066 (6/29/2016) | (0.025 - 0.066)/(22 - 14) | -0.005125 |
| ND<0.025 U (8/2/2018) | 0.066 (6/29/2016) | (0.025 - 0.066)/(23 - 14) | -0.00455556 |
| ND<0.025 U (12/10/2018) | 0.066 (6/29/2016) | (0.025 - 0.066)/(24 - 14) | -0.0041 |
| ND<0.025 U (4/15/2019) | 0.066 (6/29/2016) | (0.025 - 0.066)/(25 - 14) | -0.00372727 |
| ND<0.025 U (6/12/2019) | 0.066 (6/29/2016) | (0.025 - 0.066)/(26 - 14) | -0.00341667 |
| ND<0.025 U (8/27/2019) | 0.066 (6/29/2016) | (0.025 - 0.066)/(27 - 14) | -0.00315385 |
| ND<0.025 U (10/29/2019) | 0.066 (6/29/2016) | (0.025 - 0.066)/(28 - 14) | -0.00292857 |
| ND<0.025 U (3/30/2020) | 0.066 (6/29/2016) | (0.025 - 0.066)/(29 - 14) | -0.00273333 |
| ND<0.03 U (6/16/2020) | 0.066 (6/29/2016) | (0.03 - 0.066)/(30 - 14) | -0.00225 |
| ND<0.03 U (9/21/2020) | 0.066 (6/29/2016) | (0.03 - 0.066)/(31 - 14) | -0.00211765 |
| ND<0.03 U (12/17/2020) | 0.066 (6/29/2016) | (0.03 - 0.066)/(32 - 14) | -0.002 |
| ND<0.03 U (3/18/2021) | 0.066 (6/29/2016) | (0.03 - 0.066)/(33 - 14) | -0.00189474 |
| ND<0.03 U (5/5/2021) | 0.066 (6/29/2016) | (0.03 - 0.066)/(34 - 14) | -0.0018 |
| ND<0.03 U (9/2/2021) | 0.066 (6/29/2016) | (0.03 - 0.066)/(35 - 14) | -0.00171429 |
| ND<0.03 U (11/23/2021) | 0.066 (6/29/2016) | (0.03 - 0.066)/(36 - 14) | -0.00163636 |
| ND<0.03 U (1/11/2022) | 0.066 (6/29/2016) | (0.03 - 0.066)/(37 - 14) | -0.00156522 |
| ND<0.03 U (4/7/2022) | 0.066 (6/29/2016) | (0.03 - 0.066)/(38 - 14) | -0.0015 |
| ND<0.03 U (8/2/2022) | 0.066 (6/29/2016) | (0.03 - 0.066)/(39 - 14) | -0.00144 |
| ND<0.03 U (11/16/2022) | 0.066 (6/29/2016) | (0.03 - 0.066)/(40 - 14) | -0.00138462 |
| 0.093 (2/14/2023) | 0.066 (6/29/2016) | (0.093 - 0.066)/(41 - 14) | 0.001 |
| 0.67 (5/25/2023) | 0.066 (6/29/2016) | (0.67 - 0.066)/(42 - 14) | 0.0215714 |
| ND<0.03 U (8/7/2023) | 0.066 (6/29/2016) | (0.03 - 0.066)/(43 - 14) | -0.00124138 |
| ND<0.014 U (12/12/2023) | 0.066 (6/29/2016) | (0.014 - 0.066)/(44 - 14) | -0.00173333 |
| ND<0.014 U (1/10/2024) | 0.066 (6/29/2016) | (0.014 - 0.066)/(45 - 14) | -0.00167742 |
| ND<0.03 U (5/21/2024) | 0.066 (6/29/2016) | (0.03 - 0.066)/(46 - 14) | -0.001125 |
| ND<0.014 U (9/16/2024) | 0.066 (6/29/2016) | (0.014 - 0.066)/(47 - 14) | -0.00157576 |
| 0.15 (12/11/2024) | 0.066 (6/29/2016) | (0.15 - 0.066)/(48 - 14) | 0.00247059 |
| 0.046 (2/18/2025) | 0.066 (6/29/2016) | (0.046 - 0.066)/(49 - 14) | -0.000571429 |

| | | | |
|---|---|---|---|
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(18 - 15) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(19 - 15) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(20 - 15) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(23 - 15) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(28 - 15) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(29 - 15) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(32 - 15) | 0.000294118 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(38 - 15) | 0.000217391 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(40 - 15) | 0.0002 |
| 0.093 (2/14/2023) | ND<0.025 U (8/9/2016) | (0.093 - 0.025)/(41 - 15) | 0.00261538 |
| 0.67 (5/25/2023) | ND<0.025 U (8/9/2016) | (0.67 - 0.025)/(42 - 15) | 0.0238889 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(43 - 15) | 0.000178571 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(44 - 15) | -0.00037931 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(45 - 15) | -0.000366667 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(46 - 15) | 0.00016129 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(47 - 15) | -0.00034375 |
| 0.15 (12/11/2024) | ND<0.025 U (8/9/2016) | (0.15 - 0.025)/(48 - 15) | 0.00378788 |
| 0.046 (2/18/2025) | ND<0.025 U (8/9/2016) | (0.046 - 0.025)/(49 - 15) | 0.000617647 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| ND<0.025 U (7/5/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(18 - 16) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(19 - 16) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(20 - 16) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(23 - 16) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(28 - 16) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(29 - 16) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(32 - 16) | 0.0003125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(38 - 16) | 0.000227273 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(40 - 16) | 0.000208333 |
| 0.093 (2/14/2023) | ND<0.025 U (12/7/2016) | (0.093 - 0.025)/(41 - 16) | 0.00272 |
| 0.67 (5/25/2023) | ND<0.025 U (12/7/2016) | (0.67 - 0.025)/(42 - 16) | 0.0248077 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(43 - 16) | 0.000185185 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(44 - 16) | -0.000392857 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(45 - 16) | -0.00037931 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(46 - 16) | 0.000166667 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(47 - 16) | -0.000354839 |
| 0.15 (12/11/2024) | ND<0.025 U (12/7/2016) | (0.15 - 0.025)/(48 - 16) | 0.00390625 |
| 0.046 (2/18/2025) | ND<0.025 U (12/7/2016) | (0.046 - 0.025)/(49 - 16) | 0.000636364 |
| | | | |
| ND<0.025 U (7/5/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(18 - 17) | 0 |
| ND<0.025 U (8/16/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(19 - 17) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(20 - 17) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(23 - 17) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(28 - 17) | 0 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(29 - 17) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(32 - 17) | 0.000333333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(38 - 17) | 0.000238095 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(40 - 17) | 0.000217391 |
| 0.093 (2/14/2023) | ND<0.025 U (3/2/2017) | (0.093 - 0.025)/(41 - 17) | 0.00283333 |
| 0.67 (5/25/2023) | ND<0.025 U (3/2/2017) | (0.67 - 0.025)/(42 - 17) | 0.0258 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(43 - 17) | 0.000192308 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(44 - 17) | -0.000407407 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(45 - 17) | -0.000392857 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(46 - 17) | 0.000172414 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(47 - 17) | -0.000366667 |
| 0.15 (12/11/2024) | ND<0.025 U (3/2/2017) | (0.15 - 0.025)/(48 - 17) | 0.00403226 |
| 0.046 (2/18/2025) | ND<0.025 U (3/2/2017) | (0.046 - 0.025)/(49 - 17) | 0.00065625 |
| | | | |
| ND<0.025 U (8/16/2017) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(19 - 18) | 0 |
| ND<0.025 U (10/25/2017) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(20 - 18) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(21 - 18) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(22 - 18) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(23 - 18) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(24 - 18) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(25 - 18) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(26 - 18) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(27 - 18) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(28 - 18) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (7/5/2017) | (0.025 - 0.025)/(29 - 18) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(30 - 18) | 0.000416667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(31 - 18) | 0.000384615 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(32 - 18) | 0.000357143 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(33 - 18) | 0.000333333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(34 - 18) | 0.0003125 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(35 - 18) | 0.000294118 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(36 - 18) | 0.000277778 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(37 - 18) | 0.000263158 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(38 - 18) | 0.00025 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(39 - 18) | 0.000238095 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(40 - 18) | 0.000227273 |
| 0.093 (2/14/2023) | ND<0.025 U (7/5/2017) | (0.093 - 0.025)/(41 - 18) | 0.00295652 |
| 0.67 (5/25/2023) | ND<0.025 U (7/5/2017) | (0.67 - 0.025)/(42 - 18) | 0.026875 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(43 - 18) | 0.0002 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (7/5/2017) | (0.014 - 0.025)/(44 - 18) | -0.000423077 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (7/5/2017) | (0.014 - 0.025)/(45 - 18) | -0.000407407 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (7/5/2017) | (0.03 - 0.025)/(46 - 18) | 0.000178571 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (7/5/2017) | (0.014 - 0.025)/(47 - 18) | -0.00037931 |
| 0.15 (12/11/2024) | ND<0.025 U (7/5/2017) | (0.15 - 0.025)/(48 - 18) | 0.00416667 |
| 0.046 (2/18/2025) | ND<0.025 U (7/5/2017) | (0.046 - 0.025)/(49 - 18) | 0.000677419 |
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| ND<0.025 U (10/25/2017) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(20 - 19) | 0 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(21 - 19) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(22 - 19) | 0 |

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|---|---|---|---|
| ND<0.025 U (8/2/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(23 - 19) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(24 - 19) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(25 - 19) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(26 - 19) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(27 - 19) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(28 - 19) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/16/2017) | (0.025 - 0.025)/(29 - 19) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(30 - 19) | 0.000454545 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(31 - 19) | 0.000416667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(32 - 19) | 0.000384615 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(33 - 19) | 0.000357143 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(34 - 19) | 0.000333333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(35 - 19) | 0.0003125 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(36 - 19) | 0.000294118 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(37 - 19) | 0.000277778 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(38 - 19) | 0.000263158 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(39 - 19) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(40 - 19) | 0.000238095 |
| 0.093 (2/14/2023) | ND<0.025 U (8/16/2017) | (0.093 - 0.025)/(41 - 19) | 0.00309091 |
| 0.67 (5/25/2023) | ND<0.025 U (8/16/2017) | (0.67 - 0.025)/(42 - 19) | 0.0280435 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(43 - 19) | 0.000208333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(44 - 19) | -0.00044 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(45 - 19) | -0.000423077 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/16/2017) | (0.03 - 0.025)/(46 - 19) | 0.000185185 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/16/2017) | (0.014 - 0.025)/(47 - 19) | -0.000392857 |
| 0.15 (12/11/2024) | ND<0.025 U (8/16/2017) | (0.15 - 0.025)/(48 - 19) | 0.00431034 |
| 0.046 (2/18/2025) | ND<0.025 U (8/16/2017) | (0.046 - 0.025)/(49 - 19) | 0.0007 |

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|---|---|---|---|
| ND<0.025 U (3/28/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(21 - 20) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(22 - 20) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(23 - 20) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(24 - 20) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(25 - 20) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(26 - 20) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(27 - 20) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(28 - 20) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (10/25/2017) | (0.025 - 0.025)/(29 - 20) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(30 - 20) | 0.0005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(31 - 20) | 0.000454545 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(32 - 20) | 0.000416667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(33 - 20) | 0.000384615 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(34 - 20) | 0.000357143 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(35 - 20) | 0.000333333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(36 - 20) | 0.0003125 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(37 - 20) | 0.000294118 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(38 - 20) | 0.000277778 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(39 - 20) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(40 - 20) | 0.00025 |
| 0.093 (2/14/2023) | ND<0.025 U (10/25/2017) | (0.093 - 0.025)/(41 - 20) | 0.0032381 |
| 0.67 (5/25/2023) | ND<0.025 U (10/25/2017) | (0.67 - 0.025)/(42 - 20) | 0.0293182 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(43 - 20) | 0.000217391 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/25/2017) | (0.014 - 0.025)/(44 - 20) | -0.000458333 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (10/25/2017) | (0.014 - 0.025)/(45 - 20) | -0.00044 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (10/25/2017) | (0.03 - 0.025)/(46 - 20) | 0.000192308 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/25/2017) | (0.014 - 0.025)/(47 - 20) | -0.000407407 |
| 0.15 (12/11/2024) | ND<0.025 U (10/25/2017) | (0.15 - 0.025)/(48 - 20) | 0.00446429 |
| 0.046 (2/18/2025) | ND<0.025 U (10/25/2017) | (0.046 - 0.025)/(49 - 20) | 0.000724138 |

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|---|---|---|---|
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(23 - 21) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(28 - 21) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(29 - 21) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(32 - 21) | 0.000454545 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(38 - 21) | 0.000294118 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(40 - 21) | 0.000263158 |
| 0.093 (2/14/2023) | ND<0.025 U (3/28/2018) | (0.093 - 0.025)/(41 - 21) | 0.0034 |
| 0.67 (5/25/2023) | ND<0.025 U (3/28/2018) | (0.67 - 0.025)/(42 - 21) | 0.0307143 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(43 - 21) | 0.000227273 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(44 - 21) | -0.000478261 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(45 - 21) | -0.000458333 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(46 - 21) | 0.0002 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(47 - 21) | -0.000423077 |
| 0.15 (12/11/2024) | ND<0.025 U (3/28/2018) | (0.15 - 0.025)/(48 - 21) | 0.00462963 |
| 0.046 (2/18/2025) | ND<0.025 U (3/28/2018) | (0.046 - 0.025)/(49 - 21) | 0.00075 |
| | | | |
| ND<0.025 U (8/2/2018) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(23 - 22) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(28 - 22) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(29 - 22) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(32 - 22) | 0.0005 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(38 - 22) | 0.0003125 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(40 - 22) | 0.000277778 |
| 0.093 (2/14/2023) | ND<0.025 U (6/29/2018) | (0.093 - 0.025)/(41 - 22) | 0.00357895 |
| 0.67 (5/25/2023) | ND<0.025 U (6/29/2018) | (0.67 - 0.025)/(42 - 22) | 0.03225 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(43 - 22) | 0.000238095 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(44 - 22) | -0.0005 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(45 - 22) | -0.000478261 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(46 - 22) | 0.000208333 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(47 - 22) | -0.00044 |
| 0.15 (12/11/2024) | ND<0.025 U (6/29/2018) | (0.15 - 0.025)/(48 - 22) | 0.00480769 |
| 0.046 (2/18/2025) | ND<0.025 U (6/29/2018) | (0.046 - 0.025)/(49 - 22) | 0.000777778 |

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|---|---|---|---|
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(24 - 23) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(25 - 23) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(26 - 23) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(27 - 23) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(28 - 23) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(29 - 23) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(30 - 23) | 0.000714286 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(31 - 23) | 0.000625 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(32 - 23) | 0.000555556 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(33 - 23) | 0.0005 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(34 - 23) | 0.000454545 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(35 - 23) | 0.000416667 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(36 - 23) | 0.000384615 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(37 - 23) | 0.000357143 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(38 - 23) | 0.000333333 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(39 - 23) | 0.0003125 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(40 - 23) | 0.000294118 |
| 0.093 (2/14/2023) | ND<0.025 U (8/2/2018) | (0.093 - 0.025)/(41 - 23) | 0.00377778 |
| 0.67 (5/25/2023) | ND<0.025 U (8/2/2018) | (0.67 - 0.025)/(42 - 23) | 0.0339474 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(43 - 23) | 0.00025 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(44 - 23) | -0.00052381 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(45 - 23) | -0.0005 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(46 - 23) | 0.000217391 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(47 - 23) | -0.000458333 |
| 0.15 (12/11/2024) | ND<0.025 U (8/2/2018) | (0.15 - 0.025)/(48 - 23) | 0.005 |
| 0.046 (2/18/2025) | ND<0.025 U (8/2/2018) | (0.046 - 0.025)/(49 - 23) | 0.000807692 |
| | | | |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(28 - 24) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(29 - 24) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(32 - 24) | 0.000625 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(37 - 24) | 0.000384615 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(38 - 24) | 0.000357143 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(40 - 24) | 0.0003125 |
| 0.093 (2/14/2023) | ND<0.025 U (12/10/2018) | (0.093 - 0.025)/(41 - 24) | 0.004 |
| 0.67 (5/25/2023) | ND<0.025 U (12/10/2018) | (0.67 - 0.025)/(42 - 24) | 0.0358333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(43 - 24) | 0.000263158 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(44 - 24) | -0.00055 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(45 - 24) | -0.00052381 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(46 - 24) | 0.000227273 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(47 - 24) | -0.000478261 |
| 0.15 (12/11/2024) | ND<0.025 U (12/10/2018) | (0.15 - 0.025)/(48 - 24) | 0.00520833 |
| 0.046 (2/18/2025) | ND<0.025 U (12/10/2018) | (0.046 - 0.025)/(49 - 24) | 0.00084 |
| | | | |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(28 - 25) | 0 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(29 - 25) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(32 - 25) | 0.000714286 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(38 - 25) | 0.000384615 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(40 - 25) | 0.000333333 |
| 0.093 (2/14/2023) | ND<0.025 U (4/15/2019) | (0.093 - 0.025)/(41 - 25) | 0.00425 |
| 0.67 (5/25/2023) | ND<0.025 U (4/15/2019) | (0.67 - 0.025)/(42 - 25) | 0.0379412 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(43 - 25) | 0.000277778 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(44 - 25) | -0.000578947 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(45 - 25) | -0.00055 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(46 - 25) | 0.000238095 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(47 - 25) | -0.0005 |
| 0.15 (12/11/2024) | ND<0.025 U (4/15/2019) | (0.15 - 0.025)/(48 - 25) | 0.00543478 |
| 0.046 (2/18/2025) | ND<0.025 U (4/15/2019) | (0.046 - 0.025)/(49 - 25) | 0.000875 |
| | | | |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(28 - 26) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(29 - 26) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(32 - 26) | 0.000833333 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(35 - 26) | 0.000555556 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(37 - 26) | 0.000454545 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(38 - 26) | 0.000416667 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(40 - 26) | 0.000357143 |
| 0.093 (2/14/2023) | ND<0.025 U (6/12/2019) | (0.093 - 0.025)/(41 - 26) | 0.00453333 |
| 0.67 (5/25/2023) | ND<0.025 U (6/12/2019) | (0.67 - 0.025)/(42 - 26) | 0.0403125 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(43 - 26) | 0.000294118 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(44 - 26) | -0.000611111 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(45 - 26) | -0.000578947 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(46 - 26) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(47 - 26) | -0.00052381 |
| 0.15 (12/11/2024) | ND<0.025 U (6/12/2019) | (0.15 - 0.025)/(48 - 26) | 0.00568182 |
| 0.046 (2/18/2025) | ND<0.025 U (6/12/2019) | (0.046 - 0.025)/(49 - 26) | 0.000913043 |
| | | | |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(28 - 27) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(29 - 27) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(32 - 27) | 0.001 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(38 - 27) | 0.000454545 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(40 - 27) | 0.000384615 |
| 0.093 (2/14/2023) | ND<0.025 U (8/27/2019) | (0.093 - 0.025)/(41 - 27) | 0.00485714 |
| 0.67 (5/25/2023) | ND<0.025 U (8/27/2019) | (0.67 - 0.025)/(42 - 27) | 0.043 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(43 - 27) | 0.0003125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(44 - 27) | -0.000647059 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(45 - 27) | -0.000611111 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(46 - 27) | 0.000263158 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(47 - 27) | -0.00055 |
| 0.15 (12/11/2024) | ND<0.025 U (8/27/2019) | (0.15 - 0.025)/(48 - 27) | 0.00595238 |
| 0.046 (2/18/2025) | ND<0.025 U (8/27/2019) | (0.046 - 0.025)/(49 - 27) | 0.000954545 |
| | | | |
| ND<0.025 U (3/30/2020) | ND<0.025 U (10/29/2019) | (0.025 - 0.025)/(29 - 28) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(30 - 28) | 0.0025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(31 - 28) | 0.00166667 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(32 - 28) | 0.00125 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(33 - 28) | 0.001 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(34 - 28) | 0.000833333 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(35 - 28) | 0.000714286 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(36 - 28) | 0.000625 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(37 - 28) | 0.000555556 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(38 - 28) | 0.0005 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(39 - 28) | 0.000454545 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(40 - 28) | 0.000416667 |
| 0.093 (2/14/2023) | ND<0.025 U (10/29/2019) | (0.093 - 0.025)/(41 - 28) | 0.00523077 |
| 0.67 (5/25/2023) | ND<0.025 U (10/29/2019) | (0.67 - 0.025)/(42 - 28) | 0.0460714 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(43 - 28) | 0.000333333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(44 - 28) | -0.0006875 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(45 - 28) | -0.000647059 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(46 - 28) | 0.000277778 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(47 - 28) | -0.000578947 |
| 0.15 (12/11/2024) | ND<0.025 U (10/29/2019) | (0.15 - 0.025)/(48 - 28) | 0.00625 |
| 0.046 (2/18/2025) | ND<0.025 U (10/29/2019) | (0.046 - 0.025)/(49 - 28) | 0.001 |
| | | | |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(30 - 29) | 0.005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(31 - 29) | 0.0025 |
| ND<0.03 U (12/17/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(32 - 29) | 0.00166667 |
| ND<0.03 U (3/18/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(33 - 29) | 0.00125 |
| ND<0.03 U (5/5/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(34 - 29) | 0.001 |
| ND<0.03 U (9/2/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(35 - 29) | 0.000833333 |
| ND<0.03 U (11/23/2021) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(36 - 29) | 0.000714286 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(37 - 29) | 0.000625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(38 - 29) | 0.000555556 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(39 - 29) | 0.0005 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(40 - 29) | 0.000454545 |
| 0.093 (2/14/2023) | ND<0.025 U (3/30/2020) | (0.093 - 0.025)/(41 - 29) | 0.00566667 |
| 0.67 (5/25/2023) | ND<0.025 U (3/30/2020) | (0.67 - 0.025)/(42 - 29) | 0.0496154 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(43 - 29) | 0.000357143 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(44 - 29) | -0.000733333 |
| ND<0.014 U (1/10/2024) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(45 - 29) | -0.0006875 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(46 - 29) | 0.000294118 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(47 - 29) | -0.000611111 |
| 0.15 (12/11/2024) | ND<0.025 U (3/30/2020) | (0.15 - 0.025)/(48 - 29) | 0.00657895 |
| 0.046 (2/18/2025) | ND<0.025 U (3/30/2020) | (0.046 - 0.025)/(49 - 29) | 0.00105 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| ND<0.03 U (12/17/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(32 - 30) | 0 |

| | | | |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(34 - 30) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(38 - 30) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(40 - 30) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (6/16/2020) | (0.093 - 0.03)/(41 - 30) | 0.00572727 |
| 0.67 (5/25/2023) | ND<0.03 U (6/16/2020) | (0.67 - 0.03)/(42 - 30) | 0.0533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(43 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(44 - 30) | -0.00114286 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(45 - 30) | -0.00106667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(46 - 30) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(47 - 30) | -0.000941176 |
| 0.15 (12/11/2024) | ND<0.03 U (6/16/2020) | (0.15 - 0.03)/(48 - 30) | 0.00666667 |
| 0.046 (2/18/2025) | ND<0.03 U (6/16/2020) | (0.046 - 0.03)/(49 - 30) | 0.000842105 |
| | | | |
| ND<0.03 U (12/17/2020) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(32 - 31) | 0 |
| ND<0.03 U (3/18/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(38 - 31) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(40 - 31) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (9/21/2020) | (0.093 - 0.03)/(41 - 31) | 0.0063 |
| 0.67 (5/25/2023) | ND<0.03 U (9/21/2020) | (0.67 - 0.03)/(42 - 31) | 0.0581818 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(43 - 31) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(44 - 31) | -0.00123077 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(45 - 31) | -0.00114286 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(46 - 31) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(47 - 31) | -0.001 |
| 0.15 (12/11/2024) | ND<0.03 U (9/21/2020) | (0.15 - 0.03)/(48 - 31) | 0.00705882 |
| 0.046 (2/18/2025) | ND<0.03 U (9/21/2020) | (0.046 - 0.03)/(49 - 31) | 0.000888889 |
| | | | |
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(33 - 32) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(34 - 32) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(35 - 32) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(36 - 32) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(37 - 32) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(38 - 32) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(39 - 32) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(40 - 32) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (12/17/2020) | (0.093 - 0.03)/(41 - 32) | 0.007 |
| 0.67 (5/25/2023) | ND<0.03 U (12/17/2020) | (0.67 - 0.03)/(42 - 32) | 0.064 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(43 - 32) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(44 - 32) | -0.00133333 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(45 - 32) | -0.00123077 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(46 - 32) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(47 - 32) | -0.00106667 |
| 0.15 (12/11/2024) | ND<0.03 U (12/17/2020) | (0.15 - 0.03)/(48 - 32) | 0.0075 |
| 0.046 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.046 - 0.03)/(49 - 32) | 0.000941176 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(34 - 33) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(35 - 33) | 0 |

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|---|---|---|---|
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(37 - 33) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(38 - 33) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(40 - 33) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (3/18/2021) | (0.093 - 0.03)/(41 - 33) | 0.007875 |
| 0.67 (5/25/2023) | ND<0.03 U (3/18/2021) | (0.67 - 0.03)/(42 - 33) | 0.0711111 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(43 - 33) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(44 - 33) | -0.00145455 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(45 - 33) | -0.00133333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(46 - 33) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(47 - 33) | -0.00114286 |
| 0.15 (12/11/2024) | ND<0.03 U (3/18/2021) | (0.15 - 0.03)/(48 - 33) | 0.008 |
| 0.046 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.046 - 0.03)/(49 - 33) | 0.001 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(35 - 34) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(36 - 34) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(37 - 34) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(38 - 34) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(40 - 34) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (5/5/2021) | (0.093 - 0.03)/(41 - 34) | 0.009 |
| 0.67 (5/25/2023) | ND<0.03 U (5/5/2021) | (0.67 - 0.03)/(42 - 34) | 0.08 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(43 - 34) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(44 - 34) | -0.0016 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(45 - 34) | -0.00145455 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(46 - 34) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(47 - 34) | -0.00123077 |
| 0.15 (12/11/2024) | ND<0.03 U (5/5/2021) | (0.15 - 0.03)/(48 - 34) | 0.00857143 |
| 0.046 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.046 - 0.03)/(49 - 34) | 0.00106667 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(36 - 35) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(37 - 35) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(38 - 35) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(40 - 35) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (9/2/2021) | (0.093 - 0.03)/(41 - 35) | 0.0105 |
| 0.67 (5/25/2023) | ND<0.03 U (9/2/2021) | (0.67 - 0.03)/(42 - 35) | 0.0914286 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(43 - 35) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(44 - 35) | -0.00177778 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(45 - 35) | -0.0016 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(46 - 35) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(47 - 35) | -0.00133333 |
| 0.15 (12/11/2024) | ND<0.03 U (9/2/2021) | (0.15 - 0.03)/(48 - 35) | 0.00923077 |
| 0.046 (2/18/2025) | ND<0.03 U (9/2/2021) | (0.046 - 0.03)/(49 - 35) | 0.00114286 |
| | | | |
| ND<0.03 U (1/11/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(37 - 36) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(38 - 36) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(40 - 36) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (11/23/2021) | (0.093 - 0.03)/(41 - 36) | 0.0126 |
| 0.67 (5/25/2023) | ND<0.03 U (11/23/2021) | (0.67 - 0.03)/(42 - 36) | 0.106667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(43 - 36) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(44 - 36) | -0.002 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(45 - 36) | -0.00177778 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(46 - 36) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(47 - 36) | -0.00145455 |

| | | | |
|---|---|---|---|
| 0.15 (12/11/2024) | ND<0.03 U (11/23/2021) | (0.15 - 0.03)/(48 - 36) | 0.01 |
| 0.046 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.046 - 0.03)/(49 - 36) | 0.00123077 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(38 - 37) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(40 - 37) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (1/11/2022) | (0.093 - 0.03)/(41 - 37) | 0.01575 |
| 0.67 (5/25/2023) | ND<0.03 U (1/11/2022) | (0.67 - 0.03)/(42 - 37) | 0.128 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(43 - 37) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(44 - 37) | -0.00228571 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(45 - 37) | -0.002 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(46 - 37) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(47 - 37) | -0.0016 |
| 0.15 (12/11/2024) | ND<0.03 U (1/11/2022) | (0.15 - 0.03)/(48 - 37) | 0.0109091 |
| 0.046 (2/18/2025) | ND<0.03 U (1/11/2022) | (0.046 - 0.03)/(49 - 37) | 0.00133333 |
| | | | |
| ND<0.03 U (8/2/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 38) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(40 - 38) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (4/7/2022) | (0.093 - 0.03)/(41 - 38) | 0.021 |
| 0.67 (5/25/2023) | ND<0.03 U (4/7/2022) | (0.67 - 0.03)/(42 - 38) | 0.16 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(43 - 38) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(44 - 38) | -0.00266667 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(45 - 38) | -0.00228571 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(46 - 38) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(47 - 38) | -0.00177778 |
| 0.15 (12/11/2024) | ND<0.03 U (4/7/2022) | (0.15 - 0.03)/(48 - 38) | 0.012 |
| 0.046 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.046 - 0.03)/(49 - 38) | 0.00145455 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(40 - 39) | 0 |
| 0.093 (2/14/2023) | ND<0.03 U (8/2/2022) | (0.093 - 0.03)/(41 - 39) | 0.0315 |
| 0.67 (5/25/2023) | ND<0.03 U (8/2/2022) | (0.67 - 0.03)/(42 - 39) | 0.213333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(43 - 39) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(44 - 39) | -0.0032 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(45 - 39) | -0.00266667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(46 - 39) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(47 - 39) | -0.002 |
| 0.15 (12/11/2024) | ND<0.03 U (8/2/2022) | (0.15 - 0.03)/(48 - 39) | 0.0133333 |
| 0.046 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.046 - 0.03)/(49 - 39) | 0.0016 |
| | | | |
| 0.093 (2/14/2023) | ND<0.03 U (11/16/2022) | (0.093 - 0.03)/(41 - 40) | 0.063 |
| 0.67 (5/25/2023) | ND<0.03 U (11/16/2022) | (0.67 - 0.03)/(42 - 40) | 0.32 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(43 - 40) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(44 - 40) | -0.004 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(45 - 40) | -0.0032 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(46 - 40) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(47 - 40) | -0.00228571 |
| 0.15 (12/11/2024) | ND<0.03 U (11/16/2022) | (0.15 - 0.03)/(48 - 40) | 0.015 |
| 0.046 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.046 - 0.03)/(49 - 40) | 0.00177778 |
| | | | |
| 0.67 (5/25/2023) | 0.093 (2/14/2023) | (0.67 - 0.093)/(42 - 41) | 0.577 |
| ND<0.03 U (8/7/2023) | 0.093 (2/14/2023) | (0.03 - 0.093)/(43 - 41) | -0.0315 |
| ND<0.014 U (12/12/2023) | 0.093 (2/14/2023) | (0.014 - 0.093)/(44 - 41) | -0.0263333 |
| ND<0.014 U (1/10/2024) | 0.093 (2/14/2023) | (0.014 - 0.093)/(45 - 41) | -0.01975 |
| ND<0.03 U (5/21/2024) | 0.093 (2/14/2023) | (0.03 - 0.093)/(46 - 41) | -0.0126 |
| ND<0.014 U (9/16/2024) | 0.093 (2/14/2023) | (0.014 - 0.093)/(47 - 41) | -0.0131667 |
| 0.15 (12/11/2024) | 0.093 (2/14/2023) | (0.15 - 0.093)/(48 - 41) | 0.00814286 |
| 0.046 (2/18/2025) | 0.093 (2/14/2023) | (0.046 - 0.093)/(49 - 41) | -0.005875 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/7/2023) | 0.67 (5/25/2023) | (0.03 - 0.67)/(43 - 42) | -0.64 |
| ND<0.014 U (12/12/2023) | 0.67 (5/25/2023) | (0.014 - 0.67)/(44 - 42) | -0.328 |
| ND<0.014 U (1/10/2024) | 0.67 (5/25/2023) | (0.014 - 0.67)/(45 - 42) | -0.218667 |
| ND<0.03 U (5/21/2024) | 0.67 (5/25/2023) | (0.03 - 0.67)/(46 - 42) | -0.16 |
| ND<0.014 U (9/16/2024) | 0.67 (5/25/2023) | (0.014 - 0.67)/(47 - 42) | -0.1312 |
| 0.15 (12/11/2024) | 0.67 (5/25/2023) | (0.15 - 0.67)/(48 - 42) | -0.0866667 |
| 0.046 (2/18/2025) | 0.67 (5/25/2023) | (0.046 - 0.67)/(49 - 42) | -0.0891429 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(44 - 43) | -0.016 |
| ND<0.014 U (1/10/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(45 - 43) | -0.008 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(46 - 43) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(47 - 43) | -0.004 |
| 0.15 (12/11/2024) | ND<0.03 U (8/7/2023) | (0.15 - 0.03)/(48 - 43) | 0.024 |
| 0.046 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.046 - 0.03)/(49 - 43) | 0.00266667 |
| | | | |
| ND<0.014 U (1/10/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(45 - 44) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(46 - 44) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(47 - 44) | 0 |
| 0.15 (12/11/2024) | ND<0.014 U (12/12/2023) | (0.15 - 0.014)/(48 - 44) | 0.034 |
| 0.046 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.046 - 0.014)/(49 - 44) | 0.0064 |
| | | | |
| ND<0.03 U (5/21/2024) | ND<0.014 U (1/10/2024) | (0.03 - 0.014)/(46 - 45) | 0.016 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (1/10/2024) | (0.014 - 0.014)/(47 - 45) | 0 |
| 0.15 (12/11/2024) | ND<0.014 U (1/10/2024) | (0.15 - 0.014)/(48 - 45) | 0.0453333 |
| 0.046 (2/18/2025) | ND<0.014 U (1/10/2024) | (0.046 - 0.014)/(49 - 45) | 0.008 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(47 - 46) | -0.016 |
| 0.15 (12/11/2024) | ND<0.03 U (5/21/2024) | (0.15 - 0.03)/(48 - 46) | 0.06 |
| 0.046 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.046 - 0.03)/(49 - 46) | 0.00533333 |
| | | | |
| 0.15 (12/11/2024) | ND<0.014 U (9/16/2024) | (0.15 - 0.014)/(48 - 47) | 0.136 |
| 0.046 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.046 - 0.014)/(49 - 47) | 0.016 |
| | | | |
| 0.046 (2/18/2025) | 0.15 (12/11/2024) | (0.046 - 0.15)/(49 - 48) | -0.104 |

Number of Q values = 1176

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.64 |
| 2 | -0.328 |
| 3 | -0.218667 |
| 4 | -0.16 |
| 5 | -0.1312 |
| 6 | -0.104 |
| 7 | -0.091 |
| 8 | -0.0891429 |
| 9 | -0.0866667 |
| 10 | -0.041 |
| 11 | -0.0385 |
| 12 | -0.0316667 |
| 13 | -0.0315 |
| 14 | -0.0263333 |
| 15 | -0.02375 |
| 16 | -0.0205 |

| | |
|---|---|
| 17 | -0.01975 |
| 18 | -0.019 |
| 19 | -0.018 |
| 20 | -0.016 |
| 21 | -0.016 |
| 22 | -0.0158333 |
| 23 | -0.0136667 |
| 24 | -0.0135714 |
| 25 | -0.0131667 |
| 26 | -0.0126 |
| 27 | -0.011875 |
| 28 | -0.0105556 |
| 29 | -0.01025 |
| 30 | -0.0095 |
| 31 | -0.009 |
| 32 | -0.00863636 |
| 33 | -0.0082 |
| 34 | -0.008 |
| 35 | -0.00730769 |
| 36 | -0.00683333 |
| 37 | -0.00678571 |
| 38 | -0.00633333 |
| 39 | -0.006 |
| 40 | -0.0059375 |
| 41 | -0.005875 |
| 42 | -0.00585714 |
| 43 | -0.00558824 |
| 44 | -0.00527778 |
| 45 | -0.005125 |
| 46 | -0.005 |
| 47 | -0.00475 |
| 48 | -0.00455556 |
| 49 | -0.00452381 |
| 50 | -0.0045 |
| 51 | -0.0045 |
| 52 | -0.00431818 |
| 53 | -0.00413043 |
| 54 | -0.0041 |
| 55 | -0.004 |
| 56 | -0.004 |
| 57 | -0.00395833 |
| 58 | -0.0038 |
| 59 | -0.00372727 |
| 60 | -0.00365385 |
| 61 | -0.0036 |
| 62 | -0.00351852 |
| 63 | -0.00341667 |
| 64 | -0.00321429 |
| 65 | -0.0032 |
| 66 | -0.0032 |
| 67 | -0.00315385 |
| 68 | -0.00310345 |
| 69 | -0.003 |
| 70 | -0.003 |
| 71 | -0.00292857 |
| 72 | -0.00290323 |
| 73 | -0.0028125 |

| | |
|---|---|
| 74 | -0.00273333 |
| 75 | -0.00272727 |
| 76 | -0.00266667 |
| 77 | -0.00266667 |
| 78 | -0.00264706 |
| 79 | -0.00257143 |
| 80 | -0.00257143 |
| 81 | -0.00252381 |
| 82 | -0.0025 |
| 83 | -0.00246512 |
| 84 | -0.00243243 |
| 85 | -0.00236842 |
| 86 | -0.00235556 |
| 87 | -0.00228571 |
| 88 | -0.00228571 |
| 89 | -0.00228571 |
| 90 | -0.00225 |
| 91 | -0.00225 |
| 92 | -0.00219512 |
| 93 | -0.00211765 |
| 94 | -0.00204545 |
| 95 | -0.002 |
| 96 | -0.002 |
| 97 | -0.002 |
| 98 | -0.002 |
| 99 | -0.002 |
| 100 | -0.002 |
| 101 | -0.00189474 |
| 102 | -0.0018 |
| 103 | -0.00177778 |
| 104 | -0.00177778 |
| 105 | -0.00177778 |
| 106 | -0.00173333 |
| 107 | -0.00171429 |
| 108 | -0.00167742 |
| 109 | -0.00163636 |
| 110 | -0.00163636 |
| 111 | -0.0016 |
| 112 | -0.0016 |
| 113 | -0.0016 |
| 114 | -0.00157576 |
| 115 | -0.00157447 |
| 116 | -0.00156522 |
| 117 | -0.0015 |
| 118 | -0.0015 |
| 119 | -0.0015 |
| 120 | -0.00145455 |
| 121 | -0.00145455 |
| 122 | -0.00145455 |
| 123 | -0.00144 |
| 124 | -0.00138462 |
| 125 | -0.00138462 |
| 126 | -0.00133333 |
| 127 | -0.00133333 |
| 128 | -0.00133333 |
| 129 | -0.00133333 |
| 130 | -0.00128571 |

| | |
|---|---|
| 131 | -0.00124138 |
| 132 | -0.00123077 |
| 133 | -0.00123077 |
| 134 | -0.00123077 |
| 135 | -0.0012 |
| 136 | -0.0012 |
| 137 | -0.00114286 |
| 138 | -0.00114286 |
| 139 | -0.00114286 |
| 140 | -0.001125 |
| 141 | -0.001125 |
| 142 | -0.00106667 |
| 143 | -0.00106667 |
| 144 | -0.00105882 |
| 145 | -0.001 |
| 146 | -0.001 |
| 147 | -0.001 |
| 148 | -0.001 |
| 149 | -0.001 |
| 150 | -0.000947368 |
| 151 | -0.000941176 |
| 152 | -0.0009 |
| 153 | -0.000857143 |
| 154 | -0.000857143 |
| 155 | -0.000818182 |
| 156 | -0.0008 |
| 157 | -0.000782609 |
| 158 | -0.00075 |
| 159 | -0.00075 |
| 160 | -0.000733333 |
| 161 | -0.000725 |
| 162 | -0.00072 |
| 163 | -0.000707317 |
| 164 | -0.000692308 |
| 165 | -0.0006875 |
| 166 | -0.0006875 |
| 167 | -0.000674419 |
| 168 | -0.000666667 |
| 169 | -0.000666667 |
| 170 | -0.000647059 |
| 171 | -0.000647059 |
| 172 | -0.000611111 |
| 173 | -0.000611111 |
| 174 | -0.000611111 |
| 175 | -0.0006 |
| 176 | -0.000578947 |
| 177 | -0.000578947 |
| 178 | -0.000578947 |
| 179 | -0.000571429 |
| 180 | -0.000571429 |
| 181 | -0.00055 |
| 182 | -0.00055 |
| 183 | -0.00055 |
| 184 | -0.000545455 |
| 185 | -0.00052381 |
| 186 | -0.00052381 |
| 187 | -0.00052381 |

| | |
|---|---|
| 188 | -0.0005 |
| 189 | -0.0005 |
| 190 | -0.0005 |
| 191 | -0.0005 |
| 192 | -0.0005 |
| 193 | -0.0005 |
| 194 | -0.000481481 |
| 195 | -0.000478261 |
| 196 | -0.000478261 |
| 197 | -0.000478261 |
| 198 | -0.000464286 |
| 199 | -0.000458333 |
| 200 | -0.000458333 |
| 201 | -0.000458333 |
| 202 | -0.000448276 |
| 203 | -0.000444444 |
| 204 | -0.00044 |
| 205 | -0.00044 |
| 206 | -0.00044 |
| 207 | -0.000433333 |
| 208 | -0.000428571 |
| 209 | -0.000423077 |
| 210 | -0.000423077 |
| 211 | -0.000423077 |
| 212 | -0.000419355 |
| 213 | -0.000407407 |
| 214 | -0.000407407 |
| 215 | -0.000407407 |
| 216 | -0.00040625 |
| 217 | -0.0004 |
| 218 | -0.0004 |
| 219 | -0.000395349 |
| 220 | -0.000393939 |
| 221 | -0.000392857 |
| 222 | -0.000392857 |
| 223 | -0.000392857 |
| 224 | -0.000386364 |
| 225 | -0.000382353 |
| 226 | -0.00037931 |
| 227 | -0.00037931 |
| 228 | -0.00037931 |
| 229 | -0.000375 |
| 230 | -0.000371429 |
| 231 | -0.000369565 |
| 232 | -0.000366667 |
| 233 | -0.000366667 |
| 234 | -0.000365854 |
| 235 | -0.000361111 |
| 236 | -0.000357143 |
| 237 | -0.000354839 |
| 238 | -0.000354839 |
| 239 | -0.000352941 |
| 240 | -0.00034375 |
| 241 | -0.00034375 |
| 242 | -0.00034375 |
| 243 | -0.000340909 |
| 244 | -0.000333333 |

| | |
|---|---|
| 245 | -0.000333333 |
| 246 | -0.000333333 |
| 247 | -0.000333333 |
| 248 | -0.000333333 |
| 249 | -0.000323529 |
| 250 | -0.000323529 |
| 251 | -0.000323529 |
| 252 | -0.000315789 |
| 253 | -0.000314286 |
| 254 | -0.000314286 |
| 255 | -0.000314286 |
| 256 | -0.000309524 |
| 257 | -0.000307692 |
| 258 | -0.000305556 |
| 259 | -0.000305556 |
| 260 | -0.000305556 |
| 261 | -0.0003 |
| 262 | -0.000297297 |
| 263 | -0.000297297 |
| 264 | -0.000297297 |
| 265 | -0.000289474 |
| 266 | -0.000289474 |
| 267 | -0.000289474 |
| 268 | -0.000285714 |
| 269 | -0.000285714 |
| 270 | -0.000282051 |
| 271 | -0.000282051 |
| 272 | -0.000282051 |
| 273 | -0.000275 |
| 274 | -0.000275 |
| 275 | -0.000272727 |
| 276 | -0.000268293 |
| 277 | -0.000266667 |
| 278 | -0.000261905 |
| 279 | -0.00026087 |
| 280 | -0.00025 |
| 281 | -0.00025 |
| 282 | -0.00024 |
| 283 | -0.000235294 |
| 284 | -0.000230769 |
| 285 | -0.000222222 |
| 286 | -0.000222222 |
| 287 | -0.000214286 |
| 288 | -0.000210526 |
| 289 | -0.0002 |
| 290 | -0.000190476 |
| 291 | -0.000181818 |
| 292 | -0.000173913 |
| 293 | -0.000166667 |
| 294 | -0.00016 |
| 295 | -0.000153846 |
| 296 | -3.44828e-05 |
| 297 | -3.33333e-05 |
| 298 | -3.22581e-05 |
| 299 | -3.125e-05 |
| 300 | -3.0303e-05 |
| 301 | -2.94118e-05 |

| | |
|---|---|
| 302 | -2.85714e-05 |
| 303 | -2.77778e-05 |
| 304 | -2.7027e-05 |
| 305 | -2.63158e-05 |
| 306 | -2.5641e-05 |
| 307 | -2.38095e-05 |
| 308 | -2.22222e-05 |
| 309 | 0 |
| 310 | 0 |
| 311 | 0 |
| 312 | 0 |
| 313 | 0 |
| 314 | 0 |
| 315 | 0 |
| 316 | 0 |
| 317 | 0 |
| 318 | 0 |
| 319 | 0 |
| 320 | 0 |
| 321 | 0 |
| 322 | 0 |
| 323 | 0 |
| 324 | 0 |
| 325 | 0 |
| 326 | 0 |
| 327 | 0 |
| 328 | 0 |
| 329 | 0 |
| 330 | 0 |
| 331 | 0 |
| 332 | 0 |
| 333 | 0 |
| 334 | 0 |
| 335 | 0 |
| 336 | 0 |
| 337 | 0 |
| 338 | 0 |
| 339 | 0 |
| 340 | 0 |
| 341 | 0 |
| 342 | 0 |
| 343 | 0 |
| 344 | 0 |
| 345 | 0 |
| 346 | 0 |
| 347 | 0 |
| 348 | 0 |
| 349 | 0 |
| 350 | 0 |
| 351 | 0 |
| 352 | 0 |
| 353 | 0 |
| 354 | 0 |
| 355 | 0 |
| 356 | 0 |
| 357 | 0 |
| 358 | 0 |

| | |
|---|---|
| 359 | 0 |
| 360 | 0 |
| 361 | 0 |
| 362 | 0 |
| 363 | 0 |
| 364 | 0 |
| 365 | 0 |
| 366 | 0 |
| 367 | 0 |
| 368 | 0 |
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| 370 | 0 |
| 371 | 0 |
| 372 | 0 |
| 373 | 0 |
| 374 | 0 |
| 375 | 0 |
| 376 | 0 |
| 377 | 0 |
| 378 | 0 |
| 379 | 0 |
| 380 | 0 |
| 381 | 0 |
| 382 | 0 |
| 383 | 0 |
| 384 | 0 |
| 385 | 0 |
| 386 | 0 |
| 387 | 0 |
| 388 | 0 |
| 389 | 0 |
| 390 | 0 |
| 391 | 0 |
| 392 | 0 |
| 393 | 0 |
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| 395 | 0 |
| 396 | 0 |
| 397 | 0 |
| 398 | 0 |
| 399 | 0 |
| 400 | 0 |
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| 402 | 0 |
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| 406 | 0 |
| 407 | 0 |
| 408 | 0 |
| 409 | 0 |
| 410 | 0 |
| 411 | 0 |
| 412 | 0 |
| 413 | 0 |
| 414 | 0 |
| 415 | 0 |

| | |
|---|---|
| 416 | 0 |
| 417 | 0 |
| 418 | 0 |
| 419 | 0 |
| 420 | 0 |
| 421 | 0 |
| 422 | 0 |
| 423 | 0 |
| 424 | 0 |
| 425 | 0 |
| 426 | 0 |
| 427 | 0 |
| 428 | 0 |
| 429 | 0 |
| 430 | 0 |
| 431 | 0 |
| 432 | 0 |
| 433 | 0 |
| 434 | 0 |
| 435 | 0 |
| 436 | 0 |
| 437 | 0 |
| 438 | 0 |
| 439 | 0 |
| 440 | 0 |
| 441 | 0 |
| 442 | 0 |
| 443 | 0 |
| 444 | 0 |
| 445 | 0 |
| 446 | 0 |
| 447 | 0 |
| 448 | 0 |
| 449 | 0 |
| 450 | 0 |
| 451 | 0 |
| 452 | 0 |
| 453 | 0 |
| 454 | 0 |
| 455 | 0 |
| 456 | 0 |
| 457 | 0 |
| 458 | 0 |
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| 1110 | 0.009 |
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| 1118 | 0.0133333 |
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Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
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| 2 | 0.03 | 13 |
| 3 | 0.014 | 3 |

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| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |

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| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

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A = 34158
B = 0
C = 13866
D = 0
E = 714
F = 0
a = 242256
b = 994896
c = 4704
Group Variance = 11561
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 176.858
M1 = (1176 - 176.858)/2.0 = 499.571
M2 = (1176 + 176.858)/2.0 + 1 = 677.429
Lower limit is 0 = Q(500)
Upper limit is 3.57143e-05 = Q(677)
0 < 0 < 3.57143e-05 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 3
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.028 (5/20/2013) | 0.038 (3/13/2013) | (0.028 - 0.038)/(2 - 1) | -0.01 |
| 0.029 (9/23/2013) | 0.038 (3/13/2013) | (0.029 - 0.038)/(3 - 1) | -0.0045 |
| 0.086 (12/10/2013) | 0.038 (3/13/2013) | (0.086 - 0.038)/(4 - 1) | 0.016 |
| ND<0.025 U (2/6/2014) | 0.038 (3/13/2013) | (0.025 - 0.038)/(5 - 1) | -0.00325 |
| 0.047 (6/26/2014) | 0.038 (3/13/2013) | (0.047 - 0.038)/(6 - 1) | 0.0018 |
| ND<0.025 U (9/30/2014) | 0.038 (3/13/2013) | (0.025 - 0.038)/(7 - 1) | -0.00216667 |
| 0.035 (11/19/2014) | 0.038 (3/13/2013) | (0.035 - 0.038)/(8 - 1) | -0.000428571 |
| 0.026 (3/23/2015) | 0.038 (3/13/2013) | (0.026 - 0.038)/(9 - 1) | -0.0015 |
| ND<0.025 U (4/22/2015) | 0.038 (3/13/2013) | (0.025 - 0.038)/(10 - 1) | -0.00144444 |
| ND<0.025 U (9/30/2015) | 0.038 (3/13/2013) | (0.025 - 0.038)/(11 - 1) | -0.0013 |
| 0.032 (11/19/2015) | 0.038 (3/13/2013) | (0.032 - 0.038)/(12 - 1) | -0.000545455 |
| ND<0.025 U (3/15/2016) | 0.038 (3/13/2013) | (0.025 - 0.038)/(13 - 1) | -0.00108333 |
| 0.062 (6/29/2016) | 0.038 (3/13/2013) | (0.062 - 0.038)/(14 - 1) | 0.00184615 |
| ND<0.025 U (8/9/2016) | 0.038 (3/13/2013) | (0.025 - 0.038)/(15 - 1) | -0.000928571 |
| ND<0.025 U (12/7/2016) | 0.038 (3/13/2013) | (0.025 - 0.038)/(16 - 1) | -0.000866667 |
| ND<0.025 U (3/2/2017) | 0.038 (3/13/2013) | (0.025 - 0.038)/(17 - 1) | -0.0008125 |
| 0.039 (7/5/2017) | 0.038 (3/13/2013) | (0.039 - 0.038)/(18 - 1) | 5.88235e-05 |
| 0.07 (8/16/2017) | 0.038 (3/13/2013) | (0.07 - 0.038)/(19 - 1) | 0.00177778 |
| 0.053 (10/25/2017) | 0.038 (3/13/2013) | (0.053 - 0.038)/(20 - 1) | 0.000789474 |
| ND<0.025 U (3/28/2018) | 0.038 (3/13/2013) | (0.025 - 0.038)/(21 - 1) | -0.00065 |
| ND<0.025 U (6/29/2018) | 0.038 (3/13/2013) | (0.025 - 0.038)/(22 - 1) | -0.000619048 |
| ND<0.025 U (8/2/2018) | 0.038 (3/13/2013) | (0.025 - 0.038)/(23 - 1) | -0.000590909 |
| ND<0.025 U (12/10/2018) | 0.038 (3/13/2013) | (0.025 - 0.038)/(24 - 1) | -0.000565217 |
| ND<0.025 U (4/15/2019) | 0.038 (3/13/2013) | (0.025 - 0.038)/(25 - 1) | -0.000541667 |
| ND<0.025 U (6/12/2019) | 0.038 (3/13/2013) | (0.025 - 0.038)/(26 - 1) | -0.00052 |
| ND<0.025 U (8/27/2019) | 0.038 (3/13/2013) | (0.025 - 0.038)/(27 - 1) | -0.0005 |
| ND<0.025 U (10/29/2019) | 0.038 (3/13/2013) | (0.025 - 0.038)/(28 - 1) | -0.000481481 |
| ND<0.025 U (3/30/2020) | 0.038 (3/13/2013) | (0.025 - 0.038)/(29 - 1) | -0.000464286 |
| ND<0.03 U (6/16/2020) | 0.038 (3/13/2013) | (0.03 - 0.038)/(30 - 1) | -0.000275862 |
| ND<0.03 U (9/21/2020) | 0.038 (3/13/2013) | (0.03 - 0.038)/(31 - 1) | -0.000266667 |
| 0.057 (9/2/2021) | 0.038 (3/13/2013) | (0.057 - 0.038)/(32 - 1) | 0.000612903 |
| ND<0.03 U (1/11/2022) | 0.038 (3/13/2013) | (0.03 - 0.038)/(33 - 1) | -0.00025 |
| ND<0.03 U (4/7/2022) | 0.038 (3/13/2013) | (0.03 - 0.038)/(34 - 1) | -0.000242424 |
| ND<0.03 U (8/2/2022) | 0.038 (3/13/2013) | (0.03 - 0.038)/(35 - 1) | -0.000235294 |
| ND<0.03 U (11/16/2022) | 0.038 (3/13/2013) | (0.03 - 0.038)/(36 - 1) | -0.000228571 |
| ND<0.03 U (2/14/2023) | 0.038 (3/13/2013) | (0.03 - 0.038)/(37 - 1) | -0.000222222 |
| ND<0.014 U (5/25/2023) | 0.038 (3/13/2013) | (0.014 - 0.038)/(38 - 1) | -0.000648649 |
| ND<0.03 U (8/7/2023) | 0.038 (3/13/2013) | (0.03 - 0.038)/(39 - 1) | -0.000210526 |
| ND<0.014 U (12/12/2023) | 0.038 (3/13/2013) | (0.014 - 0.038)/(40 - 1) | -0.000615385 |
| 0.027 (1/10/2024) | 0.038 (3/13/2013) | (0.027 - 0.038)/(41 - 1) | -0.000275 |
| ND<0.03 U (5/21/2024) | 0.038 (3/13/2013) | (0.03 - 0.038)/(42 - 1) | -0.000195122 |
| ND<0.014 U (9/16/2024) | 0.038 (3/13/2013) | (0.014 - 0.038)/(43 - 1) | -0.000571429 |
| ND<0.0196 U (12/11/2024) | 0.038 (3/13/2013) | (0.0196 - 0.038)/(44 - 1) | -0.000427907 |
| 0.159 (2/18/2025) | 0.038 (3/13/2013) | (0.159 - 0.038)/(45 - 1) | 0.00275 |
| | | | |
| 0.029 (9/23/2013) | 0.028 (5/20/2013) | (0.029 - 0.028)/(3 - 2) | 0.001 |
| 0.086 (12/10/2013) | 0.028 (5/20/2013) | (0.086 - 0.028)/(4 - 2) | 0.029 |
| ND<0.025 U (2/6/2014) | 0.028 (5/20/2013) | (0.025 - 0.028)/(5 - 2) | -0.001 |

| | | | |
|---|---|---|---|
| 0.047 (6/26/2014) | 0.028 (5/20/2013) | (0.047 - 0.028)/(6 - 2) | 0.00475 |
| ND<0.025 U (9/30/2014) | 0.028 (5/20/2013) | (0.025 - 0.028)/(7 - 2) | -0.0006 |
| 0.035 (11/19/2014) | 0.028 (5/20/2013) | (0.035 - 0.028)/(8 - 2) | 0.00116667 |
| 0.026 (3/23/2015) | 0.028 (5/20/2013) | (0.026 - 0.028)/(9 - 2) | -0.000285714 |
| ND<0.025 U (4/22/2015) | 0.028 (5/20/2013) | (0.025 - 0.028)/(10 - 2) | -0.000375 |
| ND<0.025 U (9/30/2015) | 0.028 (5/20/2013) | (0.025 - 0.028)/(11 - 2) | -0.000333333 |
| 0.032 (11/19/2015) | 0.028 (5/20/2013) | (0.032 - 0.028)/(12 - 2) | 0.0004 |
| ND<0.025 U (3/15/2016) | 0.028 (5/20/2013) | (0.025 - 0.028)/(13 - 2) | -0.000272727 |
| 0.062 (6/29/2016) | 0.028 (5/20/2013) | (0.062 - 0.028)/(14 - 2) | 0.00283333 |
| ND<0.025 U (8/9/2016) | 0.028 (5/20/2013) | (0.025 - 0.028)/(15 - 2) | -0.000230769 |
| ND<0.025 U (12/7/2016) | 0.028 (5/20/2013) | (0.025 - 0.028)/(16 - 2) | -0.000214286 |
| ND<0.025 U (3/2/2017) | 0.028 (5/20/2013) | (0.025 - 0.028)/(17 - 2) | -0.0002 |
| 0.039 (7/5/2017) | 0.028 (5/20/2013) | (0.039 - 0.028)/(18 - 2) | 0.0006875 |
| 0.07 (8/16/2017) | 0.028 (5/20/2013) | (0.07 - 0.028)/(19 - 2) | 0.00247059 |
| 0.053 (10/25/2017) | 0.028 (5/20/2013) | (0.053 - 0.028)/(20 - 2) | 0.00138889 |
| ND<0.025 U (3/28/2018) | 0.028 (5/20/2013) | (0.025 - 0.028)/(21 - 2) | -0.000157895 |
| ND<0.025 U (6/29/2018) | 0.028 (5/20/2013) | (0.025 - 0.028)/(22 - 2) | -0.00015 |
| ND<0.025 U (8/2/2018) | 0.028 (5/20/2013) | (0.025 - 0.028)/(23 - 2) | -0.000142857 |
| ND<0.025 U (12/10/2018) | 0.028 (5/20/2013) | (0.025 - 0.028)/(24 - 2) | -0.000136364 |
| ND<0.025 U (4/15/2019) | 0.028 (5/20/2013) | (0.025 - 0.028)/(25 - 2) | -0.000130435 |
| ND<0.025 U (6/12/2019) | 0.028 (5/20/2013) | (0.025 - 0.028)/(26 - 2) | -0.000125 |
| ND<0.025 U (8/27/2019) | 0.028 (5/20/2013) | (0.025 - 0.028)/(27 - 2) | -0.00012 |
| ND<0.025 U (10/29/2019) | 0.028 (5/20/2013) | (0.025 - 0.028)/(28 - 2) | -0.000115385 |
| ND<0.025 U (3/30/2020) | 0.028 (5/20/2013) | (0.025 - 0.028)/(29 - 2) | -0.000111111 |
| ND<0.03 U (6/16/2020) | 0.028 (5/20/2013) | (0.03 - 0.028)/(30 - 2) | 7.14286e-05 |
| ND<0.03 U (9/21/2020) | 0.028 (5/20/2013) | (0.03 - 0.028)/(31 - 2) | 6.89655e-05 |
| 0.057 (9/2/2021) | 0.028 (5/20/2013) | (0.057 - 0.028)/(32 - 2) | 0.000966667 |
| ND<0.03 U (1/11/2022) | 0.028 (5/20/2013) | (0.03 - 0.028)/(33 - 2) | 6.45161e-05 |
| ND<0.03 U (4/7/2022) | 0.028 (5/20/2013) | (0.03 - 0.028)/(34 - 2) | 6.25e-05 |
| ND<0.03 U (8/2/2022) | 0.028 (5/20/2013) | (0.03 - 0.028)/(35 - 2) | 6.06061e-05 |
| ND<0.03 U (11/16/2022) | 0.028 (5/20/2013) | (0.03 - 0.028)/(36 - 2) | 5.88235e-05 |
| ND<0.03 U (2/14/2023) | 0.028 (5/20/2013) | (0.03 - 0.028)/(37 - 2) | 5.71429e-05 |
| ND<0.014 U (5/25/2023) | 0.028 (5/20/2013) | (0.014 - 0.028)/(38 - 2) | -0.000388889 |
| ND<0.03 U (8/7/2023) | 0.028 (5/20/2013) | (0.03 - 0.028)/(39 - 2) | 5.40541e-05 |
| ND<0.014 U (12/12/2023) | 0.028 (5/20/2013) | (0.014 - 0.028)/(40 - 2) | -0.000368421 |
| 0.027 (1/10/2024) | 0.028 (5/20/2013) | (0.027 - 0.028)/(41 - 2) | -2.5641e-05 |
| ND<0.03 U (5/21/2024) | 0.028 (5/20/2013) | (0.03 - 0.028)/(42 - 2) | 5e-05 |
| ND<0.014 U (9/16/2024) | 0.028 (5/20/2013) | (0.014 - 0.028)/(43 - 2) | -0.000341463 |
| ND<0.0196 U (12/11/2024) | 0.028 (5/20/2013) | (0.0196 - 0.028)/(44 - 2) | -0.0002 |
| 0.159 (2/18/2025) | 0.028 (5/20/2013) | (0.159 - 0.028)/(45 - 2) | 0.00304651 |
| | | | |
| 0.086 (12/10/2013) | 0.029 (9/23/2013) | (0.086 - 0.029)/(4 - 3) | 0.057 |
| ND<0.025 U (2/6/2014) | 0.029 (9/23/2013) | (0.025 - 0.029)/(5 - 3) | -0.002 |
| 0.047 (6/26/2014) | 0.029 (9/23/2013) | (0.047 - 0.029)/(6 - 3) | 0.006 |
| ND<0.025 U (9/30/2014) | 0.029 (9/23/2013) | (0.025 - 0.029)/(7 - 3) | -0.001 |
| 0.035 (11/19/2014) | 0.029 (9/23/2013) | (0.035 - 0.029)/(8 - 3) | 0.0012 |
| 0.026 (3/23/2015) | 0.029 (9/23/2013) | (0.026 - 0.029)/(9 - 3) | -0.0005 |
| ND<0.025 U (4/22/2015) | 0.029 (9/23/2013) | (0.025 - 0.029)/(10 - 3) | -0.000571429 |
| ND<0.025 U (9/30/2015) | 0.029 (9/23/2013) | (0.025 - 0.029)/(11 - 3) | -0.0005 |
| 0.032 (11/19/2015) | 0.029 (9/23/2013) | (0.032 - 0.029)/(12 - 3) | 0.000333333 |
| ND<0.025 U (3/15/2016) | 0.029 (9/23/2013) | (0.025 - 0.029)/(13 - 3) | -0.0004 |
| 0.062 (6/29/2016) | 0.029 (9/23/2013) | (0.062 - 0.029)/(14 - 3) | 0.003 |
| ND<0.025 U (8/9/2016) | 0.029 (9/23/2013) | (0.025 - 0.029)/(15 - 3) | -0.000333333 |
| ND<0.025 U (12/7/2016) | 0.029 (9/23/2013) | (0.025 - 0.029)/(16 - 3) | -0.000307692 |
| ND<0.025 U (3/2/2017) | 0.029 (9/23/2013) | (0.025 - 0.029)/(17 - 3) | -0.000285714 |
| 0.039 (7/5/2017) | 0.029 (9/23/2013) | (0.039 - 0.029)/(18 - 3) | 0.000666667 |
| 0.07 (8/16/2017) | 0.029 (9/23/2013) | (0.07 - 0.029)/(19 - 3) | 0.0025625 |

| | | | |
|---|---|---|---|
| 0.053 (10/25/2017) | 0.029 (9/23/2013) | (0.053 - 0.029)/(20 - 3) | 0.00141176 |
| ND<0.025 U (3/28/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(21 - 3) | -0.000222222 |
| ND<0.025 U (6/29/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(22 - 3) | -0.000210526 |
| ND<0.025 U (8/2/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(23 - 3) | -0.0002 |
| ND<0.025 U (12/10/2018) | 0.029 (9/23/2013) | (0.025 - 0.029)/(24 - 3) | -0.000190476 |
| ND<0.025 U (4/15/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(25 - 3) | -0.000181818 |
| ND<0.025 U (6/12/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(26 - 3) | -0.000173913 |
| ND<0.025 U (8/27/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(27 - 3) | -0.000166667 |
| ND<0.025 U (10/29/2019) | 0.029 (9/23/2013) | (0.025 - 0.029)/(28 - 3) | -0.00016 |
| ND<0.025 U (3/30/2020) | 0.029 (9/23/2013) | (0.025 - 0.029)/(29 - 3) | -0.000153846 |
| ND<0.03 U (6/16/2020) | 0.029 (9/23/2013) | (0.03 - 0.029)/(30 - 3) | 3.7037e-05 |
| ND<0.03 U (9/21/2020) | 0.029 (9/23/2013) | (0.03 - 0.029)/(31 - 3) | 3.57143e-05 |
| 0.057 (9/2/2021) | 0.029 (9/23/2013) | (0.057 - 0.029)/(32 - 3) | 0.000965517 |
| ND<0.03 U (1/11/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(33 - 3) | 3.33333e-05 |
| ND<0.03 U (4/7/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(34 - 3) | 3.22581e-05 |
| ND<0.03 U (8/2/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(35 - 3) | 3.125e-05 |
| ND<0.03 U (11/16/2022) | 0.029 (9/23/2013) | (0.03 - 0.029)/(36 - 3) | 3.0303e-05 |
| ND<0.03 U (2/14/2023) | 0.029 (9/23/2013) | (0.03 - 0.029)/(37 - 3) | 2.94118e-05 |
| ND<0.014 U (5/25/2023) | 0.029 (9/23/2013) | (0.014 - 0.029)/(38 - 3) | -0.000428571 |
| ND<0.03 U (8/7/2023) | 0.029 (9/23/2013) | (0.03 - 0.029)/(39 - 3) | 2.77778e-05 |
| ND<0.014 U (12/12/2023) | 0.029 (9/23/2013) | (0.014 - 0.029)/(40 - 3) | -0.000405405 |
| 0.027 (1/10/2024) | 0.029 (9/23/2013) | (0.027 - 0.029)/(41 - 3) | -5.26316e-05 |
| ND<0.03 U (5/21/2024) | 0.029 (9/23/2013) | (0.03 - 0.029)/(42 - 3) | 2.5641e-05 |
| ND<0.014 U (9/16/2024) | 0.029 (9/23/2013) | (0.014 - 0.029)/(43 - 3) | -0.000375 |
| ND<0.0196 U (12/11/2024) | 0.029 (9/23/2013) | (0.0196 - 0.029)/(44 - 3) | -0.000229268 |
| 0.159 (2/18/2025) | 0.029 (9/23/2013) | (0.159 - 0.029)/(45 - 3) | 0.00309524 |
| | | | |
| ND<0.025 U (2/6/2014) | 0.086 (12/10/2013) | (0.025 - 0.086)/(5 - 4) | -0.061 |
| 0.047 (6/26/2014) | 0.086 (12/10/2013) | (0.047 - 0.086)/(6 - 4) | -0.0195 |
| ND<0.025 U (9/30/2014) | 0.086 (12/10/2013) | (0.025 - 0.086)/(7 - 4) | -0.0203333 |
| 0.035 (11/19/2014) | 0.086 (12/10/2013) | (0.035 - 0.086)/(8 - 4) | -0.01275 |
| 0.026 (3/23/2015) | 0.086 (12/10/2013) | (0.026 - 0.086)/(9 - 4) | -0.012 |
| ND<0.025 U (4/22/2015) | 0.086 (12/10/2013) | (0.025 - 0.086)/(10 - 4) | -0.0101667 |
| ND<0.025 U (9/30/2015) | 0.086 (12/10/2013) | (0.025 - 0.086)/(11 - 4) | -0.00871429 |
| 0.032 (11/19/2015) | 0.086 (12/10/2013) | (0.032 - 0.086)/(12 - 4) | -0.00675 |
| ND<0.025 U (3/15/2016) | 0.086 (12/10/2013) | (0.025 - 0.086)/(13 - 4) | -0.00677778 |
| 0.062 (6/29/2016) | 0.086 (12/10/2013) | (0.062 - 0.086)/(14 - 4) | -0.0024 |
| ND<0.025 U (8/9/2016) | 0.086 (12/10/2013) | (0.025 - 0.086)/(15 - 4) | -0.00554545 |
| ND<0.025 U (12/7/2016) | 0.086 (12/10/2013) | (0.025 - 0.086)/(16 - 4) | -0.00508333 |
| ND<0.025 U (3/2/2017) | 0.086 (12/10/2013) | (0.025 - 0.086)/(17 - 4) | -0.00469231 |
| 0.039 (7/5/2017) | 0.086 (12/10/2013) | (0.039 - 0.086)/(18 - 4) | -0.00335714 |
| 0.07 (8/16/2017) | 0.086 (12/10/2013) | (0.07 - 0.086)/(19 - 4) | -0.00106667 |
| 0.053 (10/25/2017) | 0.086 (12/10/2013) | (0.053 - 0.086)/(20 - 4) | -0.0020625 |
| ND<0.025 U (3/28/2018) | 0.086 (12/10/2013) | (0.025 - 0.086)/(21 - 4) | -0.00358824 |
| ND<0.025 U (6/29/2018) | 0.086 (12/10/2013) | (0.025 - 0.086)/(22 - 4) | -0.00338889 |
| ND<0.025 U (8/2/2018) | 0.086 (12/10/2013) | (0.025 - 0.086)/(23 - 4) | -0.00321053 |
| ND<0.025 U (12/10/2018) | 0.086 (12/10/2013) | (0.025 - 0.086)/(24 - 4) | -0.00305 |
| ND<0.025 U (4/15/2019) | 0.086 (12/10/2013) | (0.025 - 0.086)/(25 - 4) | -0.00290476 |
| ND<0.025 U (6/12/2019) | 0.086 (12/10/2013) | (0.025 - 0.086)/(26 - 4) | -0.00277273 |
| ND<0.025 U (8/27/2019) | 0.086 (12/10/2013) | (0.025 - 0.086)/(27 - 4) | -0.00265217 |
| ND<0.025 U (10/29/2019) | 0.086 (12/10/2013) | (0.025 - 0.086)/(28 - 4) | -0.00254167 |
| ND<0.025 U (3/30/2020) | 0.086 (12/10/2013) | (0.025 - 0.086)/(29 - 4) | -0.00244 |
| ND<0.03 U (6/16/2020) | 0.086 (12/10/2013) | (0.03 - 0.086)/(30 - 4) | -0.00215385 |
| ND<0.03 U (9/21/2020) | 0.086 (12/10/2013) | (0.03 - 0.086)/(31 - 4) | -0.00207407 |
| 0.057 (9/2/2021) | 0.086 (12/10/2013) | (0.057 - 0.086)/(32 - 4) | -0.00103571 |
| ND<0.03 U (1/11/2022) | 0.086 (12/10/2013) | (0.03 - 0.086)/(33 - 4) | -0.00193103 |
| ND<0.03 U (4/7/2022) | 0.086 (12/10/2013) | (0.03 - 0.086)/(34 - 4) | -0.00186667 |

| | | | |
|---|---|---|---|
| ND<0.03 U (8/2/2022) | 0.086 (12/10/2013) | (0.03 - 0.086)/(35 - 4) | -0.00180645 |
| ND<0.03 U (11/16/2022) | 0.086 (12/10/2013) | (0.03 - 0.086)/(36 - 4) | -0.00175 |
| ND<0.03 U (2/14/2023) | 0.086 (12/10/2013) | (0.03 - 0.086)/(37 - 4) | -0.00169697 |
| ND<0.014 U (5/25/2023) | 0.086 (12/10/2013) | (0.014 - 0.086)/(38 - 4) | -0.00211765 |
| ND<0.03 U (8/7/2023) | 0.086 (12/10/2013) | (0.03 - 0.086)/(39 - 4) | -0.0016 |
| ND<0.014 U (12/12/2023) | 0.086 (12/10/2013) | (0.014 - 0.086)/(40 - 4) | -0.002 |
| 0.027 (1/10/2024) | 0.086 (12/10/2013) | (0.027 - 0.086)/(41 - 4) | -0.00159459 |
| ND<0.03 U (5/21/2024) | 0.086 (12/10/2013) | (0.03 - 0.086)/(42 - 4) | -0.00147368 |
| ND<0.014 U (9/16/2024) | 0.086 (12/10/2013) | (0.014 - 0.086)/(43 - 4) | -0.00184615 |
| ND<0.0196 U (12/11/2024) | 0.086 (12/10/2013) | (0.0196 - 0.086)/(44 - 4) | -0.00166 |
| 0.159 (2/18/2025) | 0.086 (12/10/2013) | (0.159 - 0.086)/(45 - 4) | 0.00178049 |
| | | | |
| 0.047 (6/26/2014) | ND<0.025 U (2/6/2014) | (0.047 - 0.025)/(6 - 5) | 0.022 |
| ND<0.025 U (9/30/2014) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(7 - 5) | 0 |
| 0.035 (11/19/2014) | ND<0.025 U (2/6/2014) | (0.035 - 0.025)/(8 - 5) | 0.00333333 |
| 0.026 (3/23/2015) | ND<0.025 U (2/6/2014) | (0.026 - 0.025)/(9 - 5) | 0.00025 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(10 - 5) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(11 - 5) | 0 |
| 0.032 (11/19/2015) | ND<0.025 U (2/6/2014) | (0.032 - 0.025)/(12 - 5) | 0.001 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(13 - 5) | 0 |
| 0.062 (6/29/2016) | ND<0.025 U (2/6/2014) | (0.062 - 0.025)/(14 - 5) | 0.00411111 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(15 - 5) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(16 - 5) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(17 - 5) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (2/6/2014) | (0.039 - 0.025)/(18 - 5) | 0.00107692 |
| 0.07 (8/16/2017) | ND<0.025 U (2/6/2014) | (0.07 - 0.025)/(19 - 5) | 0.00321429 |
| 0.053 (10/25/2017) | ND<0.025 U (2/6/2014) | (0.053 - 0.025)/(20 - 5) | 0.00186667 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(21 - 5) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(22 - 5) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(23 - 5) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(24 - 5) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(25 - 5) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(26 - 5) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(27 - 5) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(28 - 5) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (2/6/2014) | (0.025 - 0.025)/(29 - 5) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(30 - 5) | 0.0002 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(31 - 5) | 0.000192308 |
| 0.057 (9/2/2021) | ND<0.025 U (2/6/2014) | (0.057 - 0.025)/(32 - 5) | 0.00118519 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(33 - 5) | 0.000178571 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(34 - 5) | 0.000172414 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(35 - 5) | 0.000166667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(36 - 5) | 0.00016129 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(37 - 5) | 0.00015625 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(38 - 5) | -0.000333333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(39 - 5) | 0.000147059 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(40 - 5) | -0.000314286 |
| 0.027 (1/10/2024) | ND<0.025 U (2/6/2014) | (0.027 - 0.025)/(41 - 5) | 5.55556e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (2/6/2014) | (0.03 - 0.025)/(42 - 5) | 0.000135135 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (2/6/2014) | (0.014 - 0.025)/(43 - 5) | -0.000289474 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (2/6/2014) | (0.0196 - 0.025)/(44 - 5) | -0.000138462 |
| 0.159 (2/18/2025) | ND<0.025 U (2/6/2014) | (0.159 - 0.025)/(45 - 5) | 0.00335 |
| | | | |
| ND<0.025 U (9/30/2014) | 0.047 (6/26/2014) | (0.025 - 0.047)/(7 - 6) | -0.022 |
| 0.035 (11/19/2014) | 0.047 (6/26/2014) | (0.035 - 0.047)/(8 - 6) | -0.006 |
| 0.026 (3/23/2015) | 0.047 (6/26/2014) | (0.026 - 0.047)/(9 - 6) | -0.007 |
| ND<0.025 U (4/22/2015) | 0.047 (6/26/2014) | (0.025 - 0.047)/(10 - 6) | -0.0055 |

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|---|---|---|---|
| ND<0.025 U (9/30/2015) | 0.047 (6/26/2014) | (0.025 - 0.047)/(11 - 6) | -0.0044 |
| 0.032 (11/19/2015) | 0.047 (6/26/2014) | (0.032 - 0.047)/(12 - 6) | -0.0025 |
| ND<0.025 U (3/15/2016) | 0.047 (6/26/2014) | (0.025 - 0.047)/(13 - 6) | -0.00314286 |
| 0.062 (6/29/2016) | 0.047 (6/26/2014) | (0.062 - 0.047)/(14 - 6) | 0.001875 |
| ND<0.025 U (8/9/2016) | 0.047 (6/26/2014) | (0.025 - 0.047)/(15 - 6) | -0.00244444 |
| ND<0.025 U (12/7/2016) | 0.047 (6/26/2014) | (0.025 - 0.047)/(16 - 6) | -0.0022 |
| ND<0.025 U (3/2/2017) | 0.047 (6/26/2014) | (0.025 - 0.047)/(17 - 6) | -0.002 |
| 0.039 (7/5/2017) | 0.047 (6/26/2014) | (0.039 - 0.047)/(18 - 6) | -0.000666667 |
| 0.07 (8/16/2017) | 0.047 (6/26/2014) | (0.07 - 0.047)/(19 - 6) | 0.00176923 |
| 0.053 (10/25/2017) | 0.047 (6/26/2014) | (0.053 - 0.047)/(20 - 6) | 0.000428571 |
| ND<0.025 U (3/28/2018) | 0.047 (6/26/2014) | (0.025 - 0.047)/(21 - 6) | -0.00146667 |
| ND<0.025 U (6/29/2018) | 0.047 (6/26/2014) | (0.025 - 0.047)/(22 - 6) | -0.001375 |
| ND<0.025 U (8/2/2018) | 0.047 (6/26/2014) | (0.025 - 0.047)/(23 - 6) | -0.00129412 |
| ND<0.025 U (12/10/2018) | 0.047 (6/26/2014) | (0.025 - 0.047)/(24 - 6) | -0.00122222 |
| ND<0.025 U (4/15/2019) | 0.047 (6/26/2014) | (0.025 - 0.047)/(25 - 6) | -0.00115789 |
| ND<0.025 U (6/12/2019) | 0.047 (6/26/2014) | (0.025 - 0.047)/(26 - 6) | -0.0011 |
| ND<0.025 U (8/27/2019) | 0.047 (6/26/2014) | (0.025 - 0.047)/(27 - 6) | -0.00104762 |
| ND<0.025 U (10/29/2019) | 0.047 (6/26/2014) | (0.025 - 0.047)/(28 - 6) | -0.001 |
| ND<0.025 U (3/30/2020) | 0.047 (6/26/2014) | (0.025 - 0.047)/(29 - 6) | -0.000956522 |
| ND<0.03 U (6/16/2020) | 0.047 (6/26/2014) | (0.03 - 0.047)/(30 - 6) | -0.000708333 |
| ND<0.03 U (9/21/2020) | 0.047 (6/26/2014) | (0.03 - 0.047)/(31 - 6) | -0.00068 |
| 0.057 (9/2/2021) | 0.047 (6/26/2014) | (0.057 - 0.047)/(32 - 6) | 0.000384615 |
| ND<0.03 U (1/11/2022) | 0.047 (6/26/2014) | (0.03 - 0.047)/(33 - 6) | -0.00062963 |
| ND<0.03 U (4/7/2022) | 0.047 (6/26/2014) | (0.03 - 0.047)/(34 - 6) | -0.000607143 |
| ND<0.03 U (8/2/2022) | 0.047 (6/26/2014) | (0.03 - 0.047)/(35 - 6) | -0.000586207 |
| ND<0.03 U (11/16/2022) | 0.047 (6/26/2014) | (0.03 - 0.047)/(36 - 6) | -0.000566667 |
| ND<0.03 U (2/14/2023) | 0.047 (6/26/2014) | (0.03 - 0.047)/(37 - 6) | -0.000548387 |
| ND<0.014 U (5/25/2023) | 0.047 (6/26/2014) | (0.014 - 0.047)/(38 - 6) | -0.00103125 |
| ND<0.03 U (8/7/2023) | 0.047 (6/26/2014) | (0.03 - 0.047)/(39 - 6) | -0.000515152 |
| ND<0.014 U (12/12/2023) | 0.047 (6/26/2014) | (0.014 - 0.047)/(40 - 6) | -0.000970588 |
| 0.027 (1/10/2024) | 0.047 (6/26/2014) | (0.027 - 0.047)/(41 - 6) | -0.000571429 |
| ND<0.03 U (5/21/2024) | 0.047 (6/26/2014) | (0.03 - 0.047)/(42 - 6) | -0.000472222 |
| ND<0.014 U (9/16/2024) | 0.047 (6/26/2014) | (0.014 - 0.047)/(43 - 6) | -0.000891892 |
| ND<0.0196 U (12/11/2024) | 0.047 (6/26/2014) | (0.0196 - 0.047)/(44 - 6) | -0.000721053 |
| 0.159 (2/18/2025) | 0.047 (6/26/2014) | (0.159 - 0.047)/(45 - 6) | 0.00287179 |

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|---|---|---|---|
| 0.035 (11/19/2014) | ND<0.025 U (9/30/2014) | (0.035 - 0.025)/(8 - 7) | 0.01 |
| 0.026 (3/23/2015) | ND<0.025 U (9/30/2014) | (0.026 - 0.025)/(9 - 7) | 0.0005 |
| ND<0.025 U (4/22/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(10 - 7) | 0 |
| ND<0.025 U (9/30/2015) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(11 - 7) | 0 |
| 0.032 (11/19/2015) | ND<0.025 U (9/30/2014) | (0.032 - 0.025)/(12 - 7) | 0.0014 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(13 - 7) | 0 |
| 0.062 (6/29/2016) | ND<0.025 U (9/30/2014) | (0.062 - 0.025)/(14 - 7) | 0.00528571 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(15 - 7) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(16 - 7) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(17 - 7) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (9/30/2014) | (0.039 - 0.025)/(18 - 7) | 0.00127273 |
| 0.07 (8/16/2017) | ND<0.025 U (9/30/2014) | (0.07 - 0.025)/(19 - 7) | 0.00375 |
| 0.053 (10/25/2017) | ND<0.025 U (9/30/2014) | (0.053 - 0.025)/(20 - 7) | 0.00215385 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(21 - 7) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(22 - 7) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(23 - 7) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(24 - 7) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(25 - 7) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(26 - 7) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(27 - 7) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(28 - 7) | 0 |

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|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2014) | (0.025 - 0.025)/(29 - 7) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(30 - 7) | 0.000217391 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(31 - 7) | 0.000208333 |
| 0.057 (9/2/2021) | ND<0.025 U (9/30/2014) | (0.057 - 0.025)/(32 - 7) | 0.00128 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(33 - 7) | 0.000192308 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(34 - 7) | 0.000185185 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(35 - 7) | 0.000178571 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(36 - 7) | 0.000172414 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(37 - 7) | 0.000166667 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(38 - 7) | -0.000354839 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(39 - 7) | 0.00015625 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(40 - 7) | -0.000333333 |
| 0.027 (1/10/2024) | ND<0.025 U (9/30/2014) | (0.027 - 0.025)/(41 - 7) | 5.88235e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2014) | (0.03 - 0.025)/(42 - 7) | 0.000142857 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2014) | (0.014 - 0.025)/(43 - 7) | -0.000305556 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/30/2014) | (0.0196 - 0.025)/(44 - 7) | -0.000145946 |
| 0.159 (2/18/2025) | ND<0.025 U (9/30/2014) | (0.159 - 0.025)/(45 - 7) | 0.00352632 |
| | | | |
| 0.026 (3/23/2015) | 0.035 (11/19/2014) | (0.026 - 0.035)/(9 - 8) | -0.009 |
| ND<0.025 U (4/22/2015) | 0.035 (11/19/2014) | (0.025 - 0.035)/(10 - 8) | -0.005 |
| ND<0.025 U (9/30/2015) | 0.035 (11/19/2014) | (0.025 - 0.035)/(11 - 8) | -0.00333333 |
| 0.032 (11/19/2015) | 0.035 (11/19/2014) | (0.032 - 0.035)/(12 - 8) | -0.00075 |
| ND<0.025 U (3/15/2016) | 0.035 (11/19/2014) | (0.025 - 0.035)/(13 - 8) | -0.002 |
| 0.062 (6/29/2016) | 0.035 (11/19/2014) | (0.062 - 0.035)/(14 - 8) | 0.0045 |
| ND<0.025 U (8/9/2016) | 0.035 (11/19/2014) | (0.025 - 0.035)/(15 - 8) | -0.00142857 |
| ND<0.025 U (12/7/2016) | 0.035 (11/19/2014) | (0.025 - 0.035)/(16 - 8) | -0.00125 |
| ND<0.025 U (3/2/2017) | 0.035 (11/19/2014) | (0.025 - 0.035)/(17 - 8) | -0.00111111 |
| 0.039 (7/5/2017) | 0.035 (11/19/2014) | (0.039 - 0.035)/(18 - 8) | 0.0004 |
| 0.07 (8/16/2017) | 0.035 (11/19/2014) | (0.07 - 0.035)/(19 - 8) | 0.00318182 |
| 0.053 (10/25/2017) | 0.035 (11/19/2014) | (0.053 - 0.035)/(20 - 8) | 0.0015 |
| ND<0.025 U (3/28/2018) | 0.035 (11/19/2014) | (0.025 - 0.035)/(21 - 8) | -0.000769231 |
| ND<0.025 U (6/29/2018) | 0.035 (11/19/2014) | (0.025 - 0.035)/(22 - 8) | -0.000714286 |
| ND<0.025 U (8/2/2018) | 0.035 (11/19/2014) | (0.025 - 0.035)/(23 - 8) | -0.000666667 |
| ND<0.025 U (12/10/2018) | 0.035 (11/19/2014) | (0.025 - 0.035)/(24 - 8) | -0.000625 |
| ND<0.025 U (4/15/2019) | 0.035 (11/19/2014) | (0.025 - 0.035)/(25 - 8) | -0.000588235 |
| ND<0.025 U (6/12/2019) | 0.035 (11/19/2014) | (0.025 - 0.035)/(26 - 8) | -0.000555556 |
| ND<0.025 U (8/27/2019) | 0.035 (11/19/2014) | (0.025 - 0.035)/(27 - 8) | -0.000526316 |
| ND<0.025 U (10/29/2019) | 0.035 (11/19/2014) | (0.025 - 0.035)/(28 - 8) | -0.0005 |
| ND<0.025 U (3/30/2020) | 0.035 (11/19/2014) | (0.025 - 0.035)/(29 - 8) | -0.00047619 |
| ND<0.03 U (6/16/2020) | 0.035 (11/19/2014) | (0.03 - 0.035)/(30 - 8) | -0.000227273 |
| ND<0.03 U (9/21/2020) | 0.035 (11/19/2014) | (0.03 - 0.035)/(31 - 8) | -0.000217391 |
| 0.057 (9/2/2021) | 0.035 (11/19/2014) | (0.057 - 0.035)/(32 - 8) | 0.000916667 |
| ND<0.03 U (1/11/2022) | 0.035 (11/19/2014) | (0.03 - 0.035)/(33 - 8) | -0.0002 |
| ND<0.03 U (4/7/2022) | 0.035 (11/19/2014) | (0.03 - 0.035)/(34 - 8) | -0.000192308 |
| ND<0.03 U (8/2/2022) | 0.035 (11/19/2014) | (0.03 - 0.035)/(35 - 8) | -0.000185185 |
| ND<0.03 U (11/16/2022) | 0.035 (11/19/2014) | (0.03 - 0.035)/(36 - 8) | -0.000178571 |
| ND<0.03 U (2/14/2023) | 0.035 (11/19/2014) | (0.03 - 0.035)/(37 - 8) | -0.000172414 |
| ND<0.014 U (5/25/2023) | 0.035 (11/19/2014) | (0.014 - 0.035)/(38 - 8) | -0.0007 |
| ND<0.03 U (8/7/2023) | 0.035 (11/19/2014) | (0.03 - 0.035)/(39 - 8) | -0.00016129 |
| ND<0.014 U (12/12/2023) | 0.035 (11/19/2014) | (0.014 - 0.035)/(40 - 8) | -0.00065625 |
| 0.027 (1/10/2024) | 0.035 (11/19/2014) | (0.027 - 0.035)/(41 - 8) | -0.000242424 |
| ND<0.03 U (5/21/2024) | 0.035 (11/19/2014) | (0.03 - 0.035)/(42 - 8) | -0.000147059 |
| ND<0.014 U (9/16/2024) | 0.035 (11/19/2014) | (0.014 - 0.035)/(43 - 8) | -0.0006 |
| ND<0.0196 U (12/11/2024) | 0.035 (11/19/2014) | (0.0196 - 0.035)/(44 - 8) | -0.000427778 |
| 0.159 (2/18/2025) | 0.035 (11/19/2014) | (0.159 - 0.035)/(45 - 8) | 0.00335135 |
| | | | |
| ND<0.025 U (4/22/2015) | 0.026 (3/23/2015) | (0.025 - 0.026)/(10 - 9) | -0.001 |

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|---|---|---|---|
| ND<0.025 U (9/30/2015) | 0.026 (3/23/2015) | (0.025 - 0.026)/(11 - 9) | -0.0005 |
| 0.032 (11/19/2015) | 0.026 (3/23/2015) | (0.032 - 0.026)/(12 - 9) | 0.002 |
| ND<0.025 U (3/15/2016) | 0.026 (3/23/2015) | (0.025 - 0.026)/(13 - 9) | -0.00025 |
| 0.062 (6/29/2016) | 0.026 (3/23/2015) | (0.062 - 0.026)/(14 - 9) | 0.0072 |
| ND<0.025 U (8/9/2016) | 0.026 (3/23/2015) | (0.025 - 0.026)/(15 - 9) | -0.000166667 |
| ND<0.025 U (12/7/2016) | 0.026 (3/23/2015) | (0.025 - 0.026)/(16 - 9) | -0.000142857 |
| ND<0.025 U (3/2/2017) | 0.026 (3/23/2015) | (0.025 - 0.026)/(17 - 9) | -0.000125 |
| 0.039 (7/5/2017) | 0.026 (3/23/2015) | (0.039 - 0.026)/(18 - 9) | 0.00144444 |
| 0.07 (8/16/2017) | 0.026 (3/23/2015) | (0.07 - 0.026)/(19 - 9) | 0.0044 |
| 0.053 (10/25/2017) | 0.026 (3/23/2015) | (0.053 - 0.026)/(20 - 9) | 0.00245455 |
| ND<0.025 U (3/28/2018) | 0.026 (3/23/2015) | (0.025 - 0.026)/(21 - 9) | -8.33333e-05 |
| ND<0.025 U (6/29/2018) | 0.026 (3/23/2015) | (0.025 - 0.026)/(22 - 9) | -7.69231e-05 |
| ND<0.025 U (8/2/2018) | 0.026 (3/23/2015) | (0.025 - 0.026)/(23 - 9) | -7.14286e-05 |
| ND<0.025 U (12/10/2018) | 0.026 (3/23/2015) | (0.025 - 0.026)/(24 - 9) | -6.66667e-05 |
| ND<0.025 U (4/15/2019) | 0.026 (3/23/2015) | (0.025 - 0.026)/(25 - 9) | -6.25e-05 |
| ND<0.025 U (6/12/2019) | 0.026 (3/23/2015) | (0.025 - 0.026)/(26 - 9) | -5.88235e-05 |
| ND<0.025 U (8/27/2019) | 0.026 (3/23/2015) | (0.025 - 0.026)/(27 - 9) | -5.55556e-05 |
| ND<0.025 U (10/29/2019) | 0.026 (3/23/2015) | (0.025 - 0.026)/(28 - 9) | -5.26316e-05 |
| ND<0.025 U (3/30/2020) | 0.026 (3/23/2015) | (0.025 - 0.026)/(29 - 9) | -5e-05 |
| ND<0.03 U (6/16/2020) | 0.026 (3/23/2015) | (0.03 - 0.026)/(30 - 9) | 0.000190476 |
| ND<0.03 U (9/21/2020) | 0.026 (3/23/2015) | (0.03 - 0.026)/(31 - 9) | 0.000181818 |
| 0.057 (9/2/2021) | 0.026 (3/23/2015) | (0.057 - 0.026)/(32 - 9) | 0.00134783 |
| ND<0.03 U (1/11/2022) | 0.026 (3/23/2015) | (0.03 - 0.026)/(33 - 9) | 0.000166667 |
| ND<0.03 U (4/7/2022) | 0.026 (3/23/2015) | (0.03 - 0.026)/(34 - 9) | 0.00016 |
| ND<0.03 U (8/2/2022) | 0.026 (3/23/2015) | (0.03 - 0.026)/(35 - 9) | 0.000153846 |
| ND<0.03 U (11/16/2022) | 0.026 (3/23/2015) | (0.03 - 0.026)/(36 - 9) | 0.000148148 |
| ND<0.03 U (2/14/2023) | 0.026 (3/23/2015) | (0.03 - 0.026)/(37 - 9) | 0.000142857 |
| ND<0.014 U (5/25/2023) | 0.026 (3/23/2015) | (0.014 - 0.026)/(38 - 9) | -0.000413793 |
| ND<0.03 U (8/7/2023) | 0.026 (3/23/2015) | (0.03 - 0.026)/(39 - 9) | 0.000133333 |
| ND<0.014 U (12/12/2023) | 0.026 (3/23/2015) | (0.014 - 0.026)/(40 - 9) | -0.000387097 |
| 0.027 (1/10/2024) | 0.026 (3/23/2015) | (0.027 - 0.026)/(41 - 9) | 3.125e-05 |
| ND<0.03 U (5/21/2024) | 0.026 (3/23/2015) | (0.03 - 0.026)/(42 - 9) | 0.000121212 |
| ND<0.014 U (9/16/2024) | 0.026 (3/23/2015) | (0.014 - 0.026)/(43 - 9) | -0.000352941 |
| ND<0.0196 U (12/11/2024) | 0.026 (3/23/2015) | (0.0196 - 0.026)/(44 - 9) | -0.000182857 |
| 0.159 (2/18/2025) | 0.026 (3/23/2015) | (0.159 - 0.026)/(45 - 9) | 0.00369444 |

| | | | |
|---|---|---|---|
| ND<0.025 U (9/30/2015) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(11 - 10) | 0 |
| 0.032 (11/19/2015) | ND<0.025 U (4/22/2015) | (0.032 - 0.025)/(12 - 10) | 0.0035 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(13 - 10) | 0 |
| 0.062 (6/29/2016) | ND<0.025 U (4/22/2015) | (0.062 - 0.025)/(14 - 10) | 0.00925 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(15 - 10) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(16 - 10) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(17 - 10) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (4/22/2015) | (0.039 - 0.025)/(18 - 10) | 0.00175 |
| 0.07 (8/16/2017) | ND<0.025 U (4/22/2015) | (0.07 - 0.025)/(19 - 10) | 0.005 |
| 0.053 (10/25/2017) | ND<0.025 U (4/22/2015) | (0.053 - 0.025)/(20 - 10) | 0.0028 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(21 - 10) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(22 - 10) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(23 - 10) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(24 - 10) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(25 - 10) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(26 - 10) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(27 - 10) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(28 - 10) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/22/2015) | (0.025 - 0.025)/(29 - 10) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(30 - 10) | 0.00025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(31 - 10) | 0.000238095 |

| | | | |
|---|---|---|---|
| 0.057 (9/2/2021) | ND<0.025 U (4/22/2015) | (0.057 - 0.025)/(32 - 10) | 0.00145455 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(33 - 10) | 0.000217391 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(34 - 10) | 0.000208333 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(35 - 10) | 0.0002 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(36 - 10) | 0.000192308 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(37 - 10) | 0.000185185 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(38 - 10) | -0.000392857 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(39 - 10) | 0.000172414 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(40 - 10) | -0.000366667 |
| 0.027 (1/10/2024) | ND<0.025 U (4/22/2015) | (0.027 - 0.025)/(41 - 10) | 6.45161e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/22/2015) | (0.03 - 0.025)/(42 - 10) | 0.00015625 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/22/2015) | (0.014 - 0.025)/(43 - 10) | -0.000333333 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (4/22/2015) | (0.0196 - 0.025)/(44 - 10) | -0.000158824 |
| 0.159 (2/18/2025) | ND<0.025 U (4/22/2015) | (0.159 - 0.025)/(45 - 10) | 0.00382857 |
| | | | |
| 0.032 (11/19/2015) | ND<0.025 U (9/30/2015) | (0.032 - 0.025)/(12 - 11) | 0.007 |
| ND<0.025 U (3/15/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(13 - 11) | 0 |
| 0.062 (6/29/2016) | ND<0.025 U (9/30/2015) | (0.062 - 0.025)/(14 - 11) | 0.0123333 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(15 - 11) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(16 - 11) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(17 - 11) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (9/30/2015) | (0.039 - 0.025)/(18 - 11) | 0.002 |
| 0.07 (8/16/2017) | ND<0.025 U (9/30/2015) | (0.07 - 0.025)/(19 - 11) | 0.005625 |
| 0.053 (10/25/2017) | ND<0.025 U (9/30/2015) | (0.053 - 0.025)/(20 - 11) | 0.00311111 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(21 - 11) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(22 - 11) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(23 - 11) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(24 - 11) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(25 - 11) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(26 - 11) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(27 - 11) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(28 - 11) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (9/30/2015) | (0.025 - 0.025)/(29 - 11) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(30 - 11) | 0.000263158 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(31 - 11) | 0.00025 |
| 0.057 (9/2/2021) | ND<0.025 U (9/30/2015) | (0.057 - 0.025)/(32 - 11) | 0.00152381 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(33 - 11) | 0.000227273 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(34 - 11) | 0.000217391 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(35 - 11) | 0.000208333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(36 - 11) | 0.0002 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(37 - 11) | 0.000192308 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(38 - 11) | -0.000407407 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(39 - 11) | 0.000178571 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(40 - 11) | -0.00037931 |
| 0.027 (1/10/2024) | ND<0.025 U (9/30/2015) | (0.027 - 0.025)/(41 - 11) | 6.66667e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (9/30/2015) | (0.03 - 0.025)/(42 - 11) | 0.00016129 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (9/30/2015) | (0.014 - 0.025)/(43 - 11) | -0.00034375 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (9/30/2015) | (0.0196 - 0.025)/(44 - 11) | -0.000163636 |
| 0.159 (2/18/2025) | ND<0.025 U (9/30/2015) | (0.159 - 0.025)/(45 - 11) | 0.00394118 |
| | | | |
| ND<0.025 U (3/15/2016) | 0.032 (11/19/2015) | (0.025 - 0.032)/(13 - 12) | -0.007 |
| 0.062 (6/29/2016) | 0.032 (11/19/2015) | (0.062 - 0.032)/(14 - 12) | 0.015 |
| ND<0.025 U (8/9/2016) | 0.032 (11/19/2015) | (0.025 - 0.032)/(15 - 12) | -0.00233333 |
| ND<0.025 U (12/7/2016) | 0.032 (11/19/2015) | (0.025 - 0.032)/(16 - 12) | -0.00175 |
| ND<0.025 U (3/2/2017) | 0.032 (11/19/2015) | (0.025 - 0.032)/(17 - 12) | -0.0014 |
| 0.039 (7/5/2017) | 0.032 (11/19/2015) | (0.039 - 0.032)/(18 - 12) | 0.00116667 |
| 0.07 (8/16/2017) | 0.032 (11/19/2015) | (0.07 - 0.032)/(19 - 12) | 0.00542857 |

| | | | |
|---|---|---|---|
| 0.053 (10/25/2017) | 0.032 (11/19/2015) | (0.053 - 0.032)/(20 - 12) | 0.002625 |
| ND<0.025 U (3/28/2018) | 0.032 (11/19/2015) | (0.025 - 0.032)/(21 - 12) | -0.000777778 |
| ND<0.025 U (6/29/2018) | 0.032 (11/19/2015) | (0.025 - 0.032)/(22 - 12) | -0.0007 |
| ND<0.025 U (8/2/2018) | 0.032 (11/19/2015) | (0.025 - 0.032)/(23 - 12) | -0.000636364 |
| ND<0.025 U (12/10/2018) | 0.032 (11/19/2015) | (0.025 - 0.032)/(24 - 12) | -0.000583333 |
| ND<0.025 U (4/15/2019) | 0.032 (11/19/2015) | (0.025 - 0.032)/(25 - 12) | -0.000538462 |
| ND<0.025 U (6/12/2019) | 0.032 (11/19/2015) | (0.025 - 0.032)/(26 - 12) | -0.0005 |
| ND<0.025 U (8/27/2019) | 0.032 (11/19/2015) | (0.025 - 0.032)/(27 - 12) | -0.000466667 |
| ND<0.025 U (10/29/2019) | 0.032 (11/19/2015) | (0.025 - 0.032)/(28 - 12) | -0.0004375 |
| ND<0.025 U (3/30/2020) | 0.032 (11/19/2015) | (0.025 - 0.032)/(29 - 12) | -0.000411765 |
| ND<0.03 U (6/16/2020) | 0.032 (11/19/2015) | (0.03 - 0.032)/(30 - 12) | -0.000111111 |
| ND<0.03 U (9/21/2020) | 0.032 (11/19/2015) | (0.03 - 0.032)/(31 - 12) | -0.000105263 |
| 0.057 (9/2/2021) | 0.032 (11/19/2015) | (0.057 - 0.032)/(32 - 12) | 0.00125 |
| ND<0.03 U (1/11/2022) | 0.032 (11/19/2015) | (0.03 - 0.032)/(33 - 12) | -9.52381e-05 |
| ND<0.03 U (4/7/2022) | 0.032 (11/19/2015) | (0.03 - 0.032)/(34 - 12) | -9.09091e-05 |
| ND<0.03 U (8/2/2022) | 0.032 (11/19/2015) | (0.03 - 0.032)/(35 - 12) | -8.69565e-05 |
| ND<0.03 U (11/16/2022) | 0.032 (11/19/2015) | (0.03 - 0.032)/(36 - 12) | -8.33333e-05 |
| ND<0.03 U (2/14/2023) | 0.032 (11/19/2015) | (0.03 - 0.032)/(37 - 12) | -8e-05 |
| ND<0.014 U (5/25/2023) | 0.032 (11/19/2015) | (0.014 - 0.032)/(38 - 12) | -0.000692308 |
| ND<0.03 U (8/7/2023) | 0.032 (11/19/2015) | (0.03 - 0.032)/(39 - 12) | -7.40741e-05 |
| ND<0.014 U (12/12/2023) | 0.032 (11/19/2015) | (0.014 - 0.032)/(40 - 12) | -0.000642857 |
| 0.027 (1/10/2024) | 0.032 (11/19/2015) | (0.027 - 0.032)/(41 - 12) | -0.000172414 |
| ND<0.03 U (5/21/2024) | 0.032 (11/19/2015) | (0.03 - 0.032)/(42 - 12) | -6.66667e-05 |
| ND<0.014 U (9/16/2024) | 0.032 (11/19/2015) | (0.014 - 0.032)/(43 - 12) | -0.000580645 |
| ND<0.0196 U (12/11/2024) | 0.032 (11/19/2015) | (0.0196 - 0.032)/(44 - 12) | -0.0003875 |
| 0.159 (2/18/2025) | 0.032 (11/19/2015) | (0.159 - 0.032)/(45 - 12) | 0.00384848 |
| | | | |
| 0.062 (6/29/2016) | ND<0.025 U (3/15/2016) | (0.062 - 0.025)/(14 - 13) | 0.037 |
| ND<0.025 U (8/9/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(15 - 13) | 0 |
| ND<0.025 U (12/7/2016) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(16 - 13) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(17 - 13) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (3/15/2016) | (0.039 - 0.025)/(18 - 13) | 0.0028 |
| 0.07 (8/16/2017) | ND<0.025 U (3/15/2016) | (0.07 - 0.025)/(19 - 13) | 0.0075 |
| 0.053 (10/25/2017) | ND<0.025 U (3/15/2016) | (0.053 - 0.025)/(20 - 13) | 0.004 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(21 - 13) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(22 - 13) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(23 - 13) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(24 - 13) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(25 - 13) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(26 - 13) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(27 - 13) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(28 - 13) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/15/2016) | (0.025 - 0.025)/(29 - 13) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(30 - 13) | 0.000294118 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(31 - 13) | 0.000277778 |
| 0.057 (9/2/2021) | ND<0.025 U (3/15/2016) | (0.057 - 0.025)/(32 - 13) | 0.00168421 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(33 - 13) | 0.00025 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(34 - 13) | 0.000238095 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(35 - 13) | 0.000227273 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(36 - 13) | 0.000217391 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(37 - 13) | 0.000208333 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(38 - 13) | -0.00044 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(39 - 13) | 0.000192308 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(40 - 13) | -0.000407407 |
| 0.027 (1/10/2024) | ND<0.025 U (3/15/2016) | (0.027 - 0.025)/(41 - 13) | 7.14286e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/15/2016) | (0.03 - 0.025)/(42 - 13) | 0.000172414 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/15/2016) | (0.014 - 0.025)/(43 - 13) | -0.000366667 |

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|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/15/2016) | (0.0196 - 0.025)/(44 - 13) | -0.000174194 |
| 0.159 (2/18/2025) | ND<0.025 U (3/15/2016) | (0.159 - 0.025)/(45 - 13) | 0.0041875 |
| | | | |
| ND<0.025 U (8/9/2016) | 0.062 (6/29/2016) | (0.025 - 0.062)/(15 - 14) | -0.037 |
| ND<0.025 U (12/7/2016) | 0.062 (6/29/2016) | (0.025 - 0.062)/(16 - 14) | -0.0185 |
| ND<0.025 U (3/2/2017) | 0.062 (6/29/2016) | (0.025 - 0.062)/(17 - 14) | -0.0123333 |
| 0.039 (7/5/2017) | 0.062 (6/29/2016) | (0.039 - 0.062)/(18 - 14) | -0.00575 |
| 0.07 (8/16/2017) | 0.062 (6/29/2016) | (0.07 - 0.062)/(19 - 14) | 0.0016 |
| 0.053 (10/25/2017) | 0.062 (6/29/2016) | (0.053 - 0.062)/(20 - 14) | -0.0015 |
| ND<0.025 U (3/28/2018) | 0.062 (6/29/2016) | (0.025 - 0.062)/(21 - 14) | -0.00528571 |
| ND<0.025 U (6/29/2018) | 0.062 (6/29/2016) | (0.025 - 0.062)/(22 - 14) | -0.004625 |
| ND<0.025 U (8/2/2018) | 0.062 (6/29/2016) | (0.025 - 0.062)/(23 - 14) | -0.00411111 |
| ND<0.025 U (12/10/2018) | 0.062 (6/29/2016) | (0.025 - 0.062)/(24 - 14) | -0.0037 |
| ND<0.025 U (4/15/2019) | 0.062 (6/29/2016) | (0.025 - 0.062)/(25 - 14) | -0.00336364 |
| ND<0.025 U (6/12/2019) | 0.062 (6/29/2016) | (0.025 - 0.062)/(26 - 14) | -0.00308333 |
| ND<0.025 U (8/27/2019) | 0.062 (6/29/2016) | (0.025 - 0.062)/(27 - 14) | -0.00284615 |
| ND<0.025 U (10/29/2019) | 0.062 (6/29/2016) | (0.025 - 0.062)/(28 - 14) | -0.00264286 |
| ND<0.025 U (3/30/2020) | 0.062 (6/29/2016) | (0.025 - 0.062)/(29 - 14) | -0.00246667 |
| ND<0.03 U (6/16/2020) | 0.062 (6/29/2016) | (0.03 - 0.062)/(30 - 14) | -0.002 |
| ND<0.03 U (9/21/2020) | 0.062 (6/29/2016) | (0.03 - 0.062)/(31 - 14) | -0.00188235 |
| 0.057 (9/2/2021) | 0.062 (6/29/2016) | (0.057 - 0.062)/(32 - 14) | -0.000277778 |
| ND<0.03 U (1/11/2022) | 0.062 (6/29/2016) | (0.03 - 0.062)/(33 - 14) | -0.00168421 |
| ND<0.03 U (4/7/2022) | 0.062 (6/29/2016) | (0.03 - 0.062)/(34 - 14) | -0.0016 |
| ND<0.03 U (8/2/2022) | 0.062 (6/29/2016) | (0.03 - 0.062)/(35 - 14) | -0.00152381 |
| ND<0.03 U (11/16/2022) | 0.062 (6/29/2016) | (0.03 - 0.062)/(36 - 14) | -0.00145455 |
| ND<0.03 U (2/14/2023) | 0.062 (6/29/2016) | (0.03 - 0.062)/(37 - 14) | -0.0013913 |
| ND<0.014 U (5/25/2023) | 0.062 (6/29/2016) | (0.014 - 0.062)/(38 - 14) | -0.002 |
| ND<0.03 U (8/7/2023) | 0.062 (6/29/2016) | (0.03 - 0.062)/(39 - 14) | -0.00128 |
| ND<0.014 U (12/12/2023) | 0.062 (6/29/2016) | (0.014 - 0.062)/(40 - 14) | -0.00184615 |
| 0.027 (1/10/2024) | 0.062 (6/29/2016) | (0.027 - 0.062)/(41 - 14) | -0.0012963 |
| ND<0.03 U (5/21/2024) | 0.062 (6/29/2016) | (0.03 - 0.062)/(42 - 14) | -0.00114286 |
| ND<0.014 U (9/16/2024) | 0.062 (6/29/2016) | (0.014 - 0.062)/(43 - 14) | -0.00165517 |
| ND<0.0196 U (12/11/2024) | 0.062 (6/29/2016) | (0.0196 - 0.062)/(44 - 14) | -0.00141333 |
| 0.159 (2/18/2025) | 0.062 (6/29/2016) | (0.159 - 0.062)/(45 - 14) | 0.00312903 |
| | | | |
| ND<0.025 U (12/7/2016) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(16 - 15) | 0 |
| ND<0.025 U (3/2/2017) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(17 - 15) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (8/9/2016) | (0.039 - 0.025)/(18 - 15) | 0.00466667 |
| 0.07 (8/16/2017) | ND<0.025 U (8/9/2016) | (0.07 - 0.025)/(19 - 15) | 0.01125 |
| 0.053 (10/25/2017) | ND<0.025 U (8/9/2016) | (0.053 - 0.025)/(20 - 15) | 0.0056 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(21 - 15) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(22 - 15) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(23 - 15) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(24 - 15) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(25 - 15) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(26 - 15) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(27 - 15) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(28 - 15) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/9/2016) | (0.025 - 0.025)/(29 - 15) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(30 - 15) | 0.000333333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(31 - 15) | 0.0003125 |
| 0.057 (9/2/2021) | ND<0.025 U (8/9/2016) | (0.057 - 0.025)/(32 - 15) | 0.00188235 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(33 - 15) | 0.000277778 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(34 - 15) | 0.000263158 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(35 - 15) | 0.00025 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(36 - 15) | 0.000238095 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(37 - 15) | 0.000227273 |

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|---|---|---|---|
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(38 - 15) | -0.000478261 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(39 - 15) | 0.000208333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(40 - 15) | -0.00044 |
| 0.027 (1/10/2024) | ND<0.025 U (8/9/2016) | (0.027 - 0.025)/(41 - 15) | 7.69231e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/9/2016) | (0.03 - 0.025)/(42 - 15) | 0.000185185 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/9/2016) | (0.014 - 0.025)/(43 - 15) | -0.000392857 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/9/2016) | (0.0196 - 0.025)/(44 - 15) | -0.000186207 |
| 0.159 (2/18/2025) | ND<0.025 U (8/9/2016) | (0.159 - 0.025)/(45 - 15) | 0.00446667 |
| | | | |
| ND<0.025 U (3/2/2017) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(17 - 16) | 0 |
| 0.039 (7/5/2017) | ND<0.025 U (12/7/2016) | (0.039 - 0.025)/(18 - 16) | 0.007 |
| 0.07 (8/16/2017) | ND<0.025 U (12/7/2016) | (0.07 - 0.025)/(19 - 16) | 0.015 |
| 0.053 (10/25/2017) | ND<0.025 U (12/7/2016) | (0.053 - 0.025)/(20 - 16) | 0.007 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(21 - 16) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(22 - 16) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(23 - 16) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(24 - 16) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(25 - 16) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(26 - 16) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(27 - 16) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(28 - 16) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/7/2016) | (0.025 - 0.025)/(29 - 16) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(30 - 16) | 0.000357143 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(31 - 16) | 0.000333333 |
| 0.057 (9/2/2021) | ND<0.025 U (12/7/2016) | (0.057 - 0.025)/(32 - 16) | 0.002 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(33 - 16) | 0.000294118 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(34 - 16) | 0.000277778 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(35 - 16) | 0.000263158 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(36 - 16) | 0.00025 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(37 - 16) | 0.000238095 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(38 - 16) | -0.0005 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(39 - 16) | 0.000217391 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(40 - 16) | -0.000458333 |
| 0.027 (1/10/2024) | ND<0.025 U (12/7/2016) | (0.027 - 0.025)/(41 - 16) | 8e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/7/2016) | (0.03 - 0.025)/(42 - 16) | 0.000192308 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/7/2016) | (0.014 - 0.025)/(43 - 16) | -0.000407407 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/7/2016) | (0.0196 - 0.025)/(44 - 16) | -0.000192857 |
| 0.159 (2/18/2025) | ND<0.025 U (12/7/2016) | (0.159 - 0.025)/(45 - 16) | 0.00462069 |
| | | | |
| 0.039 (7/5/2017) | ND<0.025 U (3/2/2017) | (0.039 - 0.025)/(18 - 17) | 0.014 |
| 0.07 (8/16/2017) | ND<0.025 U (3/2/2017) | (0.07 - 0.025)/(19 - 17) | 0.0225 |
| 0.053 (10/25/2017) | ND<0.025 U (3/2/2017) | (0.053 - 0.025)/(20 - 17) | 0.00933333 |
| ND<0.025 U (3/28/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(21 - 17) | 0 |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(22 - 17) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(23 - 17) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(24 - 17) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(25 - 17) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(26 - 17) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(27 - 17) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(28 - 17) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/2/2017) | (0.025 - 0.025)/(29 - 17) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(30 - 17) | 0.000384615 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(31 - 17) | 0.000357143 |
| 0.057 (9/2/2021) | ND<0.025 U (3/2/2017) | (0.057 - 0.025)/(32 - 17) | 0.00213333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(33 - 17) | 0.0003125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(34 - 17) | 0.000294118 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(35 - 17) | 0.000277778 |

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|---|---|---|---|
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(36 - 17) | 0.000263158 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(37 - 17) | 0.00025 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(38 - 17) | -0.00052381 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(39 - 17) | 0.000227273 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(40 - 17) | -0.000478261 |
| 0.027 (1/10/2024) | ND<0.025 U (3/2/2017) | (0.027 - 0.025)/(41 - 17) | 8.33333e-05 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/2/2017) | (0.03 - 0.025)/(42 - 17) | 0.0002 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/2/2017) | (0.014 - 0.025)/(43 - 17) | -0.000423077 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/2/2017) | (0.0196 - 0.025)/(44 - 17) | -0.0002 |
| 0.159 (2/18/2025) | ND<0.025 U (3/2/2017) | (0.159 - 0.025)/(45 - 17) | 0.00478571 |
| | | | |
| 0.07 (8/16/2017) | 0.039 (7/5/2017) | (0.07 - 0.039)/(19 - 18) | 0.031 |
| 0.053 (10/25/2017) | 0.039 (7/5/2017) | (0.053 - 0.039)/(20 - 18) | 0.007 |
| ND<0.025 U (3/28/2018) | 0.039 (7/5/2017) | (0.025 - 0.039)/(21 - 18) | -0.00466667 |
| ND<0.025 U (6/29/2018) | 0.039 (7/5/2017) | (0.025 - 0.039)/(22 - 18) | -0.0035 |
| ND<0.025 U (8/2/2018) | 0.039 (7/5/2017) | (0.025 - 0.039)/(23 - 18) | -0.0028 |
| ND<0.025 U (12/10/2018) | 0.039 (7/5/2017) | (0.025 - 0.039)/(24 - 18) | -0.00233333 |
| ND<0.025 U (4/15/2019) | 0.039 (7/5/2017) | (0.025 - 0.039)/(25 - 18) | -0.002 |
| ND<0.025 U (6/12/2019) | 0.039 (7/5/2017) | (0.025 - 0.039)/(26 - 18) | -0.00175 |
| ND<0.025 U (8/27/2019) | 0.039 (7/5/2017) | (0.025 - 0.039)/(27 - 18) | -0.00155556 |
| ND<0.025 U (10/29/2019) | 0.039 (7/5/2017) | (0.025 - 0.039)/(28 - 18) | -0.0014 |
| ND<0.025 U (3/30/2020) | 0.039 (7/5/2017) | (0.025 - 0.039)/(29 - 18) | -0.00127273 |
| ND<0.03 U (6/16/2020) | 0.039 (7/5/2017) | (0.03 - 0.039)/(30 - 18) | -0.00075 |
| ND<0.03 U (9/21/2020) | 0.039 (7/5/2017) | (0.03 - 0.039)/(31 - 18) | -0.000692308 |
| 0.057 (9/2/2021) | 0.039 (7/5/2017) | (0.057 - 0.039)/(32 - 18) | 0.00128571 |
| ND<0.03 U (1/11/2022) | 0.039 (7/5/2017) | (0.03 - 0.039)/(33 - 18) | -0.0006 |
| ND<0.03 U (4/7/2022) | 0.039 (7/5/2017) | (0.03 - 0.039)/(34 - 18) | -0.0005625 |
| ND<0.03 U (8/2/2022) | 0.039 (7/5/2017) | (0.03 - 0.039)/(35 - 18) | -0.000529412 |
| ND<0.03 U (11/16/2022) | 0.039 (7/5/2017) | (0.03 - 0.039)/(36 - 18) | -0.0005 |
| ND<0.03 U (2/14/2023) | 0.039 (7/5/2017) | (0.03 - 0.039)/(37 - 18) | -0.000473684 |
| ND<0.014 U (5/25/2023) | 0.039 (7/5/2017) | (0.014 - 0.039)/(38 - 18) | -0.00125 |
| ND<0.03 U (8/7/2023) | 0.039 (7/5/2017) | (0.03 - 0.039)/(39 - 18) | -0.000428571 |
| ND<0.014 U (12/12/2023) | 0.039 (7/5/2017) | (0.014 - 0.039)/(40 - 18) | -0.00113636 |
| 0.027 (1/10/2024) | 0.039 (7/5/2017) | (0.027 - 0.039)/(41 - 18) | -0.000521739 |
| ND<0.03 U (5/21/2024) | 0.039 (7/5/2017) | (0.03 - 0.039)/(42 - 18) | -0.000375 |
| ND<0.014 U (9/16/2024) | 0.039 (7/5/2017) | (0.014 - 0.039)/(43 - 18) | -0.001 |
| ND<0.0196 U (12/11/2024) | 0.039 (7/5/2017) | (0.0196 - 0.039)/(44 - 18) | -0.000746154 |
| 0.159 (2/18/2025) | 0.039 (7/5/2017) | (0.159 - 0.039)/(45 - 18) | 0.00444444 |
| | | | |
| 0.053 (10/25/2017) | 0.07 (8/16/2017) | (0.053 - 0.07)/(20 - 19) | -0.017 |
| ND<0.025 U (3/28/2018) | 0.07 (8/16/2017) | (0.025 - 0.07)/(21 - 19) | -0.0225 |
| ND<0.025 U (6/29/2018) | 0.07 (8/16/2017) | (0.025 - 0.07)/(22 - 19) | -0.015 |
| ND<0.025 U (8/2/2018) | 0.07 (8/16/2017) | (0.025 - 0.07)/(23 - 19) | -0.01125 |
| ND<0.025 U (12/10/2018) | 0.07 (8/16/2017) | (0.025 - 0.07)/(24 - 19) | -0.009 |
| ND<0.025 U (4/15/2019) | 0.07 (8/16/2017) | (0.025 - 0.07)/(25 - 19) | -0.0075 |
| ND<0.025 U (6/12/2019) | 0.07 (8/16/2017) | (0.025 - 0.07)/(26 - 19) | -0.00642857 |
| ND<0.025 U (8/27/2019) | 0.07 (8/16/2017) | (0.025 - 0.07)/(27 - 19) | -0.005625 |
| ND<0.025 U (10/29/2019) | 0.07 (8/16/2017) | (0.025 - 0.07)/(28 - 19) | -0.005 |
| ND<0.025 U (3/30/2020) | 0.07 (8/16/2017) | (0.025 - 0.07)/(29 - 19) | -0.0045 |
| ND<0.03 U (6/16/2020) | 0.07 (8/16/2017) | (0.03 - 0.07)/(30 - 19) | -0.00363636 |
| ND<0.03 U (9/21/2020) | 0.07 (8/16/2017) | (0.03 - 0.07)/(31 - 19) | -0.00333333 |
| 0.057 (9/2/2021) | 0.07 (8/16/2017) | (0.057 - 0.07)/(32 - 19) | -0.001 |
| ND<0.03 U (1/11/2022) | 0.07 (8/16/2017) | (0.03 - 0.07)/(33 - 19) | -0.00285714 |
| ND<0.03 U (4/7/2022) | 0.07 (8/16/2017) | (0.03 - 0.07)/(34 - 19) | -0.00266667 |
| ND<0.03 U (8/2/2022) | 0.07 (8/16/2017) | (0.03 - 0.07)/(35 - 19) | -0.0025 |
| ND<0.03 U (11/16/2022) | 0.07 (8/16/2017) | (0.03 - 0.07)/(36 - 19) | -0.00235294 |
| ND<0.03 U (2/14/2023) | 0.07 (8/16/2017) | (0.03 - 0.07)/(37 - 19) | -0.00222222 |

| | | | |
|---|---|---|---|
| ND<0.014 U (5/25/2023) | 0.07 (8/16/2017) | (0.014 - 0.07)/(38 - 19) | -0.00294737 |
| ND<0.03 U (8/7/2023) | 0.07 (8/16/2017) | (0.03 - 0.07)/(39 - 19) | -0.002 |
| ND<0.014 U (12/12/2023) | 0.07 (8/16/2017) | (0.014 - 0.07)/(40 - 19) | -0.00266667 |
| 0.027 (1/10/2024) | 0.07 (8/16/2017) | (0.027 - 0.07)/(41 - 19) | -0.00195455 |
| ND<0.03 U (5/21/2024) | 0.07 (8/16/2017) | (0.03 - 0.07)/(42 - 19) | -0.00173913 |
| ND<0.014 U (9/16/2024) | 0.07 (8/16/2017) | (0.014 - 0.07)/(43 - 19) | -0.00233333 |
| ND<0.0196 U (12/11/2024) | 0.07 (8/16/2017) | (0.0196 - 0.07)/(44 - 19) | -0.002016 |
| 0.159 (2/18/2025) | 0.07 (8/16/2017) | (0.159 - 0.07)/(45 - 19) | 0.00342308 |
| | | | |
| ND<0.025 U (3/28/2018) | 0.053 (10/25/2017) | (0.025 - 0.053)/(21 - 20) | -0.028 |
| ND<0.025 U (6/29/2018) | 0.053 (10/25/2017) | (0.025 - 0.053)/(22 - 20) | -0.014 |
| ND<0.025 U (8/2/2018) | 0.053 (10/25/2017) | (0.025 - 0.053)/(23 - 20) | -0.00933333 |
| ND<0.025 U (12/10/2018) | 0.053 (10/25/2017) | (0.025 - 0.053)/(24 - 20) | -0.007 |
| ND<0.025 U (4/15/2019) | 0.053 (10/25/2017) | (0.025 - 0.053)/(25 - 20) | -0.0056 |
| ND<0.025 U (6/12/2019) | 0.053 (10/25/2017) | (0.025 - 0.053)/(26 - 20) | -0.00466667 |
| ND<0.025 U (8/27/2019) | 0.053 (10/25/2017) | (0.025 - 0.053)/(27 - 20) | -0.004 |
| ND<0.025 U (10/29/2019) | 0.053 (10/25/2017) | (0.025 - 0.053)/(28 - 20) | -0.0035 |
| ND<0.025 U (3/30/2020) | 0.053 (10/25/2017) | (0.025 - 0.053)/(29 - 20) | -0.00311111 |
| ND<0.03 U (6/16/2020) | 0.053 (10/25/2017) | (0.03 - 0.053)/(30 - 20) | -0.0023 |
| ND<0.03 U (9/21/2020) | 0.053 (10/25/2017) | (0.03 - 0.053)/(31 - 20) | -0.00209091 |
| 0.057 (9/2/2021) | 0.053 (10/25/2017) | (0.057 - 0.053)/(32 - 20) | 0.000333333 |
| ND<0.03 U (1/11/2022) | 0.053 (10/25/2017) | (0.03 - 0.053)/(33 - 20) | -0.00176923 |
| ND<0.03 U (4/7/2022) | 0.053 (10/25/2017) | (0.03 - 0.053)/(34 - 20) | -0.00164286 |
| ND<0.03 U (8/2/2022) | 0.053 (10/25/2017) | (0.03 - 0.053)/(35 - 20) | -0.00153333 |
| ND<0.03 U (11/16/2022) | 0.053 (10/25/2017) | (0.03 - 0.053)/(36 - 20) | -0.0014375 |
| ND<0.03 U (2/14/2023) | 0.053 (10/25/2017) | (0.03 - 0.053)/(37 - 20) | -0.00135294 |
| ND<0.014 U (5/25/2023) | 0.053 (10/25/2017) | (0.014 - 0.053)/(38 - 20) | -0.00216667 |
| ND<0.03 U (8/7/2023) | 0.053 (10/25/2017) | (0.03 - 0.053)/(39 - 20) | -0.00121053 |
| ND<0.014 U (12/12/2023) | 0.053 (10/25/2017) | (0.014 - 0.053)/(40 - 20) | -0.00195 |
| 0.027 (1/10/2024) | 0.053 (10/25/2017) | (0.027 - 0.053)/(41 - 20) | -0.0012381 |
| ND<0.03 U (5/21/2024) | 0.053 (10/25/2017) | (0.03 - 0.053)/(42 - 20) | -0.00104545 |
| ND<0.014 U (9/16/2024) | 0.053 (10/25/2017) | (0.014 - 0.053)/(43 - 20) | -0.00169565 |
| ND<0.0196 U (12/11/2024) | 0.053 (10/25/2017) | (0.0196 - 0.053)/(44 - 20) | -0.00139167 |
| 0.159 (2/18/2025) | 0.053 (10/25/2017) | (0.159 - 0.053)/(45 - 20) | 0.00424 |
| | | | |
| ND<0.025 U (6/29/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(22 - 21) | 0 |
| ND<0.025 U (8/2/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(23 - 21) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(24 - 21) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(25 - 21) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(26 - 21) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(27 - 21) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(28 - 21) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (3/28/2018) | (0.025 - 0.025)/(29 - 21) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(30 - 21) | 0.000555556 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(31 - 21) | 0.0005 |
| 0.057 (9/2/2021) | ND<0.025 U (3/28/2018) | (0.057 - 0.025)/(32 - 21) | 0.00290909 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(33 - 21) | 0.000416667 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(34 - 21) | 0.000384615 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(35 - 21) | 0.000357143 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(36 - 21) | 0.000333333 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(37 - 21) | 0.0003125 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(38 - 21) | -0.000647059 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(39 - 21) | 0.000277778 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(40 - 21) | -0.000578947 |
| 0.027 (1/10/2024) | ND<0.025 U (3/28/2018) | (0.027 - 0.025)/(41 - 21) | 0.0001 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/28/2018) | (0.03 - 0.025)/(42 - 21) | 0.000238095 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/28/2018) | (0.014 - 0.025)/(43 - 21) | -0.0005 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/28/2018) | (0.0196 - 0.025)/(44 - 21) | -0.000234783 |
| 0.159 (2/18/2025) | ND<0.025 U (3/28/2018) | (0.159 - 0.025)/(45 - 21) | 0.00558333 |
| | | | |
| ND<0.025 U (8/2/2018) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(23 - 22) | 0 |
| ND<0.025 U (12/10/2018) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(24 - 22) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(25 - 22) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(26 - 22) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(27 - 22) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(28 - 22) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/29/2018) | (0.025 - 0.025)/(29 - 22) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(30 - 22) | 0.000625 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(31 - 22) | 0.000555556 |
| 0.057 (9/2/2021) | ND<0.025 U (6/29/2018) | (0.057 - 0.025)/(32 - 22) | 0.0032 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(33 - 22) | 0.000454545 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(34 - 22) | 0.000416667 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(35 - 22) | 0.000384615 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(36 - 22) | 0.000357143 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(37 - 22) | 0.000333333 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(38 - 22) | -0.0006875 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(39 - 22) | 0.000294118 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(40 - 22) | -0.000611111 |
| 0.027 (1/10/2024) | ND<0.025 U (6/29/2018) | (0.027 - 0.025)/(41 - 22) | 0.000105263 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/29/2018) | (0.03 - 0.025)/(42 - 22) | 0.00025 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/29/2018) | (0.014 - 0.025)/(43 - 22) | -0.00052381 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/29/2018) | (0.0196 - 0.025)/(44 - 22) | -0.000245455 |
| 0.159 (2/18/2025) | ND<0.025 U (6/29/2018) | (0.159 - 0.025)/(45 - 22) | 0.00582609 |
| | | | |
| ND<0.025 U (12/10/2018) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(24 - 23) | 0 |
| ND<0.025 U (4/15/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(25 - 23) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(26 - 23) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(27 - 23) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(28 - 23) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/2/2018) | (0.025 - 0.025)/(29 - 23) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(30 - 23) | 0.000714286 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(31 - 23) | 0.000625 |
| 0.057 (9/2/2021) | ND<0.025 U (8/2/2018) | (0.057 - 0.025)/(32 - 23) | 0.00355556 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(33 - 23) | 0.0005 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(34 - 23) | 0.000454545 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(35 - 23) | 0.000416667 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(36 - 23) | 0.000384615 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(37 - 23) | 0.000357143 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(38 - 23) | -0.000733333 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(39 - 23) | 0.0003125 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(40 - 23) | -0.000647059 |
| 0.027 (1/10/2024) | ND<0.025 U (8/2/2018) | (0.027 - 0.025)/(41 - 23) | 0.000111111 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/2/2018) | (0.03 - 0.025)/(42 - 23) | 0.000263158 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/2/2018) | (0.014 - 0.025)/(43 - 23) | -0.00055 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/2/2018) | (0.0196 - 0.025)/(44 - 23) | -0.000257143 |
| 0.159 (2/18/2025) | ND<0.025 U (8/2/2018) | (0.159 - 0.025)/(45 - 23) | 0.00609091 |
| | | | |
| ND<0.025 U (4/15/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(25 - 24) | 0 |
| ND<0.025 U (6/12/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(26 - 24) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(27 - 24) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(28 - 24) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (12/10/2018) | (0.025 - 0.025)/(29 - 24) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(30 - 24) | 0.000833333 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(31 - 24) | 0.000714286 |

| | | | |
|---|---|---|---|
| 0.057 (9/2/2021) | ND<0.025 U (12/10/2018) | (0.057 - 0.025)/(32 - 24) | 0.004 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(33 - 24) | 0.000555556 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(34 - 24) | 0.0005 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(35 - 24) | 0.000454545 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(36 - 24) | 0.000416667 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(37 - 24) | 0.000384615 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(38 - 24) | -0.000785714 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(39 - 24) | 0.000333333 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(40 - 24) | -0.0006875 |
| 0.027 (1/10/2024) | ND<0.025 U (12/10/2018) | (0.027 - 0.025)/(41 - 24) | 0.000117647 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (12/10/2018) | (0.03 - 0.025)/(42 - 24) | 0.000277778 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (12/10/2018) | (0.014 - 0.025)/(43 - 24) | -0.000578947 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (12/10/2018) | (0.0196 - 0.025)/(44 - 24) | -0.00027 |
| 0.159 (2/18/2025) | ND<0.025 U (12/10/2018) | (0.159 - 0.025)/(45 - 24) | 0.00638095 |
| | | | |
| ND<0.025 U (6/12/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(26 - 25) | 0 |
| ND<0.025 U (8/27/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(27 - 25) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(28 - 25) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (4/15/2019) | (0.025 - 0.025)/(29 - 25) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(30 - 25) | 0.001 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(31 - 25) | 0.000833333 |
| 0.057 (9/2/2021) | ND<0.025 U (4/15/2019) | (0.057 - 0.025)/(32 - 25) | 0.00457143 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(33 - 25) | 0.000625 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(34 - 25) | 0.000555556 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(35 - 25) | 0.0005 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(36 - 25) | 0.000454545 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(37 - 25) | 0.000416667 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(38 - 25) | -0.000846154 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(39 - 25) | 0.000357143 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(40 - 25) | -0.000733333 |
| 0.027 (1/10/2024) | ND<0.025 U (4/15/2019) | (0.027 - 0.025)/(41 - 25) | 0.000125 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (4/15/2019) | (0.03 - 0.025)/(42 - 25) | 0.000294118 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (4/15/2019) | (0.014 - 0.025)/(43 - 25) | -0.000611111 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (4/15/2019) | (0.0196 - 0.025)/(44 - 25) | -0.000284211 |
| 0.159 (2/18/2025) | ND<0.025 U (4/15/2019) | (0.159 - 0.025)/(45 - 25) | 0.0067 |
| | | | |
| ND<0.025 U (8/27/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(27 - 26) | 0 |
| ND<0.025 U (10/29/2019) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(28 - 26) | 0 |
| ND<0.025 U (3/30/2020) | ND<0.025 U (6/12/2019) | (0.025 - 0.025)/(29 - 26) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(30 - 26) | 0.00125 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(31 - 26) | 0.001 |
| 0.057 (9/2/2021) | ND<0.025 U (6/12/2019) | (0.057 - 0.025)/(32 - 26) | 0.00533333 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(33 - 26) | 0.000714286 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(34 - 26) | 0.000625 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(35 - 26) | 0.000555556 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(36 - 26) | 0.0005 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(37 - 26) | 0.000454545 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(38 - 26) | -0.000916667 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(39 - 26) | 0.000384615 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(40 - 26) | -0.000785714 |
| 0.027 (1/10/2024) | ND<0.025 U (6/12/2019) | (0.027 - 0.025)/(41 - 26) | 0.000133333 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (6/12/2019) | (0.03 - 0.025)/(42 - 26) | 0.0003125 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (6/12/2019) | (0.014 - 0.025)/(43 - 26) | -0.000647059 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (6/12/2019) | (0.0196 - 0.025)/(44 - 26) | -0.0003 |
| 0.159 (2/18/2025) | ND<0.025 U (6/12/2019) | (0.159 - 0.025)/(45 - 26) | 0.00705263 |
| | | | |
| ND<0.025 U (10/29/2019) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(28 - 27) | 0 |

| | | | |
|---|---|---|---|
| ND<0.025 U (3/30/2020) | ND<0.025 U (8/27/2019) | (0.025 - 0.025)/(29 - 27) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(30 - 27) | 0.00166667 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(31 - 27) | 0.00125 |
| 0.057 (9/2/2021) | ND<0.025 U (8/27/2019) | (0.057 - 0.025)/(32 - 27) | 0.0064 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(33 - 27) | 0.000833333 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(34 - 27) | 0.000714286 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(35 - 27) | 0.000625 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(36 - 27) | 0.000555556 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(37 - 27) | 0.0005 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(38 - 27) | -0.001 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(39 - 27) | 0.000416667 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(40 - 27) | -0.000846154 |
| 0.027 (1/10/2024) | ND<0.025 U (8/27/2019) | (0.027 - 0.025)/(41 - 27) | 0.000142857 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (8/27/2019) | (0.03 - 0.025)/(42 - 27) | 0.000333333 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (8/27/2019) | (0.014 - 0.025)/(43 - 27) | -0.0006875 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (8/27/2019) | (0.0196 - 0.025)/(44 - 27) | -0.000317647 |
| 0.159 (2/18/2025) | ND<0.025 U (8/27/2019) | (0.159 - 0.025)/(45 - 27) | 0.00744444 |
| | | | |
| ND<0.025 U (3/30/2020) | ND<0.025 U (10/29/2019) | (0.025 - 0.025)/(29 - 28) | 0 |
| ND<0.03 U (6/16/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(30 - 28) | 0.0025 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(31 - 28) | 0.00166667 |
| 0.057 (9/2/2021) | ND<0.025 U (10/29/2019) | (0.057 - 0.025)/(32 - 28) | 0.008 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(33 - 28) | 0.001 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(34 - 28) | 0.000833333 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(35 - 28) | 0.000714286 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(36 - 28) | 0.000625 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(37 - 28) | 0.000555556 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(38 - 28) | -0.0011 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(39 - 28) | 0.000454545 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(40 - 28) | -0.000916667 |
| 0.027 (1/10/2024) | ND<0.025 U (10/29/2019) | (0.027 - 0.025)/(41 - 28) | 0.000153846 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (10/29/2019) | (0.03 - 0.025)/(42 - 28) | 0.000357143 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (10/29/2019) | (0.014 - 0.025)/(43 - 28) | -0.000733333 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (10/29/2019) | (0.0196 - 0.025)/(44 - 28) | -0.0003375 |
| 0.159 (2/18/2025) | ND<0.025 U (10/29/2019) | (0.159 - 0.025)/(45 - 28) | 0.00788235 |
| | | | |
| ND<0.03 U (6/16/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(30 - 29) | 0.005 |
| ND<0.03 U (9/21/2020) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(31 - 29) | 0.0025 |
| 0.057 (9/2/2021) | ND<0.025 U (3/30/2020) | (0.057 - 0.025)/(32 - 29) | 0.0106667 |
| ND<0.03 U (1/11/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(33 - 29) | 0.00125 |
| ND<0.03 U (4/7/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(34 - 29) | 0.001 |
| ND<0.03 U (8/2/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(35 - 29) | 0.000833333 |
| ND<0.03 U (11/16/2022) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(36 - 29) | 0.000714286 |
| ND<0.03 U (2/14/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(37 - 29) | 0.000625 |
| ND<0.014 U (5/25/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(38 - 29) | -0.00122222 |
| ND<0.03 U (8/7/2023) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(39 - 29) | 0.0005 |
| ND<0.014 U (12/12/2023) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(40 - 29) | -0.001 |
| 0.027 (1/10/2024) | ND<0.025 U (3/30/2020) | (0.027 - 0.025)/(41 - 29) | 0.000166667 |
| ND<0.03 U (5/21/2024) | ND<0.025 U (3/30/2020) | (0.03 - 0.025)/(42 - 29) | 0.000384615 |
| ND<0.014 U (9/16/2024) | ND<0.025 U (3/30/2020) | (0.014 - 0.025)/(43 - 29) | -0.000785714 |
| ND<0.0196 U (12/11/2024) | ND<0.025 U (3/30/2020) | (0.0196 - 0.025)/(44 - 29) | -0.00036 |
| 0.159 (2/18/2025) | ND<0.025 U (3/30/2020) | (0.159 - 0.025)/(45 - 29) | 0.008375 |
| | | | |
| ND<0.03 U (9/21/2020) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(31 - 30) | 0 |
| 0.057 (9/2/2021) | ND<0.03 U (6/16/2020) | (0.057 - 0.03)/(32 - 30) | 0.0135 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(33 - 30) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(34 - 30) | 0 |

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|---|---|---|---|
| ND<0.03 U (8/2/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(35 - 30) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(36 - 30) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(37 - 30) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(38 - 30) | -0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(39 - 30) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(40 - 30) | -0.0016 |
| 0.027 (1/10/2024) | ND<0.03 U (6/16/2020) | (0.027 - 0.03)/(41 - 30) | -0.000272727 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (6/16/2020) | (0.03 - 0.03)/(42 - 30) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (6/16/2020) | (0.014 - 0.03)/(43 - 30) | -0.00123077 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (6/16/2020) | (0.0196 - 0.03)/(44 - 30) | -0.000742857 |
| 0.159 (2/18/2025) | ND<0.03 U (6/16/2020) | (0.159 - 0.03)/(45 - 30) | 0.0086 |
| | | | |
| 0.057 (9/2/2021) | ND<0.03 U (9/21/2020) | (0.057 - 0.03)/(32 - 31) | 0.027 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(33 - 31) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(34 - 31) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(35 - 31) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(36 - 31) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(37 - 31) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(38 - 31) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(39 - 31) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(40 - 31) | -0.00177778 |
| 0.027 (1/10/2024) | ND<0.03 U (9/21/2020) | (0.027 - 0.03)/(41 - 31) | -0.0003 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/21/2020) | (0.03 - 0.03)/(42 - 31) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/21/2020) | (0.014 - 0.03)/(43 - 31) | -0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/21/2020) | (0.0196 - 0.03)/(44 - 31) | -0.0008 |
| 0.159 (2/18/2025) | ND<0.03 U (9/21/2020) | (0.159 - 0.03)/(45 - 31) | 0.00921429 |
| | | | |
| ND<0.03 U (1/11/2022) | 0.057 (9/2/2021) | (0.03 - 0.057)/(33 - 32) | -0.027 |
| ND<0.03 U (4/7/2022) | 0.057 (9/2/2021) | (0.03 - 0.057)/(34 - 32) | -0.0135 |
| ND<0.03 U (8/2/2022) | 0.057 (9/2/2021) | (0.03 - 0.057)/(35 - 32) | -0.009 |
| ND<0.03 U (11/16/2022) | 0.057 (9/2/2021) | (0.03 - 0.057)/(36 - 32) | -0.00675 |
| ND<0.03 U (2/14/2023) | 0.057 (9/2/2021) | (0.03 - 0.057)/(37 - 32) | -0.0054 |
| ND<0.014 U (5/25/2023) | 0.057 (9/2/2021) | (0.014 - 0.057)/(38 - 32) | -0.00716667 |
| ND<0.03 U (8/7/2023) | 0.057 (9/2/2021) | (0.03 - 0.057)/(39 - 32) | -0.00385714 |
| ND<0.014 U (12/12/2023) | 0.057 (9/2/2021) | (0.014 - 0.057)/(40 - 32) | -0.005375 |
| 0.027 (1/10/2024) | 0.057 (9/2/2021) | (0.027 - 0.057)/(41 - 32) | -0.00333333 |
| ND<0.03 U (5/21/2024) | 0.057 (9/2/2021) | (0.03 - 0.057)/(42 - 32) | -0.0027 |
| ND<0.014 U (9/16/2024) | 0.057 (9/2/2021) | (0.014 - 0.057)/(43 - 32) | -0.00390909 |
| ND<0.0196 U (12/11/2024) | 0.057 (9/2/2021) | (0.0196 - 0.057)/(44 - 32) | -0.00311667 |
| 0.159 (2/18/2025) | 0.057 (9/2/2021) | (0.159 - 0.057)/(45 - 32) | 0.00784615 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(34 - 33) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(35 - 33) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(36 - 33) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(37 - 33) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(38 - 33) | -0.0032 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(39 - 33) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(40 - 33) | -0.00228571 |
| 0.027 (1/10/2024) | ND<0.03 U (1/11/2022) | (0.027 - 0.03)/(41 - 33) | -0.000375 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(42 - 33) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(43 - 33) | -0.0016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (1/11/2022) | (0.0196 - 0.03)/(44 - 33) | -0.000945455 |
| 0.159 (2/18/2025) | ND<0.03 U (1/11/2022) | (0.159 - 0.03)/(45 - 33) | 0.01075 |
| | | | |
| ND<0.03 U (8/2/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(35 - 34) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(36 - 34) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(37 - 34) | 0 |

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|---|---|---|---|
| ND<0.014 U (5/25/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(38 - 34) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(39 - 34) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(40 - 34) | -0.00266667 |
| 0.027 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.027 - 0.03)/(41 - 34) | -0.000428571 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(42 - 34) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(43 - 34) | -0.00177778 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(44 - 34) | -0.00104 |
| 0.159 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.159 - 0.03)/(45 - 34) | 0.0117273 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(36 - 35) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(37 - 35) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(38 - 35) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(39 - 35) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(40 - 35) | -0.0032 |
| 0.027 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.027 - 0.03)/(41 - 35) | -0.0005 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(42 - 35) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(43 - 35) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/2/2022) | (0.0196 - 0.03)/(44 - 35) | -0.00115556 |
| 0.159 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.159 - 0.03)/(45 - 35) | 0.0129 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(37 - 36) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(38 - 36) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(39 - 36) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(40 - 36) | -0.004 |
| 0.027 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.027 - 0.03)/(41 - 36) | -0.0006 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(42 - 36) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(43 - 36) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(44 - 36) | -0.0013 |
| 0.159 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.159 - 0.03)/(45 - 36) | 0.0143333 |
| | | | |
| ND<0.014 U (5/25/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(38 - 37) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(39 - 37) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(40 - 37) | -0.00533333 |
| 0.027 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.027 - 0.03)/(41 - 37) | -0.00075 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(42 - 37) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(43 - 37) | -0.00266667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/14/2023) | (0.0196 - 0.03)/(44 - 37) | -0.00148571 |
| 0.159 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.159 - 0.03)/(45 - 37) | 0.016125 |
| | | | |
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(39 - 38) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(40 - 38) | 0 |
| 0.027 (1/10/2024) | ND<0.014 U (5/25/2023) | (0.027 - 0.014)/(41 - 38) | 0.00433333 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(42 - 38) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(43 - 38) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/25/2023) | (0.0196 - 0.014)/(44 - 38) | 0.000933333 |
| 0.159 (2/18/2025) | ND<0.014 U (5/25/2023) | (0.159 - 0.014)/(45 - 38) | 0.0207143 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(40 - 39) | -0.016 |
| 0.027 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.027 - 0.03)/(41 - 39) | -0.0015 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(42 - 39) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(43 - 39) | -0.004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(44 - 39) | -0.00208 |
| 0.159 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.159 - 0.03)/(45 - 39) | 0.0215 |
| | | | |
| 0.027 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.027 - 0.014)/(41 - 40) | 0.013 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(42 - 40) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(43 - 40) | 0 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(44 - 40) | 0.0014 |
| 0.159 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.159 - 0.014)/(45 - 40) | 0.029 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.027 (1/10/2024) | (0.03 - 0.027)/(42 - 41) | 0.003 |
| ND<0.014 U (9/16/2024) | 0.027 (1/10/2024) | (0.014 - 0.027)/(43 - 41) | -0.0065 |
| ND<0.0196 U (12/11/2024) | 0.027 (1/10/2024) | (0.0196 - 0.027)/(44 - 41) | -0.00246667 |
| 0.159 (2/18/2025) | 0.027 (1/10/2024) | (0.159 - 0.027)/(45 - 41) | 0.033 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(43 - 42) | -0.016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/21/2024) | (0.0196 - 0.03)/(44 - 42) | -0.0052 |
| 0.159 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.159 - 0.03)/(45 - 42) | 0.043 |
| | | | |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(44 - 43) | 0.0056 |
| 0.159 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.159 - 0.014)/(45 - 43) | 0.0725 |
| | | | |
| 0.159 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.159 - 0.0196)/(45 - 44) | 0.1394 |

Number of Q values = 990

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.061 |
| 2 | -0.037 |
| 3 | -0.028 |
| 4 | -0.027 |
| 5 | -0.0225 |
| 6 | -0.022 |
| 7 | -0.0203333 |
| 8 | -0.0195 |
| 9 | -0.0185 |
| 10 | -0.017 |
| 11 | -0.016 |
| 12 | -0.016 |
| 13 | -0.016 |
| 14 | -0.015 |
| 15 | -0.014 |
| 16 | -0.0135 |
| 17 | -0.01275 |
| 18 | -0.0123333 |
| 19 | -0.012 |
| 20 | -0.01125 |
| 21 | -0.0101667 |
| 22 | -0.01 |
| 23 | -0.00933333 |
| 24 | -0.009 |
| 25 | -0.009 |
| 26 | -0.009 |
| 27 | -0.00871429 |
| 28 | -0.008 |
| 29 | -0.0075 |
| 30 | -0.00716667 |
| 31 | -0.007 |
| 32 | -0.007 |
| 33 | -0.007 |
| 34 | -0.00677778 |
| 35 | -0.00675 |

| | |
|---|---|
| 36 | -0.00675 |
| 37 | -0.0065 |
| 38 | -0.00642857 |
| 39 | -0.006 |
| 40 | -0.00575 |
| 41 | -0.005625 |
| 42 | -0.0056 |
| 43 | -0.00554545 |
| 44 | -0.0055 |
| 45 | -0.0054 |
| 46 | -0.005375 |
| 47 | -0.00533333 |
| 48 | -0.00533333 |
| 49 | -0.00528571 |
| 50 | -0.0052 |
| 51 | -0.00508333 |
| 52 | -0.005 |
| 53 | -0.005 |
| 54 | -0.00469231 |
| 55 | -0.00466667 |
| 56 | -0.00466667 |
| 57 | -0.004625 |
| 58 | -0.0045 |
| 59 | -0.0045 |
| 60 | -0.0044 |
| 61 | -0.00411111 |
| 62 | -0.004 |
| 63 | -0.004 |
| 64 | -0.004 |
| 65 | -0.004 |
| 66 | -0.00390909 |
| 67 | -0.00385714 |
| 68 | -0.0037 |
| 69 | -0.00363636 |
| 70 | -0.00358824 |
| 71 | -0.0035 |
| 72 | -0.0035 |
| 73 | -0.00338889 |
| 74 | -0.00336364 |
| 75 | -0.00335714 |
| 76 | -0.00333333 |
| 77 | -0.00333333 |
| 78 | -0.00333333 |
| 79 | -0.00325 |
| 80 | -0.00321053 |
| 81 | -0.0032 |
| 82 | -0.0032 |
| 83 | -0.00314286 |
| 84 | -0.00311667 |
| 85 | -0.00311111 |
| 86 | -0.00308333 |
| 87 | -0.00305 |
| 88 | -0.00294737 |
| 89 | -0.00290476 |
| 90 | -0.00285714 |
| 91 | -0.00284615 |
| 92 | -0.0028 |

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| 93 | -0.00277273 |
| 94 | -0.0027 |
| 95 | -0.00266667 |
| 96 | -0.00266667 |
| 97 | -0.00266667 |
| 98 | -0.00266667 |
| 99 | -0.00265217 |
| 100 | -0.00264286 |
| 101 | -0.00254167 |
| 102 | -0.0025 |
| 103 | -0.0025 |
| 104 | -0.00246667 |
| 105 | -0.00246667 |
| 106 | -0.00244444 |
| 107 | -0.00244 |
| 108 | -0.0024 |
| 109 | -0.00235294 |
| 110 | -0.00233333 |
| 111 | -0.00233333 |
| 112 | -0.00233333 |
| 113 | -0.0023 |
| 114 | -0.00228571 |
| 115 | -0.00228571 |
| 116 | -0.00228571 |
| 117 | -0.00222222 |
| 118 | -0.0022 |
| 119 | -0.00216667 |
| 120 | -0.00216667 |
| 121 | -0.00215385 |
| 122 | -0.00211765 |
| 123 | -0.00209091 |
| 124 | -0.00208 |
| 125 | -0.00207407 |
| 126 | -0.0020625 |
| 127 | -0.002016 |
| 128 | -0.002 |
| 129 | -0.002 |
| 130 | -0.002 |
| 131 | -0.002 |
| 132 | -0.002 |
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| 134 | -0.002 |
| 135 | -0.002 |
| 136 | -0.002 |
| 137 | -0.002 |
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| 139 | -0.00195 |
| 140 | -0.00193103 |
| 141 | -0.00188235 |
| 142 | -0.00186667 |
| 143 | -0.00184615 |
| 144 | -0.00184615 |
| 145 | -0.00180645 |
| 146 | -0.00177778 |
| 147 | -0.00177778 |
| 148 | -0.00176923 |
| 149 | -0.00175 |

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| 150 | -0.00175 |
| 151 | -0.00175 |
| 152 | -0.00173913 |
| 153 | -0.00169697 |
| 154 | -0.00169565 |
| 155 | -0.00168421 |
| 156 | -0.00166 |
| 157 | -0.00165517 |
| 158 | -0.00164286 |
| 159 | -0.0016 |
| 160 | -0.0016 |
| 161 | -0.0016 |
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| 163 | -0.00159459 |
| 164 | -0.00155556 |
| 165 | -0.00153333 |
| 166 | -0.00152381 |
| 167 | -0.0015 |
| 168 | -0.0015 |
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| 172 | -0.00146667 |
| 173 | -0.00145455 |
| 174 | -0.00144444 |
| 175 | -0.0014375 |
| 176 | -0.00142857 |
| 177 | -0.00141333 |
| 178 | -0.0014 |
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| 180 | -0.00139167 |
| 181 | -0.0013913 |
| 182 | -0.001375 |
| 183 | -0.00135294 |
| 184 | -0.00133333 |
| 185 | -0.0013 |
| 186 | -0.0013 |
| 187 | -0.0012963 |
| 188 | -0.00129412 |
| 189 | -0.00128 |
| 190 | -0.00127273 |
| 191 | -0.00125 |
| 192 | -0.00125 |
| 193 | -0.0012381 |
| 194 | -0.00123077 |
| 195 | -0.00122222 |
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| 197 | -0.00121053 |
| 198 | -0.00115789 |
| 199 | -0.00115556 |
| 200 | -0.00114286 |
| 201 | -0.00113636 |
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| 203 | -0.0011 |
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| 440 | -9.09091e-05 |
| 441 | -8.69565e-05 |
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| 446 | -7.40741e-05 |
| 447 | -7.14286e-05 |
| 448 | -6.66667e-05 |
| 449 | -6.66667e-05 |
| 450 | -6.25e-05 |
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| 634 | 2.94118e-05 |
| 635 | 3.0303e-05 |
| 636 | 3.125e-05 |
| 637 | 3.125e-05 |
| 638 | 3.22581e-05 |
| 639 | 3.33333e-05 |
| 640 | 3.57143e-05 |
| 641 | 3.7037e-05 |
| 642 | 5e-05 |
| 643 | 5.40541e-05 |
| 644 | 5.55556e-05 |
| 645 | 5.71429e-05 |
| 646 | 5.88235e-05 |
| 647 | 5.88235e-05 |
| 648 | 5.88235e-05 |
| 649 | 6.06061e-05 |
| 650 | 6.25e-05 |
| 651 | 6.45161e-05 |
| 652 | 6.45161e-05 |
| 653 | 6.66667e-05 |
| 654 | 6.89655e-05 |
| 655 | 7.14286e-05 |
| 656 | 7.14286e-05 |
| 657 | 7.69231e-05 |
| 658 | 8e-05 |
| 659 | 8.33333e-05 |
| 660 | 0.0001 |
| 661 | 0.000105263 |
| 662 | 0.000111111 |

| | |
|---|---|
| 663 | 0.000117647 |
| 664 | 0.000121212 |
| 665 | 0.000125 |
| 666 | 0.000133333 |
| 667 | 0.000133333 |
| 668 | 0.000135135 |
| 669 | 0.000142857 |
| 670 | 0.000142857 |
| 671 | 0.000142857 |
| 672 | 0.000147059 |
| 673 | 0.000148148 |
| 674 | 0.000153846 |
| 675 | 0.000153846 |
| 676 | 0.00015625 |
| 677 | 0.00015625 |
| 678 | 0.00015625 |
| 679 | 0.00016 |
| 680 | 0.00016129 |
| 681 | 0.00016129 |
| 682 | 0.000166667 |
| 683 | 0.000166667 |
| 684 | 0.000166667 |
| 685 | 0.000166667 |
| 686 | 0.000172414 |
| 687 | 0.000172414 |
| 688 | 0.000172414 |
| 689 | 0.000172414 |
| 690 | 0.000178571 |
| 691 | 0.000178571 |
| 692 | 0.000178571 |
| 693 | 0.000181818 |
| 694 | 0.000185185 |
| 695 | 0.000185185 |
| 696 | 0.000185185 |
| 697 | 0.000190476 |
| 698 | 0.000192308 |
| 699 | 0.000192308 |
| 700 | 0.000192308 |
| 701 | 0.000192308 |
| 702 | 0.000192308 |
| 703 | 0.000192308 |
| 704 | 0.0002 |
| 705 | 0.0002 |
| 706 | 0.0002 |
| 707 | 0.0002 |
| 708 | 0.000208333 |
| 709 | 0.000208333 |
| 710 | 0.000208333 |
| 711 | 0.000208333 |
| 712 | 0.000208333 |
| 713 | 0.000217391 |
| 714 | 0.000217391 |
| 715 | 0.000217391 |
| 716 | 0.000217391 |
| 717 | 0.000217391 |
| 718 | 0.000227273 |
| 719 | 0.000227273 |

| | |
|---|---|
| 720 | 0.000227273 |
| 721 | 0.000227273 |
| 722 | 0.000238095 |
| 723 | 0.000238095 |
| 724 | 0.000238095 |
| 725 | 0.000238095 |
| 726 | 0.000238095 |
| 727 | 0.00025 |
| 728 | 0.00025 |
| 729 | 0.00025 |
| 730 | 0.00025 |
| 731 | 0.00025 |
| 732 | 0.00025 |
| 733 | 0.00025 |
| 734 | 0.00025 |
| 735 | 0.000263158 |
| 736 | 0.000263158 |
| 737 | 0.000263158 |
| 738 | 0.000263158 |
| 739 | 0.000263158 |
| 740 | 0.000277778 |
| 741 | 0.000277778 |
| 742 | 0.000277778 |
| 743 | 0.000277778 |
| 744 | 0.000277778 |
| 745 | 0.000277778 |
| 746 | 0.000294118 |
| 747 | 0.000294118 |
| 748 | 0.000294118 |
| 749 | 0.000294118 |
| 750 | 0.000294118 |
| 751 | 0.0003125 |
| 752 | 0.0003125 |
| 753 | 0.0003125 |
| 754 | 0.0003125 |
| 755 | 0.0003125 |
| 756 | 0.000333333 |
| 757 | 0.000333333 |
| 758 | 0.000333333 |
| 759 | 0.000333333 |
| 760 | 0.000333333 |
| 761 | 0.000333333 |
| 762 | 0.000333333 |
| 763 | 0.000333333 |
| 764 | 0.000357143 |
| 765 | 0.000357143 |
| 766 | 0.000357143 |
| 767 | 0.000357143 |
| 768 | 0.000357143 |
| 769 | 0.000357143 |
| 770 | 0.000357143 |
| 771 | 0.000384615 |
| 772 | 0.000384615 |
| 773 | 0.000384615 |
| 774 | 0.000384615 |
| 775 | 0.000384615 |
| 776 | 0.000384615 |

| | |
|---|---|
| 777 | 0.000384615 |
| 778 | 0.000384615 |
| 779 | 0.0004 |
| 780 | 0.0004 |
| 781 | 0.000416667 |
| 782 | 0.000416667 |
| 783 | 0.000416667 |
| 784 | 0.000416667 |
| 785 | 0.000416667 |
| 786 | 0.000416667 |
| 787 | 0.000428571 |
| 788 | 0.000454545 |
| 789 | 0.000454545 |
| 790 | 0.000454545 |
| 791 | 0.000454545 |
| 792 | 0.000454545 |
| 793 | 0.000454545 |
| 794 | 0.0005 |
| 795 | 0.0005 |
| 796 | 0.0005 |
| 797 | 0.0005 |
| 798 | 0.0005 |
| 799 | 0.0005 |
| 800 | 0.0005 |
| 801 | 0.0005 |
| 802 | 0.000555556 |
| 803 | 0.000555556 |
| 804 | 0.000555556 |
| 805 | 0.000555556 |
| 806 | 0.000555556 |
| 807 | 0.000555556 |
| 808 | 0.000555556 |
| 809 | 0.000612903 |
| 810 | 0.000625 |
| 811 | 0.000625 |
| 812 | 0.000625 |
| 813 | 0.000625 |
| 814 | 0.000625 |
| 815 | 0.000625 |
| 816 | 0.000625 |
| 817 | 0.000666667 |
| 818 | 0.0006875 |
| 819 | 0.000714286 |
| 820 | 0.000714286 |
| 821 | 0.000714286 |
| 822 | 0.000714286 |
| 823 | 0.000714286 |
| 824 | 0.000714286 |
| 825 | 0.000789474 |
| 826 | 0.000833333 |
| 827 | 0.000833333 |
| 828 | 0.000833333 |
| 829 | 0.000833333 |
| 830 | 0.000833333 |
| 831 | 0.000916667 |
| 832 | 0.000933333 |
| 833 | 0.000965517 |

| | |
|---|---|
| 834 | 0.000966667 |
| 835 | 0.001 |
| 836 | 0.001 |
| 837 | 0.001 |
| 838 | 0.001 |
| 839 | 0.001 |
| 840 | 0.001 |
| 841 | 0.00107692 |
| 842 | 0.00116667 |
| 843 | 0.00116667 |
| 844 | 0.00118519 |
| 845 | 0.0012 |
| 846 | 0.00125 |
| 847 | 0.00125 |
| 848 | 0.00125 |
| 849 | 0.00125 |
| 850 | 0.00127273 |
| 851 | 0.00128 |
| 852 | 0.00128571 |
| 853 | 0.00134783 |
| 854 | 0.00138889 |
| 855 | 0.0014 |
| 856 | 0.0014 |
| 857 | 0.00141176 |
| 858 | 0.00144444 |
| 859 | 0.00145455 |
| 860 | 0.0015 |
| 861 | 0.00152381 |
| 862 | 0.0016 |
| 863 | 0.00166667 |
| 864 | 0.00166667 |
| 865 | 0.00168421 |
| 866 | 0.00175 |
| 867 | 0.00176923 |
| 868 | 0.00177778 |
| 869 | 0.00178049 |
| 870 | 0.0018 |
| 871 | 0.00184615 |
| 872 | 0.00186667 |
| 873 | 0.001875 |
| 874 | 0.00188235 |
| 875 | 0.002 |
| 876 | 0.002 |
| 877 | 0.002 |
| 878 | 0.00213333 |
| 879 | 0.00215385 |
| 880 | 0.00245455 |
| 881 | 0.00247059 |
| 882 | 0.0025 |
| 883 | 0.0025 |
| 884 | 0.0025625 |
| 885 | 0.002625 |
| 886 | 0.00275 |
| 887 | 0.0028 |
| 888 | 0.0028 |
| 889 | 0.00283333 |
| 890 | 0.00287179 |

| | |
|---|---|
| 891 | 0.00290909 |
| 892 | 0.003 |
| 893 | 0.003 |
| 894 | 0.00304651 |
| 895 | 0.00309524 |
| 896 | 0.00311111 |
| 897 | 0.00312903 |
| 898 | 0.00318182 |
| 899 | 0.0032 |
| 900 | 0.00321429 |
| 901 | 0.00333333 |
| 902 | 0.00335 |
| 903 | 0.00335135 |
| 904 | 0.00342308 |
| 905 | 0.0035 |
| 906 | 0.00352632 |
| 907 | 0.00355556 |
| 908 | 0.00369444 |
| 909 | 0.00375 |
| 910 | 0.00382857 |
| 911 | 0.00384848 |
| 912 | 0.00394118 |
| 913 | 0.004 |
| 914 | 0.004 |
| 915 | 0.004 |
| 916 | 0.00411111 |
| 917 | 0.0041875 |
| 918 | 0.00424 |
| 919 | 0.00433333 |
| 920 | 0.0044 |
| 921 | 0.00444444 |
| 922 | 0.00446667 |
| 923 | 0.0045 |
| 924 | 0.00457143 |
| 925 | 0.00462069 |
| 926 | 0.00466667 |
| 927 | 0.00475 |
| 928 | 0.00478571 |
| 929 | 0.005 |
| 930 | 0.005 |
| 931 | 0.00528571 |
| 932 | 0.00533333 |
| 933 | 0.00542857 |
| 934 | 0.00558333 |
| 935 | 0.0056 |
| 936 | 0.0056 |
| 937 | 0.005625 |
| 938 | 0.00582609 |
| 939 | 0.006 |
| 940 | 0.00609091 |
| 941 | 0.00638095 |
| 942 | 0.0064 |
| 943 | 0.0067 |
| 944 | 0.007 |
| 945 | 0.007 |
| 946 | 0.007 |
| 947 | 0.007 |

| | |
|---|---|
| 948 | 0.00705263 |
| 949 | 0.0072 |
| 950 | 0.00744444 |
| 951 | 0.0075 |
| 952 | 0.00784615 |
| 953 | 0.00788235 |
| 954 | 0.008 |
| 955 | 0.008 |
| 956 | 0.008375 |
| 957 | 0.0086 |
| 958 | 0.00921429 |
| 959 | 0.00925 |
| 960 | 0.00933333 |
| 961 | 0.01 |
| 962 | 0.0106667 |
| 963 | 0.01075 |
| 964 | 0.01125 |
| 965 | 0.0117273 |
| 966 | 0.0123333 |
| 967 | 0.0129 |
| 968 | 0.013 |
| 969 | 0.0135 |
| 970 | 0.014 |
| 971 | 0.0143333 |
| 972 | 0.015 |
| 973 | 0.015 |
| 974 | 0.016 |
| 975 | 0.016 |
| 976 | 0.016125 |
| 977 | 0.0207143 |
| 978 | 0.0215 |
| 979 | 0.022 |
| 980 | 0.0225 |
| 981 | 0.027 |
| 982 | 0.029 |
| 983 | 0.029 |
| 984 | 0.031 |
| 985 | 0.033 |
| 986 | 0.037 |
| 987 | 0.043 |
| 988 | 0.057 |
| 989 | 0.0725 |
| 990 | 0.1394 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.025 | 17 |
| 2 | 0.03 | 9 |
| 3 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 3/13/2013 | 1 |
| 5/20/2013 | 1 |
| 9/23/2013 | 1 |
| 12/10/2013 | 1 |
| 2/6/2014 | 1 |
| 6/26/2014 | 1 |

| | |
|---|---|
| 9/30/2014 | 1 |
| 11/19/2014 | 1 |
| 3/23/2015 | 1 |
| 4/22/2015 | 1 |
| 9/30/2015 | 1 |
| 11/19/2015 | 1 |
| 3/15/2016 | 1 |
| 6/29/2016 | 1 |
| 8/9/2016 | 1 |
| 12/7/2016 | 1 |
| 3/2/2017 | 1 |
| 7/5/2017 | 1 |
| 8/16/2017 | 1 |
| 10/25/2017 | 1 |
| 3/28/2018 | 1 |
| 6/29/2018 | 1 |
| 8/2/2018 | 1 |
| 12/10/2018 | 1 |
| 4/15/2019 | 1 |
| 6/12/2019 | 1 |
| 8/27/2019 | 1 |
| 10/29/2019 | 1 |
| 3/30/2020 | 1 |
| 6/16/2020 | 1 |
| 9/21/2020 | 1 |
| 9/2/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 12330
B = 0
C = 4590
D = 0
E = 350
F = 0
a = 188100
b = 766260
c = 3960
Group Variance = 9765
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 162.541
M1 = (990 - 162.541)/2.0 = 413.729
M2 = (990 + 162.541)/2.0 + 1 = 577.271
Lower limit is -0.000172414 = Q(414)
Upper limit is 0 = Q(577)

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 4
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(2 - 1) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(3 - 1) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(4 - 1) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(5 - 1) | 0 |
| 0.06 (4/7/2022) | ND<0.03 U (12/17/2020) | (0.06 - 0.03)/(6 - 1) | 0.006 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(7 - 1) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(8 - 1) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(9 - 1) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(10 - 1) | -0.00177778 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(11 - 1) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(12 - 1) | -0.00145455 |
| 0.02 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.02 - 0.03)/(13 - 1) | -0.000833333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(14 - 1) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(15 - 1) | -0.00114286 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(16 - 1) | -0.000693333 |
| 0.033 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.033 - 0.03)/(17 - 1) | 0.0001875 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(3 - 2) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(4 - 2) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(5 - 2) | 0 |
| 0.06 (4/7/2022) | ND<0.03 U (3/18/2021) | (0.06 - 0.03)/(6 - 2) | 0.0075 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(7 - 2) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(8 - 2) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(9 - 2) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(10 - 2) | -0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(11 - 2) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(12 - 2) | -0.0016 |
| 0.02 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.02 - 0.03)/(13 - 2) | -0.000909091 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(14 - 2) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(15 - 2) | -0.00123077 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(16 - 2) | -0.000742857 |
| 0.033 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.033 - 0.03)/(17 - 2) | 0.0002 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(4 - 3) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(5 - 3) | 0 |
| 0.06 (4/7/2022) | ND<0.03 U (5/5/2021) | (0.06 - 0.03)/(6 - 3) | 0.01 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(7 - 3) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(8 - 3) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(9 - 3) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(10 - 3) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(11 - 3) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(12 - 3) | -0.00177778 |
| 0.02 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.02 - 0.03)/(13 - 3) | -0.001 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(14 - 3) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(15 - 3) | -0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(16 - 3) | -0.0008 |
| 0.033 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.033 - 0.03)/(17 - 3) | 0.000214286 |

| | | | |
|---|---|---|---|
| ND<0.03 U (1/11/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(5 - 4) | 0 |
| 0.06 (4/7/2022) | ND<0.03 U (11/23/2021) | (0.06 - 0.03)/(6 - 4) | 0.015 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(7 - 4) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(8 - 4) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(9 - 4) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(10 - 4) | -0.00266667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(11 - 4) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(12 - 4) | -0.002 |
| 0.02 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.02 - 0.03)/(13 - 4) | -0.00111111 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(14 - 4) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(15 - 4) | -0.00145455 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(16 - 4) | -0.000866667 |
| 0.033 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.033 - 0.03)/(17 - 4) | 0.000230769 |
| | | | |
| 0.06 (4/7/2022) | ND<0.03 U (1/11/2022) | (0.06 - 0.03)/(6 - 5) | 0.03 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(7 - 5) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(8 - 5) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(9 - 5) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(10 - 5) | -0.0032 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(11 - 5) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(12 - 5) | -0.00228571 |
| 0.02 (1/10/2024) | ND<0.03 U (1/11/2022) | (0.02 - 0.03)/(13 - 5) | -0.00125 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(14 - 5) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(15 - 5) | -0.0016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (1/11/2022) | (0.0196 - 0.03)/(16 - 5) | -0.000945455 |
| 0.033 (2/18/2025) | ND<0.03 U (1/11/2022) | (0.033 - 0.03)/(17 - 5) | 0.00025 |
| | | | |
| ND<0.03 U (8/2/2022) | 0.06 (4/7/2022) | (0.03 - 0.06)/(7 - 6) | -0.03 |
| ND<0.03 U (11/16/2022) | 0.06 (4/7/2022) | (0.03 - 0.06)/(8 - 6) | -0.015 |
| ND<0.03 U (2/14/2023) | 0.06 (4/7/2022) | (0.03 - 0.06)/(9 - 6) | -0.01 |
| ND<0.014 U (5/25/2023) | 0.06 (4/7/2022) | (0.014 - 0.06)/(10 - 6) | -0.0115 |
| ND<0.03 U (8/7/2023) | 0.06 (4/7/2022) | (0.03 - 0.06)/(11 - 6) | -0.006 |
| ND<0.014 U (12/12/2023) | 0.06 (4/7/2022) | (0.014 - 0.06)/(12 - 6) | -0.00766667 |
| 0.02 (1/10/2024) | 0.06 (4/7/2022) | (0.02 - 0.06)/(13 - 6) | -0.00571429 |
| ND<0.03 U (5/21/2024) | 0.06 (4/7/2022) | (0.03 - 0.06)/(14 - 6) | -0.00375 |
| ND<0.014 U (9/16/2024) | 0.06 (4/7/2022) | (0.014 - 0.06)/(15 - 6) | -0.00511111 |
| ND<0.0196 U (12/11/2024) | 0.06 (4/7/2022) | (0.0196 - 0.06)/(16 - 6) | -0.00404 |
| 0.033 (2/18/2025) | 0.06 (4/7/2022) | (0.033 - 0.06)/(17 - 6) | -0.00245455 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(8 - 7) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(9 - 7) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(10 - 7) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(11 - 7) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(12 - 7) | -0.0032 |
| 0.02 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.02 - 0.03)/(13 - 7) | -0.00166667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(14 - 7) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(15 - 7) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/2/2022) | (0.0196 - 0.03)/(16 - 7) | -0.00115556 |
| 0.033 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.033 - 0.03)/(17 - 7) | 0.0003 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(9 - 8) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(10 - 8) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(11 - 8) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(12 - 8) | -0.004 |
| 0.02 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.02 - 0.03)/(13 - 8) | -0.002 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(14 - 8) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(15 - 8) | -0.00228571 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(16 - 8) | -0.0013 |
| 0.033 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.033 - 0.03)/(17 - 8) | 0.000333333 |
| | | | |
| ND<0.014 U (5/25/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(10 - 9) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(11 - 9) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(12 - 9) | -0.00533333 |
| 0.02 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.02 - 0.03)/(13 - 9) | -0.0025 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(14 - 9) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(15 - 9) | -0.00266667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/14/2023) | (0.0196 - 0.03)/(16 - 9) | -0.00148571 |
| 0.033 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.033 - 0.03)/(17 - 9) | 0.000375 |
| | | | |
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(11 - 10) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(12 - 10) | 0 |
| 0.02 (1/10/2024) | ND<0.014 U (5/25/2023) | (0.02 - 0.014)/(13 - 10) | 0.002 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(14 - 10) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(15 - 10) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/25/2023) | (0.0196 - 0.014)/(16 - 10) | 0.000933333 |
| 0.033 (2/18/2025) | ND<0.014 U (5/25/2023) | (0.033 - 0.014)/(17 - 10) | 0.00271429 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(12 - 11) | -0.016 |
| 0.02 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.02 - 0.03)/(13 - 11) | -0.005 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(14 - 11) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(15 - 11) | -0.004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(16 - 11) | -0.00208 |
| 0.033 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.033 - 0.03)/(17 - 11) | 0.0005 |
| | | | |
| 0.02 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.02 - 0.014)/(13 - 12) | 0.006 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(14 - 12) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(15 - 12) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(16 - 12) | 0.0014 |
| 0.033 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.033 - 0.014)/(17 - 12) | 0.0038 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.02 (1/10/2024) | (0.03 - 0.02)/(14 - 13) | 0.01 |
| ND<0.014 U (9/16/2024) | 0.02 (1/10/2024) | (0.014 - 0.02)/(15 - 13) | -0.003 |
| ND<0.0196 U (12/11/2024) | 0.02 (1/10/2024) | (0.0196 - 0.02)/(16 - 13) | -0.000133333 |
| 0.033 (2/18/2025) | 0.02 (1/10/2024) | (0.033 - 0.02)/(17 - 13) | 0.00325 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(15 - 14) | -0.016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/21/2024) | (0.0196 - 0.03)/(16 - 14) | -0.0052 |
| 0.033 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.033 - 0.03)/(17 - 14) | 0.001 |
| | | | |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(16 - 15) | 0.0056 |
| 0.033 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.033 - 0.014)/(17 - 15) | 0.0095 |
| | | | |
| 0.033 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.033 - 0.0196)/(17 - 16) | 0.0134 |

Number of Q values = 136

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.03 |
| 2 | -0.016 |
| 3 | -0.016 |
| 4 | -0.016 |
| 5 | -0.015 |

| | |
|---|---|
| 6 | -0.0115 |
| 7 | -0.01 |
| 8 | -0.008 |
| 9 | -0.00766667 |
| 10 | -0.006 |
| 11 | -0.00571429 |
| 12 | -0.00533333 |
| 13 | -0.00533333 |
| 14 | -0.0052 |
| 15 | -0.00511111 |
| 16 | -0.005 |
| 17 | -0.00404 |
| 18 | -0.004 |
| 19 | -0.004 |
| 20 | -0.00375 |
| 21 | -0.0032 |
| 22 | -0.0032 |
| 23 | -0.003 |
| 24 | -0.00266667 |
| 25 | -0.00266667 |
| 26 | -0.0025 |
| 27 | -0.00245455 |
| 28 | -0.00228571 |
| 29 | -0.00228571 |
| 30 | -0.00228571 |
| 31 | -0.00208 |
| 32 | -0.002 |
| 33 | -0.002 |
| 34 | -0.002 |
| 35 | -0.002 |
| 36 | -0.00177778 |
| 37 | -0.00177778 |
| 38 | -0.00166667 |
| 39 | -0.0016 |
| 40 | -0.0016 |
| 41 | -0.00148571 |
| 42 | -0.00145455 |
| 43 | -0.00145455 |
| 44 | -0.00133333 |
| 45 | -0.0013 |
| 46 | -0.00125 |
| 47 | -0.00123077 |
| 48 | -0.00115556 |
| 49 | -0.00114286 |
| 50 | -0.00111111 |
| 51 | -0.001 |
| 52 | -0.000945455 |
| 53 | -0.000909091 |
| 54 | -0.000866667 |
| 55 | -0.000833333 |
| 56 | -0.0008 |
| 57 | -0.000742857 |
| 58 | -0.000693333 |
| 59 | -0.000133333 |
| 60 | 0 |
| 61 | 0 |
| 62 | 0 |

| | |
|---|---|
| 63 | 0 |
| 64 | 0 |
| 65 | 0 |
| 66 | 0 |
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 0 |
| 71 | 0 |
| 72 | 0 |
| 73 | 0 |
| 74 | 0 |
| 75 | 0 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 0 |
| 80 | 0 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0 |
| 85 | 0 |
| 86 | 0 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 0 |
| 101 | 0 |
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0.0001875 |
| 109 | 0.0002 |
| 110 | 0.000214286 |
| 111 | 0.000230769 |
| 112 | 0.00025 |
| 113 | 0.0003 |
| 114 | 0.000333333 |
| 115 | 0.000375 |
| 116 | 0.0005 |
| 117 | 0.000933333 |
| 118 | 0.001 |
| 119 | 0.0014 |

| | |
|---|---|
| 120 | 0.002 |
| 121 | 0.00271429 |
| 122 | 0.00325 |
| 123 | 0.0038 |
| 124 | 0.004 |
| 125 | 0.0056 |
| 126 | 0.006 |
| 127 | 0.006 |
| 128 | 0.0075 |
| 129 | 0.008 |
| 130 | 0.0095 |
| 131 | 0.01 |
| 132 | 0.01 |
| 133 | 0.0134 |
| 134 | 0.015 |
| 135 | 0.016 |
| 136 | 0.03 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 10 |
| 2 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 2316
B = 0
C = 726
D = 0
E = 96
F = 0
a = 10608
b = 36720
c = 544
Group Variance = 460.667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 35.3037
M1 = (136 - 35.3037)/2.0 = 50.3481
M2 = (136 + 35.3037)/2.0 + 1 = 86.6519

Lower limit is -0.00111111 = Q(50)
Upper limit is 0 = Q(87)
-0.00111111 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 5
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(2 - 1) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(3 - 1) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(4 - 1) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(5 - 1) | 0 |
| 0.035 (1/11/2022) | ND<0.03 U (12/17/2020) | (0.035 - 0.03)/(6 - 1) | 0.001 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(7 - 1) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(8 - 1) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(9 - 1) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(10 - 1) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(11 - 1) | -0.0016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(12 - 1) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(13 - 1) | -0.00133333 |
| 0.017 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.017 - 0.03)/(14 - 1) | -0.001 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(15 - 1) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(16 - 1) | -0.00106667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(17 - 1) | -0.00065 |
| 0.031 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.031 - 0.03)/(18 - 1) | 5.88235e-05 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(3 - 2) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(4 - 2) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(5 - 2) | 0 |
| 0.035 (1/11/2022) | ND<0.03 U (3/18/2021) | (0.035 - 0.03)/(6 - 2) | 0.00125 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(7 - 2) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(8 - 2) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(9 - 2) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(10 - 2) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(11 - 2) | -0.00177778 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(12 - 2) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(13 - 2) | -0.00145455 |
| 0.017 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.017 - 0.03)/(14 - 2) | -0.00108333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(15 - 2) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(16 - 2) | -0.00114286 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(17 - 2) | -0.000693333 |
| 0.031 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.031 - 0.03)/(18 - 2) | 6.25e-05 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(4 - 3) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(5 - 3) | 0 |
| 0.035 (1/11/2022) | ND<0.03 U (5/5/2021) | (0.035 - 0.03)/(6 - 3) | 0.00166667 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(7 - 3) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(8 - 3) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(9 - 3) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(10 - 3) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(11 - 3) | -0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(12 - 3) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(13 - 3) | -0.0016 |
| 0.017 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.017 - 0.03)/(14 - 3) | -0.00118182 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(15 - 3) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(16 - 3) | -0.00123077 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(17 - 3) | -0.000742857 |
| 0.031 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.031 - 0.03)/(18 - 3) | 6.66667e-05 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(5 - 4) | 0 |
| 0.035 (1/11/2022) | ND<0.03 U (9/2/2021) | (0.035 - 0.03)/(6 - 4) | 0.0025 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(7 - 4) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(8 - 4) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(9 - 4) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(10 - 4) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(11 - 4) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(12 - 4) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(13 - 4) | -0.00177778 |
| 0.017 (1/10/2024) | ND<0.03 U (9/2/2021) | (0.017 - 0.03)/(14 - 4) | -0.0013 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(15 - 4) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(16 - 4) | -0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/2/2021) | (0.0196 - 0.03)/(17 - 4) | -0.0008 |
| 0.031 (2/18/2025) | ND<0.03 U (9/2/2021) | (0.031 - 0.03)/(18 - 4) | 7.14286e-05 |
| | | | |
| 0.035 (1/11/2022) | ND<0.03 U (11/23/2021) | (0.035 - 0.03)/(6 - 5) | 0.005 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(7 - 5) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(8 - 5) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(9 - 5) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(10 - 5) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(11 - 5) | -0.00266667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(12 - 5) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(13 - 5) | -0.002 |
| 0.017 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.017 - 0.03)/(14 - 5) | -0.00144444 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(15 - 5) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(16 - 5) | -0.00145455 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(17 - 5) | -0.000866667 |
| 0.031 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.031 - 0.03)/(18 - 5) | 7.69231e-05 |
| | | | |
| ND<0.03 U (4/7/2022) | 0.035 (1/11/2022) | (0.03 - 0.035)/(7 - 6) | -0.005 |
| ND<0.03 U (8/2/2022) | 0.035 (1/11/2022) | (0.03 - 0.035)/(8 - 6) | -0.0025 |
| ND<0.03 U (11/16/2022) | 0.035 (1/11/2022) | (0.03 - 0.035)/(9 - 6) | -0.00166667 |
| ND<0.03 U (2/14/2023) | 0.035 (1/11/2022) | (0.03 - 0.035)/(10 - 6) | -0.00125 |
| ND<0.014 U (5/25/2023) | 0.035 (1/11/2022) | (0.014 - 0.035)/(11 - 6) | -0.0042 |
| ND<0.03 U (8/7/2023) | 0.035 (1/11/2022) | (0.03 - 0.035)/(12 - 6) | -0.000833333 |
| ND<0.014 U (12/12/2023) | 0.035 (1/11/2022) | (0.014 - 0.035)/(13 - 6) | -0.003 |
| 0.017 (1/10/2024) | 0.035 (1/11/2022) | (0.017 - 0.035)/(14 - 6) | -0.00225 |
| ND<0.03 U (5/21/2024) | 0.035 (1/11/2022) | (0.03 - 0.035)/(15 - 6) | -0.000555556 |
| ND<0.014 U (9/16/2024) | 0.035 (1/11/2022) | (0.014 - 0.035)/(16 - 6) | -0.0021 |
| ND<0.0196 U (12/11/2024) | 0.035 (1/11/2022) | (0.0196 - 0.035)/(17 - 6) | -0.0014 |
| 0.031 (2/18/2025) | 0.035 (1/11/2022) | (0.031 - 0.035)/(18 - 6) | -0.000333333 |
| | | | |
| ND<0.03 U (8/2/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(8 - 7) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(9 - 7) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(10 - 7) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(11 - 7) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(12 - 7) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(13 - 7) | -0.00266667 |
| 0.017 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.017 - 0.03)/(14 - 7) | -0.00185714 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(15 - 7) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(16 - 7) | -0.00177778 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(17 - 7) | -0.00104 |
| 0.031 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.031 - 0.03)/(18 - 7) | 9.09091e-05 |

| | | | |
|---|---|---|---|
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(9 - 8) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(10 - 8) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(11 - 8) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(12 - 8) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(13 - 8) | -0.0032 |
| 0.017 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.017 - 0.03)/(14 - 8) | -0.00216667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(15 - 8) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(16 - 8) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/2/2022) | (0.0196 - 0.03)/(17 - 8) | -0.00115556 |
| 0.031 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.031 - 0.03)/(18 - 8) | 0.0001 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(10 - 9) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(11 - 9) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(12 - 9) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(13 - 9) | -0.004 |
| 0.017 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.017 - 0.03)/(14 - 9) | -0.0026 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(15 - 9) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(16 - 9) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(17 - 9) | -0.0013 |
| 0.031 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.031 - 0.03)/(18 - 9) | 0.000111111 |
| | | | |
| ND<0.014 U (5/25/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(11 - 10) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(12 - 10) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(13 - 10) | -0.00533333 |
| 0.017 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.017 - 0.03)/(14 - 10) | -0.00325 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(15 - 10) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(16 - 10) | -0.00266667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/14/2023) | (0.0196 - 0.03)/(17 - 10) | -0.00148571 |
| 0.031 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.031 - 0.03)/(18 - 10) | 0.000125 |
| | | | |
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(12 - 11) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(13 - 11) | 0 |
| 0.017 (1/10/2024) | ND<0.014 U (5/25/2023) | (0.017 - 0.014)/(14 - 11) | 0.001 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(15 - 11) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(16 - 11) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/25/2023) | (0.0196 - 0.014)/(17 - 11) | 0.000933333 |
| 0.031 (2/18/2025) | ND<0.014 U (5/25/2023) | (0.031 - 0.014)/(18 - 11) | 0.00242857 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(13 - 12) | -0.016 |
| 0.017 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.017 - 0.03)/(14 - 12) | -0.0065 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(15 - 12) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(16 - 12) | -0.004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(17 - 12) | -0.00208 |
| 0.031 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.031 - 0.03)/(18 - 12) | 0.000166667 |
| | | | |
| 0.017 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.017 - 0.014)/(14 - 13) | 0.003 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(15 - 13) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(16 - 13) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(17 - 13) | 0.0014 |
| 0.031 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.031 - 0.014)/(18 - 13) | 0.0034 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.017 (1/10/2024) | (0.03 - 0.017)/(15 - 14) | 0.013 |
| ND<0.014 U (9/16/2024) | 0.017 (1/10/2024) | (0.014 - 0.017)/(16 - 14) | -0.0015 |
| ND<0.0196 U (12/11/2024) | 0.017 (1/10/2024) | (0.0196 - 0.017)/(17 - 14) | 0.000866667 |
| 0.031 (2/18/2025) | 0.017 (1/10/2024) | (0.031 - 0.017)/(18 - 14) | 0.0035 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(16 - 15) | -0.016 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/21/2024) | (0.0196 - 0.03)/(17 - 15) | -0.0052 |
| 0.031 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.031 - 0.03)/(18 - 15) | 0.000333333 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(17 - 16) | 0.0056 |
| 0.031 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.031 - 0.014)/(18 - 16) | 0.0085 |
| 0.031 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.031 - 0.0196)/(18 - 17) | 0.0114 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.016 |
| 2 | -0.016 |
| 3 | -0.016 |
| 4 | -0.008 |
| 5 | -0.0065 |
| 6 | -0.00533333 |
| 7 | -0.00533333 |
| 8 | -0.0052 |
| 9 | -0.005 |
| 10 | -0.0042 |
| 11 | -0.004 |
| 12 | -0.004 |
| 13 | -0.004 |
| 14 | -0.00325 |
| 15 | -0.0032 |
| 16 | -0.003 |
| 17 | -0.00266667 |
| 18 | -0.00266667 |
| 19 | -0.00266667 |
| 20 | -0.0026 |
| 21 | -0.0025 |
| 22 | -0.00228571 |
| 23 | -0.00228571 |
| 24 | -0.00225 |
| 25 | -0.00216667 |
| 26 | -0.0021 |
| 27 | -0.00208 |
| 28 | -0.002 |
| 29 | -0.002 |
| 30 | -0.002 |
| 31 | -0.00185714 |
| 32 | -0.00177778 |
| 33 | -0.00177778 |
| 34 | -0.00177778 |
| 35 | -0.00166667 |
| 36 | -0.0016 |
| 37 | -0.0016 |
| 38 | -0.0015 |
| 39 | -0.00148571 |
| 40 | -0.00145455 |
| 41 | -0.00145455 |
| 42 | -0.00144444 |
| 43 | -0.0014 |
| 44 | -0.00133333 |

| | |
|---|---|
| 45 | -0.00133333 |
| 46 | -0.0013 |
| 47 | -0.0013 |
| 48 | -0.00125 |
| 49 | -0.00123077 |
| 50 | -0.00118182 |
| 51 | -0.00115556 |
| 52 | -0.00114286 |
| 53 | -0.00108333 |
| 54 | -0.00106667 |
| 55 | -0.00104 |
| 56 | -0.001 |
| 57 | -0.000866667 |
| 58 | -0.000833333 |
| 59 | -0.0008 |
| 60 | -0.000742857 |
| 61 | -0.000693333 |
| 62 | -0.00065 |
| 63 | -0.000555556 |
| 64 | -0.000333333 |
| 65 | 0 |
| 66 | 0 |
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 0 |
| 71 | 0 |
| 72 | 0 |
| 73 | 0 |
| 74 | 0 |
| 75 | 0 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 0 |
| 80 | 0 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0 |
| 85 | 0 |
| 86 | 0 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 0 |
| 101 | 0 |

| | |
|---|---|
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0 |
| 109 | 0 |
| 110 | 0 |
| 111 | 0 |
| 112 | 0 |
| 113 | 0 |
| 114 | 0 |
| 115 | 0 |
| 116 | 0 |
| 117 | 0 |
| 118 | 0 |
| 119 | 0 |
| 120 | 0 |
| 121 | 0 |
| 122 | 0 |
| 123 | 5.88235e-05 |
| 124 | 6.25e-05 |
| 125 | 6.66667e-05 |
| 126 | 7.14286e-05 |
| 127 | 7.69231e-05 |
| 128 | 9.09091e-05 |
| 129 | 0.0001 |
| 130 | 0.000111111 |
| 131 | 0.000125 |
| 132 | 0.000166667 |
| 133 | 0.000333333 |
| 134 | 0.000866667 |
| 135 | 0.000933333 |
| 136 | 0.001 |
| 137 | 0.001 |
| 138 | 0.00125 |
| 139 | 0.0014 |
| 140 | 0.00166667 |
| 141 | 0.00242857 |
| 142 | 0.0025 |
| 143 | 0.003 |
| 144 | 0.0034 |
| 145 | 0.0035 |
| 146 | 0.004 |
| 147 | 0.005 |
| 148 | 0.0056 |
| 149 | 0.008 |
| 150 | 0.0085 |
| 151 | 0.0114 |
| 152 | 0.013 |
| 153 | 0.016 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 11 |
| 2 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 3036
B = 0
C = 996
D = 0
E = 116
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 528.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 37.8078
M1 = (153 - 37.8078)/2.0 = 57.5961
M2 = (153 + 37.8078)/2.0 + 1 = 96.4039
Lower limit is -0.000833333 = Q(58)
Upper limit is 0 = Q(96)
-0.000833333 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 6
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.03 U (3/18/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(2 - 1) | 0 |
| ND<0.03 U (5/5/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(3 - 1) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(4 - 1) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(5 - 1) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(6 - 1) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(7 - 1) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(8 - 1) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(9 - 1) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(10 - 1) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(11 - 1) | -0.0016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(12 - 1) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(13 - 1) | -0.00133333 |
| 0.014 (1/10/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(14 - 1) | -0.00123077 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (12/17/2020) | (0.03 - 0.03)/(15 - 1) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (12/17/2020) | (0.014 - 0.03)/(16 - 1) | -0.00106667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (12/17/2020) | (0.0196 - 0.03)/(17 - 1) | -0.00065 |
| 0.032 (2/18/2025) | ND<0.03 U (12/17/2020) | (0.032 - 0.03)/(18 - 1) | 0.000117647 |
| | | | |
| ND<0.03 U (5/5/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(3 - 2) | 0 |
| ND<0.03 U (9/2/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(4 - 2) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(5 - 2) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(6 - 2) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(7 - 2) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(8 - 2) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(9 - 2) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(10 - 2) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(11 - 2) | -0.00177778 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(12 - 2) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(13 - 2) | -0.00145455 |
| 0.014 (1/10/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(14 - 2) | -0.00133333 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (3/18/2021) | (0.03 - 0.03)/(15 - 2) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (3/18/2021) | (0.014 - 0.03)/(16 - 2) | -0.00114286 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (3/18/2021) | (0.0196 - 0.03)/(17 - 2) | -0.000693333 |
| 0.032 (2/18/2025) | ND<0.03 U (3/18/2021) | (0.032 - 0.03)/(18 - 2) | 0.000125 |
| | | | |
| ND<0.03 U (9/2/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(4 - 3) | 0 |
| ND<0.03 U (11/23/2021) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(5 - 3) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(6 - 3) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(7 - 3) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(8 - 3) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(9 - 3) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(10 - 3) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(11 - 3) | -0.002 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(12 - 3) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(13 - 3) | -0.0016 |
| 0.014 (1/10/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(14 - 3) | -0.00145455 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (5/5/2021) | (0.03 - 0.03)/(15 - 3) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/5/2021) | (0.014 - 0.03)/(16 - 3) | -0.00123077 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/5/2021) | (0.0196 - 0.03)/(17 - 3) | -0.000742857 |
| 0.032 (2/18/2025) | ND<0.03 U (5/5/2021) | (0.032 - 0.03)/(18 - 3) | 0.000133333 |
| | | | |
| ND<0.03 U (11/23/2021) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(5 - 4) | 0 |
| ND<0.03 U (1/11/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(6 - 4) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(7 - 4) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(8 - 4) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(9 - 4) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(10 - 4) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(11 - 4) | -0.00228571 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(12 - 4) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(13 - 4) | -0.00177778 |
| 0.014 (1/10/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(14 - 4) | -0.0016 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (9/2/2021) | (0.03 - 0.03)/(15 - 4) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (9/2/2021) | (0.014 - 0.03)/(16 - 4) | -0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (9/2/2021) | (0.0196 - 0.03)/(17 - 4) | -0.0008 |
| 0.032 (2/18/2025) | ND<0.03 U (9/2/2021) | (0.032 - 0.03)/(18 - 4) | 0.000142857 |
| | | | |
| ND<0.03 U (1/11/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(6 - 5) | 0 |
| ND<0.03 U (4/7/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(7 - 5) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(8 - 5) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(9 - 5) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(10 - 5) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(11 - 5) | -0.00266667 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(12 - 5) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(13 - 5) | -0.002 |
| 0.014 (1/10/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(14 - 5) | -0.00177778 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/23/2021) | (0.03 - 0.03)/(15 - 5) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/23/2021) | (0.014 - 0.03)/(16 - 5) | -0.00145455 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/23/2021) | (0.0196 - 0.03)/(17 - 5) | -0.000866667 |
| 0.032 (2/18/2025) | ND<0.03 U (11/23/2021) | (0.032 - 0.03)/(18 - 5) | 0.000153846 |
| | | | |
| ND<0.03 U (4/7/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(7 - 6) | 0 |
| ND<0.03 U (8/2/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(8 - 6) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(9 - 6) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(10 - 6) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(11 - 6) | -0.0032 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(12 - 6) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(13 - 6) | -0.00228571 |
| 0.014 (1/10/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(14 - 6) | -0.002 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (1/11/2022) | (0.03 - 0.03)/(15 - 6) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (1/11/2022) | (0.014 - 0.03)/(16 - 6) | -0.0016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (1/11/2022) | (0.0196 - 0.03)/(17 - 6) | -0.000945455 |
| 0.032 (2/18/2025) | ND<0.03 U (1/11/2022) | (0.032 - 0.03)/(18 - 6) | 0.000166667 |
| | | | |
| ND<0.03 U (8/2/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(8 - 7) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(9 - 7) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(10 - 7) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(11 - 7) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(12 - 7) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(13 - 7) | -0.00266667 |
| 0.014 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(14 - 7) | -0.00228571 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(15 - 7) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(16 - 7) | -0.00177778 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(17 - 7) | -0.00104 |
| 0.032 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.032 - 0.03)/(18 - 7) | 0.000181818 |

| | | | |
|---|---|---|---|
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(9 - 8) | 0 |
| ND<0.03 U (2/14/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(10 - 8) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(11 - 8) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(12 - 8) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(13 - 8) | -0.0032 |
| 0.014 (1/10/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(14 - 8) | -0.00266667 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/2/2022) | (0.03 - 0.03)/(15 - 8) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/2/2022) | (0.014 - 0.03)/(16 - 8) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/2/2022) | (0.0196 - 0.03)/(17 - 8) | -0.00115556 |
| 0.032 (2/18/2025) | ND<0.03 U (8/2/2022) | (0.032 - 0.03)/(18 - 8) | 0.0002 |
| | | | |
| ND<0.03 U (2/14/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(10 - 9) | 0 |
| ND<0.014 U (5/25/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(11 - 9) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(12 - 9) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(13 - 9) | -0.004 |
| 0.014 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(14 - 9) | -0.0032 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(15 - 9) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(16 - 9) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(17 - 9) | -0.0013 |
| 0.032 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.032 - 0.03)/(18 - 9) | 0.000222222 |
| | | | |
| ND<0.014 U (5/25/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(11 - 10) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(12 - 10) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(13 - 10) | -0.00533333 |
| 0.014 (1/10/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(14 - 10) | -0.004 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (2/14/2023) | (0.03 - 0.03)/(15 - 10) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (2/14/2023) | (0.014 - 0.03)/(16 - 10) | -0.00266667 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/14/2023) | (0.0196 - 0.03)/(17 - 10) | -0.00148571 |
| 0.032 (2/18/2025) | ND<0.03 U (2/14/2023) | (0.032 - 0.03)/(18 - 10) | 0.00025 |
| | | | |
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(12 - 11) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(13 - 11) | 0 |
| 0.014 (1/10/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(14 - 11) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (5/25/2023) | (0.03 - 0.014)/(15 - 11) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/25/2023) | (0.014 - 0.014)/(16 - 11) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/25/2023) | (0.0196 - 0.014)/(17 - 11) | 0.000933333 |
| 0.032 (2/18/2025) | ND<0.014 U (5/25/2023) | (0.032 - 0.014)/(18 - 11) | 0.00257143 |
| | | | |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(13 - 12) | -0.016 |
| 0.014 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(14 - 12) | -0.008 |
| ND<0.03 U (5/21/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(15 - 12) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(16 - 12) | -0.004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(17 - 12) | -0.00208 |
| 0.032 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.032 - 0.03)/(18 - 12) | 0.000333333 |
| | | | |
| 0.014 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(14 - 13) | 0 |
| ND<0.03 U (5/21/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(15 - 13) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(16 - 13) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(17 - 13) | 0.0014 |
| 0.032 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.032 - 0.014)/(18 - 13) | 0.0036 |
| | | | |
| ND<0.03 U (5/21/2024) | 0.014 (1/10/2024) | (0.03 - 0.014)/(15 - 14) | 0.016 |
| ND<0.014 U (9/16/2024) | 0.014 (1/10/2024) | (0.014 - 0.014)/(16 - 14) | 0 |
| ND<0.0196 U (12/11/2024) | 0.014 (1/10/2024) | (0.0196 - 0.014)/(17 - 14) | 0.00186667 |
| 0.032 (2/18/2025) | 0.014 (1/10/2024) | (0.032 - 0.014)/(18 - 14) | 0.0045 |
| | | | |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/21/2024) | (0.014 - 0.03)/(16 - 15) | -0.016 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/21/2024) | (0.0196 - 0.03)/(17 - 15) | -0.0052 |
| 0.032 (2/18/2025) | ND<0.03 U (5/21/2024) | (0.032 - 0.03)/(18 - 15) | 0.000666667 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(17 - 16) | 0.0056 |
| 0.032 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.032 - 0.014)/(18 - 16) | 0.009 |
| 0.032 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.032 - 0.0196)/(18 - 17) | 0.0124 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.016 |
| 2 | -0.016 |
| 3 | -0.016 |
| 4 | -0.008 |
| 5 | -0.008 |
| 6 | -0.00533333 |
| 7 | -0.00533333 |
| 8 | -0.0052 |
| 9 | -0.004 |
| 10 | -0.004 |
| 11 | -0.004 |
| 12 | -0.004 |
| 13 | -0.0032 |
| 14 | -0.0032 |
| 15 | -0.0032 |
| 16 | -0.00266667 |
| 17 | -0.00266667 |
| 18 | -0.00266667 |
| 19 | -0.00266667 |
| 20 | -0.00228571 |
| 21 | -0.00228571 |
| 22 | -0.00228571 |
| 23 | -0.00228571 |
| 24 | -0.00208 |
| 25 | -0.002 |
| 26 | -0.002 |
| 27 | -0.002 |
| 28 | -0.002 |
| 29 | -0.00177778 |
| 30 | -0.00177778 |
| 31 | -0.00177778 |
| 32 | -0.00177778 |
| 33 | -0.0016 |
| 34 | -0.0016 |
| 35 | -0.0016 |
| 36 | -0.0016 |
| 37 | -0.00148571 |
| 38 | -0.00145455 |
| 39 | -0.00145455 |
| 40 | -0.00145455 |
| 41 | -0.00133333 |
| 42 | -0.00133333 |
| 43 | -0.00133333 |
| 44 | -0.0013 |

| | |
|---|---|
| 45 | -0.00123077 |
| 46 | -0.00123077 |
| 47 | -0.00115556 |
| 48 | -0.00114286 |
| 49 | -0.00106667 |
| 50 | -0.00104 |
| 51 | -0.000945455 |
| 52 | -0.000866667 |
| 53 | -0.0008 |
| 54 | -0.000742857 |
| 55 | -0.000693333 |
| 56 | -0.00065 |
| 57 | 0 |
| 58 | 0 |
| 59 | 0 |
| 60 | 0 |
| 61 | 0 |
| 62 | 0 |
| 63 | 0 |
| 64 | 0 |
| 65 | 0 |
| 66 | 0 |
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 0 |
| 71 | 0 |
| 72 | 0 |
| 73 | 0 |
| 74 | 0 |
| 75 | 0 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 0 |
| 80 | 0 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 0 |
| 85 | 0 |
| 86 | 0 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |
| 97 | 0 |
| 98 | 0 |
| 99 | 0 |
| 100 | 0 |
| 101 | 0 |

| | |
|---|---|
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 0 |
| 108 | 0 |
| 109 | 0 |
| 110 | 0 |
| 111 | 0 |
| 112 | 0 |
| 113 | 0 |
| 114 | 0 |
| 115 | 0 |
| 116 | 0 |
| 117 | 0 |
| 118 | 0 |
| 119 | 0 |
| 120 | 0 |
| 121 | 0 |
| 122 | 0 |
| 123 | 0 |
| 124 | 0 |
| 125 | 0 |
| 126 | 0 |
| 127 | 0 |
| 128 | 0 |
| 129 | 0.000117647 |
| 130 | 0.000125 |
| 131 | 0.000133333 |
| 132 | 0.000142857 |
| 133 | 0.000153846 |
| 134 | 0.000166667 |
| 135 | 0.000181818 |
| 136 | 0.0002 |
| 137 | 0.000222222 |
| 138 | 0.00025 |
| 139 | 0.000333333 |
| 140 | 0.000666667 |
| 141 | 0.000933333 |
| 142 | 0.0014 |
| 143 | 0.00186667 |
| 144 | 0.00257143 |
| 145 | 0.0036 |
| 146 | 0.004 |
| 147 | 0.0045 |
| 148 | 0.0056 |
| 149 | 0.008 |
| 150 | 0.009 |
| 151 | 0.0124 |
| 152 | 0.016 |
| 153 | 0.016 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 12 |
| 2 | 0.014 | 4 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/11/2022 | 1 |
| 4/7/2022 | 1 |
| 8/2/2022 | 1 |
| 11/16/2022 | 1 |
| 2/14/2023 | 1 |
| 5/25/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/21/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

A = 3984
B = 0
C = 1344
D = 0
E = 144
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 475.667
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 35.8739
M1 = (153 - 35.8739)/2.0 = 58.5631
M2 = (153 + 35.8739)/2.0 + 1 = 95.4369
Lower limit is 0 = Q(59)
Upper limit is 0 = Q(95)
0 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 7
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| 0.093 (3/18/2021) | 0.094 (12/17/2020) | (0.093 - 0.094)/(2 - 1) | -0.001 |
| 0.112 (5/5/2021) | 0.094 (12/17/2020) | (0.112 - 0.094)/(3 - 1) | 0.009 |
| 0.179 (9/2/2021) | 0.094 (12/17/2020) | (0.179 - 0.094)/(4 - 1) | 0.0283333 |
| 0.472 (11/23/2021) | 0.094 (12/17/2020) | (0.472 - 0.094)/(5 - 1) | 0.0945 |
| 0.14 (1/10/2022) | 0.094 (12/17/2020) | (0.14 - 0.094)/(6 - 1) | 0.0092 |
| ND<0.03 U (4/7/2022) | 0.094 (12/17/2020) | (0.03 - 0.094)/(7 - 1) | -0.0106667 |
| 0.314 (8/3/2022) | 0.094 (12/17/2020) | (0.314 - 0.094)/(8 - 1) | 0.0314286 |
| 0.49 (11/16/2022) | 0.094 (12/17/2020) | (0.49 - 0.094)/(9 - 1) | 0.0495 |
| ND<0.03 U (2/13/2023) | 0.094 (12/17/2020) | (0.03 - 0.094)/(10 - 1) | -0.00711111 |
| 0.143 (5/24/2023) | 0.094 (12/17/2020) | (0.143 - 0.094)/(11 - 1) | 0.0049 |
| 0.403 (8/7/2023) | 0.094 (12/17/2020) | (0.403 - 0.094)/(12 - 1) | 0.0280909 |
| 0.705 (12/12/2023) | 0.094 (12/17/2020) | (0.705 - 0.094)/(13 - 1) | 0.0509167 |
| 0.32 (1/10/2024) | 0.094 (12/17/2020) | (0.32 - 0.094)/(14 - 1) | 0.0173846 |
| 0.162 (5/20/2024) | 0.094 (12/17/2020) | (0.162 - 0.094)/(15 - 1) | 0.00485714 |
| 0.577 (9/16/2024) | 0.094 (12/17/2020) | (0.577 - 0.094)/(16 - 1) | 0.0322 |
| 0.788 (12/11/2024) | 0.094 (12/17/2020) | (0.788 - 0.094)/(17 - 1) | 0.043375 |
| 0.099 (2/18/2025) | 0.094 (12/17/2020) | (0.099 - 0.094)/(18 - 1) | 0.000294118 |
| | | | |
| 0.112 (5/5/2021) | 0.093 (3/18/2021) | (0.112 - 0.093)/(3 - 2) | 0.019 |
| 0.179 (9/2/2021) | 0.093 (3/18/2021) | (0.179 - 0.093)/(4 - 2) | 0.043 |
| 0.472 (11/23/2021) | 0.093 (3/18/2021) | (0.472 - 0.093)/(5 - 2) | 0.126333 |
| 0.14 (1/10/2022) | 0.093 (3/18/2021) | (0.14 - 0.093)/(6 - 2) | 0.01175 |
| ND<0.03 U (4/7/2022) | 0.093 (3/18/2021) | (0.03 - 0.093)/(7 - 2) | -0.0126 |
| 0.314 (8/3/2022) | 0.093 (3/18/2021) | (0.314 - 0.093)/(8 - 2) | 0.0368333 |
| 0.49 (11/16/2022) | 0.093 (3/18/2021) | (0.49 - 0.093)/(9 - 2) | 0.0567143 |
| ND<0.03 U (2/13/2023) | 0.093 (3/18/2021) | (0.03 - 0.093)/(10 - 2) | -0.007875 |
| 0.143 (5/24/2023) | 0.093 (3/18/2021) | (0.143 - 0.093)/(11 - 2) | 0.00555556 |
| 0.403 (8/7/2023) | 0.093 (3/18/2021) | (0.403 - 0.093)/(12 - 2) | 0.031 |
| 0.705 (12/12/2023) | 0.093 (3/18/2021) | (0.705 - 0.093)/(13 - 2) | 0.0556364 |
| 0.32 (1/10/2024) | 0.093 (3/18/2021) | (0.32 - 0.093)/(14 - 2) | 0.0189167 |
| 0.162 (5/20/2024) | 0.093 (3/18/2021) | (0.162 - 0.093)/(15 - 2) | 0.00530769 |
| 0.577 (9/16/2024) | 0.093 (3/18/2021) | (0.577 - 0.093)/(16 - 2) | 0.0345714 |
| 0.788 (12/11/2024) | 0.093 (3/18/2021) | (0.788 - 0.093)/(17 - 2) | 0.0463333 |
| 0.099 (2/18/2025) | 0.093 (3/18/2021) | (0.099 - 0.093)/(18 - 2) | 0.000375 |
| | | | |
| 0.179 (9/2/2021) | 0.112 (5/5/2021) | (0.179 - 0.112)/(4 - 3) | 0.067 |
| 0.472 (11/23/2021) | 0.112 (5/5/2021) | (0.472 - 0.112)/(5 - 3) | 0.18 |
| 0.14 (1/10/2022) | 0.112 (5/5/2021) | (0.14 - 0.112)/(6 - 3) | 0.00933333 |
| ND<0.03 U (4/7/2022) | 0.112 (5/5/2021) | (0.03 - 0.112)/(7 - 3) | -0.0205 |
| 0.314 (8/3/2022) | 0.112 (5/5/2021) | (0.314 - 0.112)/(8 - 3) | 0.0404 |
| 0.49 (11/16/2022) | 0.112 (5/5/2021) | (0.49 - 0.112)/(9 - 3) | 0.063 |
| ND<0.03 U (2/13/2023) | 0.112 (5/5/2021) | (0.03 - 0.112)/(10 - 3) | -0.0117143 |
| 0.143 (5/24/2023) | 0.112 (5/5/2021) | (0.143 - 0.112)/(11 - 3) | 0.003875 |
| 0.403 (8/7/2023) | 0.112 (5/5/2021) | (0.403 - 0.112)/(12 - 3) | 0.0323333 |
| 0.705 (12/12/2023) | 0.112 (5/5/2021) | (0.705 - 0.112)/(13 - 3) | 0.0593 |
| 0.32 (1/10/2024) | 0.112 (5/5/2021) | (0.32 - 0.112)/(14 - 3) | 0.0189091 |
| 0.162 (5/20/2024) | 0.112 (5/5/2021) | (0.162 - 0.112)/(15 - 3) | 0.00416667 |
| 0.577 (9/16/2024) | 0.112 (5/5/2021) | (0.577 - 0.112)/(16 - 3) | 0.0357692 |

| | | | |
|---|---|---|---|
| 0.788 (12/11/2024) | 0.112 (5/5/2021) | (0.788 - 0.112)/(17 - 3) | 0.0482857 |
| 0.099 (2/18/2025) | 0.112 (5/5/2021) | (0.099 - 0.112)/(18 - 3) | -0.000866667 |
| | | | |
| 0.472 (11/23/2021) | 0.179 (9/2/2021) | (0.472 - 0.179)/(5 - 4) | 0.293 |
| 0.14 (1/10/2022) | 0.179 (9/2/2021) | (0.14 - 0.179)/(6 - 4) | -0.0195 |
| ND<0.03 U (4/7/2022) | 0.179 (9/2/2021) | (0.03 - 0.179)/(7 - 4) | -0.0496667 |
| 0.314 (8/3/2022) | 0.179 (9/2/2021) | (0.314 - 0.179)/(8 - 4) | 0.03375 |
| 0.49 (11/16/2022) | 0.179 (9/2/2021) | (0.49 - 0.179)/(9 - 4) | 0.0622 |
| ND<0.03 U (2/13/2023) | 0.179 (9/2/2021) | (0.03 - 0.179)/(10 - 4) | -0.0248333 |
| 0.143 (5/24/2023) | 0.179 (9/2/2021) | (0.143 - 0.179)/(11 - 4) | -0.00514286 |
| 0.403 (8/7/2023) | 0.179 (9/2/2021) | (0.403 - 0.179)/(12 - 4) | 0.028 |
| 0.705 (12/12/2023) | 0.179 (9/2/2021) | (0.705 - 0.179)/(13 - 4) | 0.0584444 |
| 0.32 (1/10/2024) | 0.179 (9/2/2021) | (0.32 - 0.179)/(14 - 4) | 0.0141 |
| 0.162 (5/20/2024) | 0.179 (9/2/2021) | (0.162 - 0.179)/(15 - 4) | -0.00154545 |
| 0.577 (9/16/2024) | 0.179 (9/2/2021) | (0.577 - 0.179)/(16 - 4) | 0.0331667 |
| 0.788 (12/11/2024) | 0.179 (9/2/2021) | (0.788 - 0.179)/(17 - 4) | 0.0468462 |
| 0.099 (2/18/2025) | 0.179 (9/2/2021) | (0.099 - 0.179)/(18 - 4) | -0.00571429 |
| | | | |
| 0.14 (1/10/2022) | 0.472 (11/23/2021) | (0.14 - 0.472)/(6 - 5) | -0.332 |
| ND<0.03 U (4/7/2022) | 0.472 (11/23/2021) | (0.03 - 0.472)/(7 - 5) | -0.221 |
| 0.314 (8/3/2022) | 0.472 (11/23/2021) | (0.314 - 0.472)/(8 - 5) | -0.0526667 |
| 0.49 (11/16/2022) | 0.472 (11/23/2021) | (0.49 - 0.472)/(9 - 5) | 0.0045 |
| ND<0.03 U (2/13/2023) | 0.472 (11/23/2021) | (0.03 - 0.472)/(10 - 5) | -0.0884 |
| 0.143 (5/24/2023) | 0.472 (11/23/2021) | (0.143 - 0.472)/(11 - 5) | -0.0548333 |
| 0.403 (8/7/2023) | 0.472 (11/23/2021) | (0.403 - 0.472)/(12 - 5) | -0.00985714 |
| 0.705 (12/12/2023) | 0.472 (11/23/2021) | (0.705 - 0.472)/(13 - 5) | 0.029125 |
| 0.32 (1/10/2024) | 0.472 (11/23/2021) | (0.32 - 0.472)/(14 - 5) | -0.0168889 |
| 0.162 (5/20/2024) | 0.472 (11/23/2021) | (0.162 - 0.472)/(15 - 5) | -0.031 |
| 0.577 (9/16/2024) | 0.472 (11/23/2021) | (0.577 - 0.472)/(16 - 5) | 0.00954545 |
| 0.788 (12/11/2024) | 0.472 (11/23/2021) | (0.788 - 0.472)/(17 - 5) | 0.0263333 |
| 0.099 (2/18/2025) | 0.472 (11/23/2021) | (0.099 - 0.472)/(18 - 5) | -0.0286923 |
| | | | |
| ND<0.03 U (4/7/2022) | 0.14 (1/10/2022) | (0.03 - 0.14)/(7 - 6) | -0.11 |
| 0.314 (8/3/2022) | 0.14 (1/10/2022) | (0.314 - 0.14)/(8 - 6) | 0.087 |
| 0.49 (11/16/2022) | 0.14 (1/10/2022) | (0.49 - 0.14)/(9 - 6) | 0.116667 |
| ND<0.03 U (2/13/2023) | 0.14 (1/10/2022) | (0.03 - 0.14)/(10 - 6) | -0.0275 |
| 0.143 (5/24/2023) | 0.14 (1/10/2022) | (0.143 - 0.14)/(11 - 6) | 0.0006 |
| 0.403 (8/7/2023) | 0.14 (1/10/2022) | (0.403 - 0.14)/(12 - 6) | 0.0438333 |
| 0.705 (12/12/2023) | 0.14 (1/10/2022) | (0.705 - 0.14)/(13 - 6) | 0.0807143 |
| 0.32 (1/10/2024) | 0.14 (1/10/2022) | (0.32 - 0.14)/(14 - 6) | 0.0225 |
| 0.162 (5/20/2024) | 0.14 (1/10/2022) | (0.162 - 0.14)/(15 - 6) | 0.00244444 |
| 0.577 (9/16/2024) | 0.14 (1/10/2022) | (0.577 - 0.14)/(16 - 6) | 0.0437 |
| 0.788 (12/11/2024) | 0.14 (1/10/2022) | (0.788 - 0.14)/(17 - 6) | 0.0589091 |
| 0.099 (2/18/2025) | 0.14 (1/10/2022) | (0.099 - 0.14)/(18 - 6) | -0.00341667 |
| | | | |
| 0.314 (8/3/2022) | ND<0.03 U (4/7/2022) | (0.314 - 0.03)/(8 - 7) | 0.284 |
| 0.49 (11/16/2022) | ND<0.03 U (4/7/2022) | (0.49 - 0.03)/(9 - 7) | 0.23 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(10 - 7) | 0 |
| 0.143 (5/24/2023) | ND<0.03 U (4/7/2022) | (0.143 - 0.03)/(11 - 7) | 0.02825 |
| 0.403 (8/7/2023) | ND<0.03 U (4/7/2022) | (0.403 - 0.03)/(12 - 7) | 0.0746 |
| 0.705 (12/12/2023) | ND<0.03 U (4/7/2022) | (0.705 - 0.03)/(13 - 7) | 0.1125 |
| 0.32 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.32 - 0.03)/(14 - 7) | 0.0414286 |
| 0.162 (5/20/2024) | ND<0.03 U (4/7/2022) | (0.162 - 0.03)/(15 - 7) | 0.0165 |
| 0.577 (9/16/2024) | ND<0.03 U (4/7/2022) | (0.577 - 0.03)/(16 - 7) | 0.0607778 |
| 0.788 (12/11/2024) | ND<0.03 U (4/7/2022) | (0.788 - 0.03)/(17 - 7) | 0.0758 |
| 0.099 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.099 - 0.03)/(18 - 7) | 0.00627273 |

| | | | |
|---|---|---|---|
| 0.49 (11/16/2022) | 0.314 (8/3/2022) | (0.49 - 0.314)/(9 - 8) | 0.176 |
| ND<0.03 U (2/13/2023) | 0.314 (8/3/2022) | (0.03 - 0.314)/(10 - 8) | -0.142 |
| 0.143 (5/24/2023) | 0.314 (8/3/2022) | (0.143 - 0.314)/(11 - 8) | -0.057 |
| 0.403 (8/7/2023) | 0.314 (8/3/2022) | (0.403 - 0.314)/(12 - 8) | 0.02225 |
| 0.705 (12/12/2023) | 0.314 (8/3/2022) | (0.705 - 0.314)/(13 - 8) | 0.0782 |
| 0.32 (1/10/2024) | 0.314 (8/3/2022) | (0.32 - 0.314)/(14 - 8) | 0.001 |
| 0.162 (5/20/2024) | 0.314 (8/3/2022) | (0.162 - 0.314)/(15 - 8) | -0.0217143 |
| 0.577 (9/16/2024) | 0.314 (8/3/2022) | (0.577 - 0.314)/(16 - 8) | 0.032875 |
| 0.788 (12/11/2024) | 0.314 (8/3/2022) | (0.788 - 0.314)/(17 - 8) | 0.0526667 |
| 0.099 (2/18/2025) | 0.314 (8/3/2022) | (0.099 - 0.314)/(18 - 8) | -0.0215 |
| | | | |
| ND<0.03 U (2/13/2023) | 0.49 (11/16/2022) | (0.03 - 0.49)/(10 - 9) | -0.46 |
| 0.143 (5/24/2023) | 0.49 (11/16/2022) | (0.143 - 0.49)/(11 - 9) | -0.1735 |
| 0.403 (8/7/2023) | 0.49 (11/16/2022) | (0.403 - 0.49)/(12 - 9) | -0.029 |
| 0.705 (12/12/2023) | 0.49 (11/16/2022) | (0.705 - 0.49)/(13 - 9) | 0.05375 |
| 0.32 (1/10/2024) | 0.49 (11/16/2022) | (0.32 - 0.49)/(14 - 9) | -0.034 |
| 0.162 (5/20/2024) | 0.49 (11/16/2022) | (0.162 - 0.49)/(15 - 9) | -0.0546667 |
| 0.577 (9/16/2024) | 0.49 (11/16/2022) | (0.577 - 0.49)/(16 - 9) | 0.0124286 |
| 0.788 (12/11/2024) | 0.49 (11/16/2022) | (0.788 - 0.49)/(17 - 9) | 0.03725 |
| 0.099 (2/18/2025) | 0.49 (11/16/2022) | (0.099 - 0.49)/(18 - 9) | -0.0434444 |
| | | | |
| 0.143 (5/24/2023) | ND<0.03 U (2/13/2023) | (0.143 - 0.03)/(11 - 10) | 0.113 |
| 0.403 (8/7/2023) | ND<0.03 U (2/13/2023) | (0.403 - 0.03)/(12 - 10) | 0.1865 |
| 0.705 (12/12/2023) | ND<0.03 U (2/13/2023) | (0.705 - 0.03)/(13 - 10) | 0.225 |
| 0.32 (1/10/2024) | ND<0.03 U (2/13/2023) | (0.32 - 0.03)/(14 - 10) | 0.0725 |
| 0.162 (5/20/2024) | ND<0.03 U (2/13/2023) | (0.162 - 0.03)/(15 - 10) | 0.0264 |
| 0.577 (9/16/2024) | ND<0.03 U (2/13/2023) | (0.577 - 0.03)/(16 - 10) | 0.0911667 |
| 0.788 (12/11/2024) | ND<0.03 U (2/13/2023) | (0.788 - 0.03)/(17 - 10) | 0.108286 |
| 0.099 (2/18/2025) | ND<0.03 U (2/13/2023) | (0.099 - 0.03)/(18 - 10) | 0.008625 |
| | | | |
| 0.403 (8/7/2023) | 0.143 (5/24/2023) | (0.403 - 0.143)/(12 - 11) | 0.26 |
| 0.705 (12/12/2023) | 0.143 (5/24/2023) | (0.705 - 0.143)/(13 - 11) | 0.281 |
| 0.32 (1/10/2024) | 0.143 (5/24/2023) | (0.32 - 0.143)/(14 - 11) | 0.059 |
| 0.162 (5/20/2024) | 0.143 (5/24/2023) | (0.162 - 0.143)/(15 - 11) | 0.00475 |
| 0.577 (9/16/2024) | 0.143 (5/24/2023) | (0.577 - 0.143)/(16 - 11) | 0.0868 |
| 0.788 (12/11/2024) | 0.143 (5/24/2023) | (0.788 - 0.143)/(17 - 11) | 0.1075 |
| 0.099 (2/18/2025) | 0.143 (5/24/2023) | (0.099 - 0.143)/(18 - 11) | -0.00628571 |
| | | | |
| 0.705 (12/12/2023) | 0.403 (8/7/2023) | (0.705 - 0.403)/(13 - 12) | 0.302 |
| 0.32 (1/10/2024) | 0.403 (8/7/2023) | (0.32 - 0.403)/(14 - 12) | -0.0415 |
| 0.162 (5/20/2024) | 0.403 (8/7/2023) | (0.162 - 0.403)/(15 - 12) | -0.0803333 |
| 0.577 (9/16/2024) | 0.403 (8/7/2023) | (0.577 - 0.403)/(16 - 12) | 0.0435 |
| 0.788 (12/11/2024) | 0.403 (8/7/2023) | (0.788 - 0.403)/(17 - 12) | 0.077 |
| 0.099 (2/18/2025) | 0.403 (8/7/2023) | (0.099 - 0.403)/(18 - 12) | -0.0506667 |
| | | | |
| 0.32 (1/10/2024) | 0.705 (12/12/2023) | (0.32 - 0.705)/(14 - 13) | -0.385 |
| 0.162 (5/20/2024) | 0.705 (12/12/2023) | (0.162 - 0.705)/(15 - 13) | -0.2715 |
| 0.577 (9/16/2024) | 0.705 (12/12/2023) | (0.577 - 0.705)/(16 - 13) | -0.0426667 |
| 0.788 (12/11/2024) | 0.705 (12/12/2023) | (0.788 - 0.705)/(17 - 13) | 0.02075 |
| 0.099 (2/18/2025) | 0.705 (12/12/2023) | (0.099 - 0.705)/(18 - 13) | -0.1212 |
| | | | |
| 0.162 (5/20/2024) | 0.32 (1/10/2024) | (0.162 - 0.32)/(15 - 14) | -0.158 |
| 0.577 (9/16/2024) | 0.32 (1/10/2024) | (0.577 - 0.32)/(16 - 14) | 0.1285 |
| 0.788 (12/11/2024) | 0.32 (1/10/2024) | (0.788 - 0.32)/(17 - 14) | 0.156 |
| 0.099 (2/18/2025) | 0.32 (1/10/2024) | (0.099 - 0.32)/(18 - 14) | -0.05525 |
| | | | |
| 0.577 (9/16/2024) | 0.162 (5/20/2024) | (0.577 - 0.162)/(16 - 15) | 0.415 |

| | | | |
|---|---|---|---|
| 0.788 (12/11/2024) | 0.162 (5/20/2024) | (0.788 - 0.162)/(17 - 15) | 0.313 |
| 0.099 (2/18/2025) | 0.162 (5/20/2024) | (0.099 - 0.162)/(18 - 15) | -0.021 |
| 0.788 (12/11/2024) | 0.577 (9/16/2024) | (0.788 - 0.577)/(17 - 16) | 0.211 |
| 0.099 (2/18/2025) | 0.577 (9/16/2024) | (0.099 - 0.577)/(18 - 16) | -0.239 |
| 0.099 (2/18/2025) | 0.788 (12/11/2024) | (0.099 - 0.788)/(18 - 17) | -0.689 |

Number of Q values = 153

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.689 |
| 2 | -0.46 |
| 3 | -0.385 |
| 4 | -0.332 |
| 5 | -0.2715 |
| 6 | -0.239 |
| 7 | -0.221 |
| 8 | -0.1735 |
| 9 | -0.158 |
| 10 | -0.142 |
| 11 | -0.1212 |
| 12 | -0.11 |
| 13 | -0.0884 |
| 14 | -0.0803333 |
| 15 | -0.057 |
| 16 | -0.05525 |
| 17 | -0.0548333 |
| 18 | -0.0546667 |
| 19 | -0.0526667 |
| 20 | -0.0506667 |
| 21 | -0.0496667 |
| 22 | -0.0434444 |
| 23 | -0.0426667 |
| 24 | -0.0415 |
| 25 | -0.034 |
| 26 | -0.031 |
| 27 | -0.029 |
| 28 | -0.0286923 |
| 29 | -0.0275 |
| 30 | -0.0248333 |
| 31 | -0.0217143 |
| 32 | -0.0215 |
| 33 | -0.021 |
| 34 | -0.0205 |
| 35 | -0.0195 |
| 36 | -0.0168889 |
| 37 | -0.0126 |
| 38 | -0.0117143 |
| 39 | -0.0106667 |
| 40 | -0.00985714 |
| 41 | -0.007875 |
| 42 | -0.00711111 |
| 43 | -0.00628571 |
| 44 | -0.00571429 |

| | |
|---|---|
| 45 | -0.00514286 |
| 46 | -0.00341667 |
| 47 | -0.00154545 |
| 48 | -0.001 |
| 49 | -0.000866667 |
| 50 | 0 |
| 51 | 0.000294118 |
| 52 | 0.000375 |
| 53 | 0.0006 |
| 54 | 0.001 |
| 55 | 0.00244444 |
| 56 | 0.003875 |
| 57 | 0.00416667 |
| 58 | 0.0045 |
| 59 | 0.00475 |
| 60 | 0.00485714 |
| 61 | 0.0049 |
| 62 | 0.00530769 |
| 63 | 0.00555556 |
| 64 | 0.00627273 |
| 65 | 0.008625 |
| 66 | 0.009 |
| 67 | 0.0092 |
| 68 | 0.00933333 |
| 69 | 0.00954545 |
| 70 | 0.01175 |
| 71 | 0.0124286 |
| 72 | 0.0141 |
| 73 | 0.0165 |
| 74 | 0.0173846 |
| 75 | 0.0189091 |
| 76 | 0.0189167 |
| 77 | 0.019 |
| 78 | 0.02075 |
| 79 | 0.02225 |
| 80 | 0.0225 |
| 81 | 0.0263333 |
| 82 | 0.0264 |
| 83 | 0.028 |
| 84 | 0.0280909 |
| 85 | 0.02825 |
| 86 | 0.0283333 |
| 87 | 0.029125 |
| 88 | 0.031 |
| 89 | 0.0314286 |
| 90 | 0.0322 |
| 91 | 0.0323333 |
| 92 | 0.032875 |
| 93 | 0.0331667 |
| 94 | 0.03375 |
| 95 | 0.0345714 |
| 96 | 0.0357692 |
| 97 | 0.0368333 |
| 98 | 0.03725 |
| 99 | 0.0404 |
| 100 | 0.0414286 |
| 101 | 0.043 |

| | |
|---|---|
| 102 | 0.043375 |
| 103 | 0.0435 |
| 104 | 0.0437 |
| 105 | 0.0438333 |
| 106 | 0.0463333 |
| 107 | 0.0468462 |
| 108 | 0.0482857 |
| 109 | 0.0495 |
| 110 | 0.0509167 |
| 111 | 0.0526667 |
| 112 | 0.05375 |
| 113 | 0.0556364 |
| 114 | 0.0567143 |
| 115 | 0.0584444 |
| 116 | 0.0589091 |
| 117 | 0.059 |
| 118 | 0.0593 |
| 119 | 0.0607778 |
| 120 | 0.0622 |
| 121 | 0.063 |
| 122 | 0.067 |
| 123 | 0.0725 |
| 124 | 0.0746 |
| 125 | 0.0758 |
| 126 | 0.077 |
| 127 | 0.0782 |
| 128 | 0.0807143 |
| 129 | 0.0868 |
| 130 | 0.087 |
| 131 | 0.0911667 |
| 132 | 0.0945 |
| 133 | 0.1075 |
| 134 | 0.108286 |
| 135 | 0.1125 |
| 136 | 0.113 |
| 137 | 0.116667 |
| 138 | 0.126333 |
| 139 | 0.1285 |
| 140 | 0.156 |
| 141 | 0.176 |
| 142 | 0.18 |
| 143 | 0.1865 |
| 144 | 0.211 |
| 145 | 0.225 |
| 146 | 0.23 |
| 147 | 0.26 |
| 148 | 0.281 |
| 149 | 0.284 |
| 150 | 0.293 |
| 151 | 0.302 |
| 152 | 0.313 |
| 153 | 0.415 |

Sen's Estimator (Median Q) is 0.019

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 2 |

| Time Period | Observations |
|---|---|
| 12/17/2020 | 1 |
| 3/18/2021 | 1 |
| 5/5/2021 | 1 |
| 9/2/2021 | 1 |
| 11/23/2021 | 1 |
| 1/10/2022 | 1 |
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 18
B = 0
C = 0
D = 0
E = 2
F = 0
a = 12546
b = 44064
c = 612
Group Variance = 696
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 43.3942
M1 = (153 - 43.3942)/2.0 = 54.8029
M2 = (153 + 43.3942)/2.0 + 1 = 99.1971
Lower limit is 0.00244444 = Q(55)
Upper limit is 0.0404 = Q(99)
**0.00244444 > 0 indicating an upward trend in data.**

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 10
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(2 - 1) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(3 - 1) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(4 - 1) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(5 - 1) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(6 - 1) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(7 - 1) | -0.00266667 |
| 0.017 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.017 - 0.03)/(8 - 1) | -0.00185714 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(9 - 1) | 0 |
| 0.018 (9/16/2024) | ND<0.03 U (4/7/2022) | (0.018 - 0.03)/(10 - 1) | -0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(11 - 1) | -0.00104 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(12 - 1) | -0.000945455 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(3 - 2) | 0 |
| ND<0.03 U (2/13/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(4 - 2) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(5 - 2) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(6 - 2) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(7 - 2) | -0.0032 |
| 0.017 (1/10/2024) | ND<0.03 U (8/3/2022) | (0.017 - 0.03)/(8 - 2) | -0.00216667 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(9 - 2) | 0 |
| 0.018 (9/16/2024) | ND<0.03 U (8/3/2022) | (0.018 - 0.03)/(10 - 2) | -0.0015 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/3/2022) | (0.0196 - 0.03)/(11 - 2) | -0.00115556 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (8/3/2022) | (0.0196 - 0.03)/(12 - 2) | -0.00104 |
| | | | |
| ND<0.03 U (2/13/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(4 - 3) | 0 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(5 - 3) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(6 - 3) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(7 - 3) | -0.004 |
| 0.017 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.017 - 0.03)/(8 - 3) | -0.0026 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(9 - 3) | 0 |
| 0.018 (9/16/2024) | ND<0.03 U (11/16/2022) | (0.018 - 0.03)/(10 - 3) | -0.00171429 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(11 - 3) | -0.0013 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(12 - 3) | -0.00115556 |
| | | | |
| ND<0.014 U (5/24/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(5 - 4) | -0.016 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (2/13/2023) | (0.03 - 0.03)/(6 - 4) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (2/13/2023) | (0.014 - 0.03)/(7 - 4) | -0.00533333 |
| 0.017 (1/10/2024) | ND<0.03 U (2/13/2023) | (0.017 - 0.03)/(8 - 4) | -0.00325 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (2/13/2023) | (0.03 - 0.03)/(9 - 4) | 0 |
| 0.018 (9/16/2024) | ND<0.03 U (2/13/2023) | (0.018 - 0.03)/(10 - 4) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (2/13/2023) | (0.0196 - 0.03)/(11 - 4) | -0.00148571 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (2/13/2023) | (0.0196 - 0.03)/(12 - 4) | -0.0013 |
| | | | |
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/24/2023) | (0.03 - 0.014)/(6 - 5) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/24/2023) | (0.014 - 0.014)/(7 - 5) | 0 |
| 0.017 (1/10/2024) | ND<0.014 U (5/24/2023) | (0.017 - 0.014)/(8 - 5) | 0.001 |
| ND<0.03 U (5/20/2024) | ND<0.014 U (5/24/2023) | (0.03 - 0.014)/(9 - 5) | 0.004 |
| 0.018 (9/16/2024) | ND<0.014 U (5/24/2023) | (0.018 - 0.014)/(10 - 5) | 0.0008 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/24/2023) | (0.0196 - 0.014)/(11 - 5) | 0.000933333 |

| | | | |
|---|---|---|---|
| ND<0.0196 U (2/18/2025) | ND<0.014 U (5/24/2023) | (0.0196 - 0.014)/(12 - 5) | 0.0008 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(7 - 6) | -0.016 |
| 0.017 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.017 - 0.03)/(8 - 6) | -0.0065 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(9 - 6) | 0 |
| 0.018 (9/16/2024) | ND<0.03 U (8/7/2023) | (0.018 - 0.03)/(10 - 6) | -0.003 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(11 - 6) | -0.00208 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(12 - 6) | -0.00173333 |
| 0.017 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.017 - 0.014)/(8 - 7) | 0.003 |
| ND<0.03 U (5/20/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(9 - 7) | 0.008 |
| 0.018 (9/16/2024) | ND<0.014 U (12/12/2023) | (0.018 - 0.014)/(10 - 7) | 0.00133333 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(11 - 7) | 0.0014 |
| ND<0.0196 U (2/18/2025) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(12 - 7) | 0.00112 |
| ND<0.03 U (5/20/2024) | 0.017 (1/10/2024) | (0.03 - 0.017)/(9 - 8) | 0.013 |
| 0.018 (9/16/2024) | 0.017 (1/10/2024) | (0.018 - 0.017)/(10 - 8) | 0.0005 |
| ND<0.0196 U (12/11/2024) | 0.017 (1/10/2024) | (0.0196 - 0.017)/(11 - 8) | 0.000866667 |
| ND<0.0196 U (2/18/2025) | 0.017 (1/10/2024) | (0.0196 - 0.017)/(12 - 8) | 0.00065 |
| 0.018 (9/16/2024) | ND<0.03 U (5/20/2024) | (0.018 - 0.03)/(10 - 9) | -0.012 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/20/2024) | (0.0196 - 0.03)/(11 - 9) | -0.0052 |
| ND<0.0196 U (2/18/2025) | ND<0.03 U (5/20/2024) | (0.0196 - 0.03)/(12 - 9) | -0.00346667 |
| ND<0.0196 U (12/11/2024) | 0.018 (9/16/2024) | (0.0196 - 0.018)/(11 - 10) | 0.0016 |
| ND<0.0196 U (2/18/2025) | 0.018 (9/16/2024) | (0.0196 - 0.018)/(12 - 10) | 0.0008 |
| ND<0.0196 U (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.0196 - 0.0196)/(12 - 11) | 0 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.016 |
| 2 | -0.016 |
| 3 | -0.012 |
| 4 | -0.008 |
| 5 | -0.0065 |
| 6 | -0.00533333 |
| 7 | -0.00533333 |
| 8 | -0.0052 |
| 9 | -0.004 |
| 10 | -0.004 |
| 11 | -0.00346667 |
| 12 | -0.00325 |
| 13 | -0.0032 |
| 14 | -0.003 |
| 15 | -0.00266667 |
| 16 | -0.0026 |
| 17 | -0.00216667 |
| 18 | -0.00208 |
| 19 | -0.002 |
| 20 | -0.00185714 |
| 21 | -0.00173333 |
| 22 | -0.00171429 |
| 23 | -0.0015 |

| | |
|---|---|
| 24 | -0.00148571 |
| 25 | -0.00133333 |
| 26 | -0.0013 |
| 27 | -0.0013 |
| 28 | -0.00115556 |
| 29 | -0.00115556 |
| 30 | -0.00104 |
| 31 | -0.00104 |
| 32 | -0.000945455 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 0 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |
| 46 | 0 |
| 47 | 0 |
| 48 | 0 |
| 49 | 0 |
| 50 | 0.0005 |
| 51 | 0.00065 |
| 52 | 0.0008 |
| 53 | 0.0008 |
| 54 | 0.0008 |
| 55 | 0.000866667 |
| 56 | 0.000933333 |
| 57 | 0.001 |
| 58 | 0.00112 |
| 59 | 0.00133333 |
| 60 | 0.0014 |
| 61 | 0.0016 |
| 62 | 0.003 |
| 63 | 0.004 |
| 64 | 0.008 |
| 65 | 0.013 |
| 66 | 0.016 |

Sen's Estimator (Median Q) is 0

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 6 |
| 2 | 0.014 | 2 |
| 3 | 0.0196 | 2 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |

| | |
|---|---|
| 12/12/2023 | 1 |
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 546
B = 0
C = 120
D = 0
E = 34
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 182.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 22.2106
M1 = (66 - 22.2106)/2.0 = 21.8947
M2 = (66 + 22.2106)/2.0 + 1 = 45.1053
Lower limit is -0.00171429 = Q(22)
Upper limit is 0 = Q(45)
-0.00171429 < 0 < 0 indicating no trend in data.

## Sen's Slope Analysis
### Parameter: Ortho-phosphate
### Location: SME 9
**Original Data (Not Transformed)**
**Non-Detects Replaced with Detection Limit**

90% Confidence Level

| Xj | Xk | (Xj - Xk)/(j-k) | Q |
|---|---|---|---|
| ND<0.03 U (8/3/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(2 - 1) | 0 |
| ND<0.03 U (11/16/2022) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(3 - 1) | 0 |
| 0.09 (2/13/2023) | ND<0.03 U (4/7/2022) | (0.09 - 0.03)/(4 - 1) | 0.02 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(5 - 1) | -0.004 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(6 - 1) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(7 - 1) | -0.00266667 |
| 0.016 (1/10/2024) | ND<0.03 U (4/7/2022) | (0.016 - 0.03)/(8 - 1) | -0.002 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (4/7/2022) | (0.03 - 0.03)/(9 - 1) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (4/7/2022) | (0.014 - 0.03)/(10 - 1) | -0.00177778 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (4/7/2022) | (0.0196 - 0.03)/(11 - 1) | -0.00104 |
| 0.023 (2/18/2025) | ND<0.03 U (4/7/2022) | (0.023 - 0.03)/(12 - 1) | -0.000636364 |
| | | | |
| ND<0.03 U (11/16/2022) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(3 - 2) | 0 |
| 0.09 (2/13/2023) | ND<0.03 U (8/3/2022) | (0.09 - 0.03)/(4 - 2) | 0.03 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(5 - 2) | -0.00533333 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(6 - 2) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(7 - 2) | -0.0032 |
| 0.016 (1/10/2024) | ND<0.03 U (8/3/2022) | (0.016 - 0.03)/(8 - 2) | -0.00233333 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (8/3/2022) | (0.03 - 0.03)/(9 - 2) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/3/2022) | (0.014 - 0.03)/(10 - 2) | -0.002 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/3/2022) | (0.0196 - 0.03)/(11 - 2) | -0.00115556 |
| 0.023 (2/18/2025) | ND<0.03 U (8/3/2022) | (0.023 - 0.03)/(12 - 2) | -0.0007 |
| | | | |
| 0.09 (2/13/2023) | ND<0.03 U (11/16/2022) | (0.09 - 0.03)/(4 - 3) | 0.06 |
| ND<0.014 U (5/24/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(5 - 3) | -0.008 |
| ND<0.03 U (8/7/2023) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(6 - 3) | 0 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(7 - 3) | -0.004 |
| 0.016 (1/10/2024) | ND<0.03 U (11/16/2022) | (0.016 - 0.03)/(8 - 3) | -0.0028 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (11/16/2022) | (0.03 - 0.03)/(9 - 3) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (11/16/2022) | (0.014 - 0.03)/(10 - 3) | -0.00228571 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (11/16/2022) | (0.0196 - 0.03)/(11 - 3) | -0.0013 |
| 0.023 (2/18/2025) | ND<0.03 U (11/16/2022) | (0.023 - 0.03)/(12 - 3) | -0.000777778 |
| | | | |
| ND<0.014 U (5/24/2023) | 0.09 (2/13/2023) | (0.014 - 0.09)/(5 - 4) | -0.076 |
| ND<0.03 U (8/7/2023) | 0.09 (2/13/2023) | (0.03 - 0.09)/(6 - 4) | -0.03 |
| ND<0.014 U (12/12/2023) | 0.09 (2/13/2023) | (0.014 - 0.09)/(7 - 4) | -0.0253333 |
| 0.016 (1/10/2024) | 0.09 (2/13/2023) | (0.016 - 0.09)/(8 - 4) | -0.0185 |
| ND<0.03 U (5/20/2024) | 0.09 (2/13/2023) | (0.03 - 0.09)/(9 - 4) | -0.012 |
| ND<0.014 U (9/16/2024) | 0.09 (2/13/2023) | (0.014 - 0.09)/(10 - 4) | -0.0126667 |
| ND<0.0196 U (12/11/2024) | 0.09 (2/13/2023) | (0.0196 - 0.09)/(11 - 4) | -0.0100571 |
| 0.023 (2/18/2025) | 0.09 (2/13/2023) | (0.023 - 0.09)/(12 - 4) | -0.008375 |
| | | | |
| ND<0.03 U (8/7/2023) | ND<0.014 U (5/24/2023) | (0.03 - 0.014)/(6 - 5) | 0.016 |
| ND<0.014 U (12/12/2023) | ND<0.014 U (5/24/2023) | (0.014 - 0.014)/(7 - 5) | 0 |
| 0.016 (1/10/2024) | ND<0.014 U (5/24/2023) | (0.016 - 0.014)/(8 - 5) | 0.000666667 |
| ND<0.03 U (5/20/2024) | ND<0.014 U (5/24/2023) | (0.03 - 0.014)/(9 - 5) | 0.004 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (5/24/2023) | (0.014 - 0.014)/(10 - 5) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (5/24/2023) | (0.0196 - 0.014)/(11 - 5) | 0.000933333 |

| | | | |
|---|---|---|---|
| 0.023 (2/18/2025) | ND<0.014 U (5/24/2023) | (0.023 - 0.014)/(12 - 5) | 0.00128571 |
| ND<0.014 U (12/12/2023) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(7 - 6) | -0.016 |
| 0.016 (1/10/2024) | ND<0.03 U (8/7/2023) | (0.016 - 0.03)/(8 - 6) | -0.007 |
| ND<0.03 U (5/20/2024) | ND<0.03 U (8/7/2023) | (0.03 - 0.03)/(9 - 6) | 0 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (8/7/2023) | (0.014 - 0.03)/(10 - 6) | -0.004 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (8/7/2023) | (0.0196 - 0.03)/(11 - 6) | -0.00208 |
| 0.023 (2/18/2025) | ND<0.03 U (8/7/2023) | (0.023 - 0.03)/(12 - 6) | -0.00116667 |
| 0.016 (1/10/2024) | ND<0.014 U (12/12/2023) | (0.016 - 0.014)/(8 - 7) | 0.002 |
| ND<0.03 U (5/20/2024) | ND<0.014 U (12/12/2023) | (0.03 - 0.014)/(9 - 7) | 0.008 |
| ND<0.014 U (9/16/2024) | ND<0.014 U (12/12/2023) | (0.014 - 0.014)/(10 - 7) | 0 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (12/12/2023) | (0.0196 - 0.014)/(11 - 7) | 0.0014 |
| 0.023 (2/18/2025) | ND<0.014 U (12/12/2023) | (0.023 - 0.014)/(12 - 7) | 0.0018 |
| ND<0.03 U (5/20/2024) | 0.016 (1/10/2024) | (0.03 - 0.016)/(9 - 8) | 0.014 |
| ND<0.014 U (9/16/2024) | 0.016 (1/10/2024) | (0.014 - 0.016)/(10 - 8) | -0.001 |
| ND<0.0196 U (12/11/2024) | 0.016 (1/10/2024) | (0.0196 - 0.016)/(11 - 8) | 0.0012 |
| 0.023 (2/18/2025) | 0.016 (1/10/2024) | (0.023 - 0.016)/(12 - 8) | 0.00175 |
| ND<0.014 U (9/16/2024) | ND<0.03 U (5/20/2024) | (0.014 - 0.03)/(10 - 9) | -0.016 |
| ND<0.0196 U (12/11/2024) | ND<0.03 U (5/20/2024) | (0.0196 - 0.03)/(11 - 9) | -0.0052 |
| 0.023 (2/18/2025) | ND<0.03 U (5/20/2024) | (0.023 - 0.03)/(12 - 9) | -0.00233333 |
| ND<0.0196 U (12/11/2024) | ND<0.014 U (9/16/2024) | (0.0196 - 0.014)/(11 - 10) | 0.0056 |
| 0.023 (2/18/2025) | ND<0.014 U (9/16/2024) | (0.023 - 0.014)/(12 - 10) | 0.0045 |
| 0.023 (2/18/2025) | ND<0.0196 U (12/11/2024) | (0.023 - 0.0196)/(12 - 11) | 0.0034 |

Number of Q values = 66

## Ordered Q Values

| n | Q |
|---|---|
| 1 | -0.076 |
| 2 | -0.03 |
| 3 | -0.0253333 |
| 4 | -0.0185 |
| 5 | -0.016 |
| 6 | -0.016 |
| 7 | -0.0126667 |
| 8 | -0.012 |
| 9 | -0.0100571 |
| 10 | -0.008375 |
| 11 | -0.008 |
| 12 | -0.007 |
| 13 | -0.00533333 |
| 14 | -0.0052 |
| 15 | -0.004 |
| 16 | -0.004 |
| 17 | -0.004 |
| 18 | -0.0032 |
| 19 | -0.0028 |
| 20 | -0.00266667 |
| 21 | -0.00233333 |
| 22 | -0.00233333 |
| 23 | -0.00228571 |

| | |
|---|---|
| 24 | -0.00208 |
| 25 | -0.002 |
| 26 | -0.002 |
| 27 | -0.00177778 |
| 28 | -0.0013 |
| 29 | -0.00116667 |
| 30 | -0.00115556 |
| 31 | -0.00104 |
| 32 | -0.001 |
| 33 | -0.000777778 |
| 34 | -0.0007 |
| 35 | -0.000636364 |
| 36 | 0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 0 |
| 40 | 0 |
| 41 | 0 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 0 |
| 46 | 0 |
| 47 | 0 |
| 48 | 0 |
| 49 | 0.000666667 |
| 50 | 0.000933333 |
| 51 | 0.0012 |
| 52 | 0.00128571 |
| 53 | 0.0014 |
| 54 | 0.00175 |
| 55 | 0.0018 |
| 56 | 0.002 |
| 57 | 0.0034 |
| 58 | 0.004 |
| 59 | 0.0045 |
| 60 | 0.0056 |
| 61 | 0.008 |
| 62 | 0.014 |
| 63 | 0.016 |
| 64 | 0.02 |
| 65 | 0.03 |
| 66 | 0.06 |

Sen's Estimator (Median Q) is -0.000738889

| Tied Group | Value | Members |
|---|---|---|
| 1 | 0.03 | 5 |
| 2 | 0.014 | 3 |

| Time Period | Observations |
|---|---|
| 4/7/2022 | 1 |
| 8/3/2022 | 1 |
| 11/16/2022 | 1 |
| 2/13/2023 | 1 |
| 5/24/2023 | 1 |
| 8/7/2023 | 1 |
| 12/12/2023 | 1 |

| | |
|---|---|
| 1/10/2024 | 1 |
| 5/20/2024 | 1 |
| 9/16/2024 | 1 |
| 12/11/2024 | 1 |
| 2/18/2025 | 1 |

There are 0 time periods with multiple data

---

A = 366
B = 0
C = 66
D = 0
E = 26
F = 0
a = 3828
b = 11880
c = 264
Group Variance = 192.333
For 90% confidence interval (two-tailed), Z at (1-0.9)/2 = 1.64485
C = 22.8115
M1 = (66 - 22.8115)/2.0 = 21.5942
M2 = (66 + 22.8115)/2.0 + 1 = 45.4058
Lower limit is -0.00233333 = Q(22)
Upper limit is 0 = Q(45)
-0.00233333 < 0 < 0 indicating no trend in data.

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| AT 5 | 3/12/2013 | 20 | 57 |
| | 5/8/2013 | 19 | 52 |
| | 9/23/2013 | 22 | 63 |
| | 12/10/2013 | 64 | 91 |
| | 2/6/2014 | 32 | 78 |
| | 6/26/2014 | 19 | 53 |
| | 9/30/2014 | 14 | 28 |
| | 11/19/2014 | 27 | 72 |
| | 3/23/2015 | 15 | 34 |
| | 4/22/2015 | 76 | 95 |
| | 9/30/2015 | 16.4 | 41 |
| | 11/19/2015 | 74.6 | 94 |
| | 3/15/2016 | 26.7 | 71 |
| | 6/29/2016 | 14.5 | 32 |
| | 8/9/2016 | 18.3 | 49 |
| | 12/7/2016 | 16.9 | 42 |
| | 3/2/2017 | 44.6 | 87 |
| | 6/21/2017 | 70 | 93 |
| | 8/17/2017 | 12 | 19 |
| | 10/26/2017 | 9.4 | 9 |
| | 3/27/2018 | 15.9 | 38 |
| | 6/26/2018 | 25.2 | 70 |
| | 8/1/2018 | 107 | 97 |
| | 12/11/2018 | 46.2 | 88 |
| | 4/17/2019 | 14.4 | 31 |
| | 6/11/2019 | 15.9 | 39 |
| | 8/28/2019 | 23.5 | 69 |
| | 10/28/2019 | 17 | 44 |
| | 3/31/2020 | 27.1 | 73 |
| | 6/10/2020 | 22.8 | 64 |
| | 6/10/2020 | 22.8 | 65 |
| | 9/21/2020 | 11.3 | 15 |
| | 12/17/2020 | 18.6 | 51 |
| | 3/18/2021 | 55.6 | 90 |
| | 5/5/2021 | 43.7 | 86 |
| | 9/2/2021 | 67.4 | 92 |
| | 11/23/2021 | 2.6 | 1 |
| | 1/10/2022 | 29.7 | 75 |
| | 4/7/2022 | 33.8 | 79 |
| | 8/3/2022 | 30.8 | 76 |
| | 11/16/2022 | 7.3 | 5 |
| | 2/13/2023 | 38 | 85 |
| | 5/24/2023 | 20 | 58 |
| | 8/7/2023 | 12.4 | 21 |
| | 12/12/2023 | 10.9 | 13 |

| | | | |
|---|---|---|---|
| | 1/10/2024 | 220 | 99 |
| | 5/20/2024 | 11.6 | 18 |
| | 9/16/2024 | 12 | 20 |
| | 12/11/2024 | 7.8 | 6 |
| | 2/18/2025 | 36.6 | 84 |
| SME 1 | 3/12/2013 | 16 | 40 |
| | 5/8/2013 | 14 | 29 |
| | 9/23/2013 | 15 | 35 |
| | 12/10/2013 | 21 | 62 |
| | 2/6/2014 | 23 | 66 |
| | 6/26/2014 | 13 | 25 |
| | 9/30/2014 | 34 | 80 |
| | 11/19/2014 | 19 | 54 |
| | 3/23/2015 | 14 | 30 |
| | 4/22/2015 | 18 | 48 |
| | 9/30/2015 | 15.3 | 37 |
| | 11/19/2015 | 23.2 | 67 |
| | 3/15/2016 | 17.7 | 46 |
| | 6/29/2016 | 20.3 | 60 |
| | 8/9/2016 | 12.6 | 22 |
| | 12/7/2016 | 17.7 | 47 |
| | 3/2/2017 | 15 | 36 |
| | 6/29/2017 | 18.3 | 50 |
| | 8/16/2017 | 12.7 | 23 |
| | 10/25/2017 | 16.9 | 43 |
| | 3/28/2018 | 19.8 | 56 |
| | 6/29/2018 | 23.3 | 68 |
| | 8/2/2018 | 29.5 | 74 |
| | 12/10/2018 | 31 | 77 |
| | 4/15/2019 | 35 | 82 |
| | 6/12/2019 | 9.7 | 10 |
| | 8/27/2019 | 7.1 | 3 |
| | 10/29/2019 | 11 | 14 |
| | 3/30/2020 | 13.3 | 26 |
| | 6/16/2020 | 11.4 | 17 |
| | 9/21/2020 | 9 | 8 |
| | 12/17/2020 | 20.9 | 61 |
| | 3/18/2021 | 90.4 | 96 |
| | 5/5/2021 | 34 | 81 |
| | 9/2/2021 | 35.8 | 83 |
| | 11/23/2021 | 12.7 | 24 |
| | 1/11/2022 | 17 | 45 |
| | 4/7/2022 | 140 | 98 |
| | 8/2/2022 | 6.3 | 2 |
| | 11/16/2022 | 7.9 | 7 |
| | 2/14/2023 | 11.3 | 16 |
| | 5/25/2023 | 10.6 | 12 |
| | 8/7/2023 | 13.9 | 27 |
| | 12/12/2023 | 10.4 | 11 |
| | 1/10/2024 | 53 | 89 |
| | 5/21/2024 | 14.6 | 33 |
| | 9/16/2024 | 7.11 | 4 |
| | 12/11/2024 | 19.4 | 55 |
| | 2/18/2025 | 20.1 | 59 |

The Wilcoxon Statistic is 913
The Expected value is is 1225
The Standard Deviation is 142.887
The Z Score is -2.18704
The Standard Deviation adjusted for ties is 142.887
The Z Score adjusted for ties is -2.18704
-2.18704 < 2.326 indicating no statistical significance at 1% level
-2.18704 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SME 1**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 27
Non detect rank is 14

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| AT 5 | 3/12/2013 | 0.37 | 50 |
| | 5/8/2013 | 0.56 | 78 |
| | 9/23/2013 | 0.37 | 51 |
| | 12/10/2013 | 0.97 | 95 |
| | 2/6/2014 | 0.35 | 45 |
| | 6/26/2014 | 0.38 | 52 |
| | 9/30/2014 | ND<0.25 U | 14 |
| | 11/19/2014 | 0.5 | 66 |
| | 3/23/2015 | 0.27 | 28 |
| | 4/22/2015 | ND<0.25 U | 14 |
| | 9/30/2015 | ND<0.25 U | 14 |
| | 11/19/2015 | 1.47 | 98 |
| | 3/15/2016 | 0.77 | 91 |
| | 6/29/2016 | ND<0.25 U | 14 |
| | 8/9/2016 | 0.27 | 29 |
| | 12/7/2016 | ND<0.25 U | 14 |
| | 3/2/2017 | 0.53 | 70 |
| | 6/21/2017 | 0.54 | 72 |
| | 8/17/2017 | 0.69 | 86 |
| | 10/26/2017 | ND<0.25 U | 14 |
| | 3/27/2018 | ND<0.25 U | 14 |
| | 6/26/2018 | 0.411 | 57 |
| | 8/1/2018 | 0.68 | 85 |
| | 12/11/2018 | 0.579 | 79 |
| | 4/17/2019 | ND<0.25 U | 14 |
| | 6/11/2019 | 0.486 | 64 |
| | 8/28/2019 | 1.07 | 96 |
| | 10/28/2019 | ND<0.25 U | 14 |
| | 3/31/2020 | ND<0.25 U | 14 |
| | 6/10/2020 | ND<0.25 U | 14 |
| | 6/10/2020 | ND<0.25 U | 14 |
| | 9/21/2020 | ND<0.25 U | 14 |
| | 12/17/2020 | ND<0.25 U | 14 |
| | 3/18/2021 | ND<0.25 U | 14 |
| | 5/5/2021 | 1.37 | 97 |
| | 9/2/2021 | 0.969 | 94 |
| | 11/23/2021 | ND<0.25 U | 14 |
| | 1/10/2022 | 0.279 | 31 |
| | 4/7/2022 | 0.38 | 53 |
| | 8/3/2022 | 0.702 | 89 |
| | 11/16/2022 | ND<0.25 U | 14 |
| | 2/13/2023 | 0.301 | 37 |
| | 5/24/2023 | 0.331 | 41 |
| | 8/7/2023 | 0.291 | 35 |
| | 12/12/2023 | 0.329 | 40 |

| | | | |
|---|---|---|---|
| | 1/10/2024 | 0.732 | 90 |
| | 5/20/2024 | ND<0.25 U | 14 |
| | 9/16/2024 | 0.473 | 62 |
| | 12/11/2024 | 0.526 | 69 |
| | 2/18/2025 | ND<0.131 U | 14 |
| SME 1 | 3/12/2013 | 0.34 | 44 |
| | 5/8/2013 | 0.42 | 59 |
| | 9/23/2013 | 0.8 | 92 |
| | 12/10/2013 | 0.47 | 61 |
| | 2/6/2014 | 0.5 | 67 |
| | 6/26/2014 | 0.31 | 39 |
| | 9/30/2014 | 0.61 | 82 |
| | 11/19/2014 | 0.55 | 75 |
| | 3/23/2015 | ND<0.25 U | 14 |
| | 4/22/2015 | 0.38 | 54 |
| | 9/30/2015 | 0.81 | 93 |
| | 11/19/2015 | ND<0.25 U | 14 |
| | 3/15/2016 | ND<0.25 U | 14 |
| | 6/29/2016 | 0.62 | 83 |
| | 8/9/2016 | 0.55 | 76 |
| | 12/7/2016 | 0.38 | 55 |
| | 3/2/2017 | 0.35 | 46 |
| | 6/29/2017 | 0.53 | 71 |
| | 8/16/2017 | 0.52 | 68 |
| | 10/25/2017 | 0.29 | 34 |
| | 3/28/2018 | ND<0.25 U | 14 |
| | 6/29/2018 | 0.67 | 84 |
| | 8/2/2018 | 0.495 | 65 |
| | 12/10/2018 | 0.336 | 43 |
| | 4/15/2019 | 0.36 | 49 |
| | 6/12/2019 | ND<0.25 U | 14 |
| | 8/27/2019 | 0.356 | 48 |
| | 10/29/2019 | 0.272 | 30 |
| | 3/30/2020 | ND<0.25 U | 14 |
| | 6/16/2020 | 0.485 | 63 |
| | 9/21/2020 | ND<0.25 U | 14 |
| | 12/17/2020 | 0.3 | 36 |
| | 3/18/2021 | 0.58 | 80 |
| | 5/5/2021 | 0.402 | 56 |
| | 9/2/2021 | 0.353 | 47 |
| | 11/23/2021 | ND<0.25 U | 14 |
| | 1/11/2022 | 1.8 | 99 |
| | 4/7/2022 | 0.544 | 74 |
| | 8/2/2022 | 0.281 | 32 |
| | 11/16/2022 | 0.306 | 38 |
| | 2/14/2023 | 0.281 | 33 |
| | 5/25/2023 | 0.694 | 87 |
| | 8/7/2023 | 0.552 | 77 |
| | 12/12/2023 | 0.434 | 60 |
| | 1/10/2024 | 0.542 | 73 |
| | 5/21/2024 | 0.597 | 81 |
| | 9/16/2024 | 0.699 | 88 |
| | 12/11/2024 | 0.334 | 42 |
| | 2/18/2025 | 0.416 | 58 |

The Wilcoxon Statistic is 1429
The Expected value is is 1225
The Standard Deviation is 142.887
The Z Score is 1.4242
The Standard Deviation adjusted for ties is 141.432
The Z Score adjusted for ties is 1.43885
1.4242 < 2.326 indicating no statistical significance at 1% level
1.43885 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 18
Non detect rank is 9.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| AT 5 | 3/12/2013 | 0.61 | 55 |
| | 5/8/2013 | 0.31 | 27 |
| | 9/23/2013 | 1.3 | 94 |
| | 12/10/2013 | 0.79 | 76 |
| | 2/6/2014 | 0.8 | 77 |
| | 6/26/2014 | 0.77 | 74 |
| | 9/30/2014 | 0.94 | 87 |
| | 11/19/2014 | 1.3 | 95 |
| | 3/23/2015 | 0.71 | 69 |
| | 4/22/2015 | 0.69 | 65 |
| | 9/30/2015 | 1.82 | 97 |
| | 11/19/2015 | 0.67 | 63 |
| | 3/15/2016 | 0.58 | 53 |
| | 6/29/2016 | 0.8 | 78 |
| | 8/9/2016 | 0.98 | 89 |
| | 12/7/2016 | 0.66 | 61 |
| | 3/2/2017 | 1.08 | 92 |
| | 6/21/2017 | 0.62 | 56 |
| | 8/17/2017 | 0.89 | 86 |
| | 10/26/2017 | 0.94 | 88 |
| | 3/27/2018 | 0.849 | 84 |
| | 6/26/2018 | 0.849 | 85 |
| | 8/1/2018 | 0.51 | 45 |
| | 12/11/2018 | 1.09 | 93 |
| | 4/17/2019 | 0.638 | 58 |
| | 6/11/2019 | 0.822 | 79 |
| | 8/28/2019 | 0.534 | 48 |
| | 10/28/2019 | 0.665 | 62 |
| | 3/31/2020 | 0.657 | 60 |
| | 6/10/2020 | 0.825 | 80 |
| | 6/10/2020 | 0.825 | 81 |
| | 9/21/2020 | 0.603 | 54 |
| | 12/17/2020 | 0.831 | 82 |
| | 3/18/2021 | 0.31 | 28 |
| | 5/5/2021 | 6.86 | 98 |
| | 9/2/2021 | 0.482 | 43 |
| | 11/23/2021 | 0.343 | 31 |
| | 1/10/2022 | 0.769 | 73 |
| | 4/7/2022 | 0.509 | 44 |
| | 8/3/2022 | 0.715 | 70 |
| | 11/16/2022 | 0.366 | 32 |
| | 2/13/2023 | 0.699 | 68 |
| | 5/24/2023 | 0.697 | 67 |
| | 8/7/2023 | 0.832 | 83 |
| | 12/12/2023 | 0.696 | 66 |

| | | | |
|---|---|---|---|
| | 1/10/2024 | 0.642 | 59 |
| | 5/20/2024 | 0.737 | 71 |
| | 9/16/2024 | 1.68 | 96 |
| | 12/11/2024 | 1.07 | 91 |
| | 2/18/2025 | 1.05 | 90 |
| SME 1 | 3/12/2013 | 0.54 | 49 |
| | 5/8/2013 | 0.15 | 22 |
| | 9/23/2013 | ND<0.1 U | 9.5 |
| | 12/10/2013 | 0.55 | 50 |
| | 2/6/2014 | 0.55 | 51 |
| | 6/26/2014 | ND<0.1 U | 9.5 |
| | 9/30/2014 | ND<0.1 U | 9.5 |
| | 11/19/2014 | 0.74 | 72 |
| | 3/23/2015 | 0.51 | 46 |
| | 4/22/2015 | 0.4 | 35 |
| | 9/30/2015 | ND<0.1 U | 9.5 |
| | 11/19/2015 | 0.4 | 36 |
| | 3/15/2016 | 0.45 | 40 |
| | 6/29/2016 | ND<0.1 U | 9.5 |
| | 8/9/2016 | ND<0.1 U | 9.5 |
| | 12/7/2016 | 0.41 | 38 |
| | 3/2/2017 | 0.67 | 64 |
| | 6/29/2017 | ND<0.1 U | 9.5 |
| | 8/16/2017 | ND<0.1 U | 9.5 |
| | 10/25/2017 | 0.4 | 37 |
| | 3/28/2018 | 0.633 | 57 |
| | 6/29/2018 | 0.312 | 29 |
| | 8/2/2018 | 0.296 | 26 |
| | 12/10/2018 | 0.259 | 24 |
| | 4/15/2019 | 0.39 | 34 |
| | 6/12/2019 | ND<0.1 U | 9.5 |
| | 8/27/2019 | ND<0.1 U | 9.5 |
| | 10/29/2019 | 0.129 | 21 |
| | 3/30/2020 | 0.462 | 42 |
| | 6/16/2020 | 0.1 U | 19 |
| | 9/21/2020 | ND<0.1 U | 9.5 |
| | 12/17/2020 | 0.577 | 52 |
| | 3/18/2021 | 0.263 | 25 |
| | 5/5/2021 | 0.122 | 20 |
| | 9/2/2021 | 0.458 | 41 |
| | 11/23/2021 | ND<0.1 U | 9.5 |
| | 1/11/2022 | 8.2 | 99 |
| | 4/7/2022 | 0.431 | 39 |
| | 8/2/2022 | ND<0.1 U | 9.5 |
| | 11/16/2022 | ND<0.1 U | 9.5 |
| | 2/14/2023 | 0.372 | 33 |
| | 5/25/2023 | ND<0.05 U | 9.5 |
| | 8/7/2023 | ND<0.1 U | 9.5 |
| | 12/12/2023 | 0.172 | 23 |
| | 1/10/2024 | 0.511 | 47 |
| | 5/21/2024 | ND<0.1 U | 9.5 |
| | 9/16/2024 | ND<0.05 U | 9.5 |
| | 12/11/2024 | 0.327 | 30 |
| | 2/18/2025 | 0.776 | 75 |

The Wilcoxon Statistic is 222
The Expected value is is 1225
The Standard Deviation is 142.887
The Z Score is -7.02304
The Standard Deviation adjusted for ties is 142.458
The Z Score adjusted for ties is -7.04418
-7.02304 < 2.326 indicating no statistical significance at 1% level
-7.04418 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 21
Non detect rank is 11

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| AT 5 | 3/12/2013 | 0.14 | 42 |
| | 5/8/2013 | 0.11 | 29 |
| | 9/23/2013 | 0.35 | 81 |
| | 12/10/2013 | 0.34 | 80 |
| | 2/6/2014 | 0.13 | 37 |
| | 6/26/2014 | 0.28 | 73 |
| | 9/30/2014 | 0.54 | 94 |
| | 11/19/2014 | 0.39 | 84 |
| | 3/23/2015 | 0.14 | 43 |
| | 4/22/2015 | 0.13 | 38 |
| | 9/30/2015 | 0.86 | 99 |
| | 11/19/2015 | 0.31 | 78 |
| | 3/15/2016 | ND<0.1 U | 11 |
| | 6/29/2016 | 0.71 | 96 |
| | 8/9/2016 | 0.5 | 93 |
| | 12/7/2016 | 0.47 | 89 |
| | 3/2/2017 | 0.37 | 82 |
| | 6/21/2017 | 0.37 | 83 |
| | 8/17/2017 | 0.28 | 74 |
| | 10/26/2017 | 0.25 | 64 |
| | 3/27/2018 | 0.148 | 46 |
| | 6/26/2018 | 0.246 | 63 |
| | 8/1/2018 | 0.401 | 86 |
| | 12/11/2018 | 0.204 | 56 |
| | 4/17/2019 | ND<0.1 U | 11 |
| | 6/11/2019 | 0.29 | 76 |
| | 8/28/2019 | 0.485 | 90 |
| | 10/28/2019 | 0.499 | 92 |
| | 3/31/2020 | 0.102 | 27 |
| | 6/10/2020 | 0.243 | 61 |
| | 6/10/2020 | 0.243 | 62 |
| | 9/21/2020 | 0.399 | 85 |
| | 12/17/2020 | ND<0.1 U | 11 |
| | 3/18/2021 | ND<0.1 U | 11 |
| | 5/5/2021 | 0.157 | 49 |
| | 9/2/2021 | 0.262 | 69 |
| | 11/23/2021 | 0.253 | 66 |
| | 1/10/2022 | 0.184 | 54 |
| | 4/7/2022 | 0.121 | 35 |
| | 8/3/2022 | 0.323 | 79 |
| | 11/16/2022 | 0.42 | 87 |
| | 2/13/2023 | ND<0.1 U | 11 |
| | 5/24/2023 | 0.182 | 53 |
| | 8/7/2023 | 0.43 | 88 |
| | 12/12/2023 | 0.782 | 98 |

| | | | |
|---|---|---|---|
| | 1/10/2024 | 0.498 | 91 |
| | 5/20/2024 | 0.192 | 55 |
| | 9/16/2024 | 0.74 | 97 |
| | 12/11/2024 | 0.549 | 95 |
| | 2/18/2025 | 0.233 | 59 |
| SME 1 | 3/12/2013 | 0.11 | 30 |
| | 5/8/2013 | ND<0.1 U | 11 |
| | 9/23/2013 | ND<0.1 U | 11 |
| | 12/10/2013 | 0.26 | 68 |
| | 2/6/2014 | 0.13 | 39 |
| | 6/26/2014 | ND<0.1 U | 11 |
| | 9/30/2014 | 0.11 | 31 |
| | 11/19/2014 | 0.29 | 77 |
| | 3/23/2015 | 0.1 | 24 |
| | 4/22/2015 | ND<0.1 U | 11 |
| | 9/30/2015 | 0.14 | 44 |
| | 11/19/2015 | 0.13 | 40 |
| | 3/15/2016 | ND<0.1 U | 11 |
| | 6/29/2016 | 0.25 | 65 |
| | 8/9/2016 | 0.15 | 47 |
| | 12/7/2016 | 0.27 | 72 |
| | 3/2/2017 | 0.21 | 57 |
| | 6/29/2017 | ND<0.1 U | 11 |
| | 8/16/2017 | 0.11 | 32 |
| | 10/25/2017 | 0.15 | 48 |
| | 3/28/2018 | ND<0.1 U | 11 |
| | 6/29/2018 | 0.24 | 60 |
| | 8/2/2018 | 0.14 | 45 |
| | 12/10/2018 | ND<0.1 U | 11 |
| | 4/15/2019 | ND<0.1 U | 11 |
| | 6/12/2019 | ND<0.1 U | 11 |
| | 8/27/2019 | 0.161 | 50 |
| | 10/29/2019 | 0.134 | 41 |
| | 3/30/2020 | ND<0.1 U | 11 |
| | 6/16/2020 | 0.129 | 36 |
| | 9/21/2020 | ND<0.1 U | 11 |
| | 12/17/2020 | ND<0.1 U | 11 |
| | 3/18/2021 | 0.112 | 33 |
| | 5/5/2021 | 0.1 U | 25 |
| | 9/2/2021 | 0.218 | 58 |
| | 11/23/2021 | 0.165 | 51 |
| | 1/11/2022 | ND<0.1 U | 11 |
| | 4/7/2022 | 0.255 | 67 |
| | 8/2/2022 | ND<0.1 U | 11 |
| | 11/16/2022 | 0.1 U | 26 |
| | 2/14/2023 | ND<0.1 U | 11 |
| | 5/25/2023 | 0.0961 | 23 |
| | 8/7/2023 | 0.17 | 52 |
| | 12/12/2023 | 0.262 | 70 |
| | 1/10/2024 | 0.264 | 71 |
| | 5/21/2024 | 0.112 | 34 |
| | 9/16/2024 | 0.0871 | 22 |
| | 12/11/2024 | 0.282 | 75 |
| | 2/18/2025 | 0.106 | 28 |

The Wilcoxon Statistic is 492
The Expected value is is 1225
The Standard Deviation is 142.887
The Z Score is -5.13343
The Standard Deviation adjusted for ties is 142.205
The Z Score adjusted for ties is -5.15805
-5.13343 < 2.326 indicating no statistical significance at 1% level
-5.15805 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 16
Non detect rank is 8.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| AT 5 | 3/12/2013 | 0.15 | 61 |
| | 5/8/2013 | 0.099 | 43 |
| | 9/23/2013 | 0.4 | 86 |
| | 12/10/2013 | 0.29 | 82 |
| | 2/6/2014 | 0.13 | 57 |
| | 6/26/2014 | 0.34 | 84 |
| | 9/30/2014 | 0.49 | 92 |
| | 11/19/2014 | 0.41 | 88 |
| | 3/23/2015 | 0.13 | 58 |
| | 4/22/2015 | 0.11 | 47 |
| | 9/30/2015 | 0.664 | 98 |
| | 11/19/2015 | 0.261 | 77 |
| | 3/15/2016 | 0.068 | 34 |
| | 6/29/2016 | 0.598 | 97 |
| | 8/9/2016 | 0.482 | 91 |
| | 12/7/2016 | 0.45 | 90 |
| | 3/2/2017 | 0.267 | 78 |
| | 6/21/2017 | 0.226 | 71 |
| | 8/17/2017 | 0.258 | 76 |
| | 10/26/2017 | 0.226 | 72 |
| | 3/27/2018 | 0.162 | 62 |
| | 6/26/2018 | 0.23 | 73 |
| | 8/1/2018 | 0.285 | 81 |
| | 12/11/2018 | 0.066 | 32 |
| | 4/17/2019 | 0.061 | 29 |
| | 6/11/2019 | 0.206 | 66 |
| | 8/28/2019 | 0.404 | 87 |
| | 10/28/2019 | 0.523 | 95 |
| | 3/31/2020 | 0.032 | 19 |
| | 6/10/2020 | 0.248 | 74 |
| | 6/10/2020 | 0.248 | 75 |
| | 9/21/2020 | 0.491 | 93 |
| | 12/17/2020 | 0.087 | 41 |
| | 3/18/2021 | 0.05 | 25 |
| | 5/5/2021 | 0.121 | 51 |
| | 9/2/2021 | 0.131 | 59 |
| | 11/23/2021 | ND<0.03 U | 8.5 |
| | 1/10/2022 | 0.126 | 54 |
| | 4/7/2022 | 0.101 | 44 |
| | 8/3/2022 | 0.271 | 80 |
| | 11/16/2022 | 0.448 | 89 |
| | 2/13/2023 | 0.081 | 38 |
| | 5/24/2023 | 0.127 | 55 |
| | 8/7/2023 | 0.373 | 85 |
| | 12/12/2023 | 0.752 | 99 |

| | | | |
|---|---|---|---|
| | 1/10/2024 | 0.299 | 83 |
| | 5/20/2024 | 0.12 | 50 |
| | 9/16/2024 | 0.57 | 96 |
| | 12/11/2024 | 0.499 | 94 |
| | 2/18/2025 | 0.108 | 46 |
| SME 1 | 3/12/2013 | 0.11 | 48 |
| | 5/8/2013 | 0.063 | 30 |
| | 9/23/2013 | 0.053 | 27 |
| | 12/10/2013 | 0.21 | 68 |
| | 2/6/2014 | 0.11 | 49 |
| | 6/26/2014 | ND<0.025 U | 8.5 |
| | 9/30/2014 | 0.044 | 22 |
| | 11/19/2014 | 0.27 | 79 |
| | 3/23/2015 | 0.073 | 36 |
| | 4/22/2015 | 0.039 | 20 |
| | 9/30/2015 | 0.052 | 26 |
| | 11/19/2015 | 0.084 | 39 |
| | 3/15/2016 | 0.047 | 23 |
| | 6/29/2016 | 0.18 | 63 |
| | 8/9/2016 | 0.089 | 42 |
| | 12/7/2016 | 0.209 | 67 |
| | 3/2/2017 | 0.127 | 56 |
| | 6/29/2017 | 0.028 | 17 |
| | 8/16/2017 | ND<0.025 U | 8.5 |
| | 10/25/2017 | 0.121 | 52 |
| | 3/28/2018 | 0.106 | 45 |
| | 6/29/2018 | 0.121 | 53 |
| | 8/2/2018 | 0.145 | 60 |
| | 12/10/2018 | ND<0.025 U | 8.5 |
| | 4/15/2019 | 0.063 | 31 |
| | 6/12/2019 | ND<0.025 U | 8.5 |
| | 8/27/2019 | ND<0.025 U | 8.5 |
| | 10/29/2019 | 0.049 | 24 |
| | 3/30/2020 | ND<0.025 U | 8.5 |
| | 6/16/2020 | 0.031 | 18 |
| | 9/21/2020 | ND<0.03 U | 8.5 |
| | 12/17/2020 | 0.072 | 35 |
| | 3/18/2021 | ND<0.03 U | 8.5 |
| | 5/5/2021 | ND<0.03 U | 8.5 |
| | 9/2/2021 | 0.19 | 64 |
| | 11/23/2021 | 0.076 | 37 |
| | 1/11/2022 | 0.054 | 28 |
| | 4/7/2022 | 0.192 | 65 |
| | 8/2/2022 | ND<0.03 U | 8.5 |
| | 11/16/2022 | ND<0.03 U | 8.5 |
| | 2/14/2023 | ND<0.03 U | 8.5 |
| | 5/25/2023 | 0.043 | 21 |
| | 8/7/2023 | 0.067 | 33 |
| | 12/12/2023 | 0.219 | 69 |
| | 1/10/2024 | 0.224 | 70 |
| | 5/21/2024 | ND<0.03 U | 8.5 |
| | 9/16/2024 | ND<0.014 U | 8.5 |
| | 12/11/2024 | ND<0.0196 U | 8.5 |
| | 2/18/2025 | 0.085 | 40 |

The Wilcoxon Statistic is 359.5
The Expected value is is 1225
The Standard Deviation is 142.887
The Z Score is -6.06074
The Standard Deviation adjusted for ties is 142.586
The Z Score adjusted for ties is -6.07352
-6.06074 < 2.326 indicating no statistical significance at 1% level
-6.07352 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 4
Non detect rank is 2.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| HB 3 | 3/12/2013 | 49 | 57 |
| | 5/20/2013 | 17 | 23 |
| | 9/23/2013 | 19 | 27 |
| | 12/10/2013 | 20 | 29 |
| | 2/6/2014 | 13 | 20 |
| | 6/26/2014 | 12 | 17 |
| | 9/30/2014 | 30 | 46 |
| | 11/19/2014 | 51 | 58 |
| | 3/23/2015 | 35 | 51 |
| | 4/22/2015 | 22 | 36 |
| | 9/30/2015 | 23 | 37 |
| | 11/19/2015 | 30.2 | 48 |
| | 3/15/2016 | 23.8 | 41 |
| | 6/29/2016 | 20.9 | 33 |
| | 8/9/2016 | 14.3 | 21 |
| | 12/7/2016 | 17 | 24 |
| | 3/2/2017 | 57.1 | 60 |
| | 7/5/2017 | 28.5 | 43 |
| | 8/16/2017 | 12.7 | 19 |
| | 10/25/2017 | 20.4 | 31 |
| | 3/28/2018 | 20.2 | 30 |
| | 6/29/2018 | 18.2 | 26 |
| | 8/2/2018 | 35.3 | 53 |
| | 12/10/2018 | 27.6 | 42 |
| | 4/15/2019 | 35.5 | 54 |
| | 6/12/2019 | 52.3 | 59 |
| | 8/27/2019 | 7.3 | 12 |
| | 10/29/2019 | 17.6 | 25 |
| | 3/30/2020 | 19 | 28 |
| | 6/16/2020 | 14.6 | 22 |
| | 9/21/2020 | 8.3 | 14 |
| | 12/17/2020 | 20.4 | 32 |
| | 3/18/2021 | 23 | 38 |
| | 5/5/2021 | 35.1 | 52 |
| | 9/2/2021 | 23.6 | 39 |
| | 11/23/2021 | 10.5 | 15 |
| | 1/11/2022 | 23.6 | 40 |
| | 4/7/2022 | 21 | 34 |
| | 8/2/2022 | 33.7 | 50 |
| | 11/16/2022 | 7.4 | 13 |
| | 2/14/2023 | 11.6 | 16 |
| | 5/25/2023 | 21.7 | 35 |
| | 8/7/2023 | 6.8 | 11 |
| | 12/12/2023 | 36.8 | 55 |
| | 1/10/2024 | 31.7 | 49 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 28.6 | 45 |
| | 9/16/2024 | 12.2 | 18 |
| | 12/11/2024 | 30 | 47 |
| | 2/18/2025 | 45.7 | 56 |
| SME 9 | 4/7/2022 | 2.9 | 7 |
| | 8/3/2022 | ND<2.5 U | 2.5 |
| | 11/16/2022 | ND<2.5 U | 2.5 |
| | 2/13/2023 | 2.6 | 5 |
| | 5/24/2023 | 59 | 61 |
| | 8/7/2023 | 5.6 | 9 |
| | 12/12/2023 | ND<2.5 U | 2.5 |
| | 1/10/2024 | 4.7 | 8 |
| | 5/20/2024 | 2.8 | 6 |
| | 9/16/2024 | ND<5 U | 2.5 |
| | 12/11/2024 | 6.49 | 10 |
| | 2/18/2025 | 28.5 | 44 |

The Wilcoxon Statistic is 82
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is -3.85536
The Standard Deviation adjusted for ties is 55.1108
The Z Score adjusted for ties is -3.85587
-3.85536 < 2.326 indicating no statistical significance at 1% level
-3.85587 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 9
Non detect rank is 5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| HB 3 | 3/12/2013 | 0.83 | 55 |
| | 5/20/2013 | 0.6 | 41 |
| | 9/23/2013 | 0.6 | 42 |
| | 12/10/2013 | 0.62 | 44 |
| | 2/6/2014 | 0.37 | 20 |
| | 6/26/2014 | 0.37 | 21 |
| | 9/30/2014 | 0.48 | 31 |
| | 11/19/2014 | 0.44 | 25 |
| | 3/23/2015 | 0.46 | 28 |
| | 4/22/2015 | 0.66 | 47 |
| | 9/30/2015 | 0.91 | 57 |
| | 11/19/2015 | ND<0.25 U | 5 |
| | 3/15/2016 | ND<0.25 U | 5 |
| | 6/29/2016 | 0.51 | 33 |
| | 8/9/2016 | 0.7 | 50 |
| | 12/7/2016 | 0.73 | 51 |
| | 3/2/2017 | 0.97 | 59 |
| | 7/5/2017 | 0.81 | 54 |
| | 8/16/2017 | 0.76 | 52 |
| | 10/25/2017 | 0.32 | 15 |
| | 3/28/2018 | ND<0.25 U | 5 |
| | 6/29/2018 | 0.464 | 29 |
| | 8/2/2018 | 0.952 | 58 |
| | 12/10/2018 | 0.426 | 24 |
| | 4/15/2019 | ND<0.25 U | 5 |
| | 6/12/2019 | ND<0.25 U | 5 |
| | 8/27/2019 | 0.634 | 45 |
| | 10/29/2019 | 0.517 | 34 |
| | 3/30/2020 | 0.452 | 26 |
| | 6/16/2020 | 0.299 | 13 |
| | 9/21/2020 | 0.279 | 12 |
| | 12/17/2020 | 0.588 | 40 |
| | 3/18/2021 | 0.252 | 10 |
| | 5/5/2021 | ND<0.25 U | 5 |
| | 9/2/2021 | 0.689 | 49 |
| | 11/23/2021 | ND<0.25 U | 5 |
| | 1/11/2022 | 0.55 | 36 |
| | 4/7/2022 | 0.329 | 16 |
| | 8/2/2022 | 0.273 | 11 |
| | 11/16/2022 | 0.604 | 43 |
| | 2/14/2023 | 0.471 | 30 |
| | 5/25/2023 | 0.502 | 32 |
| | 8/7/2023 | 0.578 | 37 |
| | 12/12/2023 | 0.383 | 23 |
| | 1/10/2024 | 0.305 | 14 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 0.357 | 19 |
| | 9/16/2024 | 0.637 | 46 |
| | 12/11/2024 | 0.352 | 18 |
| | 2/18/2025 | 0.373 | 22 |
| SME 9 | 4/7/2022 | 0.529 | 35 |
| | 8/3/2022 | 0.582 | 39 |
| | 11/16/2022 | ND<0.25 U | 5 |
| | 2/13/2023 | 0.783 | 53 |
| | 5/24/2023 | 0.66 | 48 |
| | 8/7/2023 | 1.36 | 60 |
| | 12/12/2023 | 0.345 | 17 |
| | 1/10/2024 | 1.87 | 61 |
| | 5/20/2024 | ND<0.25 U | 5 |
| | 9/16/2024 | 0.58 | 38 |
| | 12/11/2024 | 0.454 | 27 |
| | 2/18/2025 | 0.833 | 56 |

The Wilcoxon Statistic is 366
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is 1.29722
The Standard Deviation adjusted for ties is 55.0305
The Z Score adjusted for ties is 1.29928
1.29722 < 2.326 indicating no statistical significance at 1% level
1.29928 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SME 9**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 28
Non detect rank is 14.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| HB 3 | 3/12/2013 | 0.19 | 42 |
| | 5/20/2013 | 0.17 | 41 |
| | 9/23/2013 | ND<0.1 U | 14.5 |
| | 12/10/2013 | ND<0.1 U | 14.5 |
| | 2/6/2014 | 0.48 | 61 |
| | 6/26/2014 | ND<0.1 U | 14.5 |
| | 9/30/2014 | ND<0.1 U | 14.5 |
| | 11/19/2014 | 0.11 | 34 |
| | 3/23/2015 | 0.26 | 50 |
| | 4/22/2015 | 0.2 | 44 |
| | 9/30/2015 | ND<0.1 U | 14.5 |
| | 11/19/2015 | 0.38 | 59 |
| | 3/15/2016 | 0.3 | 52 |
| | 6/29/2016 | ND<0.1 U | 14.5 |
| | 8/9/2016 | ND<0.1 U | 14.5 |
| | 12/7/2016 | 0.11 | 35 |
| | 3/2/2017 | 0.33 | 53 |
| | 7/5/2017 | ND<0.1 U | 14.5 |
| | 8/16/2017 | ND<0.1 U | 14.5 |
| | 10/25/2017 | ND<0.1 U | 14.5 |
| | 3/28/2018 | 0.359 | 56 |
| | 6/29/2018 | ND<0.1 U | 14.5 |
| | 8/2/2018 | ND<0.1 U | 14.5 |
| | 12/10/2018 | 0.363 | 57 |
| | 4/15/2019 | 0.233 | 49 |
| | 6/12/2019 | 0.129 | 38 |
| | 8/27/2019 | ND<0.1 U | 14.5 |
| | 10/29/2019 | ND<0.1 U | 14.5 |
| | 3/30/2020 | 0.23 | 48 |
| | 6/16/2020 | ND<0.1 U | 14.5 |
| | 9/21/2020 | ND<0.1 U | 14.5 |
| | 12/17/2020 | 0.195 | 43 |
| | 3/18/2021 | 0.369 | 58 |
| | 5/5/2021 | 0.207 | 47 |
| | 9/2/2021 | ND<0.1 U | 14.5 |
| | 11/23/2021 | 0.137 | 39 |
| | 1/11/2022 | 0.2 | 45 |
| | 4/7/2022 | 0.268 | 51 |
| | 8/2/2022 | ND<0.1 U | 14.5 |
| | 11/16/2022 | ND<0.1 U | 14.5 |
| | 2/14/2023 | 0.414 | 60 |
| | 5/25/2023 | 0.0574 | 29 |
| | 8/7/2023 | ND<0.1 U | 14.5 |
| | 12/12/2023 | 0.126 | 37 |
| | 1/10/2024 | 0.354 | 55 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 0.08 | 30 |
| | 9/16/2024 | ND<0.05 U | 14.5 |
| | 12/11/2024 | 0.202 | 46 |
| | 2/18/2025 | 0.349 | 54 |
| SME 9 | 4/7/2022 | ND<0.1 U | 14.5 |
| | 8/3/2022 | 0.1 U | 32 |
| | 11/16/2022 | ND<0.1 U | 14.5 |
| | 2/13/2023 | ND<0.1 U | 14.5 |
| | 5/24/2023 | ND<0.05 U | 14.5 |
| | 8/7/2023 | ND<0.1 U | 14.5 |
| | 12/12/2023 | ND<0.05 U | 14.5 |
| | 1/10/2024 | 0.152 | 40 |
| | 5/20/2024 | 0.09 | 31 |
| | 9/16/2024 | ND<0.05 U | 14.5 |
| | 12/11/2024 | 0.123 | 36 |
| | 2/18/2025 | 0.106 | 33 |

The Wilcoxon Statistic is 195.5
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is -1.79614
The Standard Deviation adjusted for ties is 52.3878
The Z Score adjusted for ties is -1.88975
-1.79614 < 2.326 indicating no statistical significance at 1% level
-1.88975 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 37
Non detect rank is 19

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| HB 3 | 3/12/2013 | ND<0.1 U | 19 |
| | 5/20/2013 | ND<0.1 U | 19 |
| | 9/23/2013 | ND<0.1 U | 19 |
| | 12/10/2013 | 0.15 | 57 |
| | 2/6/2014 | ND<0.1 U | 19 |
| | 6/26/2014 | ND<0.1 U | 19 |
| | 9/30/2014 | ND<0.1 U | 19 |
| | 11/19/2014 | 0.12 | 52 |
| | 3/23/2015 | ND<0.1 U | 19 |
| | 4/22/2015 | ND<0.1 U | 19 |
| | 9/30/2015 | ND<0.1 U | 19 |
| | 11/19/2015 | ND<0.1 U | 19 |
| | 3/15/2016 | ND<0.1 U | 19 |
| | 6/29/2016 | ND<0.1 U | 19 |
| | 8/9/2016 | ND<0.1 U | 19 |
| | 12/7/2016 | 0.13 | 54 |
| | 3/2/2017 | 0.12 | 53 |
| | 7/5/2017 | ND<0.1 U | 19 |
| | 8/16/2017 | ND<0.1 U | 19 |
| | 10/25/2017 | ND<0.1 U | 19 |
| | 3/28/2018 | ND<0.1 U | 19 |
| | 6/29/2018 | ND<0.1 U | 19 |
| | 8/2/2018 | ND<0.1 U | 19 |
| | 12/10/2018 | 0.141 | 56 |
| | 4/15/2019 | ND<0.1 U | 19 |
| | 6/12/2019 | ND<0.1 U | 19 |
| | 8/27/2019 | 0.179 | 60 |
| | 10/29/2019 | 0.166 | 58 |
| | 3/30/2020 | 0.166 | 59 |
| | 6/16/2020 | ND<0.1 U | 19 |
| | 9/21/2020 | ND<0.1 U | 19 |
| | 12/17/2020 | ND<0.1 U | 19 |
| | 3/18/2021 | ND<0.1 U | 19 |
| | 5/5/2021 | ND<0.1 U | 19 |
| | 9/2/2021 | ND<0.1 U | 19 |
| | 11/23/2021 | ND<0.1 U | 19 |
| | 1/11/2022 | ND<0.1 U | 19 |
| | 4/7/2022 | ND<0.1 U | 19 |
| | 8/2/2022 | ND<0.1 U | 19 |
| | 11/16/2022 | ND<0.1 U | 19 |
| | 2/14/2023 | ND<0.1 U | 19 |
| | 5/25/2023 | 0.0588 | 43 |
| | 8/7/2023 | 0.0895 | 49 |
| | 12/12/2023 | 0.0444 | 41 |
| | 1/10/2024 | 0.0752 | 46 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 0.0557 | 42 |
| | 9/16/2024 | 0.0711 | 45 |
| | 12/11/2024 | 0.452 | 61 |
| | 2/18/2025 | 0.0842 | 47 |
| SME 9 | 4/7/2022 | 0.135 | 55 |
| | 8/3/2022 | ND<0.1 U | 19 |
| | 11/16/2022 | ND<0.1 U | 19 |
| | 2/13/2023 | ND<0.1 U | 19 |
| | 5/24/2023 | ND<0.035 U | 19 |
| | 8/7/2023 | 0.0873 | 48 |
| | 12/12/2023 | 0.0188 | 38 |
| | 1/10/2024 | 0.0388 | 40 |
| | 5/20/2024 | 0.069 | 44 |
| | 9/16/2024 | 0.115 | 51 |
| | 12/11/2024 | 0.022 | 39 |
| | 2/18/2025 | 0.0949 | 50 |

The Wilcoxon Statistic is 363
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is 1.24279
The Standard Deviation adjusted for ties is 48.5835
The Z Score adjusted for ties is 1.40994
1.24279 < 2.326 indicating no statistical significance at 1% level
1.40994 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 49
Non detect rank is 25

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| HB 3 | 3/12/2013 | 0.081 | 57 |
| | 5/20/2013 | ND<0.025 U | 25 |
| | 9/23/2013 | 0.037 | 54 |
| | 12/10/2013 | 0.14 | 61 |
| | 2/6/2014 | 0.03 | 53 |
| | 6/26/2014 | ND<0.025 U | 25 |
| | 9/30/2014 | ND<0.025 U | 25 |
| | 11/19/2014 | 0.098 | 60 |
| | 3/23/2015 | ND<0.025 U | 25 |
| | 4/22/2015 | ND<0.025 U | 25 |
| | 9/30/2015 | ND<0.025 U | 25 |
| | 11/19/2015 | 0.045 | 55 |
| | 3/15/2016 | 0.087 | 58 |
| | 6/29/2016 | ND<0.025 U | 25 |
| | 8/9/2016 | ND<0.025 U | 25 |
| | 12/7/2016 | ND<0.025 U | 25 |
| | 3/2/2017 | ND<0.025 U | 25 |
| | 7/5/2017 | ND<0.025 U | 25 |
| | 8/16/2017 | ND<0.025 U | 25 |
| | 10/25/2017 | ND<0.025 U | 25 |
| | 3/28/2018 | ND<0.025 U | 25 |
| | 6/29/2018 | ND<0.025 U | 25 |
| | 8/2/2018 | ND<0.025 U | 25 |
| | 12/10/2018 | ND<0.025 U | 25 |
| | 4/15/2019 | ND<0.025 U | 25 |
| | 6/12/2019 | ND<0.025 U | 25 |
| | 8/27/2019 | ND<0.025 U | 25 |
| | 10/29/2019 | ND<0.025 U | 25 |
| | 3/30/2020 | ND<0.025 U | 25 |
| | 6/16/2020 | ND<0.03 U | 25 |
| | 9/21/2020 | ND<0.03 U | 25 |
| | 12/17/2020 | ND<0.03 U | 25 |
| | 3/18/2021 | ND<0.03 U | 25 |
| | 5/5/2021 | ND<0.03 U | 25 |
| | 9/2/2021 | ND<0.03 U | 25 |
| | 11/23/2021 | ND<0.03 U | 25 |
| | 1/11/2022 | ND<0.03 U | 25 |
| | 4/7/2022 | ND<0.03 U | 25 |
| | 8/2/2022 | ND<0.03 U | 25 |
| | 11/16/2022 | ND<0.03 U | 25 |
| | 2/14/2023 | ND<0.03 U | 25 |
| | 5/25/2023 | ND<0.014 U | 25 |
| | 8/7/2023 | ND<0.03 U | 25 |
| | 12/12/2023 | ND<0.014 U | 25 |
| | 1/10/2024 | 0.025 | 52 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | ND<0.03 U | 25 |
| | 9/16/2024 | ND<0.014 U | 25 |
| | 12/11/2024 | ND<0.0196 U | 25 |
| | 2/18/2025 | 0.048 | 56 |
| SME 9 | 4/7/2022 | ND<0.03 U | 25 |
| | 8/3/2022 | ND<0.03 U | 25 |
| | 11/16/2022 | ND<0.03 U | 25 |
| | 2/13/2023 | 0.09 | 59 |
| | 5/24/2023 | ND<0.014 U | 25 |
| | 8/7/2023 | ND<0.03 U | 25 |
| | 12/12/2023 | ND<0.014 U | 25 |
| | 1/10/2024 | 0.016 | 50 |
| | 5/20/2024 | ND<0.03 U | 25 |
| | 9/16/2024 | ND<0.014 U | 25 |
| | 12/11/2024 | ND<0.0196 U | 25 |
| | 2/18/2025 | 0.023 | 51 |

The Wilcoxon Statistic is 307
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is 0.226786
The Standard Deviation adjusted for ties is 38.2567
The Z Score adjusted for ties is 0.32674
0.226786 < 2.326 indicating no statistical significance at 1% level
0.32674 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 1 | 3/12/2013 | 16 | 65 |
| | 5/8/2013 | 14 | 55 |
| | 9/23/2013 | 15 | 60 |
| | 12/10/2013 | 21 | 82 |
| | 2/6/2014 | 23 | 83 |
| | 6/26/2014 | 13 | 49 |
| | 9/30/2014 | 34 | 89 |
| | 11/19/2014 | 19 | 75 |
| | 3/23/2015 | 14 | 56 |
| | 4/22/2015 | 18 | 71 |
| | 9/30/2015 | 15.3 | 63 |
| | 11/19/2015 | 23.2 | 84 |
| | 3/15/2016 | 17.7 | 69 |
| | 6/29/2016 | 20.3 | 80 |
| | 8/9/2016 | 12.6 | 46 |
| | 12/7/2016 | 17.7 | 70 |
| | 3/2/2017 | 15 | 61 |
| | 6/29/2017 | 18.3 | 74 |
| | 8/16/2017 | 12.7 | 47 |
| | 10/25/2017 | 16.9 | 66 |
| | 3/28/2018 | 19.8 | 78 |
| | 6/29/2018 | 23.3 | 85 |
| | 8/2/2018 | 29.5 | 87 |
| | 12/10/2018 | 31 | 88 |
| | 4/15/2019 | 35 | 91 |
| | 6/12/2019 | 9.7 | 30 |
| | 8/27/2019 | 7.1 | 22 |
| | 10/29/2019 | 11 | 37 |
| | 3/30/2020 | 13.3 | 51 |
| | 6/16/2020 | 11.4 | 40 |
| | 9/21/2020 | 9 | 27 |
| | 12/17/2020 | 20.9 | 81 |
| | 3/18/2021 | 90.4 | 97 |
| | 5/5/2021 | 34 | 90 |
| | 9/2/2021 | 35.8 | 92 |
| | 11/23/2021 | 12.7 | 48 |
| | 1/11/2022 | 17 | 67 |
| | 4/7/2022 | 140 | 98 |
| | 8/2/2022 | 6.3 | 18 |
| | 11/16/2022 | 7.9 | 25 |
| | 2/14/2023 | 11.3 | 39 |
| | 5/25/2023 | 10.6 | 34 |
| | 8/7/2023 | 13.9 | 54 |
| | 12/12/2023 | 10.4 | 33 |
| | 1/10/2024 | 53 | 93 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 14.6 | 59 |
| | 9/16/2024 | 7.11 | 23 |
| | 12/11/2024 | 19.4 | 77 |
| | 2/18/2025 | 20.1 | 79 |
| RC 2 | 3/12/2013 | 14 | 57 |
| | 5/8/2013 | 12 | 43 |
| | 9/23/2013 | 6.3 | 19 |
| | 12/10/2013 | 10 | 32 |
| | 2/6/2014 | 9.6 | 29 |
| | 6/26/2014 | 7.2 | 24 |
| | 9/30/2014 | 2.5 | 2 |
| | 11/19/2014 | 11 | 38 |
| | 3/23/2015 | 18 | 72 |
| | 4/22/2015 | 4.8 | 7 |
| | 9/30/2015 | 4.6 | 6 |
| | 11/19/2015 | 14.4 | 58 |
| | 3/15/2016 | 6 | 15 |
| | 6/29/2016 | 10.9 | 36 |
| | 8/9/2016 | 9.9 | 31 |
| | 12/7/2016 | 11.9 | 42 |
| | 3/2/2017 | 8 | 26 |
| | 6/21/2017 | 12.3 | 44 |
| | 8/17/2017 | 72.2 | 94 |
| | 10/26/2017 | 17.5 | 68 |
| | 3/27/2018 | 12.5 | 45 |
| | 6/26/2018 | 13 | 50 |
| | 8/1/2018 | 84.4 | 95 |
| | 12/11/2018 | 3.1 | 3 |
| | 4/17/2019 | ND<5 U | 1 |
| | 6/11/2019 | 5.2 | 10 |
| | 8/28/2019 | 4.8 | 8 |
| | 10/28/2019 | 3.4 | 4 |
| | 3/31/2020 | 90 | 96 |
| | 6/10/2020 | 10.8 | 35 |
| | 9/21/2020 | 5.2 | 11 |
| | 12/17/2020 | 5.4 | 14 |
| | 3/18/2021 | 26.8 | 86 |
| | 5/5/2021 | 15.6 | 64 |
| | 9/2/2021 | 3.4 | 5 |
| | 11/23/2021 | 19.2 | 76 |
| | 1/10/2022 | 9 | 28 |
| | 4/7/2022 | 5 | 9 |
| | 8/3/2022 | 13.8 | 53 |
| | 11/16/2022 | 13.4 | 52 |
| | 2/13/2023 | 5.3 | 12 |
| | 5/24/2023 | 5.3 | 13 |
| | 8/7/2023 | 6.2 | 17 |
| | 12/12/2023 | 6.6 | 21 |
| | 1/10/2024 | 15.2 | 62 |
| | 5/20/2024 | 11.7 | 41 |
| | 9/16/2024 | 6.13 | 16 |
| | 12/11/2024 | 18.2 | 73 |
| | 2/18/2025 | 6.4 | 20 |

The Wilcoxon Statistic is 538

The Expected value is is 1200.5
The Standard Deviation is 140.742
The Z Score is -4.71075
The Standard Deviation adjusted for ties is 140.742
The Z Score adjusted for ties is -4.71075
-4.71075 < 2.326 indicating no statistical significance at 1% level
-4.71075 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: RC 2**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 13
Non detect rank is 7

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 1 | 3/12/2013 | 0.34 | 26 |
| | 5/8/2013 | 0.42 | 41 |
| | 9/23/2013 | 0.8 | 90 |
| | 12/10/2013 | 0.47 | 52 |
| | 2/6/2014 | 0.5 | 56 |
| | 6/26/2014 | 0.31 | 22 |
| | 9/30/2014 | 0.61 | 77 |
| | 11/19/2014 | 0.55 | 69 |
| | 3/23/2015 | ND<0.25 U | 7 |
| | 4/22/2015 | 0.38 | 34 |
| | 9/30/2015 | 0.81 | 93 |
| | 11/19/2015 | ND<0.25 U | 7 |
| | 3/15/2016 | ND<0.25 U | 7 |
| | 6/29/2016 | 0.62 | 79 |
| | 8/9/2016 | 0.55 | 70 |
| | 12/7/2016 | 0.38 | 35 |
| | 3/2/2017 | 0.35 | 28 |
| | 6/29/2017 | 0.53 | 64 |
| | 8/16/2017 | 0.52 | 62 |
| | 10/25/2017 | 0.29 | 19 |
| | 3/28/2018 | ND<0.25 U | 7 |
| | 6/29/2018 | 0.67 | 82 |
| | 8/2/2018 | 0.495 | 55 |
| | 12/10/2018 | 0.336 | 25 |
| | 4/15/2019 | 0.36 | 33 |
| | 6/12/2019 | ND<0.25 U | 7 |
| | 8/27/2019 | 0.356 | 32 |
| | 10/29/2019 | 0.272 | 15 |
| | 3/30/2020 | ND<0.25 U | 7 |
| | 6/16/2020 | 0.485 | 54 |
| | 9/21/2020 | ND<0.25 U | 7 |
| | 12/17/2020 | 0.3 | 20 |
| | 3/18/2021 | 0.58 | 75 |
| | 5/5/2021 | 0.402 | 39 |
| | 9/2/2021 | 0.353 | 31 |
| | 11/23/2021 | ND<0.25 U | 7 |
| | 1/11/2022 | 1.8 | 97 |
| | 4/7/2022 | 0.544 | 68 |
| | 8/2/2022 | 0.281 | 16 |
| | 11/16/2022 | 0.306 | 21 |
| | 2/14/2023 | 0.281 | 17 |
| | 5/25/2023 | 0.694 | 84 |
| | 8/7/2023 | 0.552 | 72 |
| | 12/12/2023 | 0.434 | 47 |
| | 1/10/2024 | 0.542 | 67 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 0.597 | 76 |
| | 9/16/2024 | 0.699 | 85 |
| | 12/11/2024 | 0.334 | 24 |
| | 2/18/2025 | 0.416 | 40 |
| RC 2 | 3/12/2013 | 0.75 | 88 |
| | 5/8/2013 | 0.55 | 71 |
| | 9/23/2013 | 0.43 | 43 |
| | 12/10/2013 | 0.54 | 66 |
| | 2/6/2014 | 0.43 | 44 |
| | 6/26/2014 | 0.44 | 49 |
| | 9/30/2014 | 0.4 | 38 |
| | 11/19/2014 | 0.43 | 45 |
| | 3/23/2015 | 0.81 | 94 |
| | 4/22/2015 | ND<0.25 U | 7 |
| | 9/30/2015 | ND<0.25 U | 7 |
| | 11/19/2015 | 0.75 | 89 |
| | 3/15/2016 | 0.43 | 46 |
| | 6/29/2016 | 0.35 | 29 |
| | 8/9/2016 | 0.45 | 50 |
| | 12/7/2016 | 0.53 | 65 |
| | 3/2/2017 | 0.45 | 51 |
| | 6/21/2017 | 0.51 | 60 |
| | 8/17/2017 | 0.72 | 86 |
| | 10/26/2017 | 0.27 | 14 |
| | 3/27/2018 | ND<0.25 U | 7 |
| | 6/26/2018 | 0.802 | 91 |
| | 8/1/2018 | 0.506 | 59 |
| | 12/11/2018 | 0.479 | 53 |
| | 4/17/2019 | 0.288 | 18 |
| | 6/11/2019 | 0.52 | 63 |
| | 8/28/2019 | 0.748 | 87 |
| | 10/28/2019 | ND<0.25 U | 7 |
| | 3/31/2020 | 0.574 | 74 |
| | 6/10/2020 | 0.33 | 23 |
| | 9/21/2020 | ND<0.25 U | 7 |
| | 12/17/2020 | 0.396 | 37 |
| | 3/18/2021 | 0.611 | 78 |
| | 5/5/2021 | 0.892 | 96 |
| | 9/2/2021 | 0.802 | 92 |
| | 11/23/2021 | 0.34 | 27 |
| | 1/10/2022 | 0.501 | 57 |
| | 4/7/2022 | 0.386 | 36 |
| | 8/3/2022 | 0.352 | 30 |
| | 11/16/2022 | 0.434 | 48 |
| | 2/13/2023 | 0.636 | 81 |
| | 5/24/2023 | 22.8 | 98 |
| | 8/7/2023 | 0.676 | 83 |
| | 12/12/2023 | 0.634 | 80 |
| | 1/10/2024 | 0.816 | 95 |
| | 5/20/2024 | 0.424 | 42 |
| | 9/16/2024 | 0.502 | 58 |
| | 12/11/2024 | 0.559 | 73 |
| | 2/18/2025 | 0.519 | 61 |

The Wilcoxon Statistic is 1478

The Expected value is is 1200.5
The Standard Deviation is 140.742
The Z Score is 1.96814
The Standard Deviation adjusted for ties is 140.578
The Z Score adjusted for ties is 1.97043
1.96814 < 2.326 indicating no statistical significance at 1% level
1.97043 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 31
Non detect rank is 16

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 1 | 3/12/2013 | 0.54 | 89 |
| | 5/8/2013 | 0.15 | 47 |
| | 9/23/2013 | ND<0.1 U | 16 |
| | 12/10/2013 | 0.55 | 90 |
| | 2/6/2014 | 0.55 | 91 |
| | 6/26/2014 | ND<0.1 U | 16 |
| | 9/30/2014 | ND<0.1 U | 16 |
| | 11/19/2014 | 0.74 | 95 |
| | 3/23/2015 | 0.51 | 86 |
| | 4/22/2015 | 0.4 | 77 |
| | 9/30/2015 | ND<0.1 U | 16 |
| | 11/19/2015 | 0.4 | 78 |
| | 3/15/2016 | 0.45 | 83 |
| | 6/29/2016 | ND<0.1 U | 16 |
| | 8/9/2016 | ND<0.1 U | 16 |
| | 12/7/2016 | 0.41 | 81 |
| | 3/2/2017 | 0.67 | 94 |
| | 6/29/2017 | ND<0.1 U | 16 |
| | 8/16/2017 | ND<0.1 U | 16 |
| | 10/25/2017 | 0.4 | 79 |
| | 3/28/2018 | 0.633 | 93 |
| | 6/29/2018 | 0.312 | 72 |
| | 8/2/2018 | 0.296 | 71 |
| | 12/10/2018 | 0.259 | 65 |
| | 4/15/2019 | 0.39 | 76 |
| | 6/12/2019 | ND<0.1 U | 16 |
| | 8/27/2019 | ND<0.1 U | 16 |
| | 10/29/2019 | 0.129 | 40 |
| | 3/30/2020 | 0.462 | 85 |
| | 6/16/2020 | 0.1 U | 32 |
| | 9/21/2020 | ND<0.1 U | 16 |
| | 12/17/2020 | 0.577 | 92 |
| | 3/18/2021 | 0.263 | 68 |
| | 5/5/2021 | 0.122 | 36 |
| | 9/2/2021 | 0.458 | 84 |
| | 11/23/2021 | ND<0.1 U | 16 |
| | 1/11/2022 | 8.2 | 98 |
| | 4/7/2022 | 0.431 | 82 |
| | 8/2/2022 | ND<0.1 U | 16 |
| | 11/16/2022 | ND<0.1 U | 16 |
| | 2/14/2023 | 0.372 | 75 |
| | 5/25/2023 | ND<0.05 U | 16 |
| | 8/7/2023 | ND<0.1 U | 16 |
| | 12/12/2023 | 0.172 | 54 |
| | 1/10/2024 | 0.511 | 87 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | ND<0.1 U | 16 |
| | 9/16/2024 | ND<0.05 U | 16 |
| | 12/11/2024 | 0.327 | 74 |
| | 2/18/2025 | 0.776 | 96 |
| RC 2 | 3/12/2013 | 0.12 | 35 |
| | 5/8/2013 | 0.19 | 59 |
| | 9/23/2013 | ND<0.1 U | 16 |
| | 12/10/2013 | 0.11 | 34 |
| | 2/6/2014 | 0.26 | 66 |
| | 6/26/2014 | 0.15 | 48 |
| | 9/30/2014 | ND<0.1 U | 16 |
| | 11/19/2014 | 0.17 | 52 |
| | 3/23/2015 | 0.15 | 49 |
| | 4/22/2015 | 0.26 | 67 |
| | 9/30/2015 | ND<0.1 U | 16 |
| | 11/19/2015 | 0.27 | 69 |
| | 3/15/2016 | 0.18 | 56 |
| | 6/29/2016 | ND<0.1 U | 16 |
| | 8/9/2016 | 0.14 | 42 |
| | 12/7/2016 | 0.2 | 61 |
| | 3/2/2017 | 0.17 | 53 |
| | 6/21/2017 | ND<0.1 U | 16 |
| | 8/17/2017 | ND<0.1 U | 16 |
| | 10/26/2017 | ND<0.1 U | 16 |
| | 3/27/2018 | 0.146 | 46 |
| | 6/26/2018 | 0.101 | 33 |
| | 8/1/2018 | ND<0.1 U | 16 |
| | 12/11/2018 | 0.316 | 73 |
| | 4/17/2019 | 0.165 | 50 |
| | 6/11/2019 | ND<0.1 U | 16 |
| | 8/28/2019 | ND<0.1 U | 16 |
| | 10/28/2019 | 0.132 | 41 |
| | 3/31/2020 | 0.19 | 60 |
| | 6/10/2020 | 0.21 | 62 |
| | 9/21/2020 | ND<0.1 U | 16 |
| | 12/17/2020 | 0.218 | 63 |
| | 3/18/2021 | 0.145 | 45 |
| | 5/5/2021 | 7.91 | 97 |
| | 9/2/2021 | 0.122 | 37 |
| | 11/23/2021 | 0.124 | 38 |
| | 1/10/2022 | 0.185 | 57 |
| | 4/7/2022 | 0.186 | 58 |
| | 8/3/2022 | 0.175 | 55 |
| | 11/16/2022 | 0.126 | 39 |
| | 2/13/2023 | 0.273 | 70 |
| | 5/24/2023 | 0.142 | 43 |
| | 8/7/2023 | ND<0.1 U | 16 |
| | 12/12/2023 | 0.166 | 51 |
| | 1/10/2024 | 0.511 | 88 |
| | 5/20/2024 | 0.142 | 44 |
| | 9/16/2024 | ND<0.05 U | 16 |
| | 12/11/2024 | 0.248 | 64 |
| | 2/18/2025 | 0.405 | 80 |

The Wilcoxon Statistic is 968

The Expected value is is 1200.5
The Standard Deviation is 140.742
The Z Score is -1.65551
The Standard Deviation adjusted for ties is 138.499
The Z Score adjusted for ties is -1.68233
-1.65551 < 2.326 indicating no statistical significance at 1% level
-1.68233 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 52
Non detect rank is 26.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 1 | 3/12/2013 | 0.11 | 66 |
| | 5/8/2013 | ND<0.1 U | 26.5 |
| | 9/23/2013 | ND<0.1 U | 26.5 |
| | 12/10/2013 | 0.26 | 93 |
| | 2/6/2014 | 0.13 | 74 |
| | 6/26/2014 | ND<0.1 U | 26.5 |
| | 9/30/2014 | 0.11 | 67 |
| | 11/19/2014 | 0.29 | 98 |
| | 3/23/2015 | 0.1 | 61 |
| | 4/22/2015 | ND<0.1 U | 26.5 |
| | 9/30/2015 | 0.14 | 79 |
| | 11/19/2015 | 0.13 | 75 |
| | 3/15/2016 | ND<0.1 U | 26.5 |
| | 6/29/2016 | 0.25 | 91 |
| | 8/9/2016 | 0.15 | 82 |
| | 12/7/2016 | 0.27 | 96 |
| | 3/2/2017 | 0.21 | 88 |
| | 6/29/2017 | ND<0.1 U | 26.5 |
| | 8/16/2017 | 0.11 | 68 |
| | 10/25/2017 | 0.15 | 83 |
| | 3/28/2018 | ND<0.1 U | 26.5 |
| | 6/29/2018 | 0.24 | 90 |
| | 8/2/2018 | 0.14 | 80 |
| | 12/10/2018 | ND<0.1 U | 26.5 |
| | 4/15/2019 | ND<0.1 U | 26.5 |
| | 6/12/2019 | ND<0.1 U | 26.5 |
| | 8/27/2019 | 0.161 | 84 |
| | 10/29/2019 | 0.134 | 78 |
| | 3/30/2020 | ND<0.1 U | 26.5 |
| | 6/16/2020 | 0.129 | 73 |
| | 9/21/2020 | ND<0.1 U | 26.5 |
| | 12/17/2020 | ND<0.1 U | 26.5 |
| | 3/18/2021 | 0.112 | 69 |
| | 5/5/2021 | 0.1 U | 62 |
| | 9/2/2021 | 0.218 | 89 |
| | 11/23/2021 | 0.165 | 85 |
| | 1/11/2022 | ND<0.1 U | 26.5 |
| | 4/7/2022 | 0.255 | 92 |
| | 8/2/2022 | ND<0.1 U | 26.5 |
| | 11/16/2022 | 0.1 U | 63 |
| | 2/14/2023 | ND<0.1 U | 26.5 |
| | 5/25/2023 | 0.0961 | 60 |
| | 8/7/2023 | 0.17 | 86 |
| | 12/12/2023 | 0.262 | 94 |
| | 1/10/2024 | 0.264 | 95 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | 0.112 | 70 |
| | 9/16/2024 | 0.0871 | 59 |
| | 12/11/2024 | 0.282 | 97 |
| | 2/18/2025 | 0.106 | 64 |
| RC 2 | 3/12/2013 | ND<0.1 U | 26.5 |
| | 5/8/2013 | ND<0.1 U | 26.5 |
| | 9/23/2013 | ND<0.1 U | 26.5 |
| | 12/10/2013 | ND<0.1 U | 26.5 |
| | 2/6/2014 | ND<0.1 U | 26.5 |
| | 6/26/2014 | ND<0.1 U | 26.5 |
| | 9/30/2014 | ND<0.1 U | 26.5 |
| | 11/19/2014 | ND<0.1 U | 26.5 |
| | 3/23/2015 | ND<0.1 U | 26.5 |
| | 4/22/2015 | ND<0.1 U | 26.5 |
| | 9/30/2015 | ND<0.1 U | 26.5 |
| | 11/19/2015 | 0.13 | 76 |
| | 3/15/2016 | ND<0.1 U | 26.5 |
| | 6/29/2016 | ND<0.1 U | 26.5 |
| | 8/9/2016 | ND<0.1 U | 26.5 |
| | 12/7/2016 | ND<0.1 U | 26.5 |
| | 3/2/2017 | ND<0.1 U | 26.5 |
| | 6/21/2017 | ND<0.1 U | 26.5 |
| | 8/17/2017 | 0.13 | 77 |
| | 10/26/2017 | ND<0.1 U | 26.5 |
| | 3/27/2018 | ND<0.1 U | 26.5 |
| | 6/26/2018 | ND<0.1 U | 26.5 |
| | 8/1/2018 | ND<0.1 U | 26.5 |
| | 12/11/2018 | ND<0.1 U | 26.5 |
| | 4/17/2019 | ND<0.1 U | 26.5 |
| | 6/11/2019 | ND<0.1 U | 26.5 |
| | 8/28/2019 | ND<0.1 U | 26.5 |
| | 10/28/2019 | 0.2 | 87 |
| | 3/31/2020 | 0.12 | 71 |
| | 6/10/2020 | ND<0.1 U | 26.5 |
| | 9/21/2020 | ND<0.1 U | 26.5 |
| | 12/17/2020 | ND<0.1 U | 26.5 |
| | 3/18/2021 | ND<0.1 U | 26.5 |
| | 5/5/2021 | ND<0.1 U | 26.5 |
| | 9/2/2021 | ND<0.1 U | 26.5 |
| | 11/23/2021 | ND<0.1 U | 26.5 |
| | 1/10/2022 | ND<0.1 U | 26.5 |
| | 4/7/2022 | 0.144 | 81 |
| | 8/3/2022 | ND<0.1 U | 26.5 |
| | 11/16/2022 | ND<0.1 U | 26.5 |
| | 2/13/2023 | ND<0.1 U | 26.5 |
| | 5/24/2023 | 0.0469 | 55 |
| | 8/7/2023 | 0.0662 | 56 |
| | 12/12/2023 | 0.0448 | 54 |
| | 1/10/2024 | 0.0428 | 53 |
| | 5/20/2024 | 0.0687 | 57 |
| | 9/16/2024 | 0.106 | 65 |
| | 12/11/2024 | 0.083 | 58 |
| | 2/18/2025 | 0.12 | 72 |

The Wilcoxon Statistic is 591

The Expected value is is 1200.5
The Standard Deviation is 140.742
The Z Score is -4.33418
The Standard Deviation adjusted for ties is 129.807
The Z Score adjusted for ties is -4.69929
-4.33418 < 2.326 indicating no statistical significance at 1% level
-4.69929 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 55
Non detect rank is 28

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 1 | 3/12/2013 | 0.11 | 85 |
| | 5/8/2013 | 0.063 | 73 |
| | 9/23/2013 | 0.053 | 69 |
| | 12/10/2013 | 0.21 | 95 |
| | 2/6/2014 | 0.11 | 86 |
| | 6/26/2014 | ND<0.025 U | 28 |
| | 9/30/2014 | 0.044 | 64 |
| | 11/19/2014 | 0.27 | 98 |
| | 3/23/2015 | 0.073 | 77 |
| | 4/22/2015 | 0.039 | 62 |
| | 9/30/2015 | 0.052 | 68 |
| | 11/19/2015 | 0.084 | 80 |
| | 3/15/2016 | 0.047 | 66 |
| | 6/29/2016 | 0.18 | 91 |
| | 8/9/2016 | 0.089 | 83 |
| | 12/7/2016 | 0.209 | 94 |
| | 3/2/2017 | 0.127 | 89 |
| | 6/29/2017 | 0.028 | 59 |
| | 8/16/2017 | ND<0.025 U | 28 |
| | 10/25/2017 | 0.121 | 87 |
| | 3/28/2018 | 0.106 | 84 |
| | 6/29/2018 | 0.121 | 88 |
| | 8/2/2018 | 0.145 | 90 |
| | 12/10/2018 | ND<0.025 U | 28 |
| | 4/15/2019 | 0.063 | 74 |
| | 6/12/2019 | ND<0.025 U | 28 |
| | 8/27/2019 | ND<0.025 U | 28 |
| | 10/29/2019 | 0.049 | 67 |
| | 3/30/2020 | ND<0.025 U | 28 |
| | 6/16/2020 | 0.031 | 61 |
| | 9/21/2020 | ND<0.03 U | 28 |
| | 12/17/2020 | 0.072 | 76 |
| | 3/18/2021 | ND<0.03 U | 28 |
| | 5/5/2021 | ND<0.03 U | 28 |
| | 9/2/2021 | 0.19 | 92 |
| | 11/23/2021 | 0.076 | 78 |
| | 1/11/2022 | 0.054 | 70 |
| | 4/7/2022 | 0.192 | 93 |
| | 8/2/2022 | ND<0.03 U | 28 |
| | 11/16/2022 | ND<0.03 U | 28 |
| | 2/14/2023 | ND<0.03 U | 28 |
| | 5/25/2023 | 0.043 | 63 |
| | 8/7/2023 | 0.067 | 75 |
| | 12/12/2023 | 0.219 | 96 |
| | 1/10/2024 | 0.224 | 97 |

| | | | |
|---|---|---|---|
| | 5/21/2024 | ND<0.03 U | 28 |
| | 9/16/2024 | ND<0.014 U | 28 |
| | 12/11/2024 | ND<0.0196 U | 28 |
| | 2/18/2025 | 0.085 | 81 |
| RC 2 | 3/12/2013 | 0.088 | 82 |
| | 5/8/2013 | ND<0.025 U | 28 |
| | 9/23/2013 | ND<0.025 U | 28 |
| | 12/10/2013 | 0.062 | 72 |
| | 2/6/2014 | ND<0.025 U | 28 |
| | 6/26/2014 | ND<0.025 U | 28 |
| | 9/30/2014 | ND<0.025 U | 28 |
| | 11/19/2014 | ND<0.025 U | 28 |
| | 3/23/2015 | 0.044 | 65 |
| | 4/22/2015 | ND<0.025 U | 28 |
| | 9/30/2015 | ND<0.025 U | 28 |
| | 11/19/2015 | ND<0.025 U | 28 |
| | 3/15/2016 | ND<0.025 U | 28 |
| | 6/29/2016 | 0.077 | 79 |
| | 8/9/2016 | ND<0.025 U | 28 |
| | 12/7/2016 | ND<0.025 U | 28 |
| | 3/2/2017 | ND<0.025 U | 28 |
| | 6/21/2017 | ND<0.025 U | 28 |
| | 8/17/2017 | ND<0.025 U | 28 |
| | 10/26/2017 | ND<0.025 U | 28 |
| | 3/27/2018 | ND<0.025 U | 28 |
| | 6/26/2018 | ND<0.025 U | 28 |
| | 8/1/2018 | ND<0.025 U | 28 |
| | 12/11/2018 | ND<0.025 U | 28 |
| | 4/17/2019 | ND<0.025 U | 28 |
| | 6/11/2019 | ND<0.025 U | 28 |
| | 8/28/2019 | ND<0.025 U | 28 |
| | 10/28/2019 | ND<0.025 U | 28 |
| | 3/31/2020 | 0.029 | 60 |
| | 6/10/2020 | ND<0.03 U | 28 |
| | 9/21/2020 | ND<0.03 U | 28 |
| | 12/17/2020 | ND<0.03 U | 28 |
| | 3/18/2021 | ND<0.03 U | 28 |
| | 5/5/2021 | ND<0.03 U | 28 |
| | 9/2/2021 | ND<0.03 U | 28 |
| | 11/23/2021 | ND<0.03 U | 28 |
| | 1/10/2022 | ND<0.03 U | 28 |
| | 4/7/2022 | ND<0.03 U | 28 |
| | 8/3/2022 | ND<0.03 U | 28 |
| | 11/16/2022 | ND<0.03 U | 28 |
| | 2/13/2023 | ND<0.03 U | 28 |
| | 5/24/2023 | ND<0.014 U | 28 |
| | 8/7/2023 | ND<0.03 U | 28 |
| | 12/12/2023 | ND<0.014 U | 28 |
| | 1/10/2024 | 0.015 | 56 |
| | 5/20/2024 | 0.016 | 57 |
| | 9/16/2024 | 0.024 | 58 |
| | 12/11/2024 | ND<0.0196 U | 28 |
| | 2/18/2025 | 0.055 | 71 |

The Wilcoxon Statistic is 495

The Expected value is is 1200.5
The Standard Deviation is 140.742
The Z Score is -5.01628
The Standard Deviation adjusted for ties is 127.701
The Z Score adjusted for ties is -5.52854
-5.01628 < 2.326 indicating no statistical significance at 1% level
-5.52854 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 43 |
| | 3/18/2021 | 21.6 | 51 |
| | 5/5/2021 | 27.5 | 59 |
| | 11/23/2021 | 9.2 | 16 |
| | 1/11/2022 | 15.6 | 39 |
| | 4/7/2022 | 20.9 | 49 |
| | 8/2/2022 | 6 | 1 |
| | 11/16/2022 | 10.5 | 19 |
| | 2/14/2023 | 22.5 | 53 |
| | 5/25/2023 | 6.71 | 4 |
| | 8/7/2023 | 7 | 6 |
| | 12/12/2023 | 13.8 | 34 |
| | 1/10/2024 | 34.4 | 63 |
| | 5/21/2024 | 12 | 26 |
| | 9/16/2024 | 11.5 | 23 |
| | 12/11/2024 | 11.6 | 25 |
| | 2/18/2025 | 45.1 | 66 |
| GD 5 | 3/13/2013 | 9.6 | 18 |
| | 5/20/2013 | 9 | 14 |
| | 9/23/2013 | 8 | 10 |
| | 12/10/2013 | 18 | 44 |
| | 2/6/2014 | 17 | 41 |
| | 6/26/2014 | 12 | 27 |
| | 9/30/2014 | 18 | 45 |
| | 11/19/2014 | 26 | 57 |
| | 3/23/2015 | 15 | 37 |
| | 4/22/2015 | 13 | 31 |
| | 9/30/2015 | 17.3 | 42 |
| | 11/19/2015 | 42.8 | 65 |
| | 3/15/2016 | 13.2 | 33 |
| | 6/29/2016 | 15 | 38 |
| | 8/9/2016 | 11 | 21 |
| | 12/7/2016 | 6.8 | 5 |
| | 3/2/2017 | 13 | 32 |
| | 7/5/2017 | 22.7 | 54 |
| | 8/16/2017 | 9 | 15 |
| | 10/25/2017 | 14.6 | 36 |
| | 3/28/2018 | 6.06 | 2 |
| | 6/29/2018 | 19.6 | 46 |
| | 8/2/2018 | 26.4 | 58 |
| | 12/10/2018 | 22.3 | 52 |
| | 4/15/2019 | 29 | 60 |
| | 6/12/2019 | 9.3 | 17 |
| | 8/27/2019 | 10.9 | 20 |

| | | |
|---|---|---|
| 10/29/2019 | 21 | 50 |
| 3/30/2020 | 12.1 | 28 |
| 6/16/2020 | 7.4 | 7 |
| 9/21/2020 | 7.9 | 9 |
| 12/17/2020 | 19.8 | 47 |
| 3/18/2021 | 30.6 | 61 |
| 5/5/2021 | 36.8 | 64 |
| 9/2/2021 | 16.1 | 40 |
| 11/23/2021 | 8.8 | 12 |
| 1/11/2022 | 12.1 | 29 |
| 4/7/2022 | 14.4 | 35 |
| 8/2/2022 | 6.4 | 3 |
| 11/16/2022 | 8.67 | 11 |
| 2/14/2023 | 11.5 | 24 |
| 5/24/2023 | 24.3 | 56 |
| 8/7/2023 | 7.54 | 8 |
| 12/12/2023 | 11.3 | 22 |
| 1/10/2024 | 32 | 62 |
| 5/21/2024 | 8.9 | 13 |
| 9/16/2024 | 12.4 | 30 |
| 12/11/2024 | 20.3 | 48 |
| 2/18/2025 | 23 | 55 |

The Wilcoxon Statistic is 409
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -0.117306
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is -0.117306
-0.117306 < 2.326 indicating no statistical significance at 1% level
-0.117306 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 9
Non detect rank is 5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 12 |
| | 3/18/2021 | 0.331 | 20 |
| | 5/5/2021 | ND<0.25 U | 5 |
| | 11/23/2021 | ND<0.25 U | 5 |
| | 1/11/2022 | 0.97 | 65 |
| | 4/7/2022 | 0.254 | 11 |
| | 8/2/2022 | 0.274 | 13 |
| | 11/16/2022 | 0.382 | 28 |
| | 2/14/2023 | 0.484 | 44 |
| | 5/25/2023 | 0.513 | 52 |
| | 8/7/2023 | 0.436 | 36 |
| | 12/12/2023 | 0.497 | 47 |
| | 1/10/2024 | 0.327 | 19 |
| | 5/21/2024 | 0.565 | 56 |
| | 9/16/2024 | 0.709 | 62 |
| | 12/11/2024 | 0.305 | 16 |
| | 2/18/2025 | 0.434 | 35 |
| GD 5 | 3/13/2013 | 0.34 | 22 |
| | 5/20/2013 | 0.62 | 59 |
| | 9/23/2013 | 0.45 | 40 |
| | 12/10/2013 | 0.47 | 42 |
| | 2/6/2014 | 0.37 | 27 |
| | 6/26/2014 | 0.34 | 23 |
| | 9/30/2014 | 0.25 U | 10 |
| | 11/19/2014 | 0.43 | 34 |
| | 3/23/2015 | 0.34 | 24 |
| | 4/22/2015 | 0.65 | 60 |
| | 9/30/2015 | 0.56 | 54 |
| | 11/19/2015 | ND<0.25 U | 5 |
| | 3/15/2016 | 0.44 | 37 |
| | 6/29/2016 | 0.49 | 45 |
| | 8/9/2016 | 0.41 | 30 |
| | 12/7/2016 | 0.34 | 25 |
| | 3/2/2017 | 0.49 | 46 |
| | 7/5/2017 | 0.73 | 63 |
| | 8/16/2017 | 0.4 | 29 |
| | 10/25/2017 | 0.35 | 26 |
| | 3/28/2018 | ND<0.25 U | 5 |
| | 6/29/2018 | 0.689 | 61 |
| | 8/2/2018 | 0.332 | 21 |
| | 12/10/2018 | 0.523 | 53 |
| | 4/15/2019 | 0.411 | 31 |
| | 6/12/2019 | ND<0.25 U | 5 |
| | 8/27/2019 | 0.506 | 49 |

| | | |
|---|---|---|
| 10/29/2019 | 0.477 | 43 |
| 3/30/2020 | 0.32 | 18 |
| 6/16/2020 | 0.561 | 55 |
| 9/21/2020 | ND<0.25 U | 5 |
| 12/17/2020 | 0.422 | 32 |
| 3/18/2021 | 0.6 | 57 |
| 5/5/2021 | ND<0.25 U | 5 |
| 9/2/2021 | 0.51 | 50 |
| 11/23/2021 | ND<0.25 U | 5 |
| 1/11/2022 | 0.51 | 51 |
| 4/7/2022 | 0.3 | 15 |
| 8/2/2022 | ND<0.25 U | 5 |
| 11/16/2022 | 0.312 | 17 |
| 2/14/2023 | 0.606 | 58 |
| 5/24/2023 | 10 | 66 |
| 8/7/2023 | 0.499 | 48 |
| 12/12/2023 | 0.468 | 41 |
| 1/10/2024 | 0.424 | 33 |
| 5/21/2024 | 0.443 | 39 |
| 9/16/2024 | 0.75 | 64 |
| 12/11/2024 | 0.285 | 14 |
| 2/18/2025 | 0.44 | 38 |

The Wilcoxon Statistic is 460
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.63052
The Standard Deviation adjusted for ties is 68.1122
The Z Score adjusted for ties is 0.631312
0.63052 < 2.326 indicating no statistical significance at 1% level
0.631312 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: GD 5**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 30
Non detect rank is 15.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 64 |
| | 3/18/2021 | 0.319 | 61 |
| | 5/5/2021 | 0.213 | 56 |
| | 11/23/2021 | 0.164 | 51 |
| | 1/11/2022 | 0.44 | 66 |
| | 4/7/2022 | 0.273 | 59 |
| | 8/2/2022 | 0.102 | 34 |
| | 11/16/2022 | ND<0.1 U | 15.5 |
| | 2/14/2023 | 0.416 | 65 |
| | 5/25/2023 | ND<0.05 U | 15.5 |
| | 8/7/2023 | ND<0.1 U | 15.5 |
| | 12/12/2023 | 0.14 | 46 |
| | 1/10/2024 | 0.354 | 62 |
| | 5/21/2024 | 0.143 | 48 |
| | 9/16/2024 | ND<0.05 U | 15.5 |
| | 12/11/2024 | 0.202 | 54 |
| | 2/18/2025 | 0.368 | 63 |
| GD 5 | 3/13/2013 | 0.26 | 58 |
| | 5/20/2013 | ND<0.1 U | 15.5 |
| | 9/23/2013 | ND<0.1 U | 15.5 |
| | 12/10/2013 | 0.1 | 33 |
| | 2/6/2014 | 0.17 | 52 |
| | 6/26/2014 | ND<0.1 U | 15.5 |
| | 9/30/2014 | ND<0.1 U | 15.5 |
| | 11/19/2014 | 0.11 | 35 |
| | 3/23/2015 | 0.12 | 37 |
| | 4/22/2015 | 0.14 | 47 |
| | 9/30/2015 | ND<0.1 U | 15.5 |
| | 11/19/2015 | 0.17 | 53 |
| | 3/15/2016 | ND<0.1 U | 15.5 |
| | 6/29/2016 | ND<0.1 U | 15.5 |
| | 8/9/2016 | ND<0.1 U | 15.5 |
| | 12/7/2016 | ND<0.1 U | 15.5 |
| | 3/2/2017 | 0.12 | 38 |
| | 7/5/2017 | ND<0.1 U | 15.5 |
| | 8/16/2017 | ND<0.1 U | 15.5 |
| | 10/25/2017 | ND<0.1 U | 15.5 |
| | 3/28/2018 | 0.127 | 40 |
| | 6/29/2018 | ND<0.1 U | 15.5 |
| | 8/2/2018 | ND<0.1 U | 15.5 |
| | 12/10/2018 | ND<0.1 U | 15.5 |
| | 4/15/2019 | 0.128 | 42 |
| | 6/12/2019 | ND<0.1 U | 15.5 |
| | 8/27/2019 | ND<0.1 U | 15.5 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 15.5 |
| 3/30/2020 | 0.13 | 43 |
| 6/16/2020 | ND<0.1 U | 15.5 |
| 9/21/2020 | ND<0.1 U | 15.5 |
| 12/17/2020 | 0.122 | 39 |
| 3/18/2021 | 0.127 | 41 |
| 5/5/2021 | 0.204 | 55 |
| 9/2/2021 | ND<0.1 U | 15.5 |
| 11/23/2021 | ND<0.1 U | 15.5 |
| 1/11/2022 | 0.3 | 60 |
| 4/7/2022 | 0.157 | 50 |
| 8/2/2022 | ND<0.1 U | 15.5 |
| 11/16/2022 | ND<0.1 U | 15.5 |
| 2/14/2023 | 0.255 | 57 |
| 5/24/2023 | 0.0534 | 31 |
| 8/7/2023 | ND<0.1 U | 15.5 |
| 12/12/2023 | 0.082 | 32 |
| 1/10/2024 | 0.118 | 36 |
| 5/21/2024 | 0.131 | 44 |
| 9/16/2024 | ND<0.05 U | 15.5 |
| 12/11/2024 | 0.139 | 45 |
| 2/18/2025 | 0.151 | 49 |

The Wilcoxon Statistic is 195
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -3.25525
The Standard Deviation adjusted for ties is 64.9193
The Z Score adjusted for ties is -3.41963
-3.25525 < 2.326 indicating no statistical significance at 1% level
-3.41963 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 47
Non detect rank is 24

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 24 |
| | 3/18/2021 | ND<0.1 U | 24 |
| | 5/5/2021 | ND<0.1 U | 24 |
| | 11/23/2021 | ND<0.1 U | 24 |
| | 1/11/2022 | ND<0.1 U | 24 |
| | 4/7/2022 | ND<0.1 U | 24 |
| | 8/2/2022 | ND<0.1 U | 24 |
| | 11/16/2022 | ND<0.1 U | 24 |
| | 2/14/2023 | ND<0.1 U | 24 |
| | 5/25/2023 | ND<0.035 U | 24 |
| | 8/7/2023 | 0.0866 | 57 |
| | 12/12/2023 | 0.0454 | 48 |
| | 1/10/2024 | 0.0532 | 50 |
| | 5/21/2024 | 0.0925 | 58 |
| | 9/16/2024 | 0.0824 | 56 |
| | 12/11/2024 | 0.0652 | 53 |
| | 2/18/2025 | 0.0946 | 59 |
| GD 5 | 3/13/2013 | ND<0.1 U | 24 |
| | 5/20/2013 | ND<0.1 U | 24 |
| | 9/23/2013 | ND<0.1 U | 24 |
| | 12/10/2013 | 0.1 | 60 |
| | 2/6/2014 | ND<0.1 U | 24 |
| | 6/26/2014 | ND<0.1 U | 24 |
| | 9/30/2014 | ND<0.1 U | 24 |
| | 11/19/2014 | ND<0.1 U | 24 |
| | 3/23/2015 | ND<0.1 U | 24 |
| | 4/22/2015 | ND<0.1 U | 24 |
| | 9/30/2015 | 0.12 | 63 |
| | 11/19/2015 | ND<0.1 U | 24 |
| | 3/15/2016 | ND<0.1 U | 24 |
| | 6/29/2016 | ND<0.1 U | 24 |
| | 8/9/2016 | ND<0.1 U | 24 |
| | 12/7/2016 | ND<0.1 U | 24 |
| | 3/2/2017 | ND<0.1 U | 24 |
| | 7/5/2017 | ND<0.1 U | 24 |
| | 8/16/2017 | ND<0.1 U | 24 |
| | 10/25/2017 | ND<0.1 U | 24 |
| | 3/28/2018 | ND<0.1 U | 24 |
| | 6/29/2018 | ND<0.1 U | 24 |
| | 8/2/2018 | ND<0.1 U | 24 |
| | 12/10/2018 | 0.19 | 65 |
| | 4/15/2019 | 1.2 | 66 |
| | 6/12/2019 | ND<0.1 U | 24 |
| | 8/27/2019 | 0.17 | 64 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 24 |
| 3/30/2020 | ND<0.1 U | 24 |
| 6/16/2020 | ND<0.1 U | 24 |
| 9/21/2020 | ND<0.1 U | 24 |
| 12/17/2020 | 0.113 | 62 |
| 3/18/2021 | ND<0.1 U | 24 |
| 5/5/2021 | ND<0.1 U | 24 |
| 9/2/2021 | ND<0.1 U | 24 |
| 11/23/2021 | ND<0.1 U | 24 |
| 1/11/2022 | ND<0.1 U | 24 |
| 4/7/2022 | ND<0.1 U | 24 |
| 8/2/2022 | ND<0.1 U | 24 |
| 11/16/2022 | ND<0.1 U | 24 |
| 2/14/2023 | ND<0.1 U | 24 |
| 5/24/2023 | 0.0462 | 49 |
| 8/7/2023 | 0.103 | 61 |
| 12/12/2023 | ND<0.035 U | 24 |
| 1/10/2024 | 0.0681 | 54 |
| 5/21/2024 | 0.0614 | 52 |
| 9/16/2024 | 0.06 | 51 |
| 12/11/2024 | 0.0823 | 55 |
| 2/18/2025 | ND<0.0642 U | 24 |

The Wilcoxon Statistic is 365
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -0.76249
The Standard Deviation adjusted for ties is 54.5134
The Z Score adjusted for ties is -0.953894
-0.76249 < 2.326 indicating no statistical significance at 1% level
-0.953894 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 54
Non detect rank is 27.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 27.5 |
| | 3/18/2021 | ND<0.03 U | 27.5 |
| | 5/5/2021 | ND<0.03 U | 27.5 |
| | 11/23/2021 | ND<0.03 U | 27.5 |
| | 1/11/2022 | ND<0.03 U | 27.5 |
| | 4/7/2022 | 0.06 | 64 |
| | 8/2/2022 | ND<0.03 U | 27.5 |
| | 11/16/2022 | ND<0.03 U | 27.5 |
| | 2/14/2023 | ND<0.03 U | 27.5 |
| | 5/25/2023 | ND<0.014 U | 27.5 |
| | 8/7/2023 | ND<0.03 U | 27.5 |
| | 12/12/2023 | ND<0.014 U | 27.5 |
| | 1/10/2024 | 0.02 | 55 |
| | 5/21/2024 | ND<0.03 U | 27.5 |
| | 9/16/2024 | ND<0.014 U | 27.5 |
| | 12/11/2024 | ND<0.0196 U | 27.5 |
| | 2/18/2025 | 0.033 | 59 |
| GD 5 | 3/13/2013 | ND<0.025 U | 27.5 |
| | 5/20/2013 | ND<0.025 U | 27.5 |
| | 9/23/2013 | 0.027 | 57 |
| | 12/10/2013 | 0.088 | 66 |
| | 2/6/2014 | 0.038 | 60 |
| | 6/26/2014 | ND<0.025 U | 27.5 |
| | 9/30/2014 | ND<0.025 U | 27.5 |
| | 11/19/2014 | 0.051 | 63 |
| | 3/23/2015 | ND<0.025 U | 27.5 |
| | 4/22/2015 | ND<0.025 U | 27.5 |
| | 9/30/2015 | ND<0.025 U | 27.5 |
| | 11/19/2015 | 0.042 | 61 |
| | 3/15/2016 | ND<0.025 U | 27.5 |
| | 6/29/2016 | 0.074 | 65 |
| | 8/9/2016 | ND<0.025 U | 27.5 |
| | 12/7/2016 | ND<0.025 U | 27.5 |
| | 3/2/2017 | ND<0.025 U | 27.5 |
| | 7/5/2017 | ND<0.025 U | 27.5 |
| | 8/16/2017 | ND<0.025 U | 27.5 |
| | 10/25/2017 | ND<0.025 U | 27.5 |
| | 3/28/2018 | ND<0.025 U | 27.5 |
| | 6/29/2018 | ND<0.025 U | 27.5 |
| | 8/2/2018 | ND<0.025 U | 27.5 |
| | 12/10/2018 | ND<0.025 U | 27.5 |
| | 4/15/2019 | ND<0.025 U | 27.5 |
| | 6/12/2019 | ND<0.025 U | 27.5 |
| | 8/27/2019 | ND<0.025 U | 27.5 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.025 U | 27.5 |
| 3/30/2020 | ND<0.025 U | 27.5 |
| 6/16/2020 | ND<0.03 U | 27.5 |
| 9/21/2020 | ND<0.03 U | 27.5 |
| 12/17/2020 | ND<0.03 U | 27.5 |
| 3/18/2021 | ND<0.03 U | 27.5 |
| 5/5/2021 | ND<0.03 U | 27.5 |
| 9/2/2021 | ND<0.03 U | 27.5 |
| 11/23/2021 | ND<0.03 U | 27.5 |
| 1/11/2022 | ND<0.03 U | 27.5 |
| 4/7/2022 | ND<0.03 U | 27.5 |
| 8/2/2022 | ND<0.03 U | 27.5 |
| 11/16/2022 | ND<0.03 U | 27.5 |
| 2/14/2023 | ND<0.03 U | 27.5 |
| 5/24/2023 | 0.025 | 56 |
| 8/7/2023 | ND<0.03 U | 27.5 |
| 12/12/2023 | ND<0.014 U | 27.5 |
| 1/10/2024 | 0.045 | 62 |
| 5/21/2024 | ND<0.03 U | 27.5 |
| 9/16/2024 | ND<0.014 U | 27.5 |
| 12/11/2024 | ND<0.0196 U | 27.5 |
| 2/18/2025 | 0.027 | 58 |

The Wilcoxon Statistic is 423
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.0879796
The Standard Deviation adjusted for ties is 45.8678
The Z Score adjusted for ties is 0.130811
0.0879796 < 2.326 indicating no statistical significance at 1% level
0.130811 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: GD 12

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 58 |
| | 3/18/2021 | 21.6 | 60 |
| | 5/5/2021 | 27.5 | 62 |
| | 11/23/2021 | 9.2 | 36 |
| | 1/11/2022 | 15.6 | 54 |
| | 4/7/2022 | 20.9 | 59 |
| | 8/2/2022 | 6 | 22 |
| | 11/16/2022 | 10.5 | 39 |
| | 2/14/2023 | 22.5 | 61 |
| | 5/25/2023 | 6.71 | 26 |
| | 8/7/2023 | 7 | 27 |
| | 12/12/2023 | 13.8 | 52 |
| | 1/10/2024 | 34.4 | 64 |
| | 5/21/2024 | 12 | 45 |
| | 9/16/2024 | 11.5 | 43 |
| | 12/11/2024 | 11.6 | 44 |
| | 2/18/2025 | 45.1 | 66 |
| GD 12 | 3/12/2013 | 3.9 | 9 |
| | 5/8/2013 | 7.5 | 29 |
| | 9/23/2013 | 9 | 35 |
| | 12/10/2013 | 5.9 | 21 |
| | 2/6/2014 | 3.9 | 10 |
| | 6/26/2014 | 32 | 63 |
| | 9/30/2014 | 11 | 40 |
| | 11/19/2014 | 6.6 | 25 |
| | 3/23/2015 | 8.1 | 32 |
| | 4/22/2015 | 14 | 53 |
| | 9/30/2015 | 8.5 | 34 |
| | 11/19/2015 | 12 | 46 |
| | 3/15/2016 | 4.6 | 17 |
| | 6/29/2016 | 12 | 47 |
| | 8/9/2016 | 13.3 | 50 |
| | 12/7/2016 | 4 | 11 |
| | 3/2/2017 | 6.1 | 23 |
| | 6/21/2017 | 16.8 | 56 |
| | 8/17/2017 | 13.3 | 51 |
| | 10/26/2017 | 7.8 | 31 |
| | 3/27/2018 | 4.2 | 13 |
| | 6/26/2018 | 13.2 | 49 |
| | 8/1/2018 | 43.8 | 65 |
| | 12/11/2018 | 4.3 | 15 |
| | 4/17/2019 | 4 | 12 |
| | 6/11/2019 | 8.2 | 33 |
| | 8/28/2019 | 9.4 | 37 |

| | | |
|---|---|---|
| 10/28/2019 | 12.3 | 48 |
| 3/31/2020 | 143 | 67 |
| 6/10/2020 | 11.4 | 41 |
| 6/10/2020 | 11.4 | 42 |
| 9/21/2020 | 7.6 | 30 |
| 12/17/2020 | 3.7 | 7 |
| 3/18/2021 | 17.6 | 57 |
| 5/5/2021 | 16.4 | 55 |
| 9/2/2021 | 3.5 | 6 |
| 11/23/2021 | 2.8 | 3 |
| 1/10/2022 | 3.7 | 8 |
| 4/7/2022 | 3.4 | 5 |
| 8/3/2022 | 6.4 | 24 |
| 11/16/2022 | 4.5 | 16 |
| 2/13/2023 | 2.9 | 4 |
| 5/24/2023 | 4.6 | 18 |
| 8/7/2023 | 5.2 | 19 |
| 12/12/2023 | ND<2.5 U | 1 |
| 1/10/2024 | 5.6 | 20 |
| 5/20/2024 | 9.8 | 38 |
| 9/16/2024 | 2.7 | 2 |
| 12/11/2024 | 7.07 | 28 |
| 2/18/2025 | 4.2 | 14 |

The Wilcoxon Statistic is 185
The Expected value is is 425
The Standard Deviation is 69.4022
The Z Score is -3.46531
The Standard Deviation adjusted for ties is 69.4022
The Z Score adjusted for ties is -3.46531
-3.46531 < 2.326 indicating no statistical significance at 1% level
-3.46531 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: GD 12

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 6
Non detect rank is 3.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 8 |
| | 3/18/2021 | 0.331 | 16 |
| | 5/5/2021 | ND<0.25 U | 3.5 |
| | 11/23/2021 | ND<0.25 U | 3.5 |
| | 1/11/2022 | 0.97 | 64 |
| | 4/7/2022 | 0.254 | 7 |
| | 8/2/2022 | 0.274 | 10 |
| | 11/16/2022 | 0.382 | 19 |
| | 2/14/2023 | 0.484 | 36 |
| | 5/25/2023 | 0.513 | 40 |
| | 8/7/2023 | 0.436 | 30 |
| | 12/12/2023 | 0.497 | 38 |
| | 1/10/2024 | 0.327 | 15 |
| | 5/21/2024 | 0.565 | 44 |
| | 9/16/2024 | 0.709 | 56 |
| | 12/11/2024 | 0.305 | 12 |
| | 2/18/2025 | 0.434 | 29 |
| GD 12 | 3/12/2013 | 0.54 | 43 |
| | 5/8/2013 | 0.4 | 24 |
| | 9/23/2013 | 0.48 | 35 |
| | 12/10/2013 | 0.45 | 34 |
| | 2/6/2014 | 0.28 | 11 |
| | 6/26/2014 | 0.62 | 51 |
| | 9/30/2014 | 0.39 | 21 |
| | 11/19/2014 | 0.39 | 22 |
| | 3/23/2015 | 0.59 | 48 |
| | 4/22/2015 | 0.43 | 27 |
| | 9/30/2015 | 0.7 | 54 |
| | 11/19/2015 | 0.77 | 59 |
| | 3/15/2016 | 0.43 | 28 |
| | 6/29/2016 | 0.38 | 18 |
| | 8/9/2016 | 0.63 | 53 |
| | 12/7/2016 | 0.6 | 49 |
| | 3/2/2017 | 0.58 | 46 |
| | 6/21/2017 | 0.77 | 60 |
| | 8/17/2017 | 0.58 | 47 |
| | 10/26/2017 | 0.31 | 13 |
| | 3/27/2018 | ND<0.25 U | 3.5 |
| | 6/26/2018 | 0.528 | 42 |
| | 8/1/2018 | 1.23 | 67 |
| | 12/11/2018 | 0.574 | 45 |
| | 4/17/2019 | 0.272 | 9 |
| | 6/11/2019 | 0.82 | 63 |
| | 8/28/2019 | 0.764 | 58 |

| | | |
|---|---|---|
| 10/28/2019 | 0.387 | 20 |
| 3/31/2020 | 1 | 66 |
| 6/10/2020 | 0.438 | 32 |
| 6/10/2020 | 0.438 | 33 |
| 9/21/2020 | ND<0.25 U | 3.5 |
| 12/17/2020 | ND<0.25 U | 3.5 |
| 3/18/2021 | 0.621 | 52 |
| 5/5/2021 | 0.61 | 50 |
| 9/2/2021 | 0.779 | 61 |
| 11/23/2021 | ND<0.25 U | 3.5 |
| 1/10/2022 | 0.325 | 14 |
| 4/7/2022 | 0.522 | 41 |
| 8/3/2022 | 0.999 | 65 |
| 11/16/2022 | 0.407 | 25 |
| 2/13/2023 | 0.75 | 57 |
| 5/24/2023 | 0.357 | 17 |
| 8/7/2023 | 0.813 | 62 |
| 12/12/2023 | 0.412 | 26 |
| 1/10/2024 | 0.437 | 31 |
| 5/20/2024 | 0.496 | 37 |
| 9/16/2024 | 0.399 | 23 |
| 12/11/2024 | 0.702 | 55 |
| 2/18/2025 | 0.497 | 39 |

The Wilcoxon Statistic is 572
The Expected value is is 425
The Standard Deviation is 69.4022
The Z Score is 2.11088
The Standard Deviation adjusted for ties is 69.378
The Z Score adjusted for ties is 2.11162
2.11088 < 2.326 indicating no statistical significance at 1% level
2.11162 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: GD 12

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 19
Non detect rank is 10

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 63 |
| | 3/18/2021 | 0.319 | 58 |
| | 5/5/2021 | 0.213 | 39 |
| | 11/23/2021 | 0.164 | 30 |
| | 1/11/2022 | 0.44 | 66 |
| | 4/7/2022 | 0.273 | 51 |
| | 8/2/2022 | 0.102 | 20 |
| | 11/16/2022 | ND<0.1 U | 10 |
| | 2/14/2023 | 0.416 | 65 |
| | 5/25/2023 | ND<0.05 U | 10 |
| | 8/7/2023 | ND<0.1 U | 10 |
| | 12/12/2023 | 0.14 | 26 |
| | 1/10/2024 | 0.354 | 60 |
| | 5/21/2024 | 0.143 | 28 |
| | 9/16/2024 | ND<0.05 U | 10 |
| | 12/11/2024 | 0.202 | 36 |
| | 2/18/2025 | 0.368 | 62 |
| GD 12 | 3/12/2013 | 0.25 | 46 |
| | 5/8/2013 | 0.21 | 38 |
| | 9/23/2013 | ND<0.1 U | 10 |
| | 12/10/2013 | 0.22 | 40 |
| | 2/6/2014 | 0.31 | 56 |
| | 6/26/2014 | 0.11 | 25 |
| | 9/30/2014 | ND<0.1 U | 10 |
| | 11/19/2014 | 0.28 | 53 |
| | 3/23/2015 | 0.24 | 44 |
| | 4/22/2015 | 0.25 | 47 |
| | 9/30/2015 | ND<0.1 U | 10 |
| | 11/19/2015 | 0.28 | 54 |
| | 3/15/2016 | 0.25 | 48 |
| | 6/29/2016 | ND<0.1 U | 10 |
| | 8/9/2016 | ND<0.1 U | 10 |
| | 12/7/2016 | 0.14 | 27 |
| | 3/2/2017 | 0.22 | 41 |
| | 6/21/2017 | ND<0.1 U | 10 |
| | 8/17/2017 | ND<0.1 U | 10 |
| | 10/26/2017 | 0.2 | 35 |
| | 3/27/2018 | 0.356 | 61 |
| | 6/26/2018 | 0.102 | 21 |
| | 8/1/2018 | 0.108 | 24 |
| | 12/11/2018 | 0.313 | 57 |
| | 4/17/2019 | 0.257 | 49 |
| | 6/11/2019 | 0.223 | 42 |
| | 8/28/2019 | ND<0.1 U | 10 |

| | | |
|---|---|---|
| 10/28/2019 | 0.197 | 34 |
| 3/31/2020 | 0.177 | 32 |
| 6/10/2020 | ND<0.1 U | 10 |
| 6/10/2020 | ND<0.1 U | 10 |
| 9/21/2020 | 0.103 | 23 |
| 12/17/2020 | 0.268 | 50 |
| 3/18/2021 | 0.163 | 29 |
| 5/5/2021 | 7.26 | 67 |
| 9/2/2021 | 0.245 | 45 |
| 11/23/2021 | ND<0.1 U | 10 |
| 1/10/2022 | 0.23 | 43 |
| 4/7/2022 | 0.177 | 33 |
| 8/3/2022 | ND<0.1 U | 10 |
| 11/16/2022 | ND<0.1 U | 10 |
| 2/13/2023 | 0.277 | 52 |
| 5/24/2023 | 0.293 | 55 |
| 8/7/2023 | ND<0.1 U | 10 |
| 12/12/2023 | 0.164 | 31 |
| 1/10/2024 | 0.389 | 64 |
| 5/20/2024 | 0.102 | 22 |
| 9/16/2024 | ND<0.05 U | 10 |
| 12/11/2024 | 0.205 | 37 |
| 2/18/2025 | 0.345 | 59 |

The Wilcoxon Statistic is 359
The Expected value is is 425
The Standard Deviation is 69.4022
The Z Score is -0.958183
The Standard Deviation adjusted for ties is 68.6083
The Z Score adjusted for ties is -0.96927
-0.958183 < 2.326 indicating no statistical significance at 1% level
-0.96927 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: GD 12

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 42
Non detect rank is 21.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 21.5 |
| | 3/18/2021 | ND<0.1 U | 21.5 |
| | 5/5/2021 | ND<0.1 U | 21.5 |
| | 11/23/2021 | ND<0.1 U | 21.5 |
| | 1/11/2022 | ND<0.1 U | 21.5 |
| | 4/7/2022 | ND<0.1 U | 21.5 |
| | 8/2/2022 | ND<0.1 U | 21.5 |
| | 11/16/2022 | ND<0.1 U | 21.5 |
| | 2/14/2023 | ND<0.1 U | 21.5 |
| | 5/25/2023 | ND<0.035 U | 21.5 |
| | 8/7/2023 | 0.0866 | 50 |
| | 12/12/2023 | 0.0454 | 44 |
| | 1/10/2024 | 0.0532 | 45 |
| | 5/21/2024 | 0.0925 | 52 |
| | 9/16/2024 | 0.0824 | 49 |
| | 12/11/2024 | 0.0652 | 47 |
| | 2/18/2025 | 0.0946 | 54 |
| GD 12 | 3/12/2013 | ND<0.1 U | 21.5 |
| | 5/8/2013 | ND<0.1 U | 21.5 |
| | 9/23/2013 | ND<0.1 U | 21.5 |
| | 12/10/2013 | 0.11 | 56 |
| | 2/6/2014 | ND<0.1 U | 21.5 |
| | 6/26/2014 | 0.12 | 58 |
| | 9/30/2014 | ND<0.1 U | 21.5 |
| | 11/19/2014 | 0.13 | 62 |
| | 3/23/2015 | ND<0.1 U | 21.5 |
| | 4/22/2015 | ND<0.1 U | 21.5 |
| | 9/30/2015 | ND<0.1 U | 21.5 |
| | 11/19/2015 | 0.15 | 64 |
| | 3/15/2016 | ND<0.1 U | 21.5 |
| | 6/29/2016 | ND<0.1 U | 21.5 |
| | 8/9/2016 | ND<0.1 U | 21.5 |
| | 12/7/2016 | ND<0.1 U | 21.5 |
| | 3/2/2017 | 0.12 | 59 |
| | 6/21/2017 | ND<0.1 U | 21.5 |
| | 8/17/2017 | ND<0.1 U | 21.5 |
| | 10/26/2017 | ND<0.1 U | 21.5 |
| | 3/27/2018 | ND<0.1 U | 21.5 |
| | 6/26/2018 | ND<0.1 U | 21.5 |
| | 8/1/2018 | 0.286 | 66 |
| | 12/11/2018 | ND<0.1 U | 21.5 |
| | 4/17/2019 | ND<0.1 U | 21.5 |
| | 6/11/2019 | 0.121 | 60 |
| | 8/28/2019 | 0.103 | 55 |

| | | |
|---|---|---|
| 10/28/2019 | ND<0.1 U | 21.5 |
| 3/31/2020 | 0.167 | 65 |
| 6/10/2020 | ND<0.1 U | 21.5 |
| 6/10/2020 | ND<0.1 U | 21.5 |
| 9/21/2020 | ND<0.1 U | 21.5 |
| 12/17/2020 | ND<0.1 U | 21.5 |
| 3/18/2021 | ND<0.1 U | 21.5 |
| 5/5/2021 | ND<0.1 U | 21.5 |
| 9/2/2021 | ND<0.1 U | 21.5 |
| 11/23/2021 | ND<0.1 U | 21.5 |
| 1/10/2022 | ND<0.1 U | 21.5 |
| 4/7/2022 | ND<0.1 U | 21.5 |
| 8/3/2022 | 0.142 | 63 |
| 11/16/2022 | ND<0.1 U | 21.5 |
| 2/13/2023 | ND<0.1 U | 21.5 |
| 5/24/2023 | 0.372 | 67 |
| 8/7/2023 | 0.0945 | 53 |
| 12/12/2023 | 0.0233 | 43 |
| 1/10/2024 | 0.0611 | 46 |
| 5/20/2024 | 0.0698 | 48 |
| 9/16/2024 | 0.126 | 61 |
| 12/11/2024 | 0.088 | 51 |
| 2/18/2025 | 0.116 | 57 |

The Wilcoxon Statistic is 447
The Expected value is is 425
The Standard Deviation is 69.4022
The Z Score is 0.309788
The Standard Deviation adjusted for ties is 60.2542
The Z Score adjusted for ties is 0.356822
0.309788 < 2.326 indicating no statistical significance at 1% level
0.356822 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: GD 12

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 47
Non detect rank is 24

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 24 |
| | 3/18/2021 | ND<0.03 U | 24 |
| | 5/5/2021 | ND<0.03 U | 24 |
| | 11/23/2021 | ND<0.03 U | 24 |
| | 1/11/2022 | ND<0.03 U | 24 |
| | 4/7/2022 | 0.06 | 61 |
| | 8/2/2022 | ND<0.03 U | 24 |
| | 11/16/2022 | ND<0.03 U | 24 |
| | 2/14/2023 | ND<0.03 U | 24 |
| | 5/25/2023 | ND<0.014 U | 24 |
| | 8/7/2023 | ND<0.03 U | 24 |
| | 12/12/2023 | ND<0.014 U | 24 |
| | 1/10/2024 | 0.02 | 49 |
| | 5/21/2024 | ND<0.03 U | 24 |
| | 9/16/2024 | ND<0.014 U | 24 |
| | 12/11/2024 | ND<0.0196 U | 24 |
| | 2/18/2025 | 0.033 | 54 |
| GD 12 | 3/12/2013 | 0.03 | 51 |
| | 5/8/2013 | 0.03 | 52 |
| | 9/23/2013 | 0.026 | 50 |
| | 12/10/2013 | 0.079 | 65 |
| | 2/6/2014 | ND<0.025 U | 24 |
| | 6/26/2014 | 0.035 | 55 |
| | 9/30/2014 | ND<0.025 U | 24 |
| | 11/19/2014 | ND<0.025 U | 24 |
| | 3/23/2015 | ND<0.025 U | 24 |
| | 4/22/2015 | ND<0.025 U | 24 |
| | 9/30/2015 | ND<0.025 U | 24 |
| | 11/19/2015 | 0.1 | 66 |
| | 3/15/2016 | 0.032 | 53 |
| | 6/29/2016 | 0.036 | 56 |
| | 8/9/2016 | ND<0.025 U | 24 |
| | 12/7/2016 | ND<0.025 U | 24 |
| | 3/2/2017 | ND<0.025 U | 24 |
| | 6/21/2017 | ND<0.025 U | 24 |
| | 8/17/2017 | ND<0.025 U | 24 |
| | 10/26/2017 | ND<0.025 U | 24 |
| | 3/27/2018 | ND<0.025 U | 24 |
| | 6/26/2018 | ND<0.025 U | 24 |
| | 8/1/2018 | 0.159 | 67 |
| | 12/11/2018 | ND<0.025 U | 24 |
| | 4/17/2019 | ND<0.025 U | 24 |
| | 6/11/2019 | 0.066 | 63 |
| | 8/28/2019 | ND<0.025 U | 24 |

| | | |
|---|---|---|
| 10/28/2019 | 0.044 | 59 |
| 3/31/2020 | 0.065 | 62 |
| 6/10/2020 | ND<0.03 U | 24 |
| 6/10/2020 | ND<0.03 U | 24 |
| 9/21/2020 | ND<0.03 U | 24 |
| 12/17/2020 | ND<0.03 U | 24 |
| 3/18/2021 | ND<0.03 U | 24 |
| 5/5/2021 | ND<0.03 U | 24 |
| 9/2/2021 | ND<0.03 U | 24 |
| 11/23/2021 | ND<0.03 U | 24 |
| 1/10/2022 | ND<0.03 U | 24 |
| 4/7/2022 | 0.074 | 64 |
| 8/3/2022 | ND<0.03 U | 24 |
| 11/16/2022 | ND<0.03 U | 24 |
| 2/13/2023 | ND<0.03 U | 24 |
| 5/24/2023 | 0.044 | 60 |
| 8/7/2023 | ND<0.03 U | 24 |
| 12/12/2023 | ND<0.014 U | 24 |
| 1/10/2024 | 0.041 | 57 |
| 5/20/2024 | ND<0.03 U | 24 |
| 9/16/2024 | 0.016 | 48 |
| 12/11/2024 | 0.041 | 58 |
| 2/18/2025 | ND<0.0196 U | 24 |

The Wilcoxon Statistic is 503
The Expected value is is 425
The Standard Deviation is 69.4022
The Z Score is 1.11668
The Standard Deviation adjusted for ties is 56.1635
The Z Score adjusted for ties is 1.3799
1.11668 < 2.326 indicating no statistical significance at 1% level
1.3799 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: HB 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 26 |
| | 3/18/2021 | 21.6 | 37 |
| | 5/5/2021 | 27.5 | 46 |
| | 11/23/2021 | 9.2 | 8 |
| | 1/11/2022 | 15.6 | 22 |
| | 4/7/2022 | 20.9 | 34 |
| | 8/2/2022 | 6 | 1 |
| | 11/16/2022 | 10.5 | 9 |
| | 2/14/2023 | 22.5 | 40 |
| | 5/25/2023 | 6.71 | 2 |
| | 8/7/2023 | 7 | 4 |
| | 12/12/2023 | 13.8 | 19 |
| | 1/10/2024 | 34.4 | 55 |
| | 5/21/2024 | 12 | 14 |
| | 9/16/2024 | 11.5 | 11 |
| | 12/11/2024 | 11.6 | 12 |
| | 2/18/2025 | 45.1 | 61 |
| HB 3 | 3/12/2013 | 49 | 63 |
| | 5/20/2013 | 17 | 23 |
| | 9/23/2013 | 19 | 28 |
| | 12/10/2013 | 20 | 30 |
| | 2/6/2014 | 13 | 18 |
| | 6/26/2014 | 12 | 15 |
| | 9/30/2014 | 30 | 50 |
| | 11/19/2014 | 51 | 64 |
| | 3/23/2015 | 35 | 56 |
| | 4/22/2015 | 22 | 39 |
| | 9/30/2015 | 23 | 41 |
| | 11/19/2015 | 30.2 | 52 |
| | 3/15/2016 | 23.8 | 45 |
| | 6/29/2016 | 20.9 | 35 |
| | 8/9/2016 | 14.3 | 20 |
| | 12/7/2016 | 17 | 24 |
| | 3/2/2017 | 57.1 | 66 |
| | 7/5/2017 | 28.5 | 48 |
| | 8/16/2017 | 12.7 | 17 |
| | 10/25/2017 | 20.4 | 32 |
| | 3/28/2018 | 20.2 | 31 |
| | 6/29/2018 | 18.2 | 27 |
| | 8/2/2018 | 35.3 | 58 |
| | 12/10/2018 | 27.6 | 47 |
| | 4/15/2019 | 35.5 | 59 |
| | 6/12/2019 | 52.3 | 65 |
| | 8/27/2019 | 7.3 | 5 |

| | | |
|---|---|---|
| 10/29/2019 | 17.6 | 25 |
| 3/30/2020 | 19 | 29 |
| 6/16/2020 | 14.6 | 21 |
| 9/21/2020 | 8.3 | 7 |
| 12/17/2020 | 20.4 | 33 |
| 3/18/2021 | 23 | 42 |
| 5/5/2021 | 35.1 | 57 |
| 9/2/2021 | 23.6 | 43 |
| 11/23/2021 | 10.5 | 10 |
| 1/11/2022 | 23.6 | 44 |
| 4/7/2022 | 21 | 36 |
| 8/2/2022 | 33.7 | 54 |
| 11/16/2022 | 7.4 | 6 |
| 2/14/2023 | 11.6 | 13 |
| 5/25/2023 | 21.7 | 38 |
| 8/7/2023 | 6.8 | 3 |
| 12/12/2023 | 36.8 | 60 |
| 1/10/2024 | 31.7 | 53 |
| 5/21/2024 | 28.6 | 49 |
| 9/16/2024 | 12.2 | 16 |
| 12/11/2024 | 30 | 51 |
| 2/18/2025 | 45.7 | 62 |

The Wilcoxon Statistic is 585
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 2.46343
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is 2.46343
**2.46343 > 2.326 indicating statistical significance  at 1% level**
**2.46343 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: HB 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 9
Non detect rank is 5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 12 |
| | 3/18/2021 | 0.331 | 22 |
| | 5/5/2021 | ND<0.25 U | 5 |
| | 11/23/2021 | ND<0.25 U | 5 |
| | 1/11/2022 | 0.97 | 65 |
| | 4/7/2022 | 0.254 | 11 |
| | 8/2/2022 | 0.274 | 14 |
| | 11/16/2022 | 0.382 | 28 |
| | 2/14/2023 | 0.484 | 39 |
| | 5/25/2023 | 0.513 | 43 |
| | 8/7/2023 | 0.436 | 32 |
| | 12/12/2023 | 0.497 | 40 |
| | 1/10/2024 | 0.327 | 20 |
| | 5/21/2024 | 0.565 | 46 |
| | 9/16/2024 | 0.709 | 58 |
| | 12/11/2024 | 0.305 | 17 |
| | 2/18/2025 | 0.434 | 31 |
| HB 3 | 3/12/2013 | 0.83 | 62 |
| | 5/20/2013 | 0.6 | 49 |
| | 9/23/2013 | 0.6 | 50 |
| | 12/10/2013 | 0.62 | 52 |
| | 2/6/2014 | 0.37 | 25 |
| | 6/26/2014 | 0.37 | 26 |
| | 9/30/2014 | 0.48 | 38 |
| | 11/19/2014 | 0.44 | 33 |
| | 3/23/2015 | 0.46 | 35 |
| | 4/22/2015 | 0.66 | 55 |
| | 9/30/2015 | 0.91 | 63 |
| | 11/19/2015 | ND<0.25 U | 5 |
| | 3/15/2016 | ND<0.25 U | 5 |
| | 6/29/2016 | 0.51 | 42 |
| | 8/9/2016 | 0.7 | 57 |
| | 12/7/2016 | 0.73 | 59 |
| | 3/2/2017 | 0.97 | 66 |
| | 7/5/2017 | 0.81 | 61 |
| | 8/16/2017 | 0.76 | 60 |
| | 10/25/2017 | 0.32 | 19 |
| | 3/28/2018 | ND<0.25 U | 5 |
| | 6/29/2018 | 0.464 | 36 |
| | 8/2/2018 | 0.952 | 64 |
| | 12/10/2018 | 0.426 | 30 |
| | 4/15/2019 | ND<0.25 U | 5 |
| | 6/12/2019 | ND<0.25 U | 5 |
| | 8/27/2019 | 0.634 | 53 |

| | | |
|---|---|---|
| 10/29/2019 | 0.517 | 44 |
| 3/30/2020 | 0.452 | 34 |
| 6/16/2020 | 0.299 | 16 |
| 9/21/2020 | 0.279 | 15 |
| 12/17/2020 | 0.588 | 48 |
| 3/18/2021 | 0.252 | 10 |
| 5/5/2021 | ND<0.25 U | 5 |
| 9/2/2021 | 0.689 | 56 |
| 11/23/2021 | ND<0.25 U | 5 |
| 1/11/2022 | 0.55 | 45 |
| 4/7/2022 | 0.329 | 21 |
| 8/2/2022 | 0.273 | 13 |
| 11/16/2022 | 0.604 | 51 |
| 2/14/2023 | 0.471 | 37 |
| 5/25/2023 | 0.502 | 41 |
| 8/7/2023 | 0.578 | 47 |
| 12/12/2023 | 0.383 | 29 |
| 1/10/2024 | 0.305 | 18 |
| 5/21/2024 | 0.357 | 24 |
| 9/16/2024 | 0.637 | 54 |
| 12/11/2024 | 0.352 | 23 |
| 2/18/2025 | 0.373 | 27 |

The Wilcoxon Statistic is 498
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 1.18772
The Standard Deviation adjusted for ties is 68.1122
The Z Score adjusted for ties is 1.18921
1.18772 < 2.326 indicating no statistical significance at 1% level
1.18921 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: HB 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 25
Non detect rank is 13

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 62 |
| | 3/18/2021 | 0.319 | 52 |
| | 5/5/2021 | 0.213 | 45 |
| | 11/23/2021 | 0.164 | 36 |
| | 1/11/2022 | 0.44 | 65 |
| | 4/7/2022 | 0.273 | 50 |
| | 8/2/2022 | 0.102 | 28 |
| | 11/16/2022 | ND<0.1 U | 13 |
| | 2/14/2023 | 0.416 | 64 |
| | 5/25/2023 | ND<0.05 U | 13 |
| | 8/7/2023 | ND<0.1 U | 13 |
| | 12/12/2023 | 0.14 | 34 |
| | 1/10/2024 | 0.354 | 55 |
| | 5/21/2024 | 0.143 | 35 |
| | 9/16/2024 | ND<0.05 U | 13 |
| | 12/11/2024 | 0.202 | 42 |
| | 2/18/2025 | 0.368 | 59 |
| HB 3 | 3/12/2013 | 0.19 | 38 |
| | 5/20/2013 | 0.17 | 37 |
| | 9/23/2013 | ND<0.1 U | 13 |
| | 12/10/2013 | ND<0.1 U | 13 |
| | 2/6/2014 | 0.48 | 66 |
| | 6/26/2014 | ND<0.1 U | 13 |
| | 9/30/2014 | ND<0.1 U | 13 |
| | 11/19/2014 | 0.11 | 29 |
| | 3/23/2015 | 0.26 | 48 |
| | 4/22/2015 | 0.2 | 40 |
| | 9/30/2015 | ND<0.1 U | 13 |
| | 11/19/2015 | 0.38 | 61 |
| | 3/15/2016 | 0.3 | 51 |
| | 6/29/2016 | ND<0.1 U | 13 |
| | 8/9/2016 | ND<0.1 U | 13 |
| | 12/7/2016 | 0.11 | 30 |
| | 3/2/2017 | 0.33 | 53 |
| | 7/5/2017 | ND<0.1 U | 13 |
| | 8/16/2017 | ND<0.1 U | 13 |
| | 10/25/2017 | ND<0.1 U | 13 |
| | 3/28/2018 | 0.359 | 57 |
| | 6/29/2018 | ND<0.1 U | 13 |
| | 8/2/2018 | ND<0.1 U | 13 |
| | 12/10/2018 | 0.363 | 58 |
| | 4/15/2019 | 0.233 | 47 |
| | 6/12/2019 | 0.129 | 32 |
| | 8/27/2019 | ND<0.1 U | 13 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 13 |
| 3/30/2020 | 0.23 | 46 |
| 6/16/2020 | ND<0.1 U | 13 |
| 9/21/2020 | ND<0.1 U | 13 |
| 12/17/2020 | 0.195 | 39 |
| 3/18/2021 | 0.369 | 60 |
| 5/5/2021 | 0.207 | 44 |
| 9/2/2021 | ND<0.1 U | 13 |
| 11/23/2021 | 0.137 | 33 |
| 1/11/2022 | 0.2 | 41 |
| 4/7/2022 | 0.268 | 49 |
| 8/2/2022 | ND<0.1 U | 13 |
| 11/16/2022 | ND<0.1 U | 13 |
| 2/14/2023 | 0.414 | 63 |
| 5/25/2023 | 0.0574 | 26 |
| 8/7/2023 | ND<0.1 U | 13 |
| 12/12/2023 | 0.126 | 31 |
| 1/10/2024 | 0.354 | 56 |
| 5/21/2024 | 0.08 | 27 |
| 9/16/2024 | ND<0.05 U | 13 |
| 12/11/2024 | 0.202 | 43 |
| 2/18/2025 | 0.349 | 54 |

The Wilcoxon Statistic is 307
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -1.61296
The Standard Deviation adjusted for ties is 66.3211
The Z Score adjusted for ties is -1.6586
-1.61296 < 2.326 indicating no statistical significance at 1% level
-1.6586 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: HB 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 43
Non detect rank is 22

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 22 |
| | 3/18/2021 | ND<0.1 U | 22 |
| | 5/5/2021 | ND<0.1 U | 22 |
| | 11/23/2021 | ND<0.1 U | 22 |
| | 1/11/2022 | ND<0.1 U | 22 |
| | 4/7/2022 | ND<0.1 U | 22 |
| | 8/2/2022 | ND<0.1 U | 22 |
| | 11/16/2022 | ND<0.1 U | 22 |
| | 2/14/2023 | ND<0.1 U | 22 |
| | 5/25/2023 | ND<0.035 U | 22 |
| | 8/7/2023 | 0.0866 | 54 |
| | 12/12/2023 | 0.0454 | 45 |
| | 1/10/2024 | 0.0532 | 46 |
| | 5/21/2024 | 0.0925 | 56 |
| | 9/16/2024 | 0.0824 | 52 |
| | 12/11/2024 | 0.0652 | 49 |
| | 2/18/2025 | 0.0946 | 57 |
| HB 3 | 3/12/2013 | ND<0.1 U | 22 |
| | 5/20/2013 | ND<0.1 U | 22 |
| | 9/23/2013 | ND<0.1 U | 22 |
| | 12/10/2013 | 0.15 | 62 |
| | 2/6/2014 | ND<0.1 U | 22 |
| | 6/26/2014 | ND<0.1 U | 22 |
| | 9/30/2014 | ND<0.1 U | 22 |
| | 11/19/2014 | 0.12 | 58 |
| | 3/23/2015 | ND<0.1 U | 22 |
| | 4/22/2015 | ND<0.1 U | 22 |
| | 9/30/2015 | ND<0.1 U | 22 |
| | 11/19/2015 | ND<0.1 U | 22 |
| | 3/15/2016 | ND<0.1 U | 22 |
| | 6/29/2016 | ND<0.1 U | 22 |
| | 8/9/2016 | ND<0.1 U | 22 |
| | 12/7/2016 | 0.13 | 60 |
| | 3/2/2017 | 0.12 | 59 |
| | 7/5/2017 | ND<0.1 U | 22 |
| | 8/16/2017 | ND<0.1 U | 22 |
| | 10/25/2017 | ND<0.1 U | 22 |
| | 3/28/2018 | ND<0.1 U | 22 |
| | 6/29/2018 | ND<0.1 U | 22 |
| | 8/2/2018 | ND<0.1 U | 22 |
| | 12/10/2018 | 0.141 | 61 |
| | 4/15/2019 | ND<0.1 U | 22 |
| | 6/12/2019 | ND<0.1 U | 22 |
| | 8/27/2019 | 0.179 | 65 |

| | | |
|---|---|---|
| 10/29/2019 | 0.166 | 63 |
| 3/30/2020 | 0.166 | 64 |
| 6/16/2020 | ND<0.1 U | 22 |
| 9/21/2020 | ND<0.1 U | 22 |
| 12/17/2020 | ND<0.1 U | 22 |
| 3/18/2021 | ND<0.1 U | 22 |
| 5/5/2021 | ND<0.1 U | 22 |
| 9/2/2021 | ND<0.1 U | 22 |
| 11/23/2021 | ND<0.1 U | 22 |
| 1/11/2022 | ND<0.1 U | 22 |
| 4/7/2022 | ND<0.1 U | 22 |
| 8/2/2022 | ND<0.1 U | 22 |
| 11/16/2022 | ND<0.1 U | 22 |
| 2/14/2023 | ND<0.1 U | 22 |
| 5/25/2023 | 0.0588 | 48 |
| 8/7/2023 | 0.0895 | 55 |
| 12/12/2023 | 0.0444 | 44 |
| 1/10/2024 | 0.0752 | 51 |
| 5/21/2024 | 0.0557 | 47 |
| 9/16/2024 | 0.0711 | 50 |
| 12/11/2024 | 0.452 | 66 |
| 2/18/2025 | 0.0842 | 53 |

The Wilcoxon Statistic is 407
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -0.146633
The Standard Deviation adjusted for ties is 58.0095
The Z Score adjusted for ties is -0.172385
-0.146633 < 2.326 indicating no statistical significance at 1% level
-0.172385 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: HB 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 54
Non detect rank is 27.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 27.5 |
| | 3/18/2021 | ND<0.03 U | 27.5 |
| | 5/5/2021 | ND<0.03 U | 27.5 |
| | 11/23/2021 | ND<0.03 U | 27.5 |
| | 1/11/2022 | ND<0.03 U | 27.5 |
| | 4/7/2022 | 0.06 | 62 |
| | 8/2/2022 | ND<0.03 U | 27.5 |
| | 11/16/2022 | ND<0.03 U | 27.5 |
| | 2/14/2023 | ND<0.03 U | 27.5 |
| | 5/25/2023 | ND<0.014 U | 27.5 |
| | 8/7/2023 | ND<0.03 U | 27.5 |
| | 12/12/2023 | ND<0.014 U | 27.5 |
| | 1/10/2024 | 0.02 | 55 |
| | 5/21/2024 | ND<0.03 U | 27.5 |
| | 9/16/2024 | ND<0.014 U | 27.5 |
| | 12/11/2024 | ND<0.0196 U | 27.5 |
| | 2/18/2025 | 0.033 | 58 |
| HB 3 | 3/12/2013 | 0.081 | 63 |
| | 5/20/2013 | ND<0.025 U | 27.5 |
| | 9/23/2013 | 0.037 | 59 |
| | 12/10/2013 | 0.14 | 66 |
| | 2/6/2014 | 0.03 | 57 |
| | 6/26/2014 | ND<0.025 U | 27.5 |
| | 9/30/2014 | ND<0.025 U | 27.5 |
| | 11/19/2014 | 0.098 | 65 |
| | 3/23/2015 | ND<0.025 U | 27.5 |
| | 4/22/2015 | ND<0.025 U | 27.5 |
| | 9/30/2015 | ND<0.025 U | 27.5 |
| | 11/19/2015 | 0.045 | 60 |
| | 3/15/2016 | 0.087 | 64 |
| | 6/29/2016 | ND<0.025 U | 27.5 |
| | 8/9/2016 | ND<0.025 U | 27.5 |
| | 12/7/2016 | ND<0.025 U | 27.5 |
| | 3/2/2017 | ND<0.025 U | 27.5 |
| | 7/5/2017 | ND<0.025 U | 27.5 |
| | 8/16/2017 | ND<0.025 U | 27.5 |
| | 10/25/2017 | ND<0.025 U | 27.5 |
| | 3/28/2018 | ND<0.025 U | 27.5 |
| | 6/29/2018 | ND<0.025 U | 27.5 |
| | 8/2/2018 | ND<0.025 U | 27.5 |
| | 12/10/2018 | ND<0.025 U | 27.5 |
| | 4/15/2019 | ND<0.025 U | 27.5 |
| | 6/12/2019 | ND<0.025 U | 27.5 |
| | 8/27/2019 | ND<0.025 U | 27.5 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.025 U | 27.5 |
| 3/30/2020 | ND<0.025 U | 27.5 |
| 6/16/2020 | ND<0.03 U | 27.5 |
| 9/21/2020 | ND<0.03 U | 27.5 |
| 12/17/2020 | ND<0.03 U | 27.5 |
| 3/18/2021 | ND<0.03 U | 27.5 |
| 5/5/2021 | ND<0.03 U | 27.5 |
| 9/2/2021 | ND<0.03 U | 27.5 |
| 11/23/2021 | ND<0.03 U | 27.5 |
| 1/11/2022 | ND<0.03 U | 27.5 |
| 4/7/2022 | ND<0.03 U | 27.5 |
| 8/2/2022 | ND<0.03 U | 27.5 |
| 11/16/2022 | ND<0.03 U | 27.5 |
| 2/14/2023 | ND<0.03 U | 27.5 |
| 5/25/2023 | ND<0.014 U | 27.5 |
| 8/7/2023 | ND<0.03 U | 27.5 |
| 12/12/2023 | ND<0.014 U | 27.5 |
| 1/10/2024 | 0.025 | 56 |
| 5/21/2024 | ND<0.03 U | 27.5 |
| 9/16/2024 | ND<0.014 U | 27.5 |
| 12/11/2024 | ND<0.0196 U | 27.5 |
| 2/18/2025 | 0.048 | 61 |

The Wilcoxon Statistic is 426
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.131969
The Standard Deviation adjusted for ties is 45.8678
The Z Score adjusted for ties is 0.196216
0.131969 < 2.326 indicating no statistical significance at 1% level
0.196216 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 53 |
| | 3/18/2021 | 21.6 | 58 |
| | 5/5/2021 | 27.5 | 61 |
| | 11/23/2021 | 9.2 | 27 |
| | 1/11/2022 | 15.6 | 50 |
| | 4/7/2022 | 20.9 | 57 |
| | 8/2/2022 | 6 | 15 |
| | 11/16/2022 | 10.5 | 31 |
| | 2/14/2023 | 22.5 | 59 |
| | 5/25/2023 | 6.71 | 22 |
| | 8/7/2023 | 7 | 23 |
| | 12/12/2023 | 13.8 | 45 |
| | 1/10/2024 | 34.4 | 62 |
| | 5/21/2024 | 12 | 39 |
| | 9/16/2024 | 11.5 | 35 |
| | 12/11/2024 | 11.6 | 36 |
| | 2/18/2025 | 45.1 | 63 |
| RC 2 | 3/12/2013 | 14 | 47 |
| | 5/8/2013 | 12 | 40 |
| | 9/23/2013 | 6.3 | 19 |
| | 12/10/2013 | 10 | 30 |
| | 2/6/2014 | 9.6 | 28 |
| | 6/26/2014 | 7.2 | 24 |
| | 9/30/2014 | 2.5 | 2 |
| | 11/19/2014 | 11 | 34 |
| | 3/23/2015 | 18 | 54 |
| | 4/22/2015 | 4.8 | 7 |
| | 9/30/2015 | 4.6 | 6 |
| | 11/19/2015 | 14.4 | 48 |
| | 3/15/2016 | 6 | 16 |
| | 6/29/2016 | 10.9 | 33 |
| | 8/9/2016 | 9.9 | 29 |
| | 12/7/2016 | 11.9 | 38 |
| | 3/2/2017 | 8 | 25 |
| | 6/21/2017 | 12.3 | 41 |
| | 8/17/2017 | 72.2 | 64 |
| | 10/26/2017 | 17.5 | 52 |
| | 3/27/2018 | 12.5 | 42 |
| | 6/26/2018 | 13 | 43 |
| | 8/1/2018 | 84.4 | 65 |
| | 12/11/2018 | 3.1 | 3 |
| | 4/17/2019 | ND<5 U | 1 |
| | 6/11/2019 | 5.2 | 10 |
| | 8/28/2019 | 4.8 | 8 |

| | | |
|---|---|---|
| 10/28/2019 | 3.4 | 4 |
| 3/31/2020 | 90 | 66 |
| 6/10/2020 | 10.8 | 32 |
| 9/21/2020 | 5.2 | 11 |
| 12/17/2020 | 5.4 | 14 |
| 3/18/2021 | 26.8 | 60 |
| 5/5/2021 | 15.6 | 51 |
| 9/2/2021 | 3.4 | 5 |
| 11/23/2021 | 19.2 | 56 |
| 1/10/2022 | 9 | 26 |
| 4/7/2022 | 5 | 9 |
| 8/3/2022 | 13.8 | 46 |
| 11/16/2022 | 13.4 | 44 |
| 2/13/2023 | 5.3 | 12 |
| 5/24/2023 | 5.3 | 13 |
| 8/7/2023 | 6.2 | 18 |
| 12/12/2023 | 6.6 | 21 |
| 1/10/2024 | 15.2 | 49 |
| 5/20/2024 | 11.7 | 37 |
| 9/16/2024 | 6.13 | 17 |
| 12/11/2024 | 18.2 | 55 |
| 2/18/2025 | 6.4 | 20 |

The Wilcoxon Statistic is 250
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -2.44877
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is -2.44877
-2.44877 < 2.326 indicating no statistical significance at 1% level
-2.44877 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 7
Non detect rank is 4

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 9 |
| | 3/18/2021 | 0.331 | 16 |
| | 5/5/2021 | ND<0.25 U | 4 |
| | 11/23/2021 | ND<0.25 U | 4 |
| | 1/11/2022 | 0.97 | 65 |
| | 4/7/2022 | 0.254 | 8 |
| | 8/2/2022 | 0.274 | 11 |
| | 11/16/2022 | 0.382 | 20 |
| | 2/14/2023 | 0.484 | 36 |
| | 5/25/2023 | 0.513 | 42 |
| | 8/7/2023 | 0.436 | 31 |
| | 12/12/2023 | 0.497 | 37 |
| | 1/10/2024 | 0.327 | 14 |
| | 5/21/2024 | 0.565 | 49 |
| | 9/16/2024 | 0.709 | 55 |
| | 12/11/2024 | 0.305 | 13 |
| | 2/18/2025 | 0.434 | 29 |
| RC 2 | 3/12/2013 | 0.75 | 58 |
| | 5/8/2013 | 0.55 | 47 |
| | 9/23/2013 | 0.43 | 25 |
| | 12/10/2013 | 0.54 | 46 |
| | 2/6/2014 | 0.43 | 26 |
| | 6/26/2014 | 0.44 | 32 |
| | 9/30/2014 | 0.4 | 23 |
| | 11/19/2014 | 0.43 | 27 |
| | 3/23/2015 | 0.81 | 62 |
| | 4/22/2015 | ND<0.25 U | 4 |
| | 9/30/2015 | ND<0.25 U | 4 |
| | 11/19/2015 | 0.75 | 59 |
| | 3/15/2016 | 0.43 | 28 |
| | 6/29/2016 | 0.35 | 18 |
| | 8/9/2016 | 0.45 | 33 |
| | 12/7/2016 | 0.53 | 45 |
| | 3/2/2017 | 0.45 | 34 |
| | 6/21/2017 | 0.51 | 41 |
| | 8/17/2017 | 0.72 | 56 |
| | 10/26/2017 | 0.27 | 10 |
| | 3/27/2018 | ND<0.25 U | 4 |
| | 6/26/2018 | 0.802 | 60 |
| | 8/1/2018 | 0.506 | 40 |
| | 12/11/2018 | 0.479 | 35 |
| | 4/17/2019 | 0.288 | 12 |
| | 6/11/2019 | 0.52 | 44 |
| | 8/28/2019 | 0.748 | 57 |

| | | |
|---|---|---|
| 10/28/2019 | ND<0.25 U | 4 |
| 3/31/2020 | 0.574 | 50 |
| 6/10/2020 | 0.33 | 15 |
| 9/21/2020 | ND<0.25 U | 4 |
| 12/17/2020 | 0.396 | 22 |
| 3/18/2021 | 0.611 | 51 |
| 5/5/2021 | 0.892 | 64 |
| 9/2/2021 | 0.802 | 61 |
| 11/23/2021 | 0.34 | 17 |
| 1/10/2022 | 0.501 | 38 |
| 4/7/2022 | 0.386 | 21 |
| 8/3/2022 | 0.352 | 19 |
| 11/16/2022 | 0.434 | 30 |
| 2/13/2023 | 0.636 | 53 |
| 5/24/2023 | 22.8 | 66 |
| 8/7/2023 | 0.676 | 54 |
| 12/12/2023 | 0.634 | 52 |
| 1/10/2024 | 0.816 | 63 |
| 5/20/2024 | 0.424 | 24 |
| 9/16/2024 | 0.502 | 39 |
| 12/11/2024 | 0.559 | 48 |
| 2/18/2025 | 0.519 | 43 |

The Wilcoxon Statistic is 543
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 1.84757
The Standard Deviation adjusted for ties is 68.1578
The Z Score adjusted for ties is 1.84865
1.84757 < 2.326 indicating no statistical significance at 1% level
1.84865 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 17
Non detect rank is 9

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 61 |
| | 3/18/2021 | 0.319 | 58 |
| | 5/5/2021 | 0.213 | 49 |
| | 11/23/2021 | 0.164 | 35 |
| | 1/11/2022 | 0.44 | 64 |
| | 4/7/2022 | 0.273 | 55 |
| | 8/2/2022 | 0.102 | 19 |
| | 11/16/2022 | ND<0.1 U | 9 |
| | 2/14/2023 | 0.416 | 63 |
| | 5/25/2023 | ND<0.05 U | 9 |
| | 8/7/2023 | ND<0.1 U | 9 |
| | 12/12/2023 | 0.14 | 26 |
| | 1/10/2024 | 0.354 | 59 |
| | 5/21/2024 | 0.143 | 30 |
| | 9/16/2024 | ND<0.05 U | 9 |
| | 12/11/2024 | 0.202 | 47 |
| | 2/18/2025 | 0.368 | 60 |
| RC 2 | 3/12/2013 | 0.12 | 21 |
| | 5/8/2013 | 0.19 | 44 |
| | 9/23/2013 | ND<0.1 U | 9 |
| | 12/10/2013 | 0.11 | 20 |
| | 2/6/2014 | 0.26 | 52 |
| | 6/26/2014 | 0.15 | 33 |
| | 9/30/2014 | ND<0.1 U | 9 |
| | 11/19/2014 | 0.17 | 38 |
| | 3/23/2015 | 0.15 | 34 |
| | 4/22/2015 | 0.26 | 53 |
| | 9/30/2015 | ND<0.1 U | 9 |
| | 11/19/2015 | 0.27 | 54 |
| | 3/15/2016 | 0.18 | 41 |
| | 6/29/2016 | ND<0.1 U | 9 |
| | 8/9/2016 | 0.14 | 27 |
| | 12/7/2016 | 0.2 | 46 |
| | 3/2/2017 | 0.17 | 39 |
| | 6/21/2017 | ND<0.1 U | 9 |
| | 8/17/2017 | ND<0.1 U | 9 |
| | 10/26/2017 | ND<0.1 U | 9 |
| | 3/27/2018 | 0.146 | 32 |
| | 6/26/2018 | 0.101 | 18 |
| | 8/1/2018 | ND<0.1 U | 9 |
| | 12/11/2018 | 0.316 | 57 |
| | 4/17/2019 | 0.165 | 36 |
| | 6/11/2019 | ND<0.1 U | 9 |
| | 8/28/2019 | ND<0.1 U | 9 |

| | | |
|---|---|---|
| 10/28/2019 | 0.132 | 25 |
| 3/31/2020 | 0.19 | 45 |
| 6/10/2020 | 0.21 | 48 |
| 9/21/2020 | ND<0.1 U | 9 |
| 12/17/2020 | 0.218 | 50 |
| 3/18/2021 | 0.145 | 31 |
| 5/5/2021 | 7.91 | 66 |
| 9/2/2021 | 0.122 | 22 |
| 11/23/2021 | 0.124 | 23 |
| 1/10/2022 | 0.185 | 42 |
| 4/7/2022 | 0.186 | 43 |
| 8/3/2022 | 0.175 | 40 |
| 11/16/2022 | 0.126 | 24 |
| 2/13/2023 | 0.273 | 56 |
| 5/24/2023 | 0.142 | 28 |
| 8/7/2023 | ND<0.1 U | 9 |
| 12/12/2023 | 0.166 | 37 |
| 1/10/2024 | 0.511 | 65 |
| 5/20/2024 | 0.142 | 29 |
| 9/16/2024 | ND<0.05 U | 9 |
| 12/11/2024 | 0.248 | 51 |
| 2/18/2025 | 0.405 | 62 |

The Wilcoxon Statistic is 324
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -1.36368
The Standard Deviation adjusted for ties is 67.6143
The Z Score adjusted for ties is -1.37545
-1.36368 < 2.326 indicating no statistical significance at 1% level
-1.37545 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 46
Non detect rank is 23.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 23.5 |
| | 3/18/2021 | ND<0.1 U | 23.5 |
| | 5/5/2021 | ND<0.1 U | 23.5 |
| | 11/23/2021 | ND<0.1 U | 23.5 |
| | 1/11/2022 | ND<0.1 U | 23.5 |
| | 4/7/2022 | ND<0.1 U | 23.5 |
| | 8/2/2022 | ND<0.1 U | 23.5 |
| | 11/16/2022 | ND<0.1 U | 23.5 |
| | 2/14/2023 | ND<0.1 U | 23.5 |
| | 5/25/2023 | ND<0.035 U | 23.5 |
| | 8/7/2023 | 0.0866 | 57 |
| | 12/12/2023 | 0.0454 | 49 |
| | 1/10/2024 | 0.0532 | 51 |
| | 5/21/2024 | 0.0925 | 58 |
| | 9/16/2024 | 0.0824 | 55 |
| | 12/11/2024 | 0.0652 | 52 |
| | 2/18/2025 | 0.0946 | 59 |
| RC 2 | 3/12/2013 | ND<0.1 U | 23.5 |
| | 5/8/2013 | ND<0.1 U | 23.5 |
| | 9/23/2013 | ND<0.1 U | 23.5 |
| | 12/10/2013 | ND<0.1 U | 23.5 |
| | 2/6/2014 | ND<0.1 U | 23.5 |
| | 6/26/2014 | ND<0.1 U | 23.5 |
| | 9/30/2014 | ND<0.1 U | 23.5 |
| | 11/19/2014 | ND<0.1 U | 23.5 |
| | 3/23/2015 | ND<0.1 U | 23.5 |
| | 4/22/2015 | ND<0.1 U | 23.5 |
| | 9/30/2015 | ND<0.1 U | 23.5 |
| | 11/19/2015 | 0.13 | 63 |
| | 3/15/2016 | ND<0.1 U | 23.5 |
| | 6/29/2016 | ND<0.1 U | 23.5 |
| | 8/9/2016 | ND<0.1 U | 23.5 |
| | 12/7/2016 | ND<0.1 U | 23.5 |
| | 3/2/2017 | ND<0.1 U | 23.5 |
| | 6/21/2017 | ND<0.1 U | 23.5 |
| | 8/17/2017 | 0.13 | 64 |
| | 10/26/2017 | ND<0.1 U | 23.5 |
| | 3/27/2018 | ND<0.1 U | 23.5 |
| | 6/26/2018 | ND<0.1 U | 23.5 |
| | 8/1/2018 | ND<0.1 U | 23.5 |
| | 12/11/2018 | ND<0.1 U | 23.5 |
| | 4/17/2019 | ND<0.1 U | 23.5 |
| | 6/11/2019 | ND<0.1 U | 23.5 |
| | 8/28/2019 | ND<0.1 U | 23.5 |

| | | |
|---|---|---|
| 10/28/2019 | 0.2 | 66 |
| 3/31/2020 | 0.12 | 61 |
| 6/10/2020 | ND<0.1 U | 23.5 |
| 9/21/2020 | ND<0.1 U | 23.5 |
| 12/17/2020 | ND<0.1 U | 23.5 |
| 3/18/2021 | ND<0.1 U | 23.5 |
| 5/5/2021 | ND<0.1 U | 23.5 |
| 9/2/2021 | ND<0.1 U | 23.5 |
| 11/23/2021 | ND<0.1 U | 23.5 |
| 1/10/2022 | ND<0.1 U | 23.5 |
| 4/7/2022 | 0.144 | 65 |
| 8/3/2022 | ND<0.1 U | 23.5 |
| 11/16/2022 | ND<0.1 U | 23.5 |
| 2/13/2023 | ND<0.1 U | 23.5 |
| 5/24/2023 | 0.0469 | 50 |
| 8/7/2023 | 0.0662 | 53 |
| 12/12/2023 | 0.0448 | 48 |
| 1/10/2024 | 0.0428 | 47 |
| 5/20/2024 | 0.0687 | 54 |
| 9/16/2024 | 0.106 | 60 |
| 12/11/2024 | 0.083 | 56 |
| 2/18/2025 | 0.12 | 62 |

The Wilcoxon Statistic is 370
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -0.689174
The Standard Deviation adjusted for ties is 55.4677
The Z Score adjusted for ties is -0.84734
-0.689174 < 2.326 indicating no statistical significance at 1% level
-0.84734 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: RC 2

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 54
Non detect rank is 27.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 27.5 |
| | 3/18/2021 | ND<0.03 U | 27.5 |
| | 5/5/2021 | ND<0.03 U | 27.5 |
| | 11/23/2021 | ND<0.03 U | 27.5 |
| | 1/11/2022 | ND<0.03 U | 27.5 |
| | 4/7/2022 | 0.06 | 63 |
| | 8/2/2022 | ND<0.03 U | 27.5 |
| | 11/16/2022 | ND<0.03 U | 27.5 |
| | 2/14/2023 | ND<0.03 U | 27.5 |
| | 5/25/2023 | ND<0.014 U | 27.5 |
| | 8/7/2023 | ND<0.03 U | 27.5 |
| | 12/12/2023 | ND<0.014 U | 27.5 |
| | 1/10/2024 | 0.02 | 57 |
| | 5/21/2024 | ND<0.03 U | 27.5 |
| | 9/16/2024 | ND<0.014 U | 27.5 |
| | 12/11/2024 | ND<0.0196 U | 27.5 |
| | 2/18/2025 | 0.033 | 60 |
| RC 2 | 3/12/2013 | 0.088 | 66 |
| | 5/8/2013 | ND<0.025 U | 27.5 |
| | 9/23/2013 | ND<0.025 U | 27.5 |
| | 12/10/2013 | 0.062 | 64 |
| | 2/6/2014 | ND<0.025 U | 27.5 |
| | 6/26/2014 | ND<0.025 U | 27.5 |
| | 9/30/2014 | ND<0.025 U | 27.5 |
| | 11/19/2014 | ND<0.025 U | 27.5 |
| | 3/23/2015 | 0.044 | 61 |
| | 4/22/2015 | ND<0.025 U | 27.5 |
| | 9/30/2015 | ND<0.025 U | 27.5 |
| | 11/19/2015 | ND<0.025 U | 27.5 |
| | 3/15/2016 | ND<0.025 U | 27.5 |
| | 6/29/2016 | 0.077 | 65 |
| | 8/9/2016 | ND<0.025 U | 27.5 |
| | 12/7/2016 | ND<0.025 U | 27.5 |
| | 3/2/2017 | ND<0.025 U | 27.5 |
| | 6/21/2017 | ND<0.025 U | 27.5 |
| | 8/17/2017 | ND<0.025 U | 27.5 |
| | 10/26/2017 | ND<0.025 U | 27.5 |
| | 3/27/2018 | ND<0.025 U | 27.5 |
| | 6/26/2018 | ND<0.025 U | 27.5 |
| | 8/1/2018 | ND<0.025 U | 27.5 |
| | 12/11/2018 | ND<0.025 U | 27.5 |
| | 4/17/2019 | ND<0.025 U | 27.5 |
| | 6/11/2019 | ND<0.025 U | 27.5 |
| | 8/28/2019 | ND<0.025 U | 27.5 |

| | | |
|---|---|---|
| 10/28/2019 | ND<0.025 U | 27.5 |
| 3/31/2020 | 0.029 | 59 |
| 6/10/2020 | ND<0.03 U | 27.5 |
| 9/21/2020 | ND<0.03 U | 27.5 |
| 12/17/2020 | ND<0.03 U | 27.5 |
| 3/18/2021 | ND<0.03 U | 27.5 |
| 5/5/2021 | ND<0.03 U | 27.5 |
| 9/2/2021 | ND<0.03 U | 27.5 |
| 11/23/2021 | ND<0.03 U | 27.5 |
| 1/10/2022 | ND<0.03 U | 27.5 |
| 4/7/2022 | ND<0.03 U | 27.5 |
| 8/3/2022 | ND<0.03 U | 27.5 |
| 11/16/2022 | ND<0.03 U | 27.5 |
| 2/13/2023 | ND<0.03 U | 27.5 |
| 5/24/2023 | ND<0.014 U | 27.5 |
| 8/7/2023 | ND<0.03 U | 27.5 |
| 12/12/2023 | ND<0.014 U | 27.5 |
| 1/10/2024 | 0.015 | 55 |
| 5/20/2024 | 0.016 | 56 |
| 9/16/2024 | 0.024 | 58 |
| 12/11/2024 | ND<0.0196 U | 27.5 |
| 2/18/2025 | 0.055 | 62 |

The Wilcoxon Statistic is 421
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.0586531
The Standard Deviation adjusted for ties is 45.8678
The Z Score adjusted for ties is 0.0872071
0.0586531 < 2.326 indicating no statistical significance at 1% level
0.0872071 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: RC 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 40 |
| | 3/18/2021 | 21.6 | 46 |
| | 5/5/2021 | 27.5 | 50 |
| | 11/23/2021 | 9.2 | 10 |
| | 1/11/2022 | 15.6 | 32 |
| | 4/7/2022 | 20.9 | 44 |
| | 8/2/2022 | 6 | 2 |
| | 11/16/2022 | 10.5 | 12 |
| | 2/14/2023 | 22.5 | 47 |
| | 5/25/2023 | 6.71 | 3 |
| | 8/7/2023 | 7 | 4 |
| | 12/12/2023 | 13.8 | 25 |
| | 1/10/2024 | 34.4 | 54 |
| | 5/21/2024 | 12 | 19 |
| | 9/16/2024 | 11.5 | 17 |
| | 12/11/2024 | 11.6 | 18 |
| | 2/18/2025 | 45.1 | 60 |
| RC 14 | 3/12/2013 | 21 | 45 |
| | 5/8/2013 | 16 | 34 |
| | 9/23/2013 | 13 | 24 |
| | 12/10/2013 | 16 | 35 |
| | 2/6/2014 | 18 | 42 |
| | 6/26/2014 | 5.9 | 1 |
| | 9/19/2014 | 28 | 51 |
| | 9/30/2014 | 12 | 20 |
| | 3/23/2015 | 34 | 53 |
| | 4/22/2015 | 15 | 30 |
| | 9/30/2015 | 12.6 | 23 |
| | 11/19/2015 | 36 | 56 |
| | 3/15/2016 | 69.6 | 64 |
| | 6/29/2016 | 17.5 | 39 |
| | 8/9/2016 | 8.5 | 7 |
| | 12/7/2016 | 8.6 | 8 |
| | 3/2/2017 | 14.6 | 29 |
| | 7/5/2017 | 35 | 55 |
| | 8/16/2017 | 12.4 | 22 |
| | 10/25/2017 | 27.2 | 49 |
| | 3/28/2018 | 10.9 | 14 |
| | 6/29/2018 | 13.8 | 26 |
| | 8/2/2018 | 17.3 | 38 |
| | 12/10/2018 | 16.9 | 36 |
| | 4/15/2019 | 36 | 57 |
| | 6/12/2019 | 12.3 | 21 |
| | 8/27/2019 | 8.8 | 9 |

| | | |
|---|---|---|
| 10/29/2019 | 10.6 | 13 |
| 3/30/2020 | 15.7 | 33 |
| 6/16/2020 | 11.4 | 16 |
| 9/21/2020 | 8.2 | 5 |
| 12/17/2020 | 14.4 | 27 |
| 3/18/2021 | 51.6 | 62 |
| 5/5/2021 | 30.4 | 52 |
| 9/2/2021 | 23.2 | 48 |
| 11/23/2021 | 40.2 | 59 |
| 1/11/2022 | 20.6 | 43 |
| 4/7/2022 | 178 | 65 |
| 8/2/2022 | 11.1 | 15 |
| 11/16/2022 | 9.2 | 11 |
| 2/14/2023 | 17.9 | 41 |
| 5/25/2023 | 17.2 | 37 |
| 8/7/2023 | 15 | 31 |
| 12/12/2023 | 38.2 | 58 |
| 1/10/2024 | 50 | 61 |
| 5/21/2024 | 8.4 | 6 |
| 9/16/2024 | 14.4 | 28 |
| 12/11/2024 | 65.6 | 63 |
| 2/18/2025 | 250 | 66 |

The Wilcoxon Statistic is 503
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 1.26104
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is 1.26104
1.26104 < 2.326 indicating no statistical significance at 1% level
1.26104 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: RC 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 5
Non detect rank is 3

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 9 |
| | 3/18/2021 | 0.331 | 14 |
| | 5/5/2021 | ND<0.25 U | 3 |
| | 11/23/2021 | ND<0.25 U | 3 |
| | 1/11/2022 | 0.97 | 63 |
| | 4/7/2022 | 0.254 | 8 |
| | 8/2/2022 | 0.274 | 10 |
| | 11/16/2022 | 0.382 | 18 |
| | 2/14/2023 | 0.484 | 35 |
| | 5/25/2023 | 0.513 | 39 |
| | 8/7/2023 | 0.436 | 28 |
| | 12/12/2023 | 0.497 | 36 |
| | 1/10/2024 | 0.327 | 13 |
| | 5/21/2024 | 0.565 | 45 |
| | 9/16/2024 | 0.709 | 56 |
| | 12/11/2024 | 0.305 | 11 |
| | 2/18/2025 | 0.434 | 27 |
| RC 14 | 3/12/2013 | 0.61 | 49 |
| | 5/8/2013 | 0.63 | 51 |
| | 9/23/2013 | 0.58 | 47 |
| | 12/10/2013 | 0.69 | 54 |
| | 2/6/2014 | 0.7 | 55 |
| | 6/26/2014 | 0.39 | 19 |
| | 9/19/2014 | 0.52 | 40 |
| | 9/30/2014 | 0.4 | 21 |
| | 3/23/2015 | 1.1 | 64 |
| | 4/22/2015 | 0.4 | 22 |
| | 9/30/2015 | 0.45 | 29 |
| | 11/19/2015 | 0.63 | 52 |
| | 3/15/2016 | 0.43 | 26 |
| | 6/29/2016 | 0.46 | 32 |
| | 8/9/2016 | 0.55 | 42 |
| | 12/7/2016 | 0.25 | 6 |
| | 3/2/2017 | 0.61 | 50 |
| | 7/5/2017 | 0.36 | 17 |
| | 8/16/2017 | 0.4 | 23 |
| | 10/25/2017 | 0.47 | 33 |
| | 3/28/2018 | ND<0.25 U | 3 |
| | 6/29/2018 | 0.722 | 57 |
| | 8/2/2018 | 0.848 | 61 |
| | 12/10/2018 | 1.4 | 65 |
| | 4/15/2019 | 0.403 | 24 |
| | 6/12/2019 | 0.25 | 7 |
| | 8/27/2019 | 0.391 | 20 |

| | | |
|---|---|---|
| 10/29/2019 | 0.478 | 34 |
| 3/30/2020 | 0.451 | 30 |
| 6/16/2020 | 0.56 | 43 |
| 9/21/2020 | 0.307 | 12 |
| 12/17/2020 | 0.497 | 37 |
| 3/18/2021 | 0.779 | 59 |
| 5/5/2021 | 0.566 | 46 |
| 9/2/2021 | 0.35 | 16 |
| 11/23/2021 | ND<0.25 U | 3 |
| 1/11/2022 | 1.5 | 66 |
| 4/7/2022 | 0.548 | 41 |
| 8/2/2022 | 0.332 | 15 |
| 11/16/2022 | ND<0.25 U | 3 |
| 2/14/2023 | 0.423 | 25 |
| 5/25/2023 | 0.945 | 62 |
| 8/7/2023 | 0.604 | 48 |
| 12/12/2023 | 0.451 | 31 |
| 1/10/2024 | 0.785 | 60 |
| 5/21/2024 | 0.667 | 53 |
| 9/16/2024 | 0.738 | 58 |
| 12/11/2024 | 0.561 | 44 |
| 2/18/2025 | 0.501 | 38 |

The Wilcoxon Statistic is 568
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 2.21415
The Standard Deviation adjusted for ties is 68.1834
The Z Score adjusted for ties is 2.21462
2.21415 < 2.326 indicating no statistical significance at 1% level
2.21462 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: RC 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 32
Non detect rank is 16.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 64 |
| | 3/18/2021 | 0.319 | 61 |
| | 5/5/2021 | 0.213 | 53 |
| | 11/23/2021 | 0.164 | 47 |
| | 1/11/2022 | 0.44 | 66 |
| | 4/7/2022 | 0.273 | 57 |
| | 8/2/2022 | 0.102 | 33 |
| | 11/16/2022 | ND<0.1 U | 16.5 |
| | 2/14/2023 | 0.416 | 65 |
| | 5/25/2023 | ND<0.05 U | 16.5 |
| | 8/7/2023 | ND<0.1 U | 16.5 |
| | 12/12/2023 | 0.14 | 39 |
| | 1/10/2024 | 0.354 | 62 |
| | 5/21/2024 | 0.143 | 44 |
| | 9/16/2024 | ND<0.05 U | 16.5 |
| | 12/11/2024 | 0.202 | 50 |
| | 2/18/2025 | 0.368 | 63 |
| RC 14 | 3/12/2013 | ND<0.1 U | 16.5 |
| | 5/8/2013 | 0.14 | 40 |
| | 9/23/2013 | ND<0.1 U | 16.5 |
| | 12/10/2013 | ND<0.1 U | 16.5 |
| | 2/6/2014 | 0.16 | 46 |
| | 6/26/2014 | ND<0.1 U | 16.5 |
| | 9/19/2014 | ND<0.1 U | 16.5 |
| | 9/30/2014 | ND<0.1 U | 16.5 |
| | 3/23/2015 | 0.26 | 55 |
| | 4/22/2015 | 0.2 | 49 |
| | 9/30/2015 | ND<0.1 U | 16.5 |
| | 11/19/2015 | 0.14 | 41 |
| | 3/15/2016 | 0.11 | 36 |
| | 6/29/2016 | ND<0.1 U | 16.5 |
| | 8/9/2016 | ND<0.1 U | 16.5 |
| | 12/7/2016 | ND<0.1 U | 16.5 |
| | 3/2/2017 | 0.12 | 37 |
| | 7/5/2017 | 0.28 | 58 |
| | 8/16/2017 | 0.21 | 51 |
| | 10/25/2017 | 0.24 | 54 |
| | 3/28/2018 | 0.148 | 45 |
| | 6/29/2018 | ND<0.1 U | 16.5 |
| | 8/2/2018 | ND<0.1 U | 16.5 |
| | 12/10/2018 | ND<0.1 U | 16.5 |
| | 4/15/2019 | 0.108 | 35 |
| | 6/12/2019 | 0.12 | 38 |
| | 8/27/2019 | ND<0.1 U | 16.5 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 16.5 |
| 3/30/2020 | ND<0.1 U | 16.5 |
| 6/16/2020 | 0.141 | 42 |
| 9/21/2020 | ND<0.1 U | 16.5 |
| 12/17/2020 | 0.261 | 56 |
| 3/18/2021 | ND<0.1 U | 16.5 |
| 5/5/2021 | ND<0.1 U | 16.5 |
| 9/2/2021 | 0.21 | 52 |
| 11/23/2021 | ND<0.1 U | 16.5 |
| 1/11/2022 | 0.17 | 48 |
| 4/7/2022 | ND<0.1 U | 16.5 |
| 8/2/2022 | ND<0.1 U | 16.5 |
| 11/16/2022 | ND<0.1 U | 16.5 |
| 2/14/2023 | 0.107 | 34 |
| 5/25/2023 | ND<0.05 U | 16.5 |
| 8/7/2023 | ND<0.1 U | 16.5 |
| 12/12/2023 | ND<0.05 U | 16.5 |
| 1/10/2024 | 0.294 | 59 |
| 5/21/2024 | ND<0.1 U | 16.5 |
| 9/16/2024 | ND<0.05 U | 16.5 |
| 12/11/2024 | 0.315 | 60 |
| 2/18/2025 | 0.141 | 43 |

The Wilcoxon Statistic is 216
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -2.94732
The Standard Deviation adjusted for ties is 64.1967
The Z Score adjusted for ties is -3.131
-2.94732 < 2.326 indicating no statistical significance at 1% level
-3.131 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: RC 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 39
Non detect rank is 20

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 20 |
| | 3/18/2021 | ND<0.1 U | 20 |
| | 5/5/2021 | ND<0.1 U | 20 |
| | 11/23/2021 | ND<0.1 U | 20 |
| | 1/11/2022 | ND<0.1 U | 20 |
| | 4/7/2022 | ND<0.1 U | 20 |
| | 8/2/2022 | ND<0.1 U | 20 |
| | 11/16/2022 | ND<0.1 U | 20 |
| | 2/14/2023 | ND<0.1 U | 20 |
| | 5/25/2023 | ND<0.035 U | 20 |
| | 8/7/2023 | 0.0866 | 48 |
| | 12/12/2023 | 0.0454 | 41 |
| | 1/10/2024 | 0.0532 | 42 |
| | 5/21/2024 | 0.0925 | 49 |
| | 9/16/2024 | 0.0824 | 46 |
| | 12/11/2024 | 0.0652 | 43 |
| | 2/18/2025 | 0.0946 | 50 |
| RC 14 | 3/12/2013 | ND<0.1 U | 20 |
| | 5/8/2013 | ND<0.1 U | 20 |
| | 9/23/2013 | ND<0.1 U | 20 |
| | 12/10/2013 | 0.11 | 55 |
| | 2/6/2014 | 0.11 | 56 |
| | 6/26/2014 | ND<0.1 U | 20 |
| | 9/19/2014 | 0.13 | 58 |
| | 9/30/2014 | ND<0.1 U | 20 |
| | 3/23/2015 | ND<0.1 U | 20 |
| | 4/22/2015 | ND<0.1 U | 20 |
| | 9/30/2015 | ND<0.1 U | 20 |
| | 11/19/2015 | 0.14 | 59 |
| | 3/15/2016 | 0.3 | 66 |
| | 6/29/2016 | ND<0.1 U | 20 |
| | 8/9/2016 | ND<0.1 U | 20 |
| | 12/7/2016 | ND<0.1 U | 20 |
| | 3/2/2017 | 0.1 U | 51 |
| | 7/5/2017 | ND<0.1 U | 20 |
| | 8/16/2017 | ND<0.1 U | 20 |
| | 10/25/2017 | 0.15 | 61 |
| | 3/28/2018 | ND<0.1 U | 20 |
| | 6/29/2018 | ND<0.1 U | 20 |
| | 8/2/2018 | ND<0.1 U | 20 |
| | 12/10/2018 | 0.169 | 63 |
| | 4/15/2019 | ND<0.1 U | 20 |
| | 6/12/2019 | ND<0.1 U | 20 |
| | 8/27/2019 | 0.141 | 60 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 20 |
| 3/30/2020 | ND<0.1 U | 20 |
| 6/16/2020 | ND<0.1 U | 20 |
| 9/21/2020 | 0.202 | 64 |
| 12/17/2020 | ND<0.1 U | 20 |
| 3/18/2021 | ND<0.1 U | 20 |
| 5/5/2021 | ND<0.1 U | 20 |
| 9/2/2021 | ND<0.1 U | 20 |
| 11/23/2021 | 0.103 | 53 |
| 1/11/2022 | ND<0.1 U | 20 |
| 4/7/2022 | 0.101 | 52 |
| 8/2/2022 | ND<0.1 U | 20 |
| 11/16/2022 | ND<0.1 U | 20 |
| 2/14/2023 | ND<0.1 U | 20 |
| 5/25/2023 | 0.085 | 47 |
| 8/7/2023 | 0.15 | 62 |
| 12/12/2023 | 0.0358 | 40 |
| 1/10/2024 | 0.117 | 57 |
| 5/21/2024 | 0.08 | 45 |
| 9/16/2024 | 0.0709 | 44 |
| 12/11/2024 | 0.108 | 54 |
| 2/18/2025 | 0.236 | 65 |

The Wilcoxon Statistic is 467
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.733163
The Standard Deviation adjusted for ties is 60.7594
The Z Score adjusted for ties is 0.822918
0.733163 < 2.326 indicating no statistical significance at 1% level
0.822918 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: RC 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 47
Non detect rank is 24

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 24 |
| | 3/18/2021 | ND<0.03 U | 24 |
| | 5/5/2021 | ND<0.03 U | 24 |
| | 11/23/2021 | ND<0.03 U | 24 |
| | 1/11/2022 | ND<0.03 U | 24 |
| | 4/7/2022 | 0.06 | 60 |
| | 8/2/2022 | ND<0.03 U | 24 |
| | 11/16/2022 | ND<0.03 U | 24 |
| | 2/14/2023 | ND<0.03 U | 24 |
| | 5/25/2023 | ND<0.014 U | 24 |
| | 8/7/2023 | ND<0.03 U | 24 |
| | 12/12/2023 | ND<0.014 U | 24 |
| | 1/10/2024 | 0.02 | 48 |
| | 5/21/2024 | ND<0.03 U | 24 |
| | 9/16/2024 | ND<0.014 U | 24 |
| | 12/11/2024 | ND<0.0196 U | 24 |
| | 2/18/2025 | 0.033 | 50 |
| RC 14 | 3/12/2013 | 0.088 | 64 |
| | 5/8/2013 | ND<0.12 U | 24 |
| | 9/23/2013 | ND<0.025 U | 24 |
| | 12/10/2013 | 0.1 | 66 |
| | 2/6/2014 | 0.036 | 51 |
| | 6/26/2014 | ND<0.025 U | 24 |
| | 9/19/2014 | 0.085 | 63 |
| | 9/30/2014 | ND<0.025 U | 24 |
| | 3/23/2015 | 0.07 | 61 |
| | 4/22/2015 | ND<0.025 U | 24 |
| | 9/30/2015 | ND<0.025 U | 24 |
| | 11/19/2015 | ND<0.025 U | 24 |
| | 3/15/2016 | ND<0.025 U | 24 |
| | 6/29/2016 | 0.037 | 53 |
| | 8/9/2016 | ND<0.025 U | 24 |
| | 12/7/2016 | ND<0.025 U | 24 |
| | 3/2/2017 | ND<0.025 U | 24 |
| | 7/5/2017 | 0.041 | 56 |
| | 8/16/2017 | 0.042 | 57 |
| | 10/25/2017 | 0.088 | 65 |
| | 3/28/2018 | ND<0.025 U | 24 |
| | 6/29/2018 | ND<0.025 U | 24 |
| | 8/2/2018 | 0.055 | 59 |
| | 12/10/2018 | 0.038 | 54 |
| | 4/15/2019 | ND<0.025 U | 24 |
| | 6/12/2019 | ND<0.025 U | 24 |
| | 8/27/2019 | ND<0.025 U | 24 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.025 U | 24 |
| 3/30/2020 | ND<0.025 U | 24 |
| 6/16/2020 | ND<0.03 U | 24 |
| 9/21/2020 | ND<0.03 U | 24 |
| 12/17/2020 | ND<0.03 U | 24 |
| 3/18/2021 | ND<0.03 U | 24 |
| 5/5/2021 | ND<0.03 U | 24 |
| 9/2/2021 | 0.04 | 55 |
| 11/23/2021 | ND<0.03 U | 24 |
| 1/11/2022 | ND<0.03 U | 24 |
| 4/7/2022 | ND<0.03 U | 24 |
| 8/2/2022 | ND<0.03 U | 24 |
| 11/16/2022 | ND<0.03 U | 24 |
| 2/14/2023 | ND<0.03 U | 24 |
| 5/25/2023 | ND<0.014 U | 24 |
| 8/7/2023 | 0.036 | 52 |
| 12/12/2023 | ND<0.014 U | 24 |
| 1/10/2024 | 0.042 | 58 |
| 5/21/2024 | ND<0.03 U | 24 |
| 9/16/2024 | ND<0.014 U | 24 |
| 12/11/2024 | 0.079 | 62 |
| 2/18/2025 | 0.022 | 49 |

The Wilcoxon Statistic is 492
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 1.09974
The Standard Deviation adjusted for ties is 54.5134
The Z Score adjusted for ties is 1.37581
1.09974 < 2.326 indicating no statistical significance at 1% level
1.37581 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 39 |
| | 3/18/2021 | 21.6 | 50 |
| | 5/5/2021 | 27.5 | 55 |
| | 11/23/2021 | 9.2 | 9 |
| | 1/11/2022 | 15.6 | 33 |
| | 4/7/2022 | 20.9 | 47 |
| | 8/2/2022 | 6 | 1 |
| | 11/16/2022 | 10.5 | 12 |
| | 2/14/2023 | 22.5 | 51 |
| | 5/25/2023 | 6.71 | 3 |
| | 8/7/2023 | 7 | 4 |
| | 12/12/2023 | 13.8 | 25 |
| | 1/10/2024 | 34.4 | 60 |
| | 5/21/2024 | 12 | 19 |
| | 9/16/2024 | 11.5 | 17 |
| | 12/11/2024 | 11.6 | 18 |
| | 2/18/2025 | 45.1 | 63 |
| SME 1 | 3/12/2013 | 16 | 34 |
| | 5/8/2013 | 14 | 27 |
| | 9/23/2013 | 15 | 30 |
| | 12/10/2013 | 21 | 49 |
| | 2/6/2014 | 23 | 52 |
| | 6/26/2014 | 13 | 23 |
| | 9/30/2014 | 34 | 58 |
| | 11/19/2014 | 19 | 42 |
| | 3/23/2015 | 14 | 28 |
| | 4/22/2015 | 18 | 40 |
| | 9/30/2015 | 15.3 | 32 |
| | 11/19/2015 | 23.2 | 53 |
| | 3/15/2016 | 17.7 | 37 |
| | 6/29/2016 | 20.3 | 46 |
| | 8/9/2016 | 12.6 | 20 |
| | 12/7/2016 | 17.7 | 38 |
| | 3/2/2017 | 15 | 31 |
| | 6/29/2017 | 18.3 | 41 |
| | 8/16/2017 | 12.7 | 21 |
| | 10/25/2017 | 16.9 | 35 |
| | 3/28/2018 | 19.8 | 44 |
| | 6/29/2018 | 23.3 | 54 |
| | 8/2/2018 | 29.5 | 56 |
| | 12/10/2018 | 31 | 57 |
| | 4/15/2019 | 35 | 61 |
| | 6/12/2019 | 9.7 | 10 |
| | 8/27/2019 | 7.1 | 5 |

| | | |
|---|---|---|
| 10/29/2019 | 11 | 14 |
| 3/30/2020 | 13.3 | 24 |
| 6/16/2020 | 11.4 | 16 |
| 9/21/2020 | 9 | 8 |
| 12/17/2020 | 20.9 | 48 |
| 3/18/2021 | 90.4 | 65 |
| 5/5/2021 | 34 | 59 |
| 9/2/2021 | 35.8 | 62 |
| 11/23/2021 | 12.7 | 22 |
| 1/11/2022 | 17 | 36 |
| 4/7/2022 | 140 | 66 |
| 8/2/2022 | 6.3 | 2 |
| 11/16/2022 | 7.9 | 7 |
| 2/14/2023 | 11.3 | 15 |
| 5/25/2023 | 10.6 | 13 |
| 8/7/2023 | 13.9 | 26 |
| 12/12/2023 | 10.4 | 11 |
| 1/10/2024 | 53 | 64 |
| 5/21/2024 | 14.6 | 29 |
| 9/16/2024 | 7.11 | 6 |
| 12/11/2024 | 19.4 | 43 |
| 2/18/2025 | 20.1 | 45 |

The Wilcoxon Statistic is 480
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.923786
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is 0.923786
0.923786 < 2.326 indicating no statistical significance at 1% level
0.923786 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 10
Non detect rank is 5.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 12 |
| | 3/18/2021 | 0.331 | 23 |
| | 5/5/2021 | ND<0.25 U | 5.5 |
| | 11/23/2021 | ND<0.25 U | 5.5 |
| | 1/11/2022 | 0.97 | 65 |
| | 4/7/2022 | 0.254 | 11 |
| | 8/2/2022 | 0.274 | 14 |
| | 11/16/2022 | 0.382 | 33 |
| | 2/14/2023 | 0.484 | 41 |
| | 5/25/2023 | 0.513 | 46 |
| | 8/7/2023 | 0.436 | 39 |
| | 12/12/2023 | 0.497 | 44 |
| | 1/10/2024 | 0.327 | 22 |
| | 5/21/2024 | 0.565 | 54 |
| | 9/16/2024 | 0.709 | 62 |
| | 12/11/2024 | 0.305 | 19 |
| | 2/18/2025 | 0.434 | 37 |
| SME 1 | 3/12/2013 | 0.34 | 26 |
| | 5/8/2013 | 0.42 | 36 |
| | 9/23/2013 | 0.8 | 63 |
| | 12/10/2013 | 0.47 | 40 |
| | 2/6/2014 | 0.5 | 45 |
| | 6/26/2014 | 0.31 | 21 |
| | 9/30/2014 | 0.61 | 57 |
| | 11/19/2014 | 0.55 | 51 |
| | 3/23/2015 | ND<0.25 U | 5.5 |
| | 4/22/2015 | 0.38 | 31 |
| | 9/30/2015 | 0.81 | 64 |
| | 11/19/2015 | ND<0.25 U | 5.5 |
| | 3/15/2016 | ND<0.25 U | 5.5 |
| | 6/29/2016 | 0.62 | 58 |
| | 8/9/2016 | 0.55 | 52 |
| | 12/7/2016 | 0.38 | 32 |
| | 3/2/2017 | 0.35 | 27 |
| | 6/29/2017 | 0.53 | 48 |
| | 8/16/2017 | 0.52 | 47 |
| | 10/25/2017 | 0.29 | 17 |
| | 3/28/2018 | ND<0.25 U | 5.5 |
| | 6/29/2018 | 0.67 | 59 |
| | 8/2/2018 | 0.495 | 43 |
| | 12/10/2018 | 0.336 | 25 |
| | 4/15/2019 | 0.36 | 30 |
| | 6/12/2019 | ND<0.25 U | 5.5 |
| | 8/27/2019 | 0.356 | 29 |

| | | |
|---|---|---|
| 10/29/2019 | 0.272 | 13 |
| 3/30/2020 | ND<0.25 U | 5.5 |
| 6/16/2020 | 0.485 | 42 |
| 9/21/2020 | ND<0.25 U | 5.5 |
| 12/17/2020 | 0.3 | 18 |
| 3/18/2021 | 0.58 | 55 |
| 5/5/2021 | 0.402 | 34 |
| 9/2/2021 | 0.353 | 28 |
| 11/23/2021 | ND<0.25 U | 5.5 |
| 1/11/2022 | 1.8 | 66 |
| 4/7/2022 | 0.544 | 50 |
| 8/2/2022 | 0.281 | 15 |
| 11/16/2022 | 0.306 | 20 |
| 2/14/2023 | 0.281 | 16 |
| 5/25/2023 | 0.694 | 60 |
| 8/7/2023 | 0.552 | 53 |
| 12/12/2023 | 0.434 | 38 |
| 1/10/2024 | 0.542 | 49 |
| 5/21/2024 | 0.597 | 56 |
| 9/16/2024 | 0.699 | 61 |
| 12/11/2024 | 0.334 | 24 |
| 2/18/2025 | 0.416 | 35 |

The Wilcoxon Statistic is 453
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.527878
The Standard Deviation adjusted for ties is 68.0801
The Z Score adjusted for ties is 0.528789
0.527878 < 2.326 indicating no statistical significance at 1% level
0.528789 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 22
Non detect rank is 11.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 44 |
| | 3/18/2021 | 0.319 | 39 |
| | 5/5/2021 | 0.213 | 33 |
| | 11/23/2021 | 0.164 | 30 |
| | 1/11/2022 | 0.44 | 52 |
| | 4/7/2022 | 0.273 | 36 |
| | 8/2/2022 | 0.102 | 24 |
| | 11/16/2022 | ND<0.1 U | 11.5 |
| | 2/14/2023 | 0.416 | 50 |
| | 5/25/2023 | ND<0.05 U | 11.5 |
| | 8/7/2023 | ND<0.1 U | 11.5 |
| | 12/12/2023 | 0.14 | 27 |
| | 1/10/2024 | 0.354 | 41 |
| | 5/21/2024 | 0.143 | 28 |
| | 9/16/2024 | ND<0.05 U | 11.5 |
| | 12/11/2024 | 0.202 | 32 |
| | 2/18/2025 | 0.368 | 42 |
| SME 1 | 3/12/2013 | 0.54 | 58 |
| | 5/8/2013 | 0.15 | 29 |
| | 9/23/2013 | ND<0.1 U | 11.5 |
| | 12/10/2013 | 0.55 | 59 |
| | 2/6/2014 | 0.55 | 60 |
| | 6/26/2014 | ND<0.1 U | 11.5 |
| | 9/30/2014 | ND<0.1 U | 11.5 |
| | 11/19/2014 | 0.74 | 64 |
| | 3/23/2015 | 0.51 | 56 |
| | 4/22/2015 | 0.4 | 46 |
| | 9/30/2015 | ND<0.1 U | 11.5 |
| | 11/19/2015 | 0.4 | 47 |
| | 3/15/2016 | 0.45 | 53 |
| | 6/29/2016 | ND<0.1 U | 11.5 |
| | 8/9/2016 | ND<0.1 U | 11.5 |
| | 12/7/2016 | 0.41 | 49 |
| | 3/2/2017 | 0.67 | 63 |
| | 6/29/2017 | ND<0.1 U | 11.5 |
| | 8/16/2017 | ND<0.1 U | 11.5 |
| | 10/25/2017 | 0.4 | 48 |
| | 3/28/2018 | 0.633 | 62 |
| | 6/29/2018 | 0.312 | 38 |
| | 8/2/2018 | 0.296 | 37 |
| | 12/10/2018 | 0.259 | 34 |
| | 4/15/2019 | 0.39 | 45 |
| | 6/12/2019 | ND<0.1 U | 11.5 |
| | 8/27/2019 | ND<0.1 U | 11.5 |

| | | |
|---|---|---|
| 10/29/2019 | 0.129 | 26 |
| 3/30/2020 | 0.462 | 55 |
| 6/16/2020 | 0.1 U | 23 |
| 9/21/2020 | ND<0.1 U | 11.5 |
| 12/17/2020 | 0.577 | 61 |
| 3/18/2021 | 0.263 | 35 |
| 5/5/2021 | 0.122 | 25 |
| 9/2/2021 | 0.458 | 54 |
| 11/23/2021 | ND<0.1 U | 11.5 |
| 1/11/2022 | 8.2 | 66 |
| 4/7/2022 | 0.431 | 51 |
| 8/2/2022 | ND<0.1 U | 11.5 |
| 11/16/2022 | ND<0.1 U | 11.5 |
| 2/14/2023 | 0.372 | 43 |
| 5/25/2023 | ND<0.05 U | 11.5 |
| 8/7/2023 | ND<0.1 U | 11.5 |
| 12/12/2023 | 0.172 | 31 |
| 1/10/2024 | 0.511 | 57 |
| 5/21/2024 | ND<0.1 U | 11.5 |
| 9/16/2024 | ND<0.05 U | 11.5 |
| 12/11/2024 | 0.327 | 40 |
| 2/18/2025 | 0.776 | 65 |

The Wilcoxon Statistic is 462
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.659847
The Standard Deviation adjusted for ties is 66.9252
The Z Score adjusted for ties is 0.672393
0.659847 < 2.326 indicating no statistical significance at 1% level
0.672393 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 26
Non detect rank is 13.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 13.5 |
| | 3/18/2021 | ND<0.1 U | 13.5 |
| | 5/5/2021 | ND<0.1 U | 13.5 |
| | 11/23/2021 | ND<0.1 U | 13.5 |
| | 1/11/2022 | ND<0.1 U | 13.5 |
| | 4/7/2022 | ND<0.1 U | 13.5 |
| | 8/2/2022 | ND<0.1 U | 13.5 |
| | 11/16/2022 | ND<0.1 U | 13.5 |
| | 2/14/2023 | ND<0.1 U | 13.5 |
| | 5/25/2023 | ND<0.035 U | 13.5 |
| | 8/7/2023 | 0.0866 | 31 |
| | 12/12/2023 | 0.0454 | 27 |
| | 1/10/2024 | 0.0532 | 28 |
| | 5/21/2024 | 0.0925 | 33 |
| | 9/16/2024 | 0.0824 | 30 |
| | 12/11/2024 | 0.0652 | 29 |
| | 2/18/2025 | 0.0946 | 34 |
| SME 1 | 3/12/2013 | 0.11 | 40 |
| | 5/8/2013 | ND<0.1 U | 13.5 |
| | 9/23/2013 | ND<0.1 U | 13.5 |
| | 12/10/2013 | 0.26 | 61 |
| | 2/6/2014 | 0.13 | 46 |
| | 6/26/2014 | ND<0.1 U | 13.5 |
| | 9/30/2014 | 0.11 | 41 |
| | 11/19/2014 | 0.29 | 66 |
| | 3/23/2015 | 0.1 | 36 |
| | 4/22/2015 | ND<0.1 U | 13.5 |
| | 9/30/2015 | 0.14 | 49 |
| | 11/19/2015 | 0.13 | 47 |
| | 3/15/2016 | ND<0.1 U | 13.5 |
| | 6/29/2016 | 0.25 | 59 |
| | 8/9/2016 | 0.15 | 51 |
| | 12/7/2016 | 0.27 | 64 |
| | 3/2/2017 | 0.21 | 56 |
| | 6/29/2017 | ND<0.1 U | 13.5 |
| | 8/16/2017 | 0.11 | 42 |
| | 10/25/2017 | 0.15 | 52 |
| | 3/28/2018 | ND<0.1 U | 13.5 |
| | 6/29/2018 | 0.24 | 58 |
| | 8/2/2018 | 0.14 | 50 |
| | 12/10/2018 | ND<0.1 U | 13.5 |
| | 4/15/2019 | ND<0.1 U | 13.5 |
| | 6/12/2019 | ND<0.1 U | 13.5 |
| | 8/27/2019 | 0.161 | 53 |

| | | |
|---|---|---|
| 10/29/2019 | 0.134 | 48 |
| 3/30/2020 | ND<0.1 U | 13.5 |
| 6/16/2020 | 0.129 | 45 |
| 9/21/2020 | ND<0.1 U | 13.5 |
| 12/17/2020 | ND<0.1 U | 13.5 |
| 3/18/2021 | 0.112 | 43 |
| 5/5/2021 | 0.1 U | 37 |
| 9/2/2021 | 0.218 | 57 |
| 11/23/2021 | 0.165 | 54 |
| 1/11/2022 | ND<0.1 U | 13.5 |
| 4/7/2022 | 0.255 | 60 |
| 8/2/2022 | ND<0.1 U | 13.5 |
| 11/16/2022 | 0.1 U | 38 |
| 2/14/2023 | ND<0.1 U | 13.5 |
| 5/25/2023 | 0.0961 | 35 |
| 8/7/2023 | 0.17 | 55 |
| 12/12/2023 | 0.262 | 62 |
| 1/10/2024 | 0.264 | 63 |
| 5/21/2024 | 0.112 | 44 |
| 9/16/2024 | 0.0871 | 32 |
| 12/11/2024 | 0.282 | 65 |
| 2/18/2025 | 0.106 | 39 |

The Wilcoxon Statistic is 639
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 3.25525
The Standard Deviation adjusted for ties is 66.0828
The Z Score adjusted for ties is 3.35942
**3.25525 > 2.326 indicating statistical significance  at 1% level**
**3.35942 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 1

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 29
Non detect rank is 15

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 15 |
| | 3/18/2021 | ND<0.03 U | 15 |
| | 5/5/2021 | ND<0.03 U | 15 |
| | 11/23/2021 | ND<0.03 U | 15 |
| | 1/11/2022 | ND<0.03 U | 15 |
| | 4/7/2022 | 0.06 | 42 |
| | 8/2/2022 | ND<0.03 U | 15 |
| | 11/16/2022 | ND<0.03 U | 15 |
| | 2/14/2023 | ND<0.03 U | 15 |
| | 5/25/2023 | ND<0.014 U | 15 |
| | 8/7/2023 | ND<0.03 U | 15 |
| | 12/12/2023 | ND<0.014 U | 15 |
| | 1/10/2024 | 0.02 | 30 |
| | 5/21/2024 | ND<0.03 U | 15 |
| | 9/16/2024 | ND<0.014 U | 15 |
| | 12/11/2024 | ND<0.0196 U | 15 |
| | 2/18/2025 | 0.033 | 33 |
| SME 1 | 3/12/2013 | 0.11 | 53 |
| | 5/8/2013 | 0.063 | 43 |
| | 9/23/2013 | 0.053 | 40 |
| | 12/10/2013 | 0.21 | 63 |
| | 2/6/2014 | 0.11 | 54 |
| | 6/26/2014 | ND<0.025 U | 15 |
| | 9/30/2014 | 0.044 | 36 |
| | 11/19/2014 | 0.27 | 66 |
| | 3/23/2015 | 0.073 | 47 |
| | 4/22/2015 | 0.039 | 34 |
| | 9/30/2015 | 0.052 | 39 |
| | 11/19/2015 | 0.084 | 49 |
| | 3/15/2016 | 0.047 | 37 |
| | 6/29/2016 | 0.18 | 59 |
| | 8/9/2016 | 0.089 | 51 |
| | 12/7/2016 | 0.209 | 62 |
| | 3/2/2017 | 0.127 | 57 |
| | 6/29/2017 | 0.028 | 31 |
| | 8/16/2017 | ND<0.025 U | 15 |
| | 10/25/2017 | 0.121 | 55 |
| | 3/28/2018 | 0.106 | 52 |
| | 6/29/2018 | 0.121 | 56 |
| | 8/2/2018 | 0.145 | 58 |
| | 12/10/2018 | ND<0.025 U | 15 |
| | 4/15/2019 | 0.063 | 44 |
| | 6/12/2019 | ND<0.025 U | 15 |
| | 8/27/2019 | ND<0.025 U | 15 |

| | | |
|---|---|---|
| 10/29/2019 | 0.049 | 38 |
| 3/30/2020 | ND<0.025 U | 15 |
| 6/16/2020 | 0.031 | 32 |
| 9/21/2020 | ND<0.03 U | 15 |
| 12/17/2020 | 0.072 | 46 |
| 3/18/2021 | ND<0.03 U | 15 |
| 5/5/2021 | ND<0.03 U | 15 |
| 9/2/2021 | 0.19 | 60 |
| 11/23/2021 | 0.076 | 48 |
| 1/11/2022 | 0.054 | 41 |
| 4/7/2022 | 0.192 | 61 |
| 8/2/2022 | ND<0.03 U | 15 |
| 11/16/2022 | ND<0.03 U | 15 |
| 2/14/2023 | ND<0.03 U | 15 |
| 5/25/2023 | 0.043 | 35 |
| 8/7/2023 | 0.067 | 45 |
| 12/12/2023 | 0.219 | 64 |
| 1/10/2024 | 0.224 | 65 |
| 5/21/2024 | ND<0.03 U | 15 |
| 9/16/2024 | ND<0.014 U | 15 |
| 12/11/2024 | ND<0.0196 U | 15 |
| 2/18/2025 | 0.085 | 50 |

The Wilcoxon Statistic is 671
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 3.72447
The Standard Deviation adjusted for ties is 65.2437
The Z Score adjusted for ties is 3.89309
**3.72447 > 2.326 indicating statistical significance  at 1% level**
**3.89309 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SME 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 33 |
| | 3/18/2021 | 21.6 | 41 |
| | 5/5/2021 | 27.5 | 47 |
| | 11/23/2021 | 9.2 | 6 |
| | 1/11/2022 | 15.6 | 29 |
| | 4/7/2022 | 20.9 | 40 |
| | 8/2/2022 | 6 | 2 |
| | 11/16/2022 | 10.5 | 10 |
| | 2/14/2023 | 22.5 | 42 |
| | 5/25/2023 | 6.71 | 3 |
| | 8/7/2023 | 7 | 4 |
| | 12/12/2023 | 13.8 | 22 |
| | 1/10/2024 | 34.4 | 50 |
| | 5/21/2024 | 12 | 18 |
| | 9/16/2024 | 11.5 | 16 |
| | 12/11/2024 | 11.6 | 17 |
| | 2/18/2025 | 45.1 | 54 |
| SME 3 | 3/13/2013 | 15 | 25 |
| | 5/20/2013 | 19 | 37 |
| | 9/23/2013 | 13 | 20 |
| | 12/10/2013 | 20 | 39 |
| | 2/6/2014 | 33 | 49 |
| | 6/26/2014 | 30 | 48 |
| | 9/30/2014 | 18 | 34 |
| | 11/19/2014 | 19 | 38 |
| | 3/23/2015 | 16 | 30 |
| | 4/22/2015 | 14 | 23 |
| | 9/30/2015 | 24.4 | 43 |
| | 11/19/2015 | 37.8 | 52 |
| | 3/15/2016 | 78.8 | 58 |
| | 6/29/2016 | 15.3 | 26 |
| | 8/9/2016 | 10.8 | 13 |
| | 12/7/2016 | 9.4 | 7 |
| | 3/2/2017 | 17 | 32 |
| | 7/5/2017 | 16.3 | 31 |
| | 8/16/2017 | 18.5 | 36 |
| | 10/25/2017 | 49.7 | 55 |
| | 3/28/2018 | 11.2 | 15 |
| | 6/29/2018 | 115 | 60 |
| | 8/2/2018 | 56 | 56 |
| | 12/10/2018 | 27.1 | 46 |
| | 4/15/2019 | 371 | 62 |
| | 6/12/2019 | 10.7 | 11 |
| | 8/27/2019 | 7 | 5 |

| | | |
|---|---|---|
| 10/29/2019 | 15.4 | 27 |
| 3/30/2020 | 18.2 | 35 |
| 6/16/2020 | 10.1 | 8 |
| 9/21/2020 | 10.7 | 12 |
| 9/2/2021 | 267 | 61 |
| 1/11/2022 | 15.4 | 28 |
| 4/7/2022 | 27 | 45 |
| 8/2/2022 | 5.6 | 1 |
| 11/16/2022 | 10.3 | 9 |
| 2/14/2023 | 66.4 | 57 |
| 5/25/2023 | 11 | 14 |
| 8/7/2023 | 14.4 | 24 |
| 12/12/2023 | 13.4 | 21 |
| 1/10/2024 | 44.8 | 53 |
| 5/21/2024 | 24.6 | 44 |
| 9/16/2024 | 12.7 | 19 |
| 12/11/2024 | 111 | 59 |
| 2/18/2025 | 37.3 | 51 |

The Wilcoxon Statistic is 484
The Expected value is is 382.5
The Standard Deviation is 63.3739
The Z Score is 1.59372
The Standard Deviation adjusted for ties is 63.3739
The Z Score adjusted for ties is 1.59372
1.59372 < 2.326 indicating no statistical significance at 1% level
1.59372 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: SME 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 8
Non detect rank is 4.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 10 |
| | 3/18/2021 | 0.331 | 16 |
| | 5/5/2021 | ND<0.25 U | 4.5 |
| | 11/23/2021 | ND<0.25 U | 4.5 |
| | 1/11/2022 | 0.97 | 59 |
| | 4/7/2022 | 0.254 | 9 |
| | 8/2/2022 | 0.274 | 12 |
| | 11/16/2022 | 0.382 | 20 |
| | 2/14/2023 | 0.484 | 36 |
| | 5/25/2023 | 0.513 | 39 |
| | 8/7/2023 | 0.436 | 30 |
| | 12/12/2023 | 0.497 | 37 |
| | 1/10/2024 | 0.327 | 15 |
| | 5/21/2024 | 0.565 | 46 |
| | 9/16/2024 | 0.709 | 55 |
| | 12/11/2024 | 0.305 | 14 |
| | 2/18/2025 | 0.434 | 29 |
| SME 3 | 3/13/2013 | 0.69 | 52 |
| | 5/20/2013 | 0.69 | 53 |
| | 9/23/2013 | 0.53 | 42 |
| | 12/10/2013 | 0.62 | 47 |
| | 2/6/2014 | 0.69 | 54 |
| | 6/26/2014 | 0.53 | 43 |
| | 9/30/2014 | 0.66 | 50 |
| | 11/19/2014 | ND<0.25 U | 4.5 |
| | 3/23/2015 | 0.46 | 34 |
| | 4/22/2015 | 0.45 | 31 |
| | 9/30/2015 | 0.42 | 26 |
| | 11/19/2015 | ND<0.25 U | 4.5 |
| | 3/15/2016 | ND<0.25 U | 4.5 |
| | 6/29/2016 | 0.37 | 18 |
| | 8/9/2016 | 0.56 | 45 |
| | 12/7/2016 | 1.78 | 62 |
| | 3/2/2017 | 0.73 | 56 |
| | 7/5/2017 | 0.63 | 48 |
| | 8/16/2017 | 0.45 | 32 |
| | 10/25/2017 | 0.38 | 19 |
| | 3/28/2018 | ND<0.25 U | 4.5 |
| | 6/29/2018 | 0.8 | 58 |
| | 8/2/2018 | 0.981 | 60 |
| | 12/10/2018 | 0.433 | 28 |
| | 4/15/2019 | 0.271 | 11 |
| | 6/12/2019 | ND<0.25 U | 4.5 |
| | 8/27/2019 | 0.389 | 21 |

| | | |
|---|---|---|
| 10/29/2019 | 0.39 | 22 |
| 3/30/2020 | 0.657 | 49 |
| 6/16/2020 | 0.466 | 35 |
| 9/21/2020 | 0.66 | 51 |
| 9/2/2021 | 1.24 | 61 |
| 1/11/2022 | 0.52 | 41 |
| 4/7/2022 | 0.406 | 24 |
| 8/2/2022 | ND<0.25 U | 4.5 |
| 11/16/2022 | 0.294 | 13 |
| 2/14/2023 | 0.351 | 17 |
| 5/25/2023 | 0.515 | 40 |
| 8/7/2023 | 0.424 | 27 |
| 12/12/2023 | 0.502 | 38 |
| 1/10/2024 | 0.392 | 23 |
| 5/21/2024 | 0.545 | 44 |
| 9/16/2024 | 0.784 | 57 |
| 12/11/2024 | 0.411 | 25 |
| 2/18/2025 | 0.453 | 33 |

The Wilcoxon Statistic is 482
The Expected value is is 382.5
The Standard Deviation is 63.3739
The Z Score is 1.56216
The Standard Deviation adjusted for ties is 63.3068
The Z Score adjusted for ties is 1.56381
1.56216 < 2.326 indicating no statistical significance at 1% level
1.56381 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: SME 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 29
Non detect rank is 15

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 59 |
| | 3/18/2021 | 0.319 | 54 |
| | 5/5/2021 | 0.213 | 43 |
| | 11/23/2021 | 0.164 | 38 |
| | 1/11/2022 | 0.44 | 62 |
| | 4/7/2022 | 0.273 | 52 |
| | 8/2/2022 | 0.102 | 30 |
| | 11/16/2022 | ND<0.1 U | 15 |
| | 2/14/2023 | 0.416 | 61 |
| | 5/25/2023 | ND<0.05 U | 15 |
| | 8/7/2023 | ND<0.1 U | 15 |
| | 12/12/2023 | 0.14 | 34 |
| | 1/10/2024 | 0.354 | 57 |
| | 5/21/2024 | 0.143 | 35 |
| | 9/16/2024 | ND<0.05 U | 15 |
| | 12/11/2024 | 0.202 | 42 |
| | 2/18/2025 | 0.368 | 58 |
| SME 3 | 3/13/2013 | 0.2 | 41 |
| | 5/20/2013 | 0.17 | 39 |
| | 9/23/2013 | ND<0.1 U | 15 |
| | 12/10/2013 | ND<0.1 U | 15 |
| | 2/6/2014 | 0.25 | 48 |
| | 6/26/2014 | ND<0.1 U | 15 |
| | 9/30/2014 | ND<0.1 U | 15 |
| | 11/19/2014 | 0.12 | 32 |
| | 3/23/2015 | 0.24 | 46 |
| | 4/22/2015 | 0.15 | 37 |
| | 9/30/2015 | 0.13 | 33 |
| | 11/19/2015 | 0.25 | 49 |
| | 3/15/2016 | 0.3 | 53 |
| | 6/29/2016 | ND<0.1 U | 15 |
| | 8/9/2016 | ND<0.1 U | 15 |
| | 12/7/2016 | ND<0.1 U | 15 |
| | 3/2/2017 | 0.27 | 51 |
| | 7/5/2017 | ND<0.1 U | 15 |
| | 8/16/2017 | ND<0.1 U | 15 |
| | 10/25/2017 | ND<0.1 U | 15 |
| | 3/28/2018 | 0.22 | 44 |
| | 6/29/2018 | ND<0.1 U | 15 |
| | 8/2/2018 | ND<0.1 U | 15 |
| | 12/10/2018 | ND<0.1 U | 15 |
| | 4/15/2019 | 0.234 | 45 |
| | 6/12/2019 | ND<0.1 U | 15 |
| | 8/27/2019 | ND<0.1 U | 15 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 15 |
| 3/30/2020 | 0.24 | 47 |
| 6/16/2020 | ND<0.1 U | 15 |
| 9/21/2020 | ND<0.1 U | 15 |
| 9/2/2021 | ND<0.1 U | 15 |
| 1/11/2022 | 0.39 | 60 |
| 4/7/2022 | 0.181 | 40 |
| 8/2/2022 | ND<0.1 U | 15 |
| 11/16/2022 | ND<0.1 U | 15 |
| 2/14/2023 | 0.325 | 55 |
| 5/25/2023 | ND<0.05 U | 15 |
| 8/7/2023 | ND<0.1 U | 15 |
| 12/12/2023 | 0.103 | 31 |
| 1/10/2024 | 0.348 | 56 |
| 5/21/2024 | ND<0.1 U | 15 |
| 9/16/2024 | ND<0.05 U | 15 |
| 12/11/2024 | 0.146 | 36 |
| 2/18/2025 | 0.258 | 50 |

The Wilcoxon Statistic is 233
The Expected value is is 382.5
The Standard Deviation is 63.3739
The Z Score is -2.36691
The Standard Deviation adjusted for ties is 60.0469
The Z Score adjusted for ties is -2.49805
-2.36691 < 2.326 indicating no statistical significance at 1% level
-2.49805 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 39
Non detect rank is 20

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 20 |
| | 3/18/2021 | ND<0.1 U | 20 |
| | 5/5/2021 | ND<0.1 U | 20 |
| | 11/23/2021 | ND<0.1 U | 20 |
| | 1/11/2022 | ND<0.1 U | 20 |
| | 4/7/2022 | ND<0.1 U | 20 |
| | 8/2/2022 | ND<0.1 U | 20 |
| | 11/16/2022 | ND<0.1 U | 20 |
| | 2/14/2023 | ND<0.1 U | 20 |
| | 5/25/2023 | ND<0.035 U | 20 |
| | 8/7/2023 | 0.0866 | 47 |
| | 12/12/2023 | 0.0454 | 41 |
| | 1/10/2024 | 0.0532 | 42 |
| | 5/21/2024 | 0.0925 | 49 |
| | 9/16/2024 | 0.0824 | 46 |
| | 12/11/2024 | 0.0652 | 44 |
| | 2/18/2025 | 0.0946 | 50 |
| SME 3 | 3/13/2013 | ND<0.1 U | 20 |
| | 5/20/2013 | ND<0.1 U | 20 |
| | 9/23/2013 | ND<0.1 U | 20 |
| | 12/10/2013 | ND<0.1 U | 20 |
| | 2/6/2014 | ND<0.1 U | 20 |
| | 6/26/2014 | ND<0.1 U | 20 |
| | 9/30/2014 | ND<0.1 U | 20 |
| | 11/19/2014 | ND<0.1 U | 20 |
| | 3/23/2015 | ND<0.1 U | 20 |
| | 4/22/2015 | ND<0.1 U | 20 |
| | 9/30/2015 | 0.13 | 58 |
| | 11/19/2015 | ND<0.1 U | 20 |
| | 3/15/2016 | ND<0.1 U | 20 |
| | 6/29/2016 | ND<0.1 U | 20 |
| | 8/9/2016 | ND<0.1 U | 20 |
| | 12/7/2016 | 0.15 | 60 |
| | 3/2/2017 | ND<0.1 U | 20 |
| | 7/5/2017 | ND<0.1 U | 20 |
| | 8/16/2017 | ND<0.1 U | 20 |
| | 10/25/2017 | 0.11 | 55 |
| | 3/28/2018 | ND<0.1 U | 20 |
| | 6/29/2018 | ND<0.1 U | 20 |
| | 8/2/2018 | 0.11 | 56 |
| | 12/10/2018 | 0.127 | 57 |
| | 4/15/2019 | 0.285 | 62 |
| | 6/12/2019 | ND<0.1 U | 20 |
| | 8/27/2019 | 0.149 | 59 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.1 U | 20 |
| 3/30/2020 | ND<0.1 U | 20 |
| 6/16/2020 | 0.102 | 52 |
| 9/21/2020 | ND<0.1 U | 20 |
| 9/2/2021 | 0.234 | 61 |
| 1/11/2022 | ND<0.1 U | 20 |
| 4/7/2022 | ND<0.1 U | 20 |
| 8/2/2022 | ND<0.1 U | 20 |
| 11/16/2022 | ND<0.1 U | 20 |
| 2/14/2023 | ND<0.1 U | 20 |
| 5/25/2023 | 0.0569 | 43 |
| 8/7/2023 | 0.0912 | 48 |
| 12/12/2023 | ND<0.035 U | 20 |
| 1/10/2024 | 0.0956 | 51 |
| 5/21/2024 | 0.0739 | 45 |
| 9/16/2024 | 0.108 | 54 |
| 12/11/2024 | 0.024 | 40 |
| 2/18/2025 | 0.102 | 53 |

The Wilcoxon Statistic is 399
The Expected value is is 382.5
The Standard Deviation is 63.3739
The Z Score is 0.25247
The Standard Deviation adjusted for ties is 54.9274
The Z Score adjusted for ties is 0.291294
0.25247 < 2.326 indicating no statistical significance at 1% level
0.291294 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 3

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 44
Non detect rank is 22.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 22.5 |
| | 3/18/2021 | ND<0.03 U | 22.5 |
| | 5/5/2021 | ND<0.03 U | 22.5 |
| | 11/23/2021 | ND<0.03 U | 22.5 |
| | 1/11/2022 | ND<0.03 U | 22.5 |
| | 4/7/2022 | 0.06 | 58 |
| | 8/2/2022 | ND<0.03 U | 22.5 |
| | 11/16/2022 | ND<0.03 U | 22.5 |
| | 2/14/2023 | ND<0.03 U | 22.5 |
| | 5/25/2023 | ND<0.014 U | 22.5 |
| | 8/7/2023 | ND<0.03 U | 22.5 |
| | 12/12/2023 | ND<0.014 U | 22.5 |
| | 1/10/2024 | 0.02 | 45 |
| | 5/21/2024 | ND<0.03 U | 22.5 |
| | 9/16/2024 | ND<0.014 U | 22.5 |
| | 12/11/2024 | ND<0.0196 U | 22.5 |
| | 2/18/2025 | 0.033 | 51 |
| SME 3 | 3/13/2013 | 0.038 | 53 |
| | 5/20/2013 | 0.028 | 48 |
| | 9/23/2013 | 0.029 | 49 |
| | 12/10/2013 | 0.086 | 61 |
| | 2/6/2014 | ND<0.025 U | 22.5 |
| | 6/26/2014 | 0.047 | 55 |
| | 9/30/2014 | ND<0.025 U | 22.5 |
| | 11/19/2014 | 0.035 | 52 |
| | 3/23/2015 | 0.026 | 46 |
| | 4/22/2015 | ND<0.025 U | 22.5 |
| | 9/30/2015 | ND<0.025 U | 22.5 |
| | 11/19/2015 | 0.032 | 50 |
| | 3/15/2016 | ND<0.025 U | 22.5 |
| | 6/29/2016 | 0.062 | 59 |
| | 8/9/2016 | ND<0.025 U | 22.5 |
| | 12/7/2016 | ND<0.025 U | 22.5 |
| | 3/2/2017 | ND<0.025 U | 22.5 |
| | 7/5/2017 | 0.039 | 54 |
| | 8/16/2017 | 0.07 | 60 |
| | 10/25/2017 | 0.053 | 56 |
| | 3/28/2018 | ND<0.025 U | 22.5 |
| | 6/29/2018 | ND<0.025 U | 22.5 |
| | 8/2/2018 | ND<0.025 U | 22.5 |
| | 12/10/2018 | ND<0.025 U | 22.5 |
| | 4/15/2019 | ND<0.025 U | 22.5 |
| | 6/12/2019 | ND<0.025 U | 22.5 |
| | 8/27/2019 | ND<0.025 U | 22.5 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.025 U | 22.5 |
| 3/30/2020 | ND<0.025 U | 22.5 |
| 6/16/2020 | ND<0.03 U | 22.5 |
| 9/21/2020 | ND<0.03 U | 22.5 |
| 9/2/2021 | 0.057 | 57 |
| 1/11/2022 | ND<0.03 U | 22.5 |
| 4/7/2022 | ND<0.03 U | 22.5 |
| 8/2/2022 | ND<0.03 U | 22.5 |
| 11/16/2022 | ND<0.03 U | 22.5 |
| 2/14/2023 | ND<0.03 U | 22.5 |
| 5/25/2023 | ND<0.014 U | 22.5 |
| 8/7/2023 | ND<0.03 U | 22.5 |
| 12/12/2023 | ND<0.014 U | 22.5 |
| 1/10/2024 | 0.027 | 47 |
| 5/21/2024 | ND<0.03 U | 22.5 |
| 9/16/2024 | ND<0.014 U | 22.5 |
| 12/11/2024 | ND<0.0196 U | 22.5 |
| 2/18/2025 | 0.159 | 62 |

The Wilcoxon Statistic is 449
The Expected value is is 382.5
The Standard Deviation is 63.3739
The Z Score is 1.04144
The Standard Deviation adjusted for ties is 50.8047
The Z Score adjusted for ties is 1.29909
1.04144 < 2.326 indicating no statistical significance at 1% level
1.29909 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SME 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 23 |
| | 3/18/2021 | 21.6 | 25 |
| | 5/5/2021 | 27.5 | 29 |
| | 11/23/2021 | 9.2 | 9 |
| | 1/11/2022 | 15.6 | 20 |
| | 4/7/2022 | 20.9 | 24 |
| | 8/2/2022 | 6 | 1 |
| | 11/16/2022 | 10.5 | 10 |
| | 2/14/2023 | 22.5 | 26 |
| | 5/25/2023 | 6.71 | 2 |
| | 8/7/2023 | 7 | 3 |
| | 12/12/2023 | 13.8 | 18 |
| | 1/10/2024 | 34.4 | 31 |
| | 5/21/2024 | 12 | 15 |
| | 9/16/2024 | 11.5 | 13 |
| | 12/11/2024 | 11.6 | 14 |
| | 2/18/2025 | 45.1 | 32 |
| SME 5 | 12/17/2020 | 17.7 | 22 |
| | 3/18/2021 | 23 | 27 |
| | 5/5/2021 | 60.6 | 34 |
| | 9/2/2021 | 31.8 | 30 |
| | 11/23/2021 | 14 | 19 |
| | 1/11/2022 | 16.6 | 21 |
| | 4/7/2022 | 25.4 | 28 |
| | 8/2/2022 | 7.3 | 4 |
| | 11/16/2022 | 11.1 | 11 |
| | 2/14/2023 | 12.3 | 16 |
| | 5/25/2023 | 11.4 | 12 |
| | 8/7/2023 | 8.6 | 5 |
| | 12/12/2023 | 8.93 | 8 |
| | 1/10/2024 | 51.5 | 33 |
| | 5/21/2024 | 12.3 | 17 |
| | 9/16/2024 | 8.6 | 6 |
| | 12/11/2024 | 8.8 | 7 |
| | 2/18/2025 | 62.8 | 35 |

The Wilcoxon Statistic is 164
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 0.346552
The Standard Deviation adjusted for ties is 30.2985
The Z Score adjusted for ties is 0.346552
0.346552 < 2.326 indicating no statistical significance at 1% level

0.346552 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SME 5**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 3
Non detect rank is 2

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 6 |
| | 3/18/2021 | 0.331 | 14 |
| | 5/5/2021 | ND<0.25 U | 2 |
| | 11/23/2021 | ND<0.25 U | 2 |
| | 1/11/2022 | 0.97 | 34 |
| | 4/7/2022 | 0.254 | 4 |
| | 8/2/2022 | 0.274 | 7 |
| | 11/16/2022 | 0.382 | 17 |
| | 2/14/2023 | 0.484 | 25 |
| | 5/25/2023 | 0.513 | 27 |
| | 8/7/2023 | 0.436 | 22 |
| | 12/12/2023 | 0.497 | 26 |
| | 1/10/2024 | 0.327 | 13 |
| | 5/21/2024 | 0.565 | 29 |
| | 9/16/2024 | 0.709 | 32 |
| | 12/11/2024 | 0.305 | 10 |
| | 2/18/2025 | 0.434 | 21 |
| SME 5 | 12/17/2020 | 0.258 | 5 |
| | 3/18/2021 | 0.317 | 11 |
| | 5/5/2021 | 0.41 | 20 |
| | 9/2/2021 | 0.325 | 12 |
| | 11/23/2021 | ND<0.25 U | 2 |
| | 1/11/2022 | 1.5 | 35 |
| | 4/7/2022 | 0.385 | 18 |
| | 8/2/2022 | 0.277 | 8 |
| | 11/16/2022 | 0.347 | 15 |
| | 2/14/2023 | 0.302 | 9 |
| | 5/25/2023 | 0.564 | 28 |
| | 8/7/2023 | 0.677 | 31 |
| | 12/12/2023 | 0.465 | 23 |
| | 1/10/2024 | 0.366 | 16 |
| | 5/21/2024 | 0.653 | 30 |
| | 9/16/2024 | 0.792 | 33 |
| | 12/11/2024 | 0.407 | 19 |
| | 2/18/2025 | 0.477 | 24 |

The Wilcoxon Statistic is 168
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 0.478571
The Standard Deviation adjusted for ties is 30.29
The Z Score adjusted for ties is 0.478705
0.478571 < 2.326 indicating no statistical significance at 1% level

0.478705 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: SME 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 5
Non detect rank is 3

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 30 |
| | 3/18/2021 | 0.319 | 25 |
| | 5/5/2021 | 0.213 | 19 |
| | 11/23/2021 | 0.164 | 16 |
| | 1/11/2022 | 0.44 | 33 |
| | 4/7/2022 | 0.273 | 22 |
| | 8/2/2022 | 0.102 | 8 |
| | 11/16/2022 | ND<0.1 U | 3 |
| | 2/14/2023 | 0.416 | 31 |
| | 5/25/2023 | ND<0.05 U | 3 |
| | 8/7/2023 | ND<0.1 U | 3 |
| | 12/12/2023 | 0.14 | 13 |
| | 1/10/2024 | 0.354 | 27 |
| | 5/21/2024 | 0.143 | 14 |
| | 9/16/2024 | ND<0.05 U | 3 |
| | 12/11/2024 | 0.202 | 18 |
| | 2/18/2025 | 0.368 | 28 |
| SME 5 | 12/17/2020 | 0.371 | 29 |
| | 3/18/2021 | 0.316 | 24 |
| | 5/5/2021 | ND<0.1 U | 3 |
| | 9/2/2021 | 0.128 | 12 |
| | 11/23/2021 | 0.231 | 21 |
| | 1/11/2022 | 0.45 | 34 |
| | 4/7/2022 | 0.29 | 23 |
| | 8/2/2022 | 0.102 | 9 |
| | 11/16/2022 | 0.113 | 10 |
| | 2/14/2023 | 0.425 | 32 |
| | 5/25/2023 | 0.155 | 15 |
| | 8/7/2023 | 0.0568 | 6 |
| | 12/12/2023 | 0.127 | 11 |
| | 1/10/2024 | 0.488 | 35 |
| | 5/21/2024 | 0.179 | 17 |
| | 9/16/2024 | 0.0936 | 7 |
| | 12/11/2024 | 0.213 | 20 |
| | 2/18/2025 | 0.351 | 26 |

The Wilcoxon Statistic is 163
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 0.313547
The Standard Deviation adjusted for ties is 30.2561
The Z Score adjusted for ties is 0.313987
0.313547 < 2.326 indicating no statistical significance at 1% level

0.313987 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 19
Non detect rank is 10

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 10 |
| | 3/18/2021 | ND<0.1 U | 10 |
| | 5/5/2021 | ND<0.1 U | 10 |
| | 11/23/2021 | ND<0.1 U | 10 |
| | 1/11/2022 | ND<0.1 U | 10 |
| | 4/7/2022 | ND<0.1 U | 10 |
| | 8/2/2022 | ND<0.1 U | 10 |
| | 11/16/2022 | ND<0.1 U | 10 |
| | 2/14/2023 | ND<0.1 U | 10 |
| | 5/25/2023 | ND<0.035 U | 10 |
| | 8/7/2023 | 0.0866 | 29 |
| | 12/12/2023 | 0.0454 | 22 |
| | 1/10/2024 | 0.0532 | 23 |
| | 5/21/2024 | 0.0925 | 30 |
| | 9/16/2024 | 0.0824 | 27 |
| | 12/11/2024 | 0.0652 | 25 |
| | 2/18/2025 | 0.0946 | 32 |
| SME 5 | 12/17/2020 | ND<0.1 U | 10 |
| | 3/18/2021 | ND<0.1 U | 10 |
| | 5/5/2021 | ND<0.1 U | 10 |
| | 9/2/2021 | 0.1 | 34 |
| | 11/23/2021 | ND<0.1 U | 10 |
| | 1/11/2022 | ND<0.1 U | 10 |
| | 4/7/2022 | ND<0.1 U | 10 |
| | 8/2/2022 | ND<0.1 U | 10 |
| | 11/16/2022 | ND<0.1 U | 10 |
| | 2/14/2023 | ND<0.1 U | 10 |
| | 5/25/2023 | 0.0593 | 24 |
| | 8/7/2023 | 0.122 | 35 |
| | 12/12/2023 | 0.037 | 21 |
| | 1/10/2024 | 0.0773 | 26 |
| | 5/21/2024 | 0.0938 | 31 |
| | 9/16/2024 | 0.0952 | 33 |
| | 12/11/2024 | 0.0348 | 20 |
| | 2/18/2025 | 0.0855 | 28 |

The Wilcoxon Statistic is 171
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 0.577586
The Standard Deviation adjusted for ties is 27.7746
The Z Score adjusted for ties is 0.630072
0.577586 < 2.326 indicating no statistical significance at 1% level

0.630072 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 29
Non detect rank is 15

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 15 |
| | 3/18/2021 | ND<0.03 U | 15 |
| | 5/5/2021 | ND<0.03 U | 15 |
| | 11/23/2021 | ND<0.03 U | 15 |
| | 1/11/2022 | ND<0.03 U | 15 |
| | 4/7/2022 | 0.06 | 35 |
| | 8/2/2022 | ND<0.03 U | 15 |
| | 11/16/2022 | ND<0.03 U | 15 |
| | 2/14/2023 | ND<0.03 U | 15 |
| | 5/25/2023 | ND<0.014 U | 15 |
| | 8/7/2023 | ND<0.03 U | 15 |
| | 12/12/2023 | ND<0.014 U | 15 |
| | 1/10/2024 | 0.02 | 31 |
| | 5/21/2024 | ND<0.03 U | 15 |
| | 9/16/2024 | ND<0.014 U | 15 |
| | 12/11/2024 | ND<0.0196 U | 15 |
| | 2/18/2025 | 0.033 | 33 |
| SME 5 | 12/17/2020 | ND<0.03 U | 15 |
| | 3/18/2021 | ND<0.03 U | 15 |
| | 5/5/2021 | ND<0.03 U | 15 |
| | 9/2/2021 | ND<0.03 U | 15 |
| | 11/23/2021 | ND<0.03 U | 15 |
| | 1/11/2022 | 0.035 | 34 |
| | 4/7/2022 | ND<0.03 U | 15 |
| | 8/2/2022 | ND<0.03 U | 15 |
| | 11/16/2022 | ND<0.03 U | 15 |
| | 2/14/2023 | ND<0.03 U | 15 |
| | 5/25/2023 | ND<0.014 U | 15 |
| | 8/7/2023 | ND<0.03 U | 15 |
| | 12/12/2023 | ND<0.014 U | 15 |
| | 1/10/2024 | 0.017 | 30 |
| | 5/21/2024 | ND<0.03 U | 15 |
| | 9/16/2024 | ND<0.014 U | 15 |
| | 12/11/2024 | ND<0.0196 U | 15 |
| | 2/18/2025 | 0.031 | 32 |

The Wilcoxon Statistic is 150
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is -0.115517
The Standard Deviation adjusted for ties is 19.8997
The Z Score adjusted for ties is -0.175882
-0.115517 < 2.326 indicating no statistical significance at 1% level

-0.175882 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 20 |
| | 3/18/2021 | 21.6 | 24 |
| | 5/5/2021 | 27.5 | 26 |
| | 11/23/2021 | 9.2 | 5 |
| | 1/11/2022 | 15.6 | 17 |
| | 4/7/2022 | 20.9 | 23 |
| | 8/2/2022 | 6 | 1 |
| | 11/16/2022 | 10.5 | 8 |
| | 2/14/2023 | 22.5 | 25 |
| | 5/25/2023 | 6.71 | 2 |
| | 8/7/2023 | 7 | 3 |
| | 12/12/2023 | 13.8 | 15 |
| | 1/10/2024 | 34.4 | 28 |
| | 5/21/2024 | 12 | 13 |
| | 9/16/2024 | 11.5 | 11 |
| | 12/11/2024 | 11.6 | 12 |
| | 2/18/2025 | 45.1 | 30 |
| SME 6 | 12/17/2020 | 16.7 | 18 |
| | 3/18/2021 | 47.2 | 31 |
| | 5/5/2021 | 82.8 | 33 |
| | 9/2/2021 | 19 | 21 |
| | 11/23/2021 | 11.2 | 9 |
| | 1/11/2022 | 16.9 | 19 |
| | 4/7/2022 | 28.8 | 27 |
| | 8/2/2022 | 8.4 | 4 |
| | 11/16/2022 | 11.3 | 10 |
| | 2/14/2023 | 14.9 | 16 |
| | 5/25/2023 | 10 | 6 |
| | 8/7/2023 | 12.4 | 14 |
| | 12/12/2023 | 10.1 | 7 |
| | 1/10/2024 | 39.5 | 29 |
| | 5/21/2024 | 47.6 | 32 |
| | 9/16/2024 | 20.4 | 22 |
| | 12/11/2024 | 103 | 34 |
| | 2/18/2025 | 230 | 35 |

The Wilcoxon Statistic is 196
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 1.40271
The Standard Deviation adjusted for ties is 30.2985
The Z Score adjusted for ties is 1.40271
1.40271 < 2.326 indicating no statistical significance at 1% level

1.40271 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 6
Non detect rank is 3.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 8 |
| | 3/18/2021 | 0.331 | 16 |
| | 5/5/2021 | ND<0.25 U | 3.5 |
| | 11/23/2021 | ND<0.25 U | 3.5 |
| | 1/11/2022 | 0.97 | 34 |
| | 4/7/2022 | 0.254 | 7 |
| | 8/2/2022 | 0.274 | 9 |
| | 11/16/2022 | 0.382 | 19 |
| | 2/14/2023 | 0.484 | 25 |
| | 5/25/2023 | 0.513 | 28 |
| | 8/7/2023 | 0.436 | 23 |
| | 12/12/2023 | 0.497 | 27 |
| | 1/10/2024 | 0.327 | 15 |
| | 5/21/2024 | 0.565 | 29 |
| | 9/16/2024 | 0.709 | 32 |
| | 12/11/2024 | 0.305 | 11 |
| | 2/18/2025 | 0.434 | 22 |
| SME 6 | 12/17/2020 | ND<0.25 U | 3.5 |
| | 3/18/2021 | ND<0.618 U | 3.5 |
| | 5/5/2021 | 0.403 | 20 |
| | 9/2/2021 | 0.353 | 17 |
| | 11/23/2021 | ND<0.25 U | 3.5 |
| | 1/11/2022 | 2.4 | 35 |
| | 4/7/2022 | 0.373 | 18 |
| | 8/2/2022 | ND<0.25 U | 3.5 |
| | 11/16/2022 | 0.308 | 12 |
| | 2/14/2023 | 0.319 | 13 |
| | 5/25/2023 | 0.58 | 30 |
| | 8/7/2023 | 0.62 | 31 |
| | 12/12/2023 | 0.44 | 24 |
| | 1/10/2024 | 0.413 | 21 |
| | 5/21/2024 | 0.287 | 10 |
| | 9/16/2024 | 0.767 | 33 |
| | 12/11/2024 | 0.326 | 14 |
| | 2/18/2025 | 0.484 | 26 |

The Wilcoxon Statistic is 147
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is -0.214532
The Standard Deviation adjusted for ties is 30.2242
The Z Score adjusted for ties is -0.21506
-0.214532 < 2.326 indicating no statistical significance at 1% level

-0.21506 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SME 6**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 8
Non detect rank is 4.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 32 |
| | 3/18/2021 | 0.319 | 24 |
| | 5/5/2021 | 0.213 | 20 |
| | 11/23/2021 | 0.164 | 16 |
| | 1/11/2022 | 0.44 | 34 |
| | 4/7/2022 | 0.273 | 23 |
| | 8/2/2022 | 0.102 | 11 |
| | 11/16/2022 | ND<0.1 U | 4.5 |
| | 2/14/2023 | 0.416 | 33 |
| | 5/25/2023 | ND<0.05 U | 4.5 |
| | 8/7/2023 | ND<0.1 U | 4.5 |
| | 12/12/2023 | 0.14 | 14 |
| | 1/10/2024 | 0.354 | 26 |
| | 5/21/2024 | 0.143 | 15 |
| | 9/16/2024 | ND<0.05 U | 4.5 |
| | 12/11/2024 | 0.202 | 19 |
| | 2/18/2025 | 0.368 | 29 |
| SME 6 | 12/17/2020 | 0.368 | 30 |
| | 3/18/2021 | 0.358 | 27 |
| | 5/5/2021 | 0.183 | 18 |
| | 9/2/2021 | 0.131 | 13 |
| | 11/23/2021 | 0.231 | 21 |
| | 1/11/2022 | 0.45 | 35 |
| | 4/7/2022 | 0.27 | 22 |
| | 8/2/2022 | ND<0.1 U | 4.5 |
| | 11/16/2022 | ND<0.1 U | 4.5 |
| | 2/14/2023 | 0.374 | 31 |
| | 5/25/2023 | 0.0655 | 9 |
| | 8/7/2023 | ND<0.1 U | 4.5 |
| | 12/12/2023 | 0.11 | 12 |
| | 1/10/2024 | 0.344 | 25 |
| | 5/21/2024 | 0.1 | 10 |
| | 9/16/2024 | ND<0.05 U | 4.5 |
| | 12/11/2024 | 0.179 | 17 |
| | 2/18/2025 | 0.366 | 28 |

The Wilcoxon Statistic is 145
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is -0.280542
The Standard Deviation adjusted for ties is 30.1198
The Z Score adjusted for ties is -0.282207
-0.280542 < 2.326 indicating no statistical significance at 1% level

-0.282207 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 19
Non detect rank is 10

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 10 |
| | 3/18/2021 | ND<0.1 U | 10 |
| | 5/5/2021 | ND<0.1 U | 10 |
| | 11/23/2021 | ND<0.1 U | 10 |
| | 1/11/2022 | ND<0.1 U | 10 |
| | 4/7/2022 | ND<0.1 U | 10 |
| | 8/2/2022 | ND<0.1 U | 10 |
| | 11/16/2022 | ND<0.1 U | 10 |
| | 2/14/2023 | ND<0.1 U | 10 |
| | 5/25/2023 | ND<0.035 U | 10 |
| | 8/7/2023 | 0.0866 | 29 |
| | 12/12/2023 | 0.0454 | 22 |
| | 1/10/2024 | 0.0532 | 24 |
| | 5/21/2024 | 0.0925 | 31 |
| | 9/16/2024 | 0.0824 | 27 |
| | 12/11/2024 | 0.0652 | 25 |
| | 2/18/2025 | 0.0946 | 32 |
| SME 6 | 12/17/2020 | ND<0.1 U | 10 |
| | 3/18/2021 | ND<0.1 U | 10 |
| | 5/5/2021 | ND<0.1 U | 10 |
| | 9/2/2021 | 0.43 | 35 |
| | 11/23/2021 | ND<0.1 U | 10 |
| | 1/11/2022 | ND<0.1 U | 10 |
| | 4/7/2022 | ND<0.1 U | 10 |
| | 8/2/2022 | ND<0.1 U | 10 |
| | 11/16/2022 | ND<0.1 U | 10 |
| | 2/14/2023 | ND<0.1 U | 10 |
| | 5/25/2023 | 0.0424 | 21 |
| | 8/7/2023 | 0.095 | 33 |
| | 12/12/2023 | 0.0507 | 23 |
| | 1/10/2024 | 0.0849 | 28 |
| | 5/21/2024 | 0.07 | 26 |
| | 9/16/2024 | 0.0908 | 30 |
| | 12/11/2024 | 0.025 | 20 |
| | 2/18/2025 | 0.161 | 34 |

The Wilcoxon Statistic is 169
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 0.511576
The Standard Deviation adjusted for ties is 27.7746
The Z Score adjusted for ties is 0.558064
0.511576 < 2.326 indicating no statistical significance at 1% level

0.558064 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 30
Non detect rank is 15.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 15.5 |
| | 3/18/2021 | ND<0.03 U | 15.5 |
| | 5/5/2021 | ND<0.03 U | 15.5 |
| | 11/23/2021 | ND<0.03 U | 15.5 |
| | 1/11/2022 | ND<0.03 U | 15.5 |
| | 4/7/2022 | 0.06 | 35 |
| | 8/2/2022 | ND<0.03 U | 15.5 |
| | 11/16/2022 | ND<0.03 U | 15.5 |
| | 2/14/2023 | ND<0.03 U | 15.5 |
| | 5/25/2023 | ND<0.014 U | 15.5 |
| | 8/7/2023 | ND<0.03 U | 15.5 |
| | 12/12/2023 | ND<0.014 U | 15.5 |
| | 1/10/2024 | 0.02 | 32 |
| | 5/21/2024 | ND<0.03 U | 15.5 |
| | 9/16/2024 | ND<0.014 U | 15.5 |
| | 12/11/2024 | ND<0.0196 U | 15.5 |
| | 2/18/2025 | 0.033 | 34 |
| SME 6 | 12/17/2020 | ND<0.03 U | 15.5 |
| | 3/18/2021 | ND<0.03 U | 15.5 |
| | 5/5/2021 | ND<0.03 U | 15.5 |
| | 9/2/2021 | ND<0.03 U | 15.5 |
| | 11/23/2021 | ND<0.03 U | 15.5 |
| | 1/11/2022 | ND<0.03 U | 15.5 |
| | 4/7/2022 | ND<0.03 U | 15.5 |
| | 8/2/2022 | ND<0.03 U | 15.5 |
| | 11/16/2022 | ND<0.03 U | 15.5 |
| | 2/14/2023 | ND<0.03 U | 15.5 |
| | 5/25/2023 | ND<0.014 U | 15.5 |
| | 8/7/2023 | ND<0.03 U | 15.5 |
| | 12/12/2023 | ND<0.014 U | 15.5 |
| | 1/10/2024 | 0.014 | 31 |
| | 5/21/2024 | ND<0.03 U | 15.5 |
| | 9/16/2024 | ND<0.014 U | 15.5 |
| | 12/11/2024 | ND<0.0196 U | 15.5 |
| | 2/18/2025 | 0.032 | 33 |

The Wilcoxon Statistic is 141
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is -0.412561
The Standard Deviation adjusted for ties is 18.441
The Z Score adjusted for ties is -0.677836
-0.412561 < 2.326 indicating no statistical significance at 1% level

-0.677836 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: SME 7

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 18 |
| | 3/18/2021 | 21.6 | 22 |
| | 5/5/2021 | 27.5 | 24 |
| | 11/23/2021 | 9.2 | 8 |
| | 1/11/2022 | 15.6 | 17 |
| | 4/7/2022 | 20.9 | 20 |
| | 8/2/2022 | 6 | 3 |
| | 11/16/2022 | 10.5 | 9 |
| | 2/14/2023 | 22.5 | 23 |
| | 5/25/2023 | 6.71 | 4 |
| | 8/7/2023 | 7 | 6 |
| | 12/12/2023 | 13.8 | 15 |
| | 1/10/2024 | 34.4 | 26 |
| | 5/21/2024 | 12 | 12 |
| | 9/16/2024 | 11.5 | 10 |
| | 12/11/2024 | 11.6 | 11 |
| | 2/18/2025 | 45.1 | 32 |
| SME 7 | 12/17/2020 | 19.4 | 19 |
| | 3/18/2021 | 78.2 | 34 |
| | 5/5/2021 | 36.4 | 29 |
| | 9/2/2021 | 77.6 | 33 |
| | 11/23/2021 | ND<2.5 U | 1 |
| | 1/10/2022 | 34.7 | 27 |
| | 4/7/2022 | 37.2 | 30 |
| | 8/3/2022 | 31 | 25 |
| | 11/16/2022 | 3.8 | 2 |
| | 2/13/2023 | 36.2 | 28 |
| | 5/24/2023 | 21 | 21 |
| | 8/7/2023 | 12.3 | 13 |
| | 12/12/2023 | 6.8 | 5 |
| | 1/10/2024 | 183 | 35 |
| | 5/20/2024 | 13.5 | 14 |
| | 9/16/2024 | 14.1 | 16 |
| | 12/11/2024 | 8.8 | 7 |
| | 2/18/2025 | 38.8 | 31 |

The Wilcoxon Statistic is 199
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 1.50172
The Standard Deviation adjusted for ties is 30.2985
The Z Score adjusted for ties is 1.50172
1.50172 < 2.326 indicating no statistical significance at 1% level

1.50172 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SME 7**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 5
Non detect rank is 3

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 8 |
| | 3/18/2021 | 0.331 | 13 |
| | 5/5/2021 | ND<0.25 U | 3 |
| | 11/23/2021 | ND<0.25 U | 3 |
| | 1/11/2022 | 0.97 | 31 |
| | 4/7/2022 | 0.254 | 6 |
| | 8/2/2022 | 0.274 | 9 |
| | 11/16/2022 | 0.382 | 14 |
| | 2/14/2023 | 0.484 | 21 |
| | 5/25/2023 | 0.513 | 23 |
| | 8/7/2023 | 0.436 | 19 |
| | 12/12/2023 | 0.497 | 22 |
| | 1/10/2024 | 0.327 | 12 |
| | 5/21/2024 | 0.565 | 26 |
| | 9/16/2024 | 0.709 | 28 |
| | 12/11/2024 | 0.305 | 11 |
| | 2/18/2025 | 0.434 | 18 |
| SME 7 | 12/17/2020 | 0.541 | 24 |
| | 3/18/2021 | 0.407 | 17 |
| | 5/5/2021 | 1.24 | 33 |
| | 9/2/2021 | 2.49 | 35 |
| | 11/23/2021 | ND<0.25 U | 3 |
| | 1/10/2022 | 0.805 | 29 |
| | 4/7/2022 | 1.37 | 34 |
| | 8/3/2022 | 0.844 | 30 |
| | 11/16/2022 | ND<0.25 U | 3 |
| | 2/13/2023 | 1.01 | 32 |
| | 5/24/2023 | 0.474 | 20 |
| | 8/7/2023 | 0.393 | 15 |
| | 12/12/2023 | 0.262 | 7 |
| | 1/10/2024 | 0.548 | 25 |
| | 5/20/2024 | ND<0.25 U | 3 |
| | 9/16/2024 | 0.403 | 16 |
| | 12/11/2024 | 0.293 | 10 |
| | 2/18/2025 | 0.593 | 27 |

The Wilcoxon Statistic is 192
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 1.27069
The Standard Deviation adjusted for ties is 30.2561
The Z Score adjusted for ties is 1.27247
1.27069 < 2.326 indicating no statistical significance at 1% level

1.27247 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SME 7**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 4
Non detect rank is 2.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 16 |
| | 3/18/2021 | 0.319 | 12 |
| | 5/5/2021 | 0.213 | 10 |
| | 11/23/2021 | 0.164 | 8 |
| | 1/11/2022 | 0.44 | 20 |
| | 4/7/2022 | 0.273 | 11 |
| | 8/2/2022 | 0.102 | 5 |
| | 11/16/2022 | ND<0.1 U | 2.5 |
| | 2/14/2023 | 0.416 | 17 |
| | 5/25/2023 | ND<0.05 U | 2.5 |
| | 8/7/2023 | ND<0.1 U | 2.5 |
| | 12/12/2023 | 0.14 | 6 |
| | 1/10/2024 | 0.354 | 13 |
| | 5/21/2024 | 0.143 | 7 |
| | 9/16/2024 | ND<0.05 U | 2.5 |
| | 12/11/2024 | 0.202 | 9 |
| | 2/18/2025 | 0.368 | 15 |
| SME 7 | 12/17/2020 | 0.884 | 30 |
| | 3/18/2021 | 0.429 | 19 |
| | 5/5/2021 | 1.09 | 33 |
| | 9/2/2021 | 0.491 | 21 |
| | 11/23/2021 | 0.367 | 14 |
| | 1/10/2022 | 0.832 | 29 |
| | 4/7/2022 | 0.549 | 22 |
| | 8/3/2022 | 0.742 | 26 |
| | 11/16/2022 | 0.424 | 18 |
| | 2/13/2023 | 0.737 | 25 |
| | 5/24/2023 | 0.749 | 27 |
| | 8/7/2023 | 0.916 | 31 |
| | 12/12/2023 | 0.584 | 23 |
| | 1/10/2024 | 0.729 | 24 |
| | 5/20/2024 | 0.821 | 28 |
| | 9/16/2024 | 1.58 | 35 |
| | 12/11/2024 | 1.06 | 32 |
| | 2/18/2025 | 1.09 | 34 |

The Wilcoxon Statistic is 300
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 4.83522
The Standard Deviation adjusted for ties is 30.2773
The Z Score adjusted for ties is 4.83861
**4.83522 > 2.326 indicating statistical significance at 1% level**

**4.83861 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 7

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 11
Non detect rank is 6

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 6 |
| | 3/18/2021 | ND<0.1 U | 6 |
| | 5/5/2021 | ND<0.1 U | 6 |
| | 11/23/2021 | ND<0.1 U | 6 |
| | 1/11/2022 | ND<0.1 U | 6 |
| | 4/7/2022 | ND<0.1 U | 6 |
| | 8/2/2022 | ND<0.1 U | 6 |
| | 11/16/2022 | ND<0.1 U | 6 |
| | 2/14/2023 | ND<0.1 U | 6 |
| | 5/25/2023 | ND<0.035 U | 6 |
| | 8/7/2023 | 0.0866 | 16 |
| | 12/12/2023 | 0.0454 | 12 |
| | 1/10/2024 | 0.0532 | 13 |
| | 5/21/2024 | 0.0925 | 17 |
| | 9/16/2024 | 0.0824 | 15 |
| | 12/11/2024 | 0.0652 | 14 |
| | 2/18/2025 | 0.0946 | 18 |
| SME 7 | 12/17/2020 | ND<0.1 U | 6 |
| | 3/18/2021 | 0.27 | 26 |
| | 5/5/2021 | 0.244 | 23 |
| | 9/2/2021 | 0.275 | 27 |
| | 11/23/2021 | 0.516 | 31 |
| | 1/10/2022 | 0.211 | 22 |
| | 4/7/2022 | 0.264 | 25 |
| | 8/3/2022 | 0.373 | 28 |
| | 11/16/2022 | 0.528 | 32 |
| | 2/13/2023 | 0.115 | 19 |
| | 5/24/2023 | 0.206 | 20 |
| | 8/7/2023 | 0.469 | 29 |
| | 12/12/2023 | 0.748 | 35 |
| | 1/10/2024 | 0.47 | 30 |
| | 5/20/2024 | 0.206 | 21 |
| | 9/16/2024 | 0.678 | 34 |
| | 12/11/2024 | 0.538 | 33 |
| | 2/18/2025 | 0.252 | 24 |

The Wilcoxon Statistic is 294
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 4.63719
The Standard Deviation adjusted for ties is 29.8281
The Z Score adjusted for ties is 4.71033
**4.63719 > 2.326 indicating statistical significance at 1% level**

**4.71033 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 7

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 16
Non detect rank is 8.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 8.5 |
| | 3/18/2021 | ND<0.03 U | 8.5 |
| | 5/5/2021 | ND<0.03 U | 8.5 |
| | 11/23/2021 | ND<0.03 U | 8.5 |
| | 1/11/2022 | ND<0.03 U | 8.5 |
| | 4/7/2022 | 0.06 | 19 |
| | 8/2/2022 | ND<0.03 U | 8.5 |
| | 11/16/2022 | ND<0.03 U | 8.5 |
| | 2/14/2023 | ND<0.03 U | 8.5 |
| | 5/25/2023 | ND<0.014 U | 8.5 |
| | 8/7/2023 | ND<0.03 U | 8.5 |
| | 12/12/2023 | ND<0.014 U | 8.5 |
| | 1/10/2024 | 0.02 | 17 |
| | 5/21/2024 | ND<0.03 U | 8.5 |
| | 9/16/2024 | ND<0.014 U | 8.5 |
| | 12/11/2024 | ND<0.0196 U | 8.5 |
| | 2/18/2025 | 0.033 | 18 |
| SME 7 | 12/17/2020 | 0.094 | 21 |
| | 3/18/2021 | 0.093 | 20 |
| | 5/5/2021 | 0.112 | 23 |
| | 9/2/2021 | 0.179 | 27 |
| | 11/23/2021 | 0.472 | 31 |
| | 1/10/2022 | 0.14 | 24 |
| | 4/7/2022 | ND<0.03 U | 8.5 |
| | 8/3/2022 | 0.314 | 28 |
| | 11/16/2022 | 0.49 | 32 |
| | 2/13/2023 | ND<0.03 U | 8.5 |
| | 5/24/2023 | 0.143 | 25 |
| | 8/7/2023 | 0.403 | 30 |
| | 12/12/2023 | 0.705 | 34 |
| | 1/10/2024 | 0.32 | 29 |
| | 5/20/2024 | 0.162 | 26 |
| | 9/16/2024 | 0.577 | 33 |
| | 12/11/2024 | 0.788 | 35 |
| | 2/18/2025 | 0.099 | 22 |

The Wilcoxon Statistic is 286
The Expected value is is 153
The Standard Deviation is 30.2985
The Z Score is 4.37315
The Standard Deviation adjusted for ties is 28.8196
The Z Score adjusted for ties is 4.59756
**4.37315 > 2.326 indicating statistical significance at 1% level**

**4.59756 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 4
Non detect rank is 2.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 21 |
| | 3/18/2021 | 21.6 | 23 |
| | 5/5/2021 | 27.5 | 25 |
| | 11/23/2021 | 9.2 | 14 |
| | 1/11/2022 | 15.6 | 20 |
| | 4/7/2022 | 20.9 | 22 |
| | 8/2/2022 | 6 | 10 |
| | 11/16/2022 | 10.5 | 15 |
| | 2/14/2023 | 22.5 | 24 |
| | 5/25/2023 | 6.71 | 12 |
| | 8/7/2023 | 7 | 13 |
| | 12/12/2023 | 13.8 | 19 |
| | 1/10/2024 | 34.4 | 27 |
| | 5/21/2024 | 12 | 18 |
| | 9/16/2024 | 11.5 | 16 |
| | 12/11/2024 | 11.6 | 17 |
| | 2/18/2025 | 45.1 | 28 |
| SME 9 | 4/7/2022 | 2.9 | 7 |
| | 8/3/2022 | ND<2.5 U | 2.5 |
| | 11/16/2022 | ND<2.5 U | 2.5 |
| | 2/13/2023 | 2.6 | 5 |
| | 5/24/2023 | 59 | 29 |
| | 8/7/2023 | 5.6 | 9 |
| | 12/12/2023 | ND<2.5 U | 2.5 |
| | 1/10/2024 | 4.7 | 8 |
| | 5/20/2024 | 2.8 | 6 |
| | 9/16/2024 | ND<5 U | 2.5 |
| | 12/11/2024 | 6.49 | 11 |
| | 2/18/2025 | 28.5 | 26 |

The Wilcoxon Statistic is 33
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is -3.07751
The Standard Deviation adjusted for ties is 22.5554
The Z Score adjusted for ties is -3.08131
-3.07751 < 2.326 indicating no statistical significance at 1% level
-3.08131 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SME 9**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 4
Non detect rank is 2.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 6 |
| | 3/18/2021 | 0.331 | 10 |
| | 5/5/2021 | ND<0.25 U | 2.5 |
| | 11/23/2021 | ND<0.25 U | 2.5 |
| | 1/11/2022 | 0.97 | 27 |
| | 4/7/2022 | 0.254 | 5 |
| | 8/2/2022 | 0.274 | 7 |
| | 11/16/2022 | 0.382 | 12 |
| | 2/14/2023 | 0.484 | 16 |
| | 5/25/2023 | 0.513 | 18 |
| | 8/7/2023 | 0.436 | 14 |
| | 12/12/2023 | 0.497 | 17 |
| | 1/10/2024 | 0.327 | 9 |
| | 5/21/2024 | 0.565 | 20 |
| | 9/16/2024 | 0.709 | 24 |
| | 12/11/2024 | 0.305 | 8 |
| | 2/18/2025 | 0.434 | 13 |
| SME 9 | 4/7/2022 | 0.529 | 19 |
| | 8/3/2022 | 0.582 | 22 |
| | 11/16/2022 | ND<0.25 U | 2.5 |
| | 2/13/2023 | 0.783 | 25 |
| | 5/24/2023 | 0.66 | 23 |
| | 8/7/2023 | 1.36 | 28 |
| | 12/12/2023 | 0.345 | 11 |
| | 1/10/2024 | 1.87 | 29 |
| | 5/20/2024 | ND<0.25 U | 2.5 |
| | 9/16/2024 | 0.58 | 21 |
| | 12/11/2024 | 0.454 | 15 |
| | 2/18/2025 | 0.833 | 26 |

The Wilcoxon Statistic is 146
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is 1.92621
The Standard Deviation adjusted for ties is 22.5554
The Z Score adjusted for ties is 1.92859
1.92621 < 2.326 indicating no statistical significance at 1% level
1.92859 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SME 9**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 11
Non detect rank is 6

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 27 |
| | 3/18/2021 | 0.319 | 24 |
| | 5/5/2021 | 0.213 | 22 |
| | 11/23/2021 | 0.164 | 20 |
| | 1/11/2022 | 0.44 | 29 |
| | 4/7/2022 | 0.273 | 23 |
| | 8/2/2022 | 0.102 | 14 |
| | 11/16/2022 | ND<0.1 U | 6 |
| | 2/14/2023 | 0.416 | 28 |
| | 5/25/2023 | ND<0.05 U | 6 |
| | 8/7/2023 | ND<0.1 U | 6 |
| | 12/12/2023 | 0.14 | 17 |
| | 1/10/2024 | 0.354 | 25 |
| | 5/21/2024 | 0.143 | 18 |
| | 9/16/2024 | ND<0.05 U | 6 |
| | 12/11/2024 | 0.202 | 21 |
| | 2/18/2025 | 0.368 | 26 |
| SME 9 | 4/7/2022 | ND<0.1 U | 6 |
| | 8/3/2022 | 0.1 U | 13 |
| | 11/16/2022 | ND<0.1 U | 6 |
| | 2/13/2023 | ND<0.1 U | 6 |
| | 5/24/2023 | ND<0.05 U | 6 |
| | 8/7/2023 | ND<0.1 U | 6 |
| | 12/12/2023 | ND<0.05 U | 6 |
| | 1/10/2024 | 0.152 | 19 |
| | 5/20/2024 | 0.09 | 12 |
| | 9/16/2024 | ND<0.05 U | 6 |
| | 12/11/2024 | 0.123 | 16 |
| | 2/18/2025 | 0.106 | 15 |

The Wilcoxon Statistic is 39
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is -2.81183
The Standard Deviation adjusted for ties is 21.9628
The Z Score adjusted for ties is -2.89125
-2.81183 < 2.326 indicating no statistical significance at 1% level
-2.89125 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 14
Non detect rank is 7.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 7.5 |
| | 3/18/2021 | ND<0.1 U | 7.5 |
| | 5/5/2021 | ND<0.1 U | 7.5 |
| | 11/23/2021 | ND<0.1 U | 7.5 |
| | 1/11/2022 | ND<0.1 U | 7.5 |
| | 4/7/2022 | ND<0.1 U | 7.5 |
| | 8/2/2022 | ND<0.1 U | 7.5 |
| | 11/16/2022 | ND<0.1 U | 7.5 |
| | 2/14/2023 | ND<0.1 U | 7.5 |
| | 5/25/2023 | ND<0.035 U | 7.5 |
| | 8/7/2023 | 0.0866 | 23 |
| | 12/12/2023 | 0.0454 | 18 |
| | 1/10/2024 | 0.0532 | 19 |
| | 5/21/2024 | 0.0925 | 25 |
| | 9/16/2024 | 0.0824 | 22 |
| | 12/11/2024 | 0.0652 | 20 |
| | 2/18/2025 | 0.0946 | 26 |
| SME 9 | 4/7/2022 | 0.135 | 29 |
| | 8/3/2022 | ND<0.1 U | 7.5 |
| | 11/16/2022 | ND<0.1 U | 7.5 |
| | 2/13/2023 | ND<0.1 U | 7.5 |
| | 5/24/2023 | ND<0.035 U | 7.5 |
| | 8/7/2023 | 0.0873 | 24 |
| | 12/12/2023 | 0.0188 | 15 |
| | 1/10/2024 | 0.0388 | 17 |
| | 5/20/2024 | 0.069 | 21 |
| | 9/16/2024 | 0.115 | 28 |
| | 12/11/2024 | 0.022 | 16 |
| | 2/18/2025 | 0.0949 | 27 |

The Wilcoxon Statistic is 129
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is 1.17344
The Standard Deviation adjusted for ties is 21.2802
The Z Score adjusted for ties is 1.24529
1.17344 < 2.326 indicating no statistical significance at 1% level
1.24529 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 9

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 23
Non detect rank is 12

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 12 |
| | 3/18/2021 | ND<0.03 U | 12 |
| | 5/5/2021 | ND<0.03 U | 12 |
| | 11/23/2021 | ND<0.03 U | 12 |
| | 1/11/2022 | ND<0.03 U | 12 |
| | 4/7/2022 | 0.06 | 28 |
| | 8/2/2022 | ND<0.03 U | 12 |
| | 11/16/2022 | ND<0.03 U | 12 |
| | 2/14/2023 | ND<0.03 U | 12 |
| | 5/25/2023 | ND<0.014 U | 12 |
| | 8/7/2023 | ND<0.03 U | 12 |
| | 12/12/2023 | ND<0.014 U | 12 |
| | 1/10/2024 | 0.02 | 25 |
| | 5/21/2024 | ND<0.03 U | 12 |
| | 9/16/2024 | ND<0.014 U | 12 |
| | 12/11/2024 | ND<0.0196 U | 12 |
| | 2/18/2025 | 0.033 | 27 |
| SME 9 | 4/7/2022 | ND<0.03 U | 12 |
| | 8/3/2022 | ND<0.03 U | 12 |
| | 11/16/2022 | ND<0.03 U | 12 |
| | 2/13/2023 | 0.09 | 29 |
| | 5/24/2023 | ND<0.014 U | 12 |
| | 8/7/2023 | ND<0.03 U | 12 |
| | 12/12/2023 | ND<0.014 U | 12 |
| | 1/10/2024 | 0.016 | 24 |
| | 5/20/2024 | ND<0.03 U | 12 |
| | 9/16/2024 | ND<0.014 U | 12 |
| | 12/11/2024 | ND<0.0196 U | 12 |
| | 2/18/2025 | 0.023 | 26 |

The Wilcoxon Statistic is 109
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is 0.287825
The Standard Deviation adjusted for ties is 15.9923
The Z Score adjusted for ties is 0.406446
0.287825 < 2.326 indicating no statistical significance at 1% level
0.406446 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Suspended Solids

### Location: SME 10

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 23 |
| | 3/18/2021 | 21.6 | 25 |
| | 5/5/2021 | 27.5 | 27 |
| | 11/23/2021 | 9.2 | 13 |
| | 1/11/2022 | 15.6 | 22 |
| | 4/7/2022 | 20.9 | 24 |
| | 8/2/2022 | 6 | 8 |
| | 11/16/2022 | 10.5 | 15 |
| | 2/14/2023 | 22.5 | 26 |
| | 5/25/2023 | 6.71 | 9 |
| | 8/7/2023 | 7 | 10 |
| | 12/12/2023 | 13.8 | 20 |
| | 1/10/2024 | 34.4 | 28 |
| | 5/21/2024 | 12 | 19 |
| | 9/16/2024 | 11.5 | 17 |
| | 12/11/2024 | 11.6 | 18 |
| | 2/18/2025 | 45.1 | 29 |
| SME 10 | 4/7/2022 | 2.8 | 2 |
| | 8/3/2022 | 4.1 | 4 |
| | 11/16/2022 | 4.6 | 6 |
| | 2/13/2023 | 4 | 3 |
| | 5/24/2023 | 15 | 21 |
| | 8/7/2023 | 4.4 | 5 |
| | 12/12/2023 | 10.6 | 16 |
| | 1/10/2024 | 7.3 | 11 |
| | 5/20/2024 | 10 | 14 |
| | 9/16/2024 | ND<10 U | 1 |
| | 12/11/2024 | 7.4 | 12 |
| | 2/18/2025 | 4.6 | 7 |

The Wilcoxon Statistic is 24
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is -3.47604
The Standard Deviation adjusted for ties is 22.5832
The Z Score adjusted for ties is -3.47604
-3.47604 < 2.326 indicating no statistical significance at 1% level
-3.47604 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SME 10**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 2
Non detect rank is 1.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 4 |
| | 3/18/2021 | 0.331 | 9 |
| | 5/5/2021 | ND<0.25 U | 1.5 |
| | 11/23/2021 | ND<0.25 U | 1.5 |
| | 1/11/2022 | 0.97 | 28 |
| | 4/7/2022 | 0.254 | 3 |
| | 8/2/2022 | 0.274 | 5 |
| | 11/16/2022 | 0.382 | 12 |
| | 2/14/2023 | 0.484 | 17 |
| | 5/25/2023 | 0.513 | 19 |
| | 8/7/2023 | 0.436 | 14 |
| | 12/12/2023 | 0.497 | 18 |
| | 1/10/2024 | 0.327 | 8 |
| | 5/21/2024 | 0.565 | 21 |
| | 9/16/2024 | 0.709 | 24 |
| | 12/11/2024 | 0.305 | 6 |
| | 2/18/2025 | 0.434 | 13 |
| SME 10 | 4/7/2022 | 0.477 | 16 |
| | 8/3/2022 | 0.94 | 27 |
| | 11/16/2022 | 0.516 | 20 |
| | 2/13/2023 | 0.773 | 25 |
| | 5/24/2023 | 0.349 | 10 |
| | 8/7/2023 | 0.903 | 26 |
| | 12/12/2023 | 0.633 | 22 |
| | 1/10/2024 | 0.468 | 15 |
| | 5/20/2024 | 0.326 | 7 |
| | 9/16/2024 | 1.38 | 29 |
| | 12/11/2024 | 0.7 | 23 |
| | 2/18/2025 | 0.371 | 11 |

The Wilcoxon Statistic is 153
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is 2.23618
The Standard Deviation adjusted for ties is 22.5804
The Z Score adjusted for ties is 2.23645
2.23618 < 2.326 indicating no statistical significance at 1% level
2.23645 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SME 10**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 9
Non detect rank is 5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 26 |
| | 3/18/2021 | 0.319 | 22 |
| | 5/5/2021 | 0.213 | 20 |
| | 11/23/2021 | 0.164 | 16 |
| | 1/11/2022 | 0.44 | 29 |
| | 4/7/2022 | 0.273 | 21 |
| | 8/2/2022 | 0.102 | 10 |
| | 11/16/2022 | ND<0.1 U | 5 |
| | 2/14/2023 | 0.416 | 27 |
| | 5/25/2023 | ND<0.05 U | 5 |
| | 8/7/2023 | ND<0.1 U | 5 |
| | 12/12/2023 | 0.14 | 12 |
| | 1/10/2024 | 0.354 | 24 |
| | 5/21/2024 | 0.143 | 13 |
| | 9/16/2024 | ND<0.05 U | 5 |
| | 12/11/2024 | 0.202 | 18 |
| | 2/18/2025 | 0.368 | 25 |
| SME 10 | 4/7/2022 | ND<0.1 U | 5 |
| | 8/3/2022 | ND<0.1 U | 5 |
| | 11/16/2022 | ND<0.1 U | 5 |
| | 2/13/2023 | 0.185 | 17 |
| | 5/24/2023 | 0.143 | 14 |
| | 8/7/2023 | ND<0.1 U | 5 |
| | 12/12/2023 | ND<0.05 U | 5 |
| | 1/10/2024 | 0.433 | 28 |
| | 5/20/2024 | 0.132 | 11 |
| | 9/16/2024 | 0.212 | 19 |
| | 12/11/2024 | 0.163 | 15 |
| | 2/18/2025 | 0.327 | 23 |

The Wilcoxon Statistic is 74
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is -1.262
The Standard Deviation adjusted for ties is 22.2469
The Z Score adjusted for ties is -1.28108
-1.262 < 2.326 indicating no statistical significance at 1% level
-1.28108 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 10

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 16
Non detect rank is 8.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 8.5 |
| | 3/18/2021 | ND<0.1 U | 8.5 |
| | 5/5/2021 | ND<0.1 U | 8.5 |
| | 11/23/2021 | ND<0.1 U | 8.5 |
| | 1/11/2022 | ND<0.1 U | 8.5 |
| | 4/7/2022 | ND<0.1 U | 8.5 |
| | 8/2/2022 | ND<0.1 U | 8.5 |
| | 11/16/2022 | ND<0.1 U | 8.5 |
| | 2/14/2023 | ND<0.1 U | 8.5 |
| | 5/25/2023 | ND<0.035 U | 8.5 |
| | 8/7/2023 | 0.0866 | 24 |
| | 12/12/2023 | 0.0454 | 18 |
| | 1/10/2024 | 0.0532 | 20 |
| | 5/21/2024 | 0.0925 | 26 |
| | 9/16/2024 | 0.0824 | 23 |
| | 12/11/2024 | 0.0652 | 22 |
| | 2/18/2025 | 0.0946 | 27 |
| SME 10 | 4/7/2022 | ND<0.1 U | 8.5 |
| | 8/3/2022 | ND<0.1 U | 8.5 |
| | 11/16/2022 | ND<0.1 U | 8.5 |
| | 2/13/2023 | ND<0.1 U | 8.5 |
| | 5/24/2023 | 0.0371 | 17 |
| | 8/7/2023 | 0.0918 | 25 |
| | 12/12/2023 | 0.0471 | 19 |
| | 1/10/2024 | ND<0.035 U | 8.5 |
| | 5/20/2024 | 0.112 | 29 |
| | 9/16/2024 | 0.106 | 28 |
| | 12/11/2024 | 0.059 | 21 |
| | 2/18/2025 | ND<0.0642 U | 8.5 |

The Wilcoxon Statistic is 112
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is 0.420667
The Standard Deviation adjusted for ties is 20.6054
The Z Score adjusted for ties is 0.461045
0.420667 < 2.326 indicating no statistical significance at 1% level
0.461045 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 10

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 24
Non detect rank is 12.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 12.5 |
| | 3/18/2021 | ND<0.03 U | 12.5 |
| | 5/5/2021 | ND<0.03 U | 12.5 |
| | 11/23/2021 | ND<0.03 U | 12.5 |
| | 1/11/2022 | ND<0.03 U | 12.5 |
| | 4/7/2022 | 0.06 | 29 |
| | 8/2/2022 | ND<0.03 U | 12.5 |
| | 11/16/2022 | ND<0.03 U | 12.5 |
| | 2/14/2023 | ND<0.03 U | 12.5 |
| | 5/25/2023 | ND<0.014 U | 12.5 |
| | 8/7/2023 | ND<0.03 U | 12.5 |
| | 12/12/2023 | ND<0.014 U | 12.5 |
| | 1/10/2024 | 0.02 | 27 |
| | 5/21/2024 | ND<0.03 U | 12.5 |
| | 9/16/2024 | ND<0.014 U | 12.5 |
| | 12/11/2024 | ND<0.0196 U | 12.5 |
| | 2/18/2025 | 0.033 | 28 |
| SME 10 | 4/7/2022 | ND<0.03 U | 12.5 |
| | 8/3/2022 | ND<0.03 U | 12.5 |
| | 11/16/2022 | ND<0.03 U | 12.5 |
| | 2/13/2023 | ND<0.03 U | 12.5 |
| | 5/24/2023 | ND<0.014 U | 12.5 |
| | 8/7/2023 | ND<0.03 U | 12.5 |
| | 12/12/2023 | ND<0.014 U | 12.5 |
| | 1/10/2024 | 0.017 | 25 |
| | 5/20/2024 | ND<0.03 U | 12.5 |
| | 9/16/2024 | 0.018 | 26 |
| | 12/11/2024 | ND<0.0196 U | 12.5 |
| | 2/18/2025 | ND<0.0196 U | 12.5 |

The Wilcoxon Statistic is 98
The Expected value is is 102
The Standard Deviation is 22.5832
The Z Score is -0.199263
The Standard Deviation adjusted for ties is 14.8689
The Z Score adjusted for ties is -0.302645
-0.199263 < 2.326 indicating no statistical significance at 1% level
-0.302645 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SS 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 55 |
| | 3/18/2021 | 21.6 | 59 |
| | 5/5/2021 | 27.5 | 62 |
| | 11/23/2021 | 9.2 | 12 |
| | 1/11/2022 | 15.6 | 51 |
| | 4/7/2022 | 20.9 | 57 |
| | 8/2/2022 | 6 | 1 |
| | 11/16/2022 | 10.5 | 22 |
| | 2/14/2023 | 22.5 | 60 |
| | 5/25/2023 | 6.71 | 2 |
| | 8/7/2023 | 7 | 4 |
| | 12/12/2023 | 13.8 | 46 |
| | 1/10/2024 | 34.4 | 64 |
| | 5/21/2024 | 12 | 36 |
| | 9/16/2024 | 11.5 | 31 |
| | 12/11/2024 | 11.6 | 33 |
| | 2/18/2025 | 45.1 | 65 |
| SS 5 | 3/12/2013 | 7.2 | 6 |
| | 5/8/2013 | 21 | 58 |
| | 9/23/2013 | 15 | 49 |
| | 12/10/2013 | 13 | 42 |
| | 2/6/2014 | 12 | 37 |
| | 6/26/2014 | 11 | 24 |
| | 9/30/2014 | 11 | 25 |
| | 11/19/2014 | 9.6 | 14 |
| | 3/23/2015 | 11 | 26 |
| | 4/22/2015 | 13 | 43 |
| | 9/30/2015 | 9.9 | 17 |
| | 11/19/2015 | 11 | 27 |
| | 3/15/2016 | 9.5 | 13 |
| | 6/29/2016 | 13.2 | 44 |
| | 8/9/2016 | 12.6 | 40 |
| | 12/7/2016 | 8 | 9 |
| | 3/2/2017 | 16 | 53 |
| | 7/5/2017 | 12 | 38 |
| | 8/16/2017 | 15.1 | 50 |
| | 10/25/2017 | 11.8 | 35 |
| | 3/28/2018 | 8.33 | 11 |
| | 6/29/2018 | 13.3 | 45 |
| | 8/2/2018 | 12.8 | 41 |
| | 12/10/2018 | 16.7 | 54 |
| | 4/15/2019 | 11.7 | 34 |
| | 6/12/2019 | 11 | 28 |
| | 8/27/2019 | 7.1 | 5 |

| | | |
|---|---|---|
| 10/29/2019 | 10.4 | 19 |
| 3/30/2020 | 10.6 | 23 |
| 6/16/2020 | 9.67 | 15 |
| 9/21/2020 | 11 | 29 |
| 12/17/2020 | 10.1 | 18 |
| 3/18/2021 | 14.6 | 48 |
| 5/5/2021 | 32.2 | 63 |
| 9/2/2021 | 14.4 | 47 |
| 11/23/2021 | 7.7 | 7 |
| 1/11/2022 | 10.4 | 20 |
| 4/7/2022 | 15.6 | 52 |
| 8/2/2022 | 7.8 | 8 |
| 11/16/2022 | 8.3 | 10 |
| 2/14/2023 | 10.4 | 21 |
| 5/25/2023 | 9.8 | 16 |
| 8/7/2023 | 11.5 | 32 |
| 12/12/2023 | 6.8 | 3 |
| 1/10/2024 | 20.4 | 56 |
| 5/21/2024 | 11 | 30 |
| 9/16/2024 | 12 | 39 |
| 12/11/2024 | 23.3 | 61 |
| 2/18/2025 | 77.2 | 66 |

The Wilcoxon Statistic is 326
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -1.33436
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is -1.33436
-1.33436 < 2.326 indicating no statistical significance at 1% level
-1.33436 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SS 5**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 6
Non detect rank is 3.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 9 |
| | 3/18/2021 | 0.331 | 15 |
| | 5/5/2021 | ND<0.25 U | 3.5 |
| | 11/23/2021 | ND<0.25 U | 3.5 |
| | 1/11/2022 | 0.97 | 64 |
| | 4/7/2022 | 0.254 | 7 |
| | 8/2/2022 | 0.274 | 10 |
| | 11/16/2022 | 0.382 | 19 |
| | 2/14/2023 | 0.484 | 35 |
| | 5/25/2023 | 0.513 | 40 |
| | 8/7/2023 | 0.436 | 27 |
| | 12/12/2023 | 0.497 | 37 |
| | 1/10/2024 | 0.327 | 14 |
| | 5/21/2024 | 0.565 | 47 |
| | 9/16/2024 | 0.709 | 59 |
| | 12/11/2024 | 0.305 | 12 |
| | 2/18/2025 | 0.434 | 26 |
| SS 5 | 3/12/2013 | 0.39 | 20 |
| | 5/8/2013 | 0.62 | 54 |
| | 9/23/2013 | 1.3 | 65 |
| | 12/10/2013 | 0.67 | 58 |
| | 2/6/2014 | 0.86 | 63 |
| | 6/26/2014 | 0.4 | 22 |
| | 9/30/2014 | 0.45 | 28 |
| | 11/19/2014 | 0.35 | 17 |
| | 3/23/2015 | 0.46 | 30 |
| | 4/22/2015 | 0.47 | 32 |
| | 9/30/2015 | 0.61 | 53 |
| | 11/19/2015 | ND<0.25 U | 3.5 |
| | 3/15/2016 | 0.28 | 11 |
| | 6/29/2016 | 0.48 | 34 |
| | 8/9/2016 | 0.46 | 31 |
| | 12/7/2016 | 0.42 | 23 |
| | 3/2/2017 | 0.77 | 61 |
| | 7/5/2017 | 0.47 | 33 |
| | 8/16/2017 | 0.49 | 36 |
| | 10/25/2017 | 0.53 | 44 |
| | 3/28/2018 | ND<0.25 U | 3.5 |
| | 6/29/2018 | 0.605 | 52 |
| | 8/2/2018 | 0.554 | 46 |
| | 12/10/2018 | 0.522 | 42 |
| | 4/15/2019 | 0.374 | 18 |
| | 6/12/2019 | ND<0.25 U | 3.5 |
| | 8/27/2019 | 0.508 | 38 |

| | | |
|---|---|---|
| 10/29/2019 | 0.631 | 55 |
| 3/30/2020 | 0.399 | 21 |
| 6/16/2020 | 0.534 | 45 |
| 9/21/2020 | 0.512 | 39 |
| 12/17/2020 | 0.428 | 24 |
| 3/18/2021 | 0.57 | 48 |
| 5/5/2021 | 0.576 | 50 |
| 9/2/2021 | 0.431 | 25 |
| 11/23/2021 | ND<0.25 U | 3.5 |
| 1/11/2022 | 1.3 | 66 |
| 4/7/2022 | 0.516 | 41 |
| 8/2/2022 | 0.812 | 62 |
| 11/16/2022 | 0.314 | 13 |
| 2/14/2023 | 0.344 | 16 |
| 5/25/2023 | 0.638 | 57 |
| 8/7/2023 | 0.636 | 56 |
| 12/12/2023 | 0.573 | 49 |
| 1/10/2024 | 0.576 | 51 |
| 5/21/2024 | 0.261 | 8 |
| 9/16/2024 | 0.75 | 60 |
| 12/11/2024 | 0.451 | 29 |
| 2/18/2025 | 0.522 | 43 |

The Wilcoxon Statistic is 558
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 2.06752
The Standard Deviation adjusted for ties is 68.1727
The Z Score adjusted for ties is 2.06828
2.06752 < 2.326 indicating no statistical significance at 1% level
2.06828 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SS 5**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 28
Non detect rank is 14.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 63 |
| | 3/18/2021 | 0.319 | 58 |
| | 5/5/2021 | 0.213 | 48 |
| | 11/23/2021 | 0.164 | 42 |
| | 1/11/2022 | 0.44 | 66 |
| | 4/7/2022 | 0.273 | 54 |
| | 8/2/2022 | 0.102 | 29 |
| | 11/16/2022 | ND<0.1 U | 14.5 |
| | 2/14/2023 | 0.416 | 65 |
| | 5/25/2023 | ND<0.05 U | 14.5 |
| | 8/7/2023 | ND<0.1 U | 14.5 |
| | 12/12/2023 | 0.14 | 36 |
| | 1/10/2024 | 0.354 | 61 |
| | 5/21/2024 | 0.143 | 37 |
| | 9/16/2024 | ND<0.05 U | 14.5 |
| | 12/11/2024 | 0.202 | 47 |
| | 2/18/2025 | 0.368 | 62 |
| SS 5 | 3/12/2013 | 0.3 | 57 |
| | 5/8/2013 | 0.16 | 40 |
| | 9/23/2013 | ND<0.1 U | 14.5 |
| | 12/10/2013 | 0.24 | 49 |
| | 2/6/2014 | 0.39 | 64 |
| | 6/26/2014 | ND<0.1 U | 14.5 |
| | 9/30/2014 | ND<0.1 U | 14.5 |
| | 11/19/2014 | ND<0.1 U | 14.5 |
| | 3/23/2015 | 0.26 | 52 |
| | 4/22/2015 | 0.15 | 39 |
| | 9/30/2015 | ND<0.1 U | 14.5 |
| | 11/19/2015 | 0.24 | 50 |
| | 3/15/2016 | 0.26 | 53 |
| | 6/29/2016 | ND<0.1 U | 14.5 |
| | 8/9/2016 | ND<0.1 U | 14.5 |
| | 12/7/2016 | ND<0.1 U | 14.5 |
| | 3/2/2017 | 0.33 | 60 |
| | 7/5/2017 | ND<0.1 U | 14.5 |
| | 8/16/2017 | ND<0.1 U | 14.5 |
| | 10/25/2017 | ND<0.1 U | 14.5 |
| | 3/28/2018 | 0.248 | 51 |
| | 6/29/2018 | ND<0.1 U | 14.5 |
| | 8/2/2018 | ND<0.1 U | 14.5 |
| | 12/10/2018 | 0.146 | 38 |
| | 4/15/2019 | 0.168 | 44 |
| | 6/12/2019 | ND<0.1 U | 14.5 |
| | 8/27/2019 | ND<0.1 U | 14.5 |

| | | |
|---|---|---|
| 10/29/2019 | 0.105 | 30 |
| 3/30/2020 | 0.127 | 35 |
| 6/16/2020 | ND<0.1 U | 14.5 |
| 9/21/2020 | ND<0.1 U | 14.5 |
| 12/17/2020 | 0.2 | 46 |
| 3/18/2021 | 0.191 | 45 |
| 5/5/2021 | 0.108 | 32 |
| 9/2/2021 | ND<0.1 U | 14.5 |
| 11/23/2021 | 0.126 | 34 |
| 1/11/2022 | 0.32 | 59 |
| 4/7/2022 | 0.122 | 33 |
| 8/2/2022 | ND<0.1 U | 14.5 |
| 11/16/2022 | ND<0.1 U | 14.5 |
| 2/14/2023 | 0.284 | 55 |
| 5/25/2023 | ND<0.05 U | 14.5 |
| 8/7/2023 | ND<0.1 U | 14.5 |
| 12/12/2023 | ND<0.05 U | 14.5 |
| 1/10/2024 | 0.166 | 43 |
| 5/21/2024 | 0.107 | 31 |
| 9/16/2024 | ND<0.05 U | 14.5 |
| 12/11/2024 | 0.162 | 41 |
| 2/18/2025 | 0.295 | 56 |

The Wilcoxon Statistic is 260
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -2.30213
The Standard Deviation adjusted for ties is 65.5451
The Z Score adjusted for ties is -2.3953
-2.30213 < 2.326 indicating no statistical significance at 1% level
-2.3953 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SS 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 47
Non detect rank is 24

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 24 |
| | 3/18/2021 | ND<0.1 U | 24 |
| | 5/5/2021 | ND<0.1 U | 24 |
| | 11/23/2021 | ND<0.1 U | 24 |
| | 1/11/2022 | ND<0.1 U | 24 |
| | 4/7/2022 | ND<0.1 U | 24 |
| | 8/2/2022 | ND<0.1 U | 24 |
| | 11/16/2022 | ND<0.1 U | 24 |
| | 2/14/2023 | ND<0.1 U | 24 |
| | 5/25/2023 | ND<0.035 U | 24 |
| | 8/7/2023 | 0.0866 | 57 |
| | 12/12/2023 | 0.0454 | 49 |
| | 1/10/2024 | 0.0532 | 51 |
| | 5/21/2024 | 0.0925 | 59 |
| | 9/16/2024 | 0.0824 | 56 |
| | 12/11/2024 | 0.0652 | 52 |
| | 2/18/2025 | 0.0946 | 60 |
| SS 5 | 3/12/2013 | ND<0.1 U | 24 |
| | 5/8/2013 | ND<0.1 U | 24 |
| | 9/23/2013 | ND<0.1 U | 24 |
| | 12/10/2013 | 0.11 | 62 |
| | 2/6/2014 | ND<0.1 U | 24 |
| | 6/26/2014 | ND<0.1 U | 24 |
| | 9/30/2014 | ND<0.1 U | 24 |
| | 11/19/2014 | ND<0.1 U | 24 |
| | 3/23/2015 | ND<0.1 U | 24 |
| | 4/22/2015 | ND<0.1 U | 24 |
| | 9/30/2015 | ND<0.1 U | 24 |
| | 11/19/2015 | ND<0.1 U | 24 |
| | 3/15/2016 | 0.23 | 66 |
| | 6/29/2016 | ND<0.1 U | 24 |
| | 8/9/2016 | ND<0.1 U | 24 |
| | 12/7/2016 | 0.12 | 63 |
| | 3/2/2017 | ND<0.1 U | 24 |
| | 7/5/2017 | ND<0.1 U | 24 |
| | 8/16/2017 | ND<0.1 U | 24 |
| | 10/25/2017 | ND<0.1 U | 24 |
| | 3/28/2018 | ND<0.1 U | 24 |
| | 6/29/2018 | ND<0.1 U | 24 |
| | 8/2/2018 | ND<0.1 U | 24 |
| | 12/10/2018 | ND<0.1 U | 24 |
| | 4/15/2019 | ND<0.1 U | 24 |
| | 6/12/2019 | ND<0.1 U | 24 |
| | 8/27/2019 | 0.17 | 64 |

| | | |
|---|---|---|
| 10/29/2019 | 0.2 | 65 |
| 3/30/2020 | ND<0.1 U | 24 |
| 6/16/2020 | ND<0.1 U | 24 |
| 9/21/2020 | ND<0.1 U | 24 |
| 12/17/2020 | ND<0.1 U | 24 |
| 3/18/2021 | ND<0.1 U | 24 |
| 5/5/2021 | ND<0.1 U | 24 |
| 9/2/2021 | ND<0.1 U | 24 |
| 11/23/2021 | ND<0.1 U | 24 |
| 1/11/2022 | ND<0.1 U | 24 |
| 4/7/2022 | ND<0.1 U | 24 |
| 8/2/2022 | ND<0.1 U | 24 |
| 11/16/2022 | ND<0.1 U | 24 |
| 2/14/2023 | ND<0.1 U | 24 |
| 5/25/2023 | 0.0486 | 50 |
| 8/7/2023 | 0.0971 | 61 |
| 12/12/2023 | ND<0.035 U | 24 |
| 1/10/2024 | 0.0715 | 53 |
| 5/21/2024 | 0.0743 | 54 |
| 9/16/2024 | 0.0875 | 58 |
| 12/11/2024 | 0.0407 | 48 |
| 2/18/2025 | 0.0751 | 55 |

The Wilcoxon Statistic is 362
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -0.80648
The Standard Deviation adjusted for ties is 54.5134
The Z Score adjusted for ties is -1.00893
-0.80648 < 2.326 indicating no statistical significance at 1% level
-1.00893 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SS 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 55
Non detect rank is 28

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 28 |
| | 3/18/2021 | ND<0.03 U | 28 |
| | 5/5/2021 | ND<0.03 U | 28 |
| | 11/23/2021 | ND<0.03 U | 28 |
| | 1/11/2022 | ND<0.03 U | 28 |
| | 4/7/2022 | 0.06 | 62 |
| | 8/2/2022 | ND<0.03 U | 28 |
| | 11/16/2022 | ND<0.03 U | 28 |
| | 2/14/2023 | ND<0.03 U | 28 |
| | 5/25/2023 | ND<0.014 U | 28 |
| | 8/7/2023 | ND<0.03 U | 28 |
| | 12/12/2023 | ND<0.014 U | 28 |
| | 1/10/2024 | 0.02 | 56 |
| | 5/21/2024 | ND<0.03 U | 28 |
| | 9/16/2024 | ND<0.014 U | 28 |
| | 12/11/2024 | ND<0.0196 U | 28 |
| | 2/18/2025 | 0.033 | 59 |
| SS 5 | 3/12/2013 | 0.031 | 58 |
| | 5/8/2013 | ND<0.12 U | 28 |
| | 9/23/2013 | 0.029 | 57 |
| | 12/10/2013 | 0.043 | 60 |
| | 2/6/2014 | ND<0.025 U | 28 |
| | 6/26/2014 | ND<0.025 U | 28 |
| | 9/30/2014 | ND<0.025 U | 28 |
| | 11/19/2014 | ND<0.025 U | 28 |
| | 3/23/2015 | ND<0.025 U | 28 |
| | 4/22/2015 | ND<0.025 U | 28 |
| | 9/30/2015 | ND<0.025 U | 28 |
| | 11/19/2015 | ND<0.025 U | 28 |
| | 3/15/2016 | ND<0.025 U | 28 |
| | 6/29/2016 | 0.066 | 63 |
| | 8/9/2016 | ND<0.025 U | 28 |
| | 12/7/2016 | ND<0.025 U | 28 |
| | 3/2/2017 | ND<0.025 U | 28 |
| | 7/5/2017 | ND<0.025 U | 28 |
| | 8/16/2017 | ND<0.025 U | 28 |
| | 10/25/2017 | ND<0.025 U | 28 |
| | 3/28/2018 | ND<0.025 U | 28 |
| | 6/29/2018 | ND<0.025 U | 28 |
| | 8/2/2018 | ND<0.025 U | 28 |
| | 12/10/2018 | ND<0.025 U | 28 |
| | 4/15/2019 | ND<0.025 U | 28 |
| | 6/12/2019 | ND<0.025 U | 28 |
| | 8/27/2019 | ND<0.025 U | 28 |

| | | |
|---|---|---|
| 10/29/2019 | ND<0.025 U | 28 |
| 3/30/2020 | ND<0.025 U | 28 |
| 6/16/2020 | ND<0.03 U | 28 |
| 9/21/2020 | ND<0.03 U | 28 |
| 12/17/2020 | ND<0.03 U | 28 |
| 3/18/2021 | ND<0.03 U | 28 |
| 5/5/2021 | ND<0.03 U | 28 |
| 9/2/2021 | ND<0.03 U | 28 |
| 11/23/2021 | ND<0.03 U | 28 |
| 1/11/2022 | ND<0.03 U | 28 |
| 4/7/2022 | ND<0.03 U | 28 |
| 8/2/2022 | ND<0.03 U | 28 |
| 11/16/2022 | ND<0.03 U | 28 |
| 2/14/2023 | 0.093 | 64 |
| 5/25/2023 | 0.67 | 66 |
| 8/7/2023 | ND<0.03 U | 28 |
| 12/12/2023 | ND<0.014 U | 28 |
| 1/10/2024 | ND<0.014 U | 28 |
| 5/21/2024 | ND<0.03 U | 28 |
| 9/16/2024 | ND<0.014 U | 28 |
| 12/11/2024 | 0.15 | 65 |
| 2/18/2025 | 0.046 | 61 |

The Wilcoxon Statistic is 417
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0
The Standard Deviation adjusted for ties is 44.2683
The Z Score adjusted for ties is 0
0 < 2.326 indicating no statistical significance at 1% level
0 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SS 13

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 51 |
| | 3/18/2021 | 21.6 | 57 |
| | 5/5/2021 | 27.5 | 61 |
| | 11/23/2021 | 9.2 | 33 |
| | 1/11/2022 | 15.6 | 48 |
| | 4/7/2022 | 20.9 | 55 |
| | 8/2/2022 | 6 | 21 |
| | 11/16/2022 | 10.5 | 38 |
| | 2/14/2023 | 22.5 | 58 |
| | 5/25/2023 | 6.71 | 22 |
| | 8/7/2023 | 7 | 25 |
| | 12/12/2023 | 13.8 | 46 |
| | 1/10/2024 | 34.4 | 63 |
| | 5/21/2024 | 12 | 42 |
| | 9/16/2024 | 11.5 | 40 |
| | 12/11/2024 | 11.6 | 41 |
| | 2/18/2025 | 45.1 | 65 |
| SS 13 | 3/12/2013 | 4.7 | 9 |
| | 5/8/2013 | 5.7 | 20 |
| | 9/23/2013 | 9.6 | 34 |
| | 12/10/2013 | 5.6 | 19 |
| | 2/6/2014 | 4.1 | 7 |
| | 6/26/2014 | 5.4 | 16 |
| | 9/30/2014 | 12 | 43 |
| | 11/19/2014 | 4.8 | 11 |
| | 3/23/2015 | 7.6 | 29 |
| | 4/22/2015 | 10 | 36 |
| | 9/30/2015 | 9 | 32 |
| | 11/19/2015 | 4.8 | 12 |
| | 3/15/2016 | 4.7 | 10 |
| | 6/29/2016 | 9.8 | 35 |
| | 8/9/2016 | 24 | 59 |
| | 12/7/2016 | 3.6 | 3 |
| | 3/2/2017 | 4.6 | 8 |
| | 6/21/2017 | 12.8 | 44 |
| | 8/17/2017 | 18.6 | 52 |
| | 10/26/2017 | 7.2 | 27 |
| | 3/27/2018 | 16.2 | 49 |
| | 6/26/2018 | 10.2 | 37 |
| | 8/1/2018 | 20.2 | 54 |
| | 12/11/2018 | 8.6 | 31 |
| | 4/17/2019 | 6.8 | 24 |
| | 6/11/2019 | ND<6.25 U | 1 |
| | 8/28/2019 | 24.4 | 60 |

| | | |
|---|---|---|
| 10/28/2019 | 3.7 | 4 |
| 3/31/2020 | 92 | 66 |
| 6/10/2020 | 21.2 | 56 |
| 9/21/2020 | 7.8 | 30 |
| 12/17/2020 | 5.3 | 13 |
| 3/18/2021 | 16.5 | 50 |
| 5/5/2021 | 10.5 | 39 |
| 9/2/2021 | 13.4 | 45 |
| 11/23/2021 | 5.3 | 14 |
| 1/10/2022 | 7 | 26 |
| 4/7/2022 | 5.3 | 15 |
| 8/3/2022 | 44.4 | 64 |
| 11/16/2022 | 5.5 | 17 |
| 2/13/2023 | 2.5 | 2 |
| 5/24/2023 | 3.73 | 5 |
| 8/7/2023 | 4 | 6 |
| 12/12/2023 | 5.5 | 18 |
| 1/10/2024 | 6.71 | 23 |
| 5/20/2024 | 32.7 | 62 |
| 9/16/2024 | 14.8 | 47 |
| 12/11/2024 | 7.5 | 28 |
| 2/18/2025 | 20 | 53 |

The Wilcoxon Statistic is 220
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -2.88866
The Standard Deviation adjusted for ties is 68.1976
The Z Score adjusted for ties is -2.88866
-2.88866 < 2.326 indicating no statistical significance at 1% level
-2.88866 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SS 13**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 5
Non detect rank is 3

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 8 |
| | 3/18/2021 | 0.331 | 13 |
| | 5/5/2021 | ND<0.25 U | 3 |
| | 11/23/2021 | ND<0.25 U | 3 |
| | 1/11/2022 | 0.97 | 56 |
| | 4/7/2022 | 0.254 | 6 |
| | 8/2/2022 | 0.274 | 9 |
| | 11/16/2022 | 0.382 | 14 |
| | 2/14/2023 | 0.484 | 22 |
| | 5/25/2023 | 0.513 | 26 |
| | 8/7/2023 | 0.436 | 18 |
| | 12/12/2023 | 0.497 | 24 |
| | 1/10/2024 | 0.327 | 11 |
| | 5/21/2024 | 0.565 | 30 |
| | 9/16/2024 | 0.709 | 37 |
| | 12/11/2024 | 0.305 | 10 |
| | 2/18/2025 | 0.434 | 17 |
| SS 13 | 3/12/2013 | 0.78 | 45 |
| | 5/8/2013 | 0.72 | 39 |
| | 9/23/2013 | 0.84 | 49 |
| | 12/10/2013 | 0.67 | 35 |
| | 2/6/2014 | 0.44 | 19 |
| | 6/26/2014 | 0.52 | 27 |
| | 9/30/2014 | 0.44 | 20 |
| | 11/19/2014 | 0.4 | 15 |
| | 3/23/2015 | 0.71 | 38 |
| | 4/22/2015 | 0.67 | 36 |
| | 9/30/2015 | 0.52 | 28 |
| | 11/19/2015 | 0.97 | 57 |
| | 3/15/2016 | ND<0.25 U | 3 |
| | 6/29/2016 | 0.53 | 29 |
| | 8/9/2016 | 0.73 | 41 |
| | 12/7/2016 | 0.45 | 21 |
| | 3/2/2017 | 0.75 | 44 |
| | 6/21/2017 | 0.82 | 47 |
| | 8/17/2017 | 0.81 | 46 |
| | 10/26/2017 | 0.6 | 31 |
| | 3/27/2018 | ND<0.25 U | 3 |
| | 6/26/2018 | 0.998 | 58 |
| | 8/1/2018 | 1.18 | 61 |
| | 12/11/2018 | 0.655 | 34 |
| | 4/17/2019 | 0.624 | 32 |
| | 6/11/2019 | 0.929 | 55 |
| | 8/28/2019 | 1.17 | 60 |

| | | |
|---|---|---|
| 10/28/2019 | 0.739 | 42 |
| 3/31/2020 | 0.928 | 54 |
| 6/10/2020 | 0.492 | 23 |
| 9/21/2020 | ND<0.25 U | 3 |
| 12/17/2020 | 0.432 | 16 |
| 3/18/2021 | 0.926 | 53 |
| 5/5/2021 | 1.41 | 64 |
| 9/2/2021 | 1.33 | 63 |
| 11/23/2021 | 0.33 | 12 |
| 1/10/2022 | 0.725 | 40 |
| 4/7/2022 | 0.886 | 51 |
| 8/3/2022 | 1.65 | 65 |
| 11/16/2022 | 0.26 | 7 |
| 2/13/2023 | 1 | 59 |
| 5/24/2023 | 0.903 | 52 |
| 8/7/2023 | 0.825 | 48 |
| 12/12/2023 | 0.744 | 43 |
| 1/10/2024 | 1.72 | 66 |
| 5/20/2024 | 0.51 | 25 |
| 9/16/2024 | 0.877 | 50 |
| 12/11/2024 | 1.25 | 62 |
| 2/18/2025 | 0.648 | 33 |

The Wilcoxon Statistic is 679
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 3.84178
The Standard Deviation adjusted for ties is 68.1834
The Z Score adjusted for ties is 3.84258
**3.84178 > 2.326 indicating statistical significance  at 1% level**
**3.84258 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: Nitrate-nitrite**

**Location: SS 13**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 23
Non detect rank is 12

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 56 |
| | 3/18/2021 | 0.319 | 46 |
| | 5/5/2021 | 0.213 | 36 |
| | 11/23/2021 | 0.164 | 32 |
| | 1/11/2022 | 0.44 | 61 |
| | 4/7/2022 | 0.273 | 43 |
| | 8/2/2022 | 0.102 | 25 |
| | 11/16/2022 | ND<0.1 U | 12 |
| | 2/14/2023 | 0.416 | 58 |
| | 5/25/2023 | ND<0.05 U | 12 |
| | 8/7/2023 | ND<0.1 U | 12 |
| | 12/12/2023 | 0.14 | 28 |
| | 1/10/2024 | 0.354 | 52 |
| | 5/21/2024 | 0.143 | 29 |
| | 9/16/2024 | ND<0.05 U | 12 |
| | 12/11/2024 | 0.202 | 34 |
| | 2/18/2025 | 0.368 | 55 |
| SS 13 | 3/12/2013 | 0.34 | 51 |
| | 5/8/2013 | 0.36 | 54 |
| | 9/23/2013 | ND<0.1 U | 12 |
| | 12/10/2013 | 0.33 | 50 |
| | 2/6/2014 | 0.42 | 59 |
| | 6/26/2014 | ND<0.1 U | 12 |
| | 9/30/2014 | ND<0.1 U | 12 |
| | 11/19/2014 | 0.22 | 37 |
| | 3/23/2015 | 0.22 | 38 |
| | 4/22/2015 | 0.32 | 47 |
| | 9/30/2015 | ND<0.1 U | 12 |
| | 11/19/2015 | 0.24 | 41 |
| | 3/15/2016 | 0.32 | 48 |
| | 6/29/2016 | ND<0.1 U | 12 |
| | 8/9/2016 | ND<0.1 U | 12 |
| | 12/7/2016 | 0.11 | 26 |
| | 3/2/2017 | 0.25 | 42 |
| | 6/21/2017 | ND<0.1 U | 12 |
| | 8/17/2017 | ND<0.1 U | 12 |
| | 10/26/2017 | 0.12 | 27 |
| | 3/27/2018 | 0.495 | 65 |
| | 6/26/2018 | ND<0.1 U | 12 |
| | 8/1/2018 | 0.226 | 39 |
| | 12/11/2018 | 0.451 | 62 |
| | 4/17/2019 | ND<0.1 U | 12 |
| | 6/11/2019 | ND<0.1 U | 12 |
| | 8/28/2019 | ND<0.1 U | 12 |

| | | |
|---|---|---|
| 10/28/2019 | 0.211 | 35 |
| 3/31/2020 | 0.233 | 40 |
| 6/10/2020 | ND<0.1 U | 12 |
| 9/21/2020 | ND<0.1 U | 12 |
| 12/17/2020 | 0.405 | 57 |
| 3/18/2021 | 0.163 | 31 |
| 5/5/2021 | 7.64 | 66 |
| 9/2/2021 | 0.189 | 33 |
| 11/23/2021 | 0.16 | 30 |
| 1/10/2022 | 0.295 | 44 |
| 4/7/2022 | 0.304 | 45 |
| 8/3/2022 | ND<0.1 U | 12 |
| 11/16/2022 | ND<0.1 U | 12 |
| 2/13/2023 | 0.459 | 63 |
| 5/24/2023 | 0.358 | 53 |
| 8/7/2023 | ND<0.1 U | 12 |
| 12/12/2023 | 0.098 | 24 |
| 1/10/2024 | 0.426 | 60 |
| 5/20/2024 | ND<0.1 U | 12 |
| 9/16/2024 | ND<0.05 U | 12 |
| 12/11/2024 | 0.322 | 49 |
| 2/18/2025 | 0.493 | 64 |

The Wilcoxon Statistic is 383
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -0.498551
The Standard Deviation adjusted for ties is 66.7414
The Z Score adjusted for ties is -0.509429
-0.498551 < 2.326 indicating no statistical significance at 1% level
-0.509429 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SS 13

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 42
Non detect rank is 21.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 21.5 |
| | 3/18/2021 | ND<0.1 U | 21.5 |
| | 5/5/2021 | ND<0.1 U | 21.5 |
| | 11/23/2021 | ND<0.1 U | 21.5 |
| | 1/11/2022 | ND<0.1 U | 21.5 |
| | 4/7/2022 | ND<0.1 U | 21.5 |
| | 8/2/2022 | ND<0.1 U | 21.5 |
| | 11/16/2022 | ND<0.1 U | 21.5 |
| | 2/14/2023 | ND<0.1 U | 21.5 |
| | 5/25/2023 | ND<0.035 U | 21.5 |
| | 8/7/2023 | 0.0866 | 49 |
| | 12/12/2023 | 0.0454 | 43 |
| | 1/10/2024 | 0.0532 | 44 |
| | 5/21/2024 | 0.0925 | 50 |
| | 9/16/2024 | 0.0824 | 48 |
| | 12/11/2024 | 0.0652 | 45 |
| | 2/18/2025 | 0.0946 | 52 |
| SS 13 | 3/12/2013 | ND<0.1 U | 21.5 |
| | 5/8/2013 | ND<0.1 U | 21.5 |
| | 9/23/2013 | ND<0.1 U | 21.5 |
| | 12/10/2013 | 0.12 | 55 |
| | 2/6/2014 | ND<0.1 U | 21.5 |
| | 6/26/2014 | 0.12 | 56 |
| | 9/30/2014 | ND<0.1 U | 21.5 |
| | 11/19/2014 | ND<0.1 U | 21.5 |
| | 3/23/2015 | ND<0.1 U | 21.5 |
| | 4/22/2015 | ND<0.1 U | 21.5 |
| | 9/30/2015 | ND<0.1 U | 21.5 |
| | 11/19/2015 | 0.18 | 64 |
| | 3/15/2016 | ND<0.1 U | 21.5 |
| | 6/29/2016 | ND<0.1 U | 21.5 |
| | 8/9/2016 | ND<0.1 U | 21.5 |
| | 12/7/2016 | ND<0.1 U | 21.5 |
| | 3/2/2017 | ND<0.1 U | 21.5 |
| | 6/21/2017 | ND<0.1 U | 21.5 |
| | 8/17/2017 | ND<0.1 U | 21.5 |
| | 10/26/2017 | ND<0.1 U | 21.5 |
| | 3/27/2018 | ND<0.1 U | 21.5 |
| | 6/26/2018 | 0.14 | 58 |
| | 8/1/2018 | 0.308 | 66 |
| | 12/11/2018 | ND<0.1 U | 21.5 |
| | 4/17/2019 | ND<0.1 U | 21.5 |
| | 6/11/2019 | ND<0.1 U | 21.5 |
| | 8/28/2019 | ND<0.1 U | 21.5 |

| | | |
|---|---|---|
| 10/28/2019 | ND<0.1 U | 21.5 |
| 3/31/2020 | 0.147 | 59 |
| 6/10/2020 | ND<0.1 U | 21.5 |
| 9/21/2020 | 0.2 | 65 |
| 12/17/2020 | ND<0.1 U | 21.5 |
| 3/18/2021 | ND<0.1 U | 21.5 |
| 5/5/2021 | 0.16 | 62 |
| 9/2/2021 | 0.108 | 53 |
| 11/23/2021 | ND<0.1 U | 21.5 |
| 1/10/2022 | ND<0.1 U | 21.5 |
| 4/7/2022 | ND<0.1 U | 21.5 |
| 8/3/2022 | ND<0.1 U | 21.5 |
| 11/16/2022 | ND<0.1 U | 21.5 |
| 2/13/2023 | ND<0.1 U | 21.5 |
| 5/24/2023 | 0.0655 | 46 |
| 8/7/2023 | 0.111 | 54 |
| 12/12/2023 | 0.0822 | 47 |
| 1/10/2024 | 0.0934 | 51 |
| 5/20/2024 | 0.156 | 60 |
| 9/16/2024 | 0.129 | 57 |
| 12/11/2024 | 0.159 | 61 |
| 2/18/2025 | 0.163 | 63 |

The Wilcoxon Statistic is 440
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.337255
The Standard Deviation adjusted for ties is 58.7603
The Z Score adjusted for ties is 0.391421
0.337255 < 2.326 indicating no statistical significance at 1% level
0.391421 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SS 13

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 51
Non detect rank is 26

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 26 |
| | 3/18/2021 | ND<0.03 U | 26 |
| | 5/5/2021 | ND<0.03 U | 26 |
| | 11/23/2021 | ND<0.03 U | 26 |
| | 1/11/2022 | ND<0.03 U | 26 |
| | 4/7/2022 | 0.06 | 62 |
| | 8/2/2022 | ND<0.03 U | 26 |
| | 11/16/2022 | ND<0.03 U | 26 |
| | 2/14/2023 | ND<0.03 U | 26 |
| | 5/25/2023 | ND<0.014 U | 26 |
| | 8/7/2023 | ND<0.03 U | 26 |
| | 12/12/2023 | ND<0.014 U | 26 |
| | 1/10/2024 | 0.02 | 52 |
| | 5/21/2024 | ND<0.03 U | 26 |
| | 9/16/2024 | ND<0.014 U | 26 |
| | 12/11/2024 | ND<0.0196 U | 26 |
| | 2/18/2025 | 0.033 | 58 |
| SS 13 | 3/12/2013 | 0.032 | 56 |
| | 5/8/2013 | ND<0.05 U | 26 |
| | 9/23/2013 | 0.028 | 53 |
| | 12/10/2013 | 0.077 | 63 |
| | 2/6/2014 | ND<0.025 U | 26 |
| | 6/26/2014 | ND<0.025 U | 26 |
| | 9/30/2014 | ND<0.025 U | 26 |
| | 11/19/2014 | 0.044 | 59 |
| | 3/23/2015 | 0.029 | 54 |
| | 4/22/2015 | ND<0.025 U | 26 |
| | 9/30/2015 | ND<0.025 U | 26 |
| | 11/19/2015 | ND<0.025 U | 26 |
| | 3/15/2016 | ND<0.025 U | 26 |
| | 6/29/2016 | ND<0.025 U | 26 |
| | 8/9/2016 | ND<0.025 U | 26 |
| | 12/7/2016 | ND<0.025 U | 26 |
| | 3/2/2017 | ND<0.025 U | 26 |
| | 6/21/2017 | ND<0.025 U | 26 |
| | 8/17/2017 | ND<0.025 U | 26 |
| | 10/26/2017 | ND<0.025 U | 26 |
| | 3/27/2018 | ND<0.025 U | 26 |
| | 6/26/2018 | ND<0.025 U | 26 |
| | 8/1/2018 | 0.206 | 66 |
| | 12/11/2018 | ND<0.025 U | 26 |
| | 4/17/2019 | ND<0.025 U | 26 |
| | 6/11/2019 | ND<0.025 U | 26 |
| | 8/28/2019 | ND<0.025 U | 26 |

| | | |
|---|---|---|
| 10/28/2019 | 0.031 | 55 |
| 3/31/2020 | 0.058 | 61 |
| 6/10/2020 | ND<0.03 U | 26 |
| 9/21/2020 | ND<0.03 U | 26 |
| 12/17/2020 | ND<0.03 U | 26 |
| 3/18/2021 | ND<0.03 U | 26 |
| 5/5/2021 | 0.096 | 65 |
| 9/2/2021 | ND<0.03 U | 26 |
| 11/23/2021 | ND<0.03 U | 26 |
| 1/10/2022 | ND<0.03 U | 26 |
| 4/7/2022 | ND<0.03 U | 26 |
| 8/3/2022 | ND<0.03 U | 26 |
| 11/16/2022 | ND<0.03 U | 26 |
| 2/13/2023 | ND<0.03 U | 26 |
| 5/24/2023 | ND<0.014 U | 26 |
| 8/7/2023 | ND<0.03 U | 26 |
| 12/12/2023 | ND<0.014 U | 26 |
| 1/10/2024 | 0.057 | 60 |
| 5/20/2024 | 0.032 | 57 |
| 9/16/2024 | ND<0.014 U | 26 |
| 12/11/2024 | 0.084 | 64 |
| 2/18/2025 | ND<0.0196 U | 26 |

The Wilcoxon Statistic is 450
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 0.483888
The Standard Deviation adjusted for ties is 50.0531
The Z Score adjusted for ties is 0.6593
0.483888 < 2.326 indicating no statistical significance at 1% level
0.6593 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SS 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 4
Non detect rank is 2.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 17.8 | 52 |
| | 3/18/2021 | 21.6 | 56 |
| | 5/5/2021 | 27.5 | 60 |
| | 11/23/2021 | 9.2 | 36 |
| | 1/11/2022 | 15.6 | 51 |
| | 4/7/2022 | 20.9 | 55 |
| | 8/2/2022 | 6 | 20 |
| | 11/16/2022 | 10.5 | 43 |
| | 2/14/2023 | 22.5 | 57 |
| | 5/25/2023 | 6.71 | 28 |
| | 8/7/2023 | 7 | 29 |
| | 12/12/2023 | 13.8 | 49 |
| | 1/10/2024 | 34.4 | 61 |
| | 5/21/2024 | 12 | 47 |
| | 9/16/2024 | 11.5 | 45 |
| | 12/11/2024 | 11.6 | 46 |
| | 2/18/2025 | 45.1 | 63 |
| SS 14 | 3/12/2013 | 4.7 | 16 |
| | 5/8/2013 | 5 | 17 |
| | 9/23/2013 | ND<2.5 U | 2.5 |
| | 12/10/2013 | 9.2 | 37 |
| | 2/6/2014 | 14 | 50 |
| | 6/26/2014 | ND<2.5 U | 2.5 |
| | 9/30/2014 | 6.1 | 22 |
| | 11/19/2014 | 9.2 | 38 |
| | 3/23/2015 | 11 | 44 |
| | 4/22/2015 | 6.3 | 24 |
| | 9/30/2015 | 6.6 | 26 |
| | 11/19/2015 | 23.3 | 58 |
| | 3/15/2016 | 8.1 | 31 |
| | 6/29/2016 | 6 | 21 |
| | 8/9/2016 | 12.7 | 48 |
| | 12/7/2016 | ND<2.5 U | 2.5 |
| | 3/2/2017 | 9.2 | 39 |
| | 6/21/2017 | 63.7 | 65 |
| | 8/17/2017 | 24.8 | 59 |
| | 10/26/2017 | 3.6 | 10 |
| | 3/27/2018 | 8.2 | 32 |
| | 6/26/2018 | 18.7 | 53 |
| | 8/1/2018 | 60 | 64 |
| | 12/11/2018 | 4.3 | 11 |
| | 4/17/2019 | 6.7 | 27 |
| | 6/11/2019 | 5.9 | 19 |
| | 8/28/2019 | 8.5 | 35 |

| | | |
|---|---|---|
| 10/28/2019 | 2.7 | 7 |
| 3/31/2020 | 145 | 66 |
| 6/10/2020 | 40.4 | 62 |
| 9/21/2020 | 8.4 | 34 |
| 12/17/2020 | 5.4 | 18 |
| 3/18/2021 | 19.8 | 54 |
| 5/5/2021 | 6.27 | 23 |
| 9/2/2021 | 3 | 9 |
| 11/23/2021 | 2.6 | 6 |
| 1/10/2022 | 4.4 | 13 |
| 4/7/2022 | 2.9 | 8 |
| 8/3/2022 | 6.5 | 25 |
| 11/16/2022 | 2.5 | 5 |
| 2/13/2023 | 4.3 | 12 |
| 5/24/2023 | 4.4 | 14 |
| 8/7/2023 | 8.2 | 33 |
| 12/12/2023 | ND<2.5 U | 2.5 |
| 1/10/2024 | 9.6 | 40 |
| 5/20/2024 | 7.67 | 30 |
| 9/16/2024 | 10 | 42 |
| 12/11/2024 | 9.9 | 41 |
| 2/18/2025 | 4.5 | 15 |

The Wilcoxon Statistic is 188
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is -3.35789
The Standard Deviation adjusted for ties is 68.1905
The Z Score adjusted for ties is -3.35824
-3.35789 < 2.326 indicating no statistical significance at 1% level
-3.35824 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SS 14**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 3
Non detect rank is 2

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.263 | 5 |
| | 3/18/2021 | 0.331 | 10 |
| | 5/5/2021 | ND<0.25 U | 2 |
| | 11/23/2021 | ND<0.25 U | 2 |
| | 1/11/2022 | 0.97 | 59 |
| | 4/7/2022 | 0.254 | 4 |
| | 8/2/2022 | 0.274 | 6 |
| | 11/16/2022 | 0.382 | 13 |
| | 2/14/2023 | 0.484 | 20 |
| | 5/25/2023 | 0.513 | 26 |
| | 8/7/2023 | 0.436 | 17 |
| | 12/12/2023 | 0.497 | 22 |
| | 1/10/2024 | 0.327 | 9 |
| | 5/21/2024 | 0.565 | 31 |
| | 9/16/2024 | 0.709 | 42 |
| | 12/11/2024 | 0.305 | 8 |
| | 2/18/2025 | 0.434 | 16 |
| SS 14 | 3/12/2013 | 0.77 | 47 |
| | 5/8/2013 | 0.53 | 28 |
| | 9/23/2013 | 0.45 | 18 |
| | 12/10/2013 | 0.66 | 38 |
| | 2/6/2014 | 0.5 | 23 |
| | 6/26/2014 | 0.89 | 52 |
| | 9/30/2014 | 0.52 | 27 |
| | 11/19/2014 | 0.46 | 19 |
| | 3/23/2015 | 1.1 | 65 |
| | 4/22/2015 | 0.58 | 34 |
| | 9/30/2015 | 0.51 | 25 |
| | 11/19/2015 | 1 | 60 |
| | 3/15/2016 | 0.83 | 48 |
| | 6/29/2016 | 0.65 | 37 |
| | 8/9/2016 | 0.87 | 51 |
| | 12/7/2016 | 0.71 | 43 |
| | 3/2/2017 | 0.84 | 50 |
| | 6/21/2017 | 0.73 | 45 |
| | 8/17/2017 | 0.83 | 49 |
| | 10/26/2017 | 0.58 | 35 |
| | 3/27/2018 | ND<0.25 U | 2 |
| | 6/26/2018 | 1.01 | 61 |
| | 8/1/2018 | 0.89 | 53 |
| | 12/11/2018 | 0.635 | 36 |
| | 4/17/2019 | 0.414 | 15 |
| | 6/11/2019 | 0.928 | 56 |
| | 8/28/2019 | 1.05 | 62 |

| | | |
|---|---|---|
| 10/28/2019 | 0.381 | 12 |
| 3/31/2020 | 0.934 | 57 |
| 6/10/2020 | 0.897 | 54 |
| 9/21/2020 | 0.281 | 7 |
| 12/17/2020 | 0.54 | 29 |
| 3/18/2021 | 0.67 | 39 |
| 5/5/2021 | 1.06 | 63 |
| 9/2/2021 | 0.935 | 58 |
| 11/23/2021 | 0.37 | 11 |
| 1/10/2022 | 0.674 | 40 |
| 4/7/2022 | 0.566 | 32 |
| 8/3/2022 | 0.723 | 44 |
| 11/16/2022 | 0.406 | 14 |
| 2/13/2023 | 0.749 | 46 |
| 5/24/2023 | 0.506 | 24 |
| 8/7/2023 | 0.903 | 55 |
| 12/12/2023 | 0.573 | 33 |
| 1/10/2024 | 1.08 | 64 |
| 5/20/2024 | 0.49 | 21 |
| 9/16/2024 | 1.33 | 66 |
| 12/11/2024 | 0.7 | 41 |
| 2/18/2025 | 0.551 | 30 |

The Wilcoxon Statistic is 694
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 4.06172
The Standard Deviation adjusted for ties is 68.1948
The Z Score adjusted for ties is 4.06189
**4.06172 > 2.326 indicating statistical significance  at 1% level**
**4.06189 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: SS 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 10
Non detect rank is 5.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | 0.387 | 39 |
| | 3/18/2021 | 0.319 | 32 |
| | 5/5/2021 | 0.213 | 24 |
| | 11/23/2021 | 0.164 | 18 |
| | 1/11/2022 | 0.44 | 43 |
| | 4/7/2022 | 0.273 | 29 |
| | 8/2/2022 | 0.102 | 12 |
| | 11/16/2022 | ND<0.1 U | 5.5 |
| | 2/14/2023 | 0.416 | 42 |
| | 5/25/2023 | ND<0.05 U | 5.5 |
| | 8/7/2023 | ND<0.1 U | 5.5 |
| | 12/12/2023 | 0.14 | 15 |
| | 1/10/2024 | 0.354 | 35 |
| | 5/21/2024 | 0.143 | 16 |
| | 9/16/2024 | ND<0.05 U | 5.5 |
| | 12/11/2024 | 0.202 | 22 |
| | 2/18/2025 | 0.368 | 36 |
| SS 14 | 3/12/2013 | 0.4 | 40 |
| | 5/8/2013 | 0.45 | 46 |
| | 9/23/2013 | 0.38 | 37 |
| | 12/10/2013 | 0.28 | 30 |
| | 2/6/2014 | 0.62 | 56 |
| | 6/26/2014 | 0.67 | 58 |
| | 9/30/2014 | ND<0.1 U | 5.5 |
| | 11/19/2014 | 0.75 | 62 |
| | 3/23/2015 | 0.27 | 28 |
| | 4/22/2015 | 0.62 | 57 |
| | 9/30/2015 | ND<0.1 U | 5.5 |
| | 11/19/2015 | 0.44 | 44 |
| | 3/15/2016 | 0.5 | 50 |
| | 6/29/2016 | ND<0.1 U | 5.5 |
| | 8/9/2016 | 0.16 | 17 |
| | 12/7/2016 | 0.89 | 64 |
| | 3/2/2017 | 0.48 | 48 |
| | 6/21/2017 | 0.25 | 27 |
| | 8/17/2017 | 0.12 | 14 |
| | 10/26/2017 | 0.7 | 61 |
| | 3/27/2018 | 0.673 | 59 |
| | 6/26/2018 | 0.206 | 23 |
| | 8/1/2018 | 0.109 | 13 |
| | 12/11/2018 | 0.812 | 63 |
| | 4/17/2019 | 0.598 | 55 |
| | 6/11/2019 | 0.444 | 45 |
| | 8/28/2019 | ND<0.1 U | 5.5 |

| | | |
|---|---|---|
| 10/28/2019 | 0.458 | 47 |
| 3/31/2020 | 0.19 | 21 |
| 6/10/2020 | 0.246 | 26 |
| 9/21/2020 | 0.345 | 33 |
| 12/17/2020 | 0.546 | 53 |
| 3/18/2021 | 0.189 | 20 |
| 5/5/2021 | 7.85 | 66 |
| 9/2/2021 | 0.552 | 54 |
| 11/23/2021 | 0.315 | 31 |
| 1/10/2022 | 0.385 | 38 |
| 4/7/2022 | 0.402 | 41 |
| 8/3/2022 | 0.176 | 19 |
| 11/16/2022 | ND<0.1 U | 5.5 |
| 2/13/2023 | 0.501 | 51 |
| 5/24/2023 | 0.528 | 52 |
| 8/7/2023 | ND<0.1 U | 5.5 |
| 12/12/2023 | 0.352 | 34 |
| 1/10/2024 | 0.693 | 60 |
| 5/20/2024 | 0.213 | 25 |
| 9/16/2024 | 0.0955 | 11 |
| 12/11/2024 | 0.496 | 49 |
| 2/18/2025 | 0.892 | 65 |

The Wilcoxon Statistic is 601
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 2.69804
The Standard Deviation adjusted for ties is 68.0801
The Z Score adjusted for ties is 2.7027
**2.69804 > 2.326 indicating statistical significance  at 1% level**
**2.7027 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SS 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 27
Non detect rank is 14

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.1 U | 14 |
| | 3/18/2021 | ND<0.1 U | 14 |
| | 5/5/2021 | ND<0.1 U | 14 |
| | 11/23/2021 | ND<0.1 U | 14 |
| | 1/11/2022 | ND<0.1 U | 14 |
| | 4/7/2022 | ND<0.1 U | 14 |
| | 8/2/2022 | ND<0.1 U | 14 |
| | 11/16/2022 | ND<0.1 U | 14 |
| | 2/14/2023 | ND<0.1 U | 14 |
| | 5/25/2023 | ND<0.035 U | 14 |
| | 8/7/2023 | 0.0866 | 32 |
| | 12/12/2023 | 0.0454 | 28 |
| | 1/10/2024 | 0.0532 | 29 |
| | 5/21/2024 | 0.0925 | 34 |
| | 9/16/2024 | 0.0824 | 31 |
| | 12/11/2024 | 0.0652 | 30 |
| | 2/18/2025 | 0.0946 | 35 |
| SS 14 | 3/12/2013 | 0.11 | 37 |
| | 5/8/2013 | ND<0.1 U | 14 |
| | 9/23/2013 | ND<0.1 U | 14 |
| | 12/10/2013 | 0.19 | 61 |
| | 2/6/2014 | ND<0.1 U | 14 |
| | 6/26/2014 | 0.16 | 54 |
| | 9/30/2014 | ND<0.1 U | 14 |
| | 11/19/2014 | 0.22 | 63 |
| | 3/23/2015 | 0.14 | 48 |
| | 4/22/2015 | ND<0.1 U | 14 |
| | 9/30/2015 | 0.18 | 59 |
| | 11/19/2015 | 0.18 | 60 |
| | 3/15/2016 | ND<0.1 U | 14 |
| | 6/29/2016 | 0.16 | 55 |
| | 8/9/2016 | 0.12 | 41 |
| | 12/7/2016 | 0.15 | 51 |
| | 3/2/2017 | 0.15 | 52 |
| | 6/21/2017 | 0.11 | 38 |
| | 8/17/2017 | ND<0.1 U | 14 |
| | 10/26/2017 | ND<0.1 U | 14 |
| | 3/27/2018 | 0.148 | 49 |
| | 6/26/2018 | 0.148 | 50 |
| | 8/1/2018 | 0.276 | 65 |
| | 12/11/2018 | 0.117 | 39 |
| | 4/17/2019 | ND<0.1 U | 14 |
| | 6/11/2019 | ND<0.1 U | 14 |
| | 8/28/2019 | 0.174 | 57 |

| | | |
|---|---|---|
| 10/28/2019 | 0.167 | 56 |
| 3/31/2020 | 0.348 | 66 |
| 6/10/2020 | 0.128 | 45 |
| 9/21/2020 | ND<0.1 U | 14 |
| 12/17/2020 | ND<0.1 U | 14 |
| 3/18/2021 | ND<0.1 U | 14 |
| 5/5/2021 | ND<0.1 U | 14 |
| 9/2/2021 | 0.128 | 46 |
| 11/23/2021 | 0.178 | 58 |
| 1/10/2022 | 0.136 | 47 |
| 4/7/2022 | ND<0.1 U | 14 |
| 8/3/2022 | 0.123 | 43 |
| 11/16/2022 | ND<0.1 U | 14 |
| 2/13/2023 | ND<0.1 U | 14 |
| 5/24/2023 | 0.102 | 36 |
| 8/7/2023 | 0.124 | 44 |
| 12/12/2023 | 0.089 | 33 |
| 1/10/2024 | 0.117 | 40 |
| 5/20/2024 | 0.121 | 42 |
| 9/16/2024 | 0.201 | 62 |
| 12/11/2024 | 0.222 | 64 |
| 2/18/2025 | 0.156 | 53 |

The Wilcoxon Statistic is 627
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 3.07929
The Standard Deviation adjusted for ties is 65.8245
The Z Score adjusted for ties is 3.1903
**3.07929 > 2.326 indicating statistical significance  at 1% level**
**3.1903 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SS 14

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 17
Non detect rank is 9

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 4 | 12/17/2020 | ND<0.03 U | 9 |
| | 3/18/2021 | ND<0.03 U | 9 |
| | 5/5/2021 | ND<0.03 U | 9 |
| | 11/23/2021 | ND<0.03 U | 9 |
| | 1/11/2022 | ND<0.03 U | 9 |
| | 4/7/2022 | 0.06 | 42 |
| | 8/2/2022 | ND<0.03 U | 9 |
| | 11/16/2022 | ND<0.03 U | 9 |
| | 2/14/2023 | ND<0.03 U | 9 |
| | 5/25/2023 | ND<0.014 U | 9 |
| | 8/7/2023 | ND<0.03 U | 9 |
| | 12/12/2023 | ND<0.014 U | 9 |
| | 1/10/2024 | 0.02 | 18 |
| | 5/21/2024 | ND<0.03 U | 9 |
| | 9/16/2024 | ND<0.014 U | 9 |
| | 12/11/2024 | ND<0.0196 U | 9 |
| | 2/18/2025 | 0.033 | 23 |
| SS 14 | 3/12/2013 | 0.087 | 54 |
| | 5/8/2013 | 0.041 | 28 |
| | 9/23/2013 | 0.036 | 26 |
| | 12/10/2013 | 0.16 | 63 |
| | 2/6/2014 | 0.074 | 47 |
| | 6/26/2014 | 0.08 | 53 |
| | 9/30/2014 | 0.031 | 21 |
| | 11/19/2014 | 0.075 | 48 |
| | 3/23/2015 | 0.11 | 60 |
| | 4/22/2015 | ND<0.025 U | 9 |
| | 9/30/2015 | 0.088 | 56 |
| | 11/19/2015 | 0.131 | 61 |
| | 3/15/2016 | 0.056 | 40 |
| | 6/29/2016 | 0.103 | 58 |
| | 8/9/2016 | 0.062 | 43 |
| | 12/7/2016 | 0.078 | 51 |
| | 3/2/2017 | 0.092 | 57 |
| | 6/21/2017 | 0.03 | 20 |
| | 8/17/2017 | 0.07 | 45 |
| | 10/26/2017 | 0.054 | 38 |
| | 3/27/2018 | 0.044 | 31 |
| | 6/26/2018 | 0.044 | 32 |
| | 8/1/2018 | 0.233 | 64 |
| | 12/11/2018 | 0.057 | 41 |
| | 4/17/2019 | 0.042 | 30 |
| | 6/11/2019 | 0.077 | 50 |
| | 8/28/2019 | ND<0.025 U | 9 |

| | | |
|---|---|---|
| 10/28/2019 | 0.048 | 34 |
| 3/31/2020 | 0.235 | 65 |
| 6/10/2020 | 0.078 | 52 |
| 9/21/2020 | 0.075 | 49 |
| 12/17/2020 | 0.05 | 36 |
| 3/18/2021 | 0.048 | 35 |
| 5/5/2021 | 0.073 | 46 |
| 9/2/2021 | 0.98 | 66 |
| 11/23/2021 | 0.108 | 59 |
| 1/10/2022 | 0.068 | 44 |
| 4/7/2022 | 0.033 | 24 |
| 8/3/2022 | ND<0.03 U | 9 |
| 11/16/2022 | 0.039 | 27 |
| 2/13/2023 | 0.052 | 37 |
| 5/24/2023 | 0.044 | 33 |
| 8/7/2023 | 0.032 | 22 |
| 12/12/2023 | 0.041 | 29 |
| 1/10/2024 | 0.087 | 55 |
| 5/20/2024 | 0.021 | 19 |
| 9/16/2024 | 0.033 | 25 |
| 12/11/2024 | 0.155 | 62 |
| 2/18/2025 | 0.054 | 39 |

The Wilcoxon Statistic is 777
The Expected value is is 416.5
The Standard Deviation is 68.1976
The Z Score is 5.27878
The Standard Deviation adjusted for ties is 67.6143
The Z Score adjusted for ties is 5.32432
**5.27878 > 2.326 indicating statistical significance  at 1% level**
**5.32432 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 5 | 12/17/2020 | 17.7 | 21 |
| | 3/18/2021 | 23 | 24 |
| | 5/5/2021 | 60.6 | 32 |
| | 9/2/2021 | 31.8 | 27 |
| | 11/23/2021 | 14 | 16 |
| | 1/11/2022 | 16.6 | 18 |
| | 4/7/2022 | 25.4 | 25 |
| | 8/2/2022 | 7.3 | 1 |
| | 11/16/2022 | 11.1 | 9 |
| | 2/14/2023 | 12.3 | 13 |
| | 5/25/2023 | 11.4 | 12 |
| | 8/7/2023 | 8.6 | 3 |
| | 12/12/2023 | 8.93 | 6 |
| | 1/10/2024 | 51.5 | 31 |
| | 5/21/2024 | 12.3 | 14 |
| | 9/16/2024 | 8.6 | 4 |
| | 12/11/2024 | 8.8 | 5 |
| | 2/18/2025 | 62.8 | 33 |
| SME 6 | 12/17/2020 | 16.7 | 19 |
| | 3/18/2021 | 47.2 | 29 |
| | 5/5/2021 | 82.8 | 34 |
| | 9/2/2021 | 19 | 22 |
| | 11/23/2021 | 11.2 | 10 |
| | 1/11/2022 | 16.9 | 20 |
| | 4/7/2022 | 28.8 | 26 |
| | 8/2/2022 | 8.4 | 2 |
| | 11/16/2022 | 11.3 | 11 |
| | 2/14/2023 | 14.9 | 17 |
| | 5/25/2023 | 10 | 7 |
| | 8/7/2023 | 12.4 | 15 |
| | 12/12/2023 | 10.1 | 8 |
| | 1/10/2024 | 39.5 | 28 |
| | 5/21/2024 | 47.6 | 30 |
| | 9/16/2024 | 20.4 | 23 |
| | 12/11/2024 | 103 | 35 |
| | 2/18/2025 | 230 | 36 |

The Wilcoxon Statistic is 201
The Expected value is is 162
The Standard Deviation is 31.607
The Z Score is 1.21809
The Standard Deviation adjusted for ties is 31.607
The Z Score adjusted for ties is 1.21809

1.21809 < 2.326 indicating no statistical significance at 1% level
1.21809 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: SME 6**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 5
Non detect rank is 3

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 5 | 12/17/2020 | 0.258 | 6 |
| | 3/18/2021 | 0.317 | 11 |
| | 5/5/2021 | 0.41 | 22 |
| | 9/2/2021 | 0.325 | 13 |
| | 11/23/2021 | ND<0.25 U | 3 |
| | 1/11/2022 | 1.5 | 35 |
| | 4/7/2022 | 0.385 | 19 |
| | 8/2/2022 | 0.277 | 7 |
| | 11/16/2022 | 0.347 | 15 |
| | 2/14/2023 | 0.302 | 9 |
| | 5/25/2023 | 0.564 | 28 |
| | 8/7/2023 | 0.677 | 32 |
| | 12/12/2023 | 0.465 | 25 |
| | 1/10/2024 | 0.366 | 17 |
| | 5/21/2024 | 0.653 | 31 |
| | 9/16/2024 | 0.792 | 34 |
| | 12/11/2024 | 0.407 | 21 |
| | 2/18/2025 | 0.477 | 26 |
| SME 6 | 12/17/2020 | ND<0.25 U | 3 |
| | 3/18/2021 | ND<0.618 U | 3 |
| | 5/5/2021 | 0.403 | 20 |
| | 9/2/2021 | 0.353 | 16 |
| | 11/23/2021 | ND<0.25 U | 3 |
| | 1/11/2022 | 2.4 | 36 |
| | 4/7/2022 | 0.373 | 18 |
| | 8/2/2022 | ND<0.25 U | 3 |
| | 11/16/2022 | 0.308 | 10 |
| | 2/14/2023 | 0.319 | 12 |
| | 5/25/2023 | 0.58 | 29 |
| | 8/7/2023 | 0.62 | 30 |
| | 12/12/2023 | 0.44 | 24 |
| | 1/10/2024 | 0.413 | 23 |
| | 5/21/2024 | 0.287 | 8 |
| | 9/16/2024 | 0.767 | 33 |
| | 12/11/2024 | 0.326 | 14 |
| | 2/18/2025 | 0.484 | 27 |

The Wilcoxon Statistic is 141
The Expected value is is 162
The Standard Deviation is 31.607
The Z Score is -0.68023
The Standard Deviation adjusted for ties is 31.5663
The Z Score adjusted for ties is -0.681107

-0.68023 < 2.326 indicating no statistical significance at 1% level
-0.681107 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 5
Non detect rank is 3

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 5 | 12/17/2020 | 0.371 | 31 |
| | 3/18/2021 | 0.316 | 25 |
| | 5/5/2021 | ND<0.1 U | 3 |
| | 9/2/2021 | 0.128 | 14 |
| | 11/23/2021 | 0.231 | 21 |
| | 1/11/2022 | 0.45 | 34 |
| | 4/7/2022 | 0.29 | 24 |
| | 8/2/2022 | 0.102 | 10 |
| | 11/16/2022 | 0.113 | 12 |
| | 2/14/2023 | 0.425 | 33 |
| | 5/25/2023 | 0.155 | 16 |
| | 8/7/2023 | 0.0568 | 6 |
| | 12/12/2023 | 0.127 | 13 |
| | 1/10/2024 | 0.488 | 36 |
| | 5/21/2024 | 0.179 | 17 |
| | 9/16/2024 | 0.0936 | 8 |
| | 12/11/2024 | 0.213 | 20 |
| | 2/18/2025 | 0.351 | 27 |
| SME 6 | 12/17/2020 | 0.368 | 30 |
| | 3/18/2021 | 0.358 | 28 |
| | 5/5/2021 | 0.183 | 19 |
| | 9/2/2021 | 0.131 | 15 |
| | 11/23/2021 | 0.231 | 22 |
| | 1/11/2022 | 0.45 | 35 |
| | 4/7/2022 | 0.27 | 23 |
| | 8/2/2022 | ND<0.1 U | 3 |
| | 11/16/2022 | ND<0.1 U | 3 |
| | 2/14/2023 | 0.374 | 32 |
| | 5/25/2023 | 0.0655 | 7 |
| | 8/7/2023 | ND<0.1 U | 3 |
| | 12/12/2023 | 0.11 | 11 |
| | 1/10/2024 | 0.344 | 26 |
| | 5/21/2024 | 0.1 | 9 |
| | 9/16/2024 | ND<0.05 U | 3 |
| | 12/11/2024 | 0.179 | 18 |
| | 2/18/2025 | 0.366 | 29 |

The Wilcoxon Statistic is 145
The Expected value is is 162
The Standard Deviation is 31.607
The Z Score is -0.553675
The Standard Deviation adjusted for ties is 31.5663
The Z Score adjusted for ties is -0.554389

-0.553675 < 2.326 indicating no statistical significance at 1% level
-0.554389 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 18
Non detect rank is 9.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 5 | 12/17/2020 | ND<0.1 U | 9.5 |
| | 3/18/2021 | ND<0.1 U | 9.5 |
| | 5/5/2021 | ND<0.1 U | 9.5 |
| | 9/2/2021 | 0.1 | 33 |
| | 11/23/2021 | ND<0.1 U | 9.5 |
| | 1/11/2022 | ND<0.1 U | 9.5 |
| | 4/7/2022 | ND<0.1 U | 9.5 |
| | 8/2/2022 | ND<0.1 U | 9.5 |
| | 11/16/2022 | ND<0.1 U | 9.5 |
| | 2/14/2023 | ND<0.1 U | 9.5 |
| | 5/25/2023 | 0.0593 | 24 |
| | 8/7/2023 | 0.122 | 34 |
| | 12/12/2023 | 0.037 | 21 |
| | 1/10/2024 | 0.0773 | 26 |
| | 5/21/2024 | 0.0938 | 30 |
| | 9/16/2024 | 0.0952 | 32 |
| | 12/11/2024 | 0.0348 | 20 |
| | 2/18/2025 | 0.0855 | 28 |
| SME 6 | 12/17/2020 | ND<0.1 U | 9.5 |
| | 3/18/2021 | ND<0.1 U | 9.5 |
| | 5/5/2021 | ND<0.1 U | 9.5 |
| | 9/2/2021 | 0.43 | 36 |
| | 11/23/2021 | ND<0.1 U | 9.5 |
| | 1/11/2022 | ND<0.1 U | 9.5 |
| | 4/7/2022 | ND<0.1 U | 9.5 |
| | 8/2/2022 | ND<0.1 U | 9.5 |
| | 11/16/2022 | ND<0.1 U | 9.5 |
| | 2/14/2023 | ND<0.1 U | 9.5 |
| | 5/25/2023 | 0.0424 | 22 |
| | 8/7/2023 | 0.095 | 31 |
| | 12/12/2023 | 0.0507 | 23 |
| | 1/10/2024 | 0.0849 | 27 |
| | 5/21/2024 | 0.07 | 25 |
| | 9/16/2024 | 0.0908 | 29 |
| | 12/11/2024 | 0.025 | 19 |
| | 2/18/2025 | 0.161 | 35 |

The Wilcoxon Statistic is 161.5
The Expected value is is 162
The Standard Deviation is 31.607
The Z Score is -0.0316386
The Standard Deviation adjusted for ties is 29.5705
The Z Score adjusted for ties is -0.0338175

-0.0316386 < 2.326 indicating no statistical significance at 1% level
-0.0338175 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: SME 6

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 31
Non detect rank is 16

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 5 | 12/17/2020 | ND<0.03 U | 16 |
| | 3/18/2021 | ND<0.03 U | 16 |
| | 5/5/2021 | ND<0.03 U | 16 |
| | 9/2/2021 | ND<0.03 U | 16 |
| | 11/23/2021 | ND<0.03 U | 16 |
| | 1/11/2022 | 0.035 | 36 |
| | 4/7/2022 | ND<0.03 U | 16 |
| | 8/2/2022 | ND<0.03 U | 16 |
| | 11/16/2022 | ND<0.03 U | 16 |
| | 2/14/2023 | ND<0.03 U | 16 |
| | 5/25/2023 | ND<0.014 U | 16 |
| | 8/7/2023 | ND<0.03 U | 16 |
| | 12/12/2023 | ND<0.014 U | 16 |
| | 1/10/2024 | 0.017 | 33 |
| | 5/21/2024 | ND<0.03 U | 16 |
| | 9/16/2024 | ND<0.014 U | 16 |
| | 12/11/2024 | ND<0.0196 U | 16 |
| | 2/18/2025 | 0.031 | 34 |
| SME 6 | 12/17/2020 | ND<0.03 U | 16 |
| | 3/18/2021 | ND<0.03 U | 16 |
| | 5/5/2021 | ND<0.03 U | 16 |
| | 9/2/2021 | ND<0.03 U | 16 |
| | 11/23/2021 | ND<0.03 U | 16 |
| | 1/11/2022 | ND<0.03 U | 16 |
| | 4/7/2022 | ND<0.03 U | 16 |
| | 8/2/2022 | ND<0.03 U | 16 |
| | 11/16/2022 | ND<0.03 U | 16 |
| | 2/14/2023 | ND<0.03 U | 16 |
| | 5/25/2023 | ND<0.014 U | 16 |
| | 8/7/2023 | ND<0.03 U | 16 |
| | 12/12/2023 | ND<0.014 U | 16 |
| | 1/10/2024 | 0.014 | 32 |
| | 5/21/2024 | ND<0.03 U | 16 |
| | 9/16/2024 | ND<0.014 U | 16 |
| | 12/11/2024 | ND<0.0196 U | 16 |
| | 2/18/2025 | 0.032 | 35 |

The Wilcoxon Statistic is 152
The Expected value is is 162
The Standard Deviation is 31.607
The Z Score is -0.332205
The Standard Deviation adjusted for ties is 19.0075
The Z Score adjusted for ties is -0.552413

-0.332205 < 2.326 indicating no statistical significance at 1% level
-0.552413 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: AT 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 7 | 12/17/2020 | 19.4 | 31 |
| | 3/18/2021 | 78.2 | 65 |
| | 5/5/2021 | 36.4 | 50 |
| | 9/2/2021 | 77.6 | 64 |
| | 11/23/2021 | ND<2.5 U | 1 |
| | 1/10/2022 | 34.7 | 48 |
| | 4/7/2022 | 37.2 | 52 |
| | 8/3/2022 | 31 | 45 |
| | 11/16/2022 | 3.8 | 3 |
| | 2/13/2023 | 36.2 | 49 |
| | 5/24/2023 | 21 | 34 |
| | 8/7/2023 | 12.3 | 14 |
| | 12/12/2023 | 6.8 | 4 |
| | 1/10/2024 | 183 | 67 |
| | 5/20/2024 | 13.5 | 16 |
| | 9/16/2024 | 14.1 | 18 |
| | 12/11/2024 | 8.8 | 7 |
| | 2/18/2025 | 38.8 | 54 |
| AT 5 | 3/12/2013 | 20 | 32 |
| | 5/8/2013 | 19 | 29 |
| | 9/23/2013 | 22 | 35 |
| | 12/10/2013 | 64 | 59 |
| | 2/6/2014 | 32 | 46 |
| | 6/26/2014 | 19 | 30 |
| | 9/30/2014 | 14 | 17 |
| | 11/19/2014 | 27 | 41 |
| | 3/23/2015 | 15 | 21 |
| | 4/22/2015 | 76 | 63 |
| | 9/30/2015 | 16.4 | 24 |
| | 11/19/2015 | 74.6 | 62 |
| | 3/15/2016 | 26.7 | 40 |
| | 6/29/2016 | 14.5 | 20 |
| | 8/9/2016 | 18.3 | 27 |
| | 12/7/2016 | 16.9 | 25 |
| | 3/2/2017 | 44.6 | 56 |
| | 6/21/2017 | 70 | 61 |
| | 8/17/2017 | 12 | 12 |
| | 10/26/2017 | 9.4 | 8 |
| | 3/27/2018 | 15.9 | 22 |
| | 6/26/2018 | 25.2 | 39 |
| | 8/1/2018 | 107 | 66 |
| | 12/11/2018 | 46.2 | 57 |
| | 4/17/2019 | 14.4 | 19 |
| | 6/11/2019 | 15.9 | 23 |

| | | |
|---|---|---|
| 8/28/2019 | 23.5 | 38 |
| 10/28/2019 | 17 | 26 |
| 3/31/2020 | 27.1 | 42 |
| 6/10/2020 | 22.8 | 36 |
| 6/10/2020 | 22.8 | 37 |
| 9/21/2020 | 11.3 | 10 |
| 12/17/2020 | 18.6 | 28 |
| 3/18/2021 | 55.6 | 58 |
| 5/5/2021 | 43.7 | 55 |
| 9/2/2021 | 67.4 | 60 |
| 11/23/2021 | 2.6 | 2 |
| 1/10/2022 | 29.7 | 43 |
| 4/7/2022 | 33.8 | 47 |
| 8/3/2022 | 30.8 | 44 |
| 11/16/2022 | 7.3 | 5 |
| 2/13/2023 | 38 | 53 |
| 5/24/2023 | 20 | 33 |
| 8/7/2023 | 12.4 | 15 |
| 12/12/2023 | 10.9 | 9 |
| 1/10/2024 | 220 | 68 |
| 5/20/2024 | 11.6 | 11 |
| 9/16/2024 | 12 | 13 |
| 12/11/2024 | 7.8 | 6 |
| 2/18/2025 | 36.6 | 51 |

The Wilcoxon Statistic is 449
The Expected value is is 450
The Standard Deviation is 71.9375
The Z Score is -0.0208514
The Standard Deviation adjusted for ties is 71.9375
The Z Score adjusted for ties is -0.0208514
-0.0208514 < 2.326 indicating no statistical significance at 1% level
-0.0208514 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

**Parameter: TKN**

**Location: AT 5**

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 22
Non detect rank is 11.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 7 | 12/17/2020 | 0.541 | 48 |
| | 3/18/2021 | 0.407 | 39 |
| | 5/5/2021 | 1.24 | 64 |
| | 9/2/2021 | 2.49 | 68 |
| | 11/23/2021 | ND<0.25 U | 11.5 |
| | 1/10/2022 | 0.805 | 58 |
| | 4/7/2022 | 1.37 | 65 |
| | 8/3/2022 | 0.844 | 59 |
| | 11/16/2022 | ND<0.25 U | 11.5 |
| | 2/13/2023 | 1.01 | 62 |
| | 5/24/2023 | 0.474 | 42 |
| | 8/7/2023 | 0.393 | 37 |
| | 12/12/2023 | 0.262 | 23 |
| | 1/10/2024 | 0.548 | 49 |
| | 5/20/2024 | ND<0.25 U | 11.5 |
| | 9/16/2024 | 0.403 | 38 |
| | 12/11/2024 | 0.293 | 28 |
| | 2/18/2025 | 0.593 | 52 |
| AT 5 | 3/12/2013 | 0.37 | 33 |
| | 5/8/2013 | 0.56 | 50 |
| | 9/23/2013 | 0.37 | 34 |
| | 12/10/2013 | 0.97 | 61 |
| | 2/6/2014 | 0.35 | 32 |
| | 6/26/2014 | 0.38 | 35 |
| | 9/30/2014 | ND<0.25 U | 11.5 |
| | 11/19/2014 | 0.5 | 44 |
| | 3/23/2015 | 0.27 | 24 |
| | 4/22/2015 | ND<0.25 U | 11.5 |
| | 9/30/2015 | ND<0.25 U | 11.5 |
| | 11/19/2015 | 1.47 | 67 |
| | 3/15/2016 | 0.77 | 57 |
| | 6/29/2016 | ND<0.25 U | 11.5 |
| | 8/9/2016 | 0.27 | 25 |
| | 12/7/2016 | ND<0.25 U | 11.5 |
| | 3/2/2017 | 0.53 | 46 |
| | 6/21/2017 | 0.54 | 47 |
| | 8/17/2017 | 0.69 | 54 |
| | 10/26/2017 | ND<0.25 U | 11.5 |
| | 3/27/2018 | ND<0.25 U | 11.5 |
| | 6/26/2018 | 0.411 | 40 |
| | 8/1/2018 | 0.68 | 53 |
| | 12/11/2018 | 0.579 | 51 |
| | 4/17/2019 | ND<0.25 U | 11.5 |
| | 6/11/2019 | 0.486 | 43 |

| | | |
|---|---|---|
| 8/28/2019 | 1.07 | 63 |
| 10/28/2019 | ND<0.25 U | 11.5 |
| 3/31/2020 | ND<0.25 U | 11.5 |
| 6/10/2020 | ND<0.25 U | 11.5 |
| 6/10/2020 | ND<0.25 U | 11.5 |
| 9/21/2020 | ND<0.25 U | 11.5 |
| 12/17/2020 | ND<0.25 U | 11.5 |
| 3/18/2021 | ND<0.25 U | 11.5 |
| 5/5/2021 | 1.37 | 66 |
| 9/2/2021 | 0.969 | 60 |
| 11/23/2021 | ND<0.25 U | 11.5 |
| 1/10/2022 | 0.279 | 26 |
| 4/7/2022 | 0.38 | 36 |
| 8/3/2022 | 0.702 | 55 |
| 11/16/2022 | ND<0.25 U | 11.5 |
| 2/13/2023 | 0.301 | 29 |
| 5/24/2023 | 0.331 | 31 |
| 8/7/2023 | 0.291 | 27 |
| 12/12/2023 | 0.329 | 30 |
| 1/10/2024 | 0.732 | 56 |
| 5/20/2024 | ND<0.25 U | 11.5 |
| 9/16/2024 | 0.473 | 41 |
| 12/11/2024 | 0.526 | 45 |
| 2/18/2025 | ND<0.131 U | 11.5 |

The Wilcoxon Statistic is 304.5
The Expected value is is 450
The Standard Deviation is 71.9375
The Z Score is -2.02954
The Standard Deviation adjusted for ties is 70.7112
The Z Score adjusted for ties is -2.06474
-2.02954 < 2.326 indicating no statistical significance at 1% level
-2.06474 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: AT 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 0
Non detect rank is 0

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 7 | 12/17/2020 | 0.884 | 50 |
| | 3/18/2021 | 0.429 | 7 |
| | 5/5/2021 | 1.09 | 60 |
| | 9/2/2021 | 0.491 | 9 |
| | 11/23/2021 | 0.367 | 5 |
| | 1/10/2022 | 0.832 | 46 |
| | 4/7/2022 | 0.549 | 13 |
| | 8/3/2022 | 0.742 | 34 |
| | 11/16/2022 | 0.424 | 6 |
| | 2/13/2023 | 0.737 | 32 |
| | 5/24/2023 | 0.749 | 35 |
| | 8/7/2023 | 0.916 | 52 |
| | 12/12/2023 | 0.584 | 15 |
| | 1/10/2024 | 0.729 | 31 |
| | 5/20/2024 | 0.821 | 41 |
| | 9/16/2024 | 1.58 | 65 |
| | 12/11/2024 | 1.06 | 57 |
| | 2/18/2025 | 1.09 | 61 |
| AT 5 | 3/12/2013 | 0.61 | 17 |
| | 5/8/2013 | 0.31 | 1 |
| | 9/23/2013 | 1.3 | 63 |
| | 12/10/2013 | 0.79 | 38 |
| | 2/6/2014 | 0.8 | 39 |
| | 6/26/2014 | 0.77 | 37 |
| | 9/30/2014 | 0.94 | 53 |
| | 11/19/2014 | 1.3 | 64 |
| | 3/23/2015 | 0.71 | 29 |
| | 4/22/2015 | 0.69 | 25 |
| | 9/30/2015 | 1.82 | 67 |
| | 11/19/2015 | 0.67 | 24 |
| | 3/15/2016 | 0.58 | 14 |
| | 6/29/2016 | 0.8 | 40 |
| | 8/9/2016 | 0.98 | 55 |
| | 12/7/2016 | 0.66 | 22 |
| | 3/2/2017 | 1.08 | 59 |
| | 6/21/2017 | 0.62 | 18 |
| | 8/17/2017 | 0.89 | 51 |
| | 10/26/2017 | 0.94 | 54 |
| | 3/27/2018 | 0.849 | 48 |
| | 6/26/2018 | 0.849 | 49 |
| | 8/1/2018 | 0.51 | 11 |
| | 12/11/2018 | 1.09 | 62 |
| | 4/17/2019 | 0.638 | 19 |
| | 6/11/2019 | 0.822 | 42 |

| | | |
|---|---|---|
| 8/28/2019 | 0.534 | 12 |
| 10/28/2019 | 0.665 | 23 |
| 3/31/2020 | 0.657 | 21 |
| 6/10/2020 | 0.825 | 43 |
| 6/10/2020 | 0.825 | 44 |
| 9/21/2020 | 0.603 | 16 |
| 12/17/2020 | 0.831 | 45 |
| 3/18/2021 | 0.31 | 2 |
| 5/5/2021 | 6.86 | 68 |
| 9/2/2021 | 0.482 | 8 |
| 11/23/2021 | 0.343 | 3 |
| 1/10/2022 | 0.769 | 36 |
| 4/7/2022 | 0.509 | 10 |
| 8/3/2022 | 0.715 | 30 |
| 11/16/2022 | 0.366 | 4 |
| 2/13/2023 | 0.699 | 28 |
| 5/24/2023 | 0.697 | 27 |
| 8/7/2023 | 0.832 | 47 |
| 12/12/2023 | 0.696 | 26 |
| 1/10/2024 | 0.642 | 20 |
| 5/20/2024 | 0.737 | 33 |
| 9/16/2024 | 1.68 | 66 |
| 12/11/2024 | 1.07 | 58 |
| 2/18/2025 | 1.05 | 56 |

The Wilcoxon Statistic is 452
The Expected value is is 450
The Standard Deviation is 71.9375
The Z Score is 0.0208514
The Standard Deviation adjusted for ties is 71.9375
The Z Score adjusted for ties is 0.0208514
0.0208514 < 2.326 indicating no statistical significance at 1% level
0.0208514 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: AT 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 6
Non detect rank is 3.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 7 | 12/17/2020 | ND<0.1 U | 3.5 |
| | 3/18/2021 | 0.27 | 34 |
| | 5/5/2021 | 0.244 | 27 |
| | 9/2/2021 | 0.275 | 35 |
| | 11/23/2021 | 0.516 | 58 |
| | 1/10/2022 | 0.211 | 23 |
| | 4/7/2022 | 0.264 | 33 |
| | 8/3/2022 | 0.373 | 45 |
| | 11/16/2022 | 0.528 | 59 |
| | 2/13/2023 | 0.115 | 9 |
| | 5/24/2023 | 0.206 | 21 |
| | 8/7/2023 | 0.469 | 51 |
| | 12/12/2023 | 0.748 | 66 |
| | 1/10/2024 | 0.47 | 52 |
| | 5/20/2024 | 0.206 | 22 |
| | 9/16/2024 | 0.678 | 63 |
| | 12/11/2024 | 0.538 | 60 |
| | 2/18/2025 | 0.252 | 30 |
| AT 5 | 3/12/2013 | 0.14 | 13 |
| | 5/8/2013 | 0.11 | 8 |
| | 9/23/2013 | 0.35 | 42 |
| | 12/10/2013 | 0.34 | 41 |
| | 2/6/2014 | 0.13 | 11 |
| | 6/26/2014 | 0.28 | 36 |
| | 9/30/2014 | 0.54 | 61 |
| | 11/19/2014 | 0.39 | 46 |
| | 3/23/2015 | 0.14 | 14 |
| | 4/22/2015 | 0.13 | 12 |
| | 9/30/2015 | 0.86 | 68 |
| | 11/19/2015 | 0.31 | 39 |
| | 3/15/2016 | ND<0.1 U | 3.5 |
| | 6/29/2016 | 0.71 | 64 |
| | 8/9/2016 | 0.5 | 57 |
| | 12/7/2016 | 0.47 | 53 |
| | 3/2/2017 | 0.37 | 43 |
| | 6/21/2017 | 0.37 | 44 |
| | 8/17/2017 | 0.28 | 37 |
| | 10/26/2017 | 0.25 | 29 |
| | 3/27/2018 | 0.148 | 15 |
| | 6/26/2018 | 0.246 | 28 |
| | 8/1/2018 | 0.401 | 48 |
| | 12/11/2018 | 0.204 | 20 |
| | 4/17/2019 | ND<0.1 U | 3.5 |
| | 6/11/2019 | 0.29 | 38 |

| | | |
|---|---|---|
| 8/28/2019 | 0.485 | 54 |
| 10/28/2019 | 0.499 | 56 |
| 3/31/2020 | 0.102 | 7 |
| 6/10/2020 | 0.243 | 25 |
| 6/10/2020 | 0.243 | 26 |
| 9/21/2020 | 0.399 | 47 |
| 12/17/2020 | ND<0.1 U | 3.5 |
| 3/18/2021 | ND<0.1 U | 3.5 |
| 5/5/2021 | 0.157 | 16 |
| 9/2/2021 | 0.262 | 32 |
| 11/23/2021 | 0.253 | 31 |
| 1/10/2022 | 0.184 | 18 |
| 4/7/2022 | 0.121 | 10 |
| 8/3/2022 | 0.323 | 40 |
| 11/16/2022 | 0.42 | 49 |
| 2/13/2023 | ND<0.1 U | 3.5 |
| 5/24/2023 | 0.182 | 17 |
| 8/7/2023 | 0.43 | 50 |
| 12/12/2023 | 0.782 | 67 |
| 1/10/2024 | 0.498 | 55 |
| 5/20/2024 | 0.192 | 19 |
| 9/16/2024 | 0.74 | 65 |
| 12/11/2024 | 0.549 | 62 |
| 2/18/2025 | 0.233 | 24 |

The Wilcoxon Statistic is 379.5
The Expected value is is 450
The Standard Deviation is 71.9375
The Z Score is -0.986968
The Standard Deviation adjusted for ties is 71.9134
The Z Score adjusted for ties is -0.987298
-0.986968 < 2.326 indicating no statistical significance at 1% level
-0.987298 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: AT 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 3
Non detect rank is 2

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 7 | 12/17/2020 | 0.094 | 12 |
| | 3/18/2021 | 0.093 | 11 |
| | 5/5/2021 | 0.112 | 18 |
| | 9/2/2021 | 0.179 | 31 |
| | 11/23/2021 | 0.472 | 55 |
| | 1/10/2022 | 0.14 | 26 |
| | 4/7/2022 | ND<0.03 U | 2 |
| | 8/3/2022 | 0.314 | 45 |
| | 11/16/2022 | 0.49 | 57 |
| | 2/13/2023 | ND<0.03 U | 2 |
| | 5/24/2023 | 0.143 | 27 |
| | 8/7/2023 | 0.403 | 50 |
| | 12/12/2023 | 0.705 | 66 |
| | 1/10/2024 | 0.32 | 46 |
| | 5/20/2024 | 0.162 | 29 |
| | 9/16/2024 | 0.577 | 63 |
| | 12/11/2024 | 0.788 | 68 |
| | 2/18/2025 | 0.099 | 13 |
| AT 5 | 3/12/2013 | 0.15 | 28 |
| | 5/8/2013 | 0.099 | 14 |
| | 9/23/2013 | 0.4 | 49 |
| | 12/10/2013 | 0.29 | 43 |
| | 2/6/2014 | 0.13 | 23 |
| | 6/26/2014 | 0.34 | 47 |
| | 9/30/2014 | 0.49 | 58 |
| | 11/19/2014 | 0.41 | 52 |
| | 3/23/2015 | 0.13 | 24 |
| | 4/22/2015 | 0.11 | 17 |
| | 9/30/2015 | 0.664 | 65 |
| | 11/19/2015 | 0.261 | 39 |
| | 3/15/2016 | 0.068 | 8 |
| | 6/29/2016 | 0.598 | 64 |
| | 8/9/2016 | 0.482 | 56 |
| | 12/7/2016 | 0.45 | 54 |
| | 3/2/2017 | 0.267 | 40 |
| | 6/21/2017 | 0.226 | 33 |
| | 8/17/2017 | 0.258 | 38 |
| | 10/26/2017 | 0.226 | 34 |
| | 3/27/2018 | 0.162 | 30 |
| | 6/26/2018 | 0.23 | 35 |
| | 8/1/2018 | 0.285 | 42 |
| | 12/11/2018 | 0.066 | 7 |
| | 4/17/2019 | 0.061 | 6 |
| | 6/11/2019 | 0.206 | 32 |

| | | |
|---|---|---|
| 8/28/2019 | 0.404 | 51 |
| 10/28/2019 | 0.523 | 61 |
| 3/31/2020 | 0.032 | 4 |
| 6/10/2020 | 0.248 | 36 |
| 6/10/2020 | 0.248 | 37 |
| 9/21/2020 | 0.491 | 59 |
| 12/17/2020 | 0.087 | 10 |
| 3/18/2021 | 0.05 | 5 |
| 5/5/2021 | 0.121 | 20 |
| 9/2/2021 | 0.131 | 25 |
| 11/23/2021 | ND<0.03 U | 2 |
| 1/10/2022 | 0.126 | 21 |
| 4/7/2022 | 0.101 | 15 |
| 8/3/2022 | 0.271 | 41 |
| 11/16/2022 | 0.448 | 53 |
| 2/13/2023 | 0.081 | 9 |
| 5/24/2023 | 0.127 | 22 |
| 8/7/2023 | 0.373 | 48 |
| 12/12/2023 | 0.752 | 67 |
| 1/10/2024 | 0.299 | 44 |
| 5/20/2024 | 0.12 | 19 |
| 9/16/2024 | 0.57 | 62 |
| 12/11/2024 | 0.499 | 60 |
| 2/18/2025 | 0.108 | 16 |

The Wilcoxon Statistic is 450
The Expected value is is 450
The Standard Deviation is 71.9375
The Z Score is -0.00695048
The Standard Deviation adjusted for ties is 71.9347
The Z Score adjusted for ties is -0.00695075
-0.00695048 < 2.326 indicating no statistical significance at 1% level
-0.00695075 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Wilcoxon Non-Parametric Analysis (Inter-Well)

## Parameter: Total Suspended Solids

## Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 1
Non detect rank is 1

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 10 | 4/7/2022 | 2.8 | 2 |
| | 8/3/2022 | 4.1 | 4 |
| | 11/16/2022 | 4.6 | 6 |
| | 2/13/2023 | 4 | 3 |
| | 5/24/2023 | 15 | 39 |
| | 8/7/2023 | 4.4 | 5 |
| | 12/12/2023 | 10.6 | 25 |
| | 1/10/2024 | 7.3 | 11 |
| | 5/20/2024 | 10 | 24 |
| | 9/16/2024 | ND<10 U | 1 |
| | 12/11/2024 | 7.4 | 12 |
| | 2/18/2025 | 4.6 | 7 |
| GD 5 | 3/13/2013 | 9.6 | 23 |
| | 5/20/2013 | 9 | 20 |
| | 9/23/2013 | 8 | 16 |
| | 12/10/2013 | 18 | 45 |
| | 2/6/2014 | 17 | 43 |
| | 6/26/2014 | 12 | 30 |
| | 9/30/2014 | 18 | 46 |
| | 11/19/2014 | 26 | 55 |
| | 3/23/2015 | 15 | 40 |
| | 4/22/2015 | 13 | 34 |
| | 9/30/2015 | 17.3 | 44 |
| | 11/19/2015 | 42.8 | 61 |
| | 3/15/2016 | 13.2 | 36 |
| | 6/29/2016 | 15 | 41 |
| | 8/9/2016 | 11 | 27 |
| | 12/7/2016 | 6.8 | 10 |
| | 3/2/2017 | 13 | 35 |
| | 7/5/2017 | 22.7 | 52 |
| | 8/16/2017 | 9 | 21 |
| | 10/25/2017 | 14.6 | 38 |
| | 3/28/2018 | 6.06 | 8 |
| | 6/29/2018 | 19.6 | 47 |
| | 8/2/2018 | 26.4 | 56 |
| | 12/10/2018 | 22.3 | 51 |
| | 4/15/2019 | 29 | 57 |
| | 6/12/2019 | 9.3 | 22 |
| | 8/27/2019 | 10.9 | 26 |
| | 10/29/2019 | 21 | 50 |
| | 3/30/2020 | 12.1 | 31 |
| | 6/16/2020 | 7.4 | 13 |
| | 9/21/2020 | 7.9 | 15 |
| | 12/17/2020 | 19.8 | 48 |

| | | |
|---|---|---|
| 3/18/2021 | 30.6 | 58 |
| 5/5/2021 | 36.8 | 60 |
| 9/2/2021 | 16.1 | 42 |
| 11/23/2021 | 8.8 | 18 |
| 1/11/2022 | 12.1 | 32 |
| 4/7/2022 | 14.4 | 37 |
| 8/2/2022 | 6.4 | 9 |
| 11/16/2022 | 8.67 | 17 |
| 2/14/2023 | 11.5 | 29 |
| 5/24/2023 | 24.3 | 54 |
| 8/7/2023 | 7.54 | 14 |
| 12/12/2023 | 11.3 | 28 |
| 1/10/2024 | 32 | 59 |
| 5/21/2024 | 8.9 | 19 |
| 9/16/2024 | 12.4 | 33 |
| 12/11/2024 | 20.3 | 49 |
| 2/18/2025 | 23 | 53 |

The Wilcoxon Statistic is 527
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is 4.21822
The Standard Deviation adjusted for ties is 55.1181
The Z Score adjusted for ties is 4.21822
**4.21822 > 2.326 indicating statistical significance  at 1% level**
**4.21822 > 2.326 indicating statistical significance at 1% level when adjusted for ties**

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: TKN

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 7
Non detect rank is 4

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 10 | 4/7/2022 | 0.477 | 36 |
| | 8/3/2022 | 0.94 | 59 |
| | 11/16/2022 | 0.516 | 44 |
| | 2/13/2023 | 0.773 | 57 |
| | 5/24/2023 | 0.349 | 19 |
| | 8/7/2023 | 0.903 | 58 |
| | 12/12/2023 | 0.633 | 51 |
| | 1/10/2024 | 0.468 | 33 |
| | 5/20/2024 | 0.326 | 13 |
| | 9/16/2024 | 1.38 | 60 |
| | 12/11/2024 | 0.7 | 54 |
| | 2/18/2025 | 0.371 | 22 |
| GD 5 | 3/13/2013 | 0.34 | 15 |
| | 5/20/2013 | 0.62 | 50 |
| | 9/23/2013 | 0.45 | 32 |
| | 12/10/2013 | 0.47 | 35 |
| | 2/6/2014 | 0.37 | 21 |
| | 6/26/2014 | 0.34 | 16 |
| | 9/30/2014 | 0.25 U | 8 |
| | 11/19/2014 | 0.43 | 28 |
| | 3/23/2015 | 0.34 | 17 |
| | 4/22/2015 | 0.65 | 52 |
| | 9/30/2015 | 0.56 | 46 |
| | 11/19/2015 | ND<0.25 U | 4 |
| | 3/15/2016 | 0.44 | 29 |
| | 6/29/2016 | 0.49 | 38 |
| | 8/9/2016 | 0.41 | 24 |
| | 12/7/2016 | 0.34 | 18 |
| | 3/2/2017 | 0.49 | 39 |
| | 7/5/2017 | 0.73 | 55 |
| | 8/16/2017 | 0.4 | 23 |
| | 10/25/2017 | 0.35 | 20 |
| | 3/28/2018 | ND<0.25 U | 4 |
| | 6/29/2018 | 0.689 | 53 |
| | 8/2/2018 | 0.332 | 14 |
| | 12/10/2018 | 0.523 | 45 |
| | 4/15/2019 | 0.411 | 25 |
| | 6/12/2019 | ND<0.25 U | 4 |
| | 8/27/2019 | 0.506 | 41 |
| | 10/29/2019 | 0.477 | 37 |
| | 3/30/2020 | 0.32 | 12 |
| | 6/16/2020 | 0.561 | 47 |
| | 9/21/2020 | ND<0.25 U | 4 |
| | 12/17/2020 | 0.422 | 26 |

| | | |
|---|---|---|
| 3/18/2021 | 0.6 | 48 |
| 5/5/2021 | ND<0.25 U | 4 |
| 9/2/2021 | 0.51 | 42 |
| 11/23/2021 | ND<0.25 U | 4 |
| 1/11/2022 | 0.51 | 43 |
| 4/7/2022 | 0.3 | 10 |
| 8/2/2022 | ND<0.25 U | 4 |
| 11/16/2022 | 0.312 | 11 |
| 2/14/2023 | 0.606 | 49 |
| 5/24/2023 | 10 | 61 |
| 8/7/2023 | 0.499 | 40 |
| 12/12/2023 | 0.468 | 34 |
| 1/10/2024 | 0.424 | 27 |
| 5/21/2024 | 0.443 | 31 |
| 9/16/2024 | 0.75 | 56 |
| 12/11/2024 | 0.285 | 9 |
| 2/18/2025 | 0.44 | 30 |

The Wilcoxon Statistic is 160
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is -2.44022
The Standard Deviation adjusted for ties is 55.0772
The Z Score adjusted for ties is -2.44203
-2.44022 < 2.326 indicating no statistical significance at 1% level
-2.44203 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Nitrate-nitrite

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 31
Non detect rank is 16

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 10 | 4/7/2022 | ND<0.1 U | 16 |
| | 8/3/2022 | ND<0.1 U | 16 |
| | 11/16/2022 | ND<0.1 U | 16 |
| | 2/13/2023 | 0.185 | 54 |
| | 5/24/2023 | 0.143 | 48 |
| | 8/7/2023 | ND<0.1 U | 16 |
| | 12/12/2023 | ND<0.05 U | 16 |
| | 1/10/2024 | 0.433 | 61 |
| | 5/20/2024 | 0.132 | 45 |
| | 9/16/2024 | 0.212 | 56 |
| | 12/11/2024 | 0.163 | 51 |
| | 2/18/2025 | 0.327 | 60 |
| GD 5 | 3/13/2013 | 0.26 | 58 |
| | 5/20/2013 | ND<0.1 U | 16 |
| | 9/23/2013 | ND<0.1 U | 16 |
| | 12/10/2013 | 0.1 | 34 |
| | 2/6/2014 | 0.17 | 52 |
| | 6/26/2014 | ND<0.1 U | 16 |
| | 9/30/2014 | ND<0.1 U | 16 |
| | 11/19/2014 | 0.11 | 35 |
| | 3/23/2015 | 0.12 | 37 |
| | 4/22/2015 | 0.14 | 47 |
| | 9/30/2015 | ND<0.1 U | 16 |
| | 11/19/2015 | 0.17 | 53 |
| | 3/15/2016 | ND<0.1 U | 16 |
| | 6/29/2016 | ND<0.1 U | 16 |
| | 8/9/2016 | ND<0.1 U | 16 |
| | 12/7/2016 | ND<0.1 U | 16 |
| | 3/2/2017 | 0.12 | 38 |
| | 7/5/2017 | ND<0.1 U | 16 |
| | 8/16/2017 | ND<0.1 U | 16 |
| | 10/25/2017 | ND<0.1 U | 16 |
| | 3/28/2018 | 0.127 | 40 |
| | 6/29/2018 | ND<0.1 U | 16 |
| | 8/2/2018 | ND<0.1 U | 16 |
| | 12/10/2018 | ND<0.1 U | 16 |
| | 4/15/2019 | 0.128 | 42 |
| | 6/12/2019 | ND<0.1 U | 16 |
| | 8/27/2019 | ND<0.1 U | 16 |
| | 10/29/2019 | ND<0.1 U | 16 |
| | 3/30/2020 | 0.13 | 43 |
| | 6/16/2020 | ND<0.1 U | 16 |
| | 9/21/2020 | ND<0.1 U | 16 |
| | 12/17/2020 | 0.122 | 39 |

| | | |
|---|---|---|
| 3/18/2021 | 0.127 | 41 |
| 5/5/2021 | 0.204 | 55 |
| 9/2/2021 | ND<0.1 U | 16 |
| 11/23/2021 | ND<0.1 U | 16 |
| 1/11/2022 | 0.3 | 59 |
| 4/7/2022 | 0.157 | 50 |
| 8/2/2022 | ND<0.1 U | 16 |
| 11/16/2022 | ND<0.1 U | 16 |
| 2/14/2023 | 0.255 | 57 |
| 5/24/2023 | 0.0534 | 32 |
| 8/7/2023 | ND<0.1 U | 16 |
| 12/12/2023 | 0.082 | 33 |
| 1/10/2024 | 0.118 | 36 |
| 5/21/2024 | 0.131 | 44 |
| 9/16/2024 | ND<0.05 U | 16 |
| 12/11/2024 | 0.139 | 46 |
| 2/18/2025 | 0.151 | 49 |

The Wilcoxon Statistic is 211
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is -1.51493
The Standard Deviation adjusted for ties is 51.3768
The Z Score adjusted for ties is -1.62525
-1.51493 < 2.326 indicating no statistical significance at 1% level
-1.62525 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Total Phosphorus

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 43
Non detect rank is 22

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 10 | 4/7/2022 | ND<0.1 U | 22 |
| | 8/3/2022 | ND<0.1 U | 22 |
| | 11/16/2022 | ND<0.1 U | 22 |
| | 2/13/2023 | ND<0.1 U | 22 |
| | 5/24/2023 | 0.0371 | 44 |
| | 8/7/2023 | 0.0918 | 52 |
| | 12/12/2023 | 0.0471 | 46 |
| | 1/10/2024 | ND<0.035 U | 22 |
| | 5/20/2024 | 0.112 | 56 |
| | 9/16/2024 | 0.106 | 55 |
| | 12/11/2024 | 0.059 | 47 |
| | 2/18/2025 | ND<0.0642 U | 22 |
| GD 5 | 3/13/2013 | ND<0.1 U | 22 |
| | 5/20/2013 | ND<0.1 U | 22 |
| | 9/23/2013 | ND<0.1 U | 22 |
| | 12/10/2013 | 0.1 | 53 |
| | 2/6/2014 | ND<0.1 U | 22 |
| | 6/26/2014 | ND<0.1 U | 22 |
| | 9/30/2014 | ND<0.1 U | 22 |
| | 11/19/2014 | ND<0.1 U | 22 |
| | 3/23/2015 | ND<0.1 U | 22 |
| | 4/22/2015 | ND<0.1 U | 22 |
| | 9/30/2015 | 0.12 | 58 |
| | 11/19/2015 | ND<0.1 U | 22 |
| | 3/15/2016 | ND<0.1 U | 22 |
| | 6/29/2016 | ND<0.1 U | 22 |
| | 8/9/2016 | ND<0.1 U | 22 |
| | 12/7/2016 | ND<0.1 U | 22 |
| | 3/2/2017 | ND<0.1 U | 22 |
| | 7/5/2017 | ND<0.1 U | 22 |
| | 8/16/2017 | ND<0.1 U | 22 |
| | 10/25/2017 | ND<0.1 U | 22 |
| | 3/28/2018 | ND<0.1 U | 22 |
| | 6/29/2018 | ND<0.1 U | 22 |
| | 8/2/2018 | ND<0.1 U | 22 |
| | 12/10/2018 | 0.19 | 60 |
| | 4/15/2019 | 1.2 | 61 |
| | 6/12/2019 | ND<0.1 U | 22 |
| | 8/27/2019 | 0.17 | 59 |
| | 10/29/2019 | ND<0.1 U | 22 |
| | 3/30/2020 | ND<0.1 U | 22 |
| | 6/16/2020 | ND<0.1 U | 22 |
| | 9/21/2020 | ND<0.1 U | 22 |
| | 12/17/2020 | 0.113 | 57 |

| | | |
|---|---|---|
| 3/18/2021 | ND<0.1 U | 22 |
| 5/5/2021 | ND<0.1 U | 22 |
| 9/2/2021 | ND<0.1 U | 22 |
| 11/23/2021 | ND<0.1 U | 22 |
| 1/11/2022 | ND<0.1 U | 22 |
| 4/7/2022 | ND<0.1 U | 22 |
| 8/2/2022 | ND<0.1 U | 22 |
| 11/16/2022 | ND<0.1 U | 22 |
| 2/14/2023 | ND<0.1 U | 22 |
| 5/24/2023 | 0.0462 | 45 |
| 8/7/2023 | 0.103 | 54 |
| 12/12/2023 | ND<0.035 U | 22 |
| 1/10/2024 | 0.0681 | 50 |
| 5/21/2024 | 0.0614 | 49 |
| 9/16/2024 | 0.06 | 48 |
| 12/11/2024 | 0.0823 | 51 |
| 2/18/2025 | ND<0.0642 U | 22 |

The Wilcoxon Statistic is 234
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is -1.09764
The Standard Deviation adjusted for ties is 44.4313
The Z Score adjusted for ties is -1.36165
-1.09764 < 2.326 indicating no statistical significance at 1% level
-1.36165 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

## Wilcoxon Non-Parametric Analysis (Inter-Well)

### Parameter: Ortho-phosphate

### Location: GD 5

**Original Data (Not Transformed)**

**Non-Detects Replaced with Detection Limit**

Total non detects is 50
Non detect rank is 25.5

## Wilcoxon Ranks

| Location | Date | Conc. | Rank |
|---|---|---|---|
| SME 10 | 4/7/2022 | ND<0.03 U | 25.5 |
| | 8/3/2022 | ND<0.03 U | 25.5 |
| | 11/16/2022 | ND<0.03 U | 25.5 |
| | 2/13/2023 | ND<0.03 U | 25.5 |
| | 5/24/2023 | ND<0.014 U | 25.5 |
| | 8/7/2023 | ND<0.03 U | 25.5 |
| | 12/12/2023 | ND<0.014 U | 25.5 |
| | 1/10/2024 | 0.017 | 51 |
| | 5/20/2024 | ND<0.03 U | 25.5 |
| | 9/16/2024 | 0.018 | 52 |
| | 12/11/2024 | ND<0.0196 U | 25.5 |
| | 2/18/2025 | ND<0.0196 U | 25.5 |
| GD 5 | 3/13/2013 | ND<0.025 U | 25.5 |
| | 5/20/2013 | ND<0.025 U | 25.5 |
| | 9/23/2013 | 0.027 | 54 |
| | 12/10/2013 | 0.088 | 61 |
| | 2/6/2014 | 0.038 | 56 |
| | 6/26/2014 | ND<0.025 U | 25.5 |
| | 9/30/2014 | ND<0.025 U | 25.5 |
| | 11/19/2014 | 0.051 | 59 |
| | 3/23/2015 | ND<0.025 U | 25.5 |
| | 4/22/2015 | ND<0.025 U | 25.5 |
| | 9/30/2015 | ND<0.025 U | 25.5 |
| | 11/19/2015 | 0.042 | 57 |
| | 3/15/2016 | ND<0.025 U | 25.5 |
| | 6/29/2016 | 0.074 | 60 |
| | 8/9/2016 | ND<0.025 U | 25.5 |
| | 12/7/2016 | ND<0.025 U | 25.5 |
| | 3/2/2017 | ND<0.025 U | 25.5 |
| | 7/5/2017 | ND<0.025 U | 25.5 |
| | 8/16/2017 | ND<0.025 U | 25.5 |
| | 10/25/2017 | ND<0.025 U | 25.5 |
| | 3/28/2018 | ND<0.025 U | 25.5 |
| | 6/29/2018 | ND<0.025 U | 25.5 |
| | 8/2/2018 | ND<0.025 U | 25.5 |
| | 12/10/2018 | ND<0.025 U | 25.5 |
| | 4/15/2019 | ND<0.025 U | 25.5 |
| | 6/12/2019 | ND<0.025 U | 25.5 |
| | 8/27/2019 | ND<0.025 U | 25.5 |
| | 10/29/2019 | ND<0.025 U | 25.5 |
| | 3/30/2020 | ND<0.025 U | 25.5 |
| | 6/16/2020 | ND<0.03 U | 25.5 |
| | 9/21/2020 | ND<0.03 U | 25.5 |
| | 12/17/2020 | ND<0.03 U | 25.5 |

| | | |
|---|---|---|
| 3/18/2021 | ND<0.03 U | 25.5 |
| 5/5/2021 | ND<0.03 U | 25.5 |
| 9/2/2021 | ND<0.03 U | 25.5 |
| 11/23/2021 | ND<0.03 U | 25.5 |
| 1/11/2022 | ND<0.03 U | 25.5 |
| 4/7/2022 | ND<0.03 U | 25.5 |
| 8/2/2022 | ND<0.03 U | 25.5 |
| 11/16/2022 | ND<0.03 U | 25.5 |
| 2/14/2023 | ND<0.03 U | 25.5 |
| 5/24/2023 | 0.025 | 53 |
| 8/7/2023 | ND<0.03 U | 25.5 |
| 12/12/2023 | ND<0.014 U | 25.5 |
| 1/10/2024 | 0.045 | 58 |
| 5/21/2024 | ND<0.03 U | 25.5 |
| 9/16/2024 | ND<0.014 U | 25.5 |
| 12/11/2024 | ND<0.0196 U | 25.5 |
| 2/18/2025 | 0.027 | 55 |

The Wilcoxon Statistic is 308
The Expected value is is 294
The Standard Deviation is 55.1181
The Z Score is 0.244929
The Standard Deviation adjusted for ties is 36.9482
The Z Score adjusted for ties is 0.365376
0.244929 < 2.326 indicating no statistical significance at 1% level
0.365376 < 2.326 indicating no statistical significance at 1% level when adjusted for ties

# Appendix C – Monitoring Reports

# Monitoring Report Second Quarter 2024
# Gadsden, Alabama Urbanized Area
# Phase II Small MS4s
# S&ME Project No. 23820129

PREPARED FOR:

**City of Attalla**
**City of Glencoe**
**City of Hokes Bluff**
**City of Rainbow City**
**City of Southside**
**Etowah County**

PREPARED BY:

**S&ME, Inc.**
**360D Quality Circle NW, Ste 450**
**Huntsville, AL 35806**

**October 7, 2024**

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# 1.0 Introduction

S&ME, Inc. has prepared this Quarterly Wet-Weather Monitoring Report on behalf of Etowah County and the cities of Attalla, Glencoe, Hokes Bluff, Rainbow City, and Southside. Our work was conducted in general accordance with the proposals issued to each entity.

## 1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the City of Attalla, City of Gadsden, City of Glencoe, City of Hokes Bluff, City of Rainbow City, City of Southside, and portions of unincorporated Etowah County as the *Gadsden, Alabama Urbanized Area*. A map outlining the approximate boundary of the *Gadsden, Alabama Urbanized Area* is included as Figure 1 in Appendix I. The regulated small municipal separate storm sewer systems (MS4s) within the urbanized area are collectively referred to as the Gadsden-Etowah MS4.

The Alabama Department of Environmental Management (ADEM) reissued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems with an effective date of October 1, 2021. Permit numbers for each entity in the Gadsden-Etowah MS4 are provided in Table 1-1.

**Table 1-1 Permit Numbers and Responsible Officials**

| Entity | Permit Number | Name |
|---|---|---|
| City of Attalla | ALR040052 | Larry Means, Mayor |
| City of Gadsden | ALR040053 | Craig Ford, Mayor |
| City of Glencoe | ALR040054 | Chris Hare, Mayor |
| City of Hokes Bluff | ALR040055 | Scott Reeves, Mayor |
| City of Rainbow City | ALR040056 | Joe Taylor, Mayor |
| City of Southside | ALR040057 | Dana Snyder, Mayor |
| Etowah County | ALR040009 | Robert Nail, Engineer |

## 1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40 CFR 130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. In 2008, the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorus), pH, and Dissolved Oxygen. **The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.**

### 1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program Plan (SWMPP). Part IV.D of the NPDES General Permit requires that the SWMPP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Each entity's SWMPP requires implementation of the wet-weather monitoring program as detailed in the *Gadsden-Etowah MS4 Wet-Weather Monitoring Program*, dated April 2022 (hereafter referred to as the 2022 Monitoring Program). The intent of the proposed monitoring program is to evaluate the effectiveness of each MS4's BMPs in achieving the required phosphorus reduction as established in the TMDL and to generally evaluate overall water quality using a watershed approach.

On March 24, 2015, the cities of Attalla, Gadsden, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County entered into a Cooperative Agreement to jointly perform the quarterly monitoring. As of October 1, 2023, the City of Gadsden has elected to separate from the joint monitoring agreement and perform their own monitoring. As of the date of this report, the 2022 Monitoring Program has not been revised, nor has the City of Gadsden prepared a separate monitoring plan.

## 2.0 Rainfall Data

The largest loading of phosphorus to the Coosa River from the Gadsden-Etowah MS4 is expected to occur during runoff events; therefore, the 2022 Monitoring Program requires that monitoring be conducted within 72 hours of a qualifying rain event of at least 0.75 inch, as measured at three rain gauges within the MS4 located a minimum of three miles apart.

On May 18, 2024, a rain event was observed in the vicinity of the urbanized area. Table 2-1 lists the observed rain gauges, and the recorded precipitation amounts for the rain event. The locations of the weather stations are identified on Figure 2 in Appendix I.

**Table 2-1 Rainfall Data – May 18, 2024**

| Gauge Name | Location | Latitude | Longitude | Precip 5/18/24 |
|---|---|---|---|---|
| KALASHVI18 | Ashville, AL | 33.88 | -86.11 | 0.35 in |
| KALASHVI19 | Ashville, AL | 33.84 | -86.25 | NR |
| KALATTAL12 | Attalla, AL | 34.09 | -86.12 | 0.08 in |
| KALATTAL22 | Attalla, AL | 33.99 | -86.11 | 0.71 |

| Gauge Name | Location | Latitude | Longitude | Precip 5/18/24 |
|---|---|---|---|---|
| KALGADSD102 | Gadsden, AL | 34.04 | -85.89 | 0.70 in |
| KALGADSD117 | Gadsden, AL | 34.03 | -86.07 | **1.24 in** |
| KALGADSD122 | Gadsden, AL | 33.97 | -85.99 | **0.81 in** |
| KALGADSD3 | Gadsden, AL | 34.06 | -85.99 | NR |
| KALGADSD76 | Gadsden, AL | 33.96 | -85.98 | 0.63 in |
| KALGLENC5 | Glencoe, AL | 33.94 | -85.95 | NR |
| KALGLENC7 | Glencoe, AL | 33.97 | -85.91 | 0.62 in |
| KALHOKES2 | Hokes Bluff, AL | 33.99 | 85.81 | 0.42 in |
| KALHOKES6 | Hokes Bluff, AL | 34.01 | -85.92 | 0.46 in |
| KALRAINB17 | Rainbow City, AL | 33.93 | -86.09 | 0.54 in |
| KALRAINB19 | Rainbow City, AL | 33.94 | -86.03 | **0.74 in** |
| KALSOUTH7 | Southside, AL | 33.89 | -86.01 | 0.38 in |

NR – Not Reporting

Two gauges (KALGADSD117 and KALGADSD122) recorded precipitation totals in excess of the 0.75-inch threshold. Gauge KALRAINB19 recorded a total of 0.74 inch of rain, just below the 0.75-inch threshold. Due to concerns regarding the forecasted lack of rain for the remainder of the second quarter, S&ME decided to perform the monitoring following the May 18, 2024 rain event.

# 3.0 Monitoring Event

On May 20, S&ME personnel mobilized to conduct storm water monitoring for the second quarter of 2024 in general accordance with Section 3 of the *Gadsden-Etowah MS4 Wet-Weather Monitoring Program*, dated April 2022.

## 3.1 Monitoring Locations

The monitoring locations for the six MS4s remaining in the joint monitoring program are identified on Figure 3 in Appendix I. Coordinates for each point are listed in Table 3-1.

### Table 3-1 Monitoring Point Coordinates

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| AT 5 | 34.006446° | -86.069061° | LAND | Big Wills Creek / Little Wills Creek |
| GD 12 | 33.952567° | -86.003495° | LAND | U.T. to Neely Henry Lake |
| RC 2 | 33.967683° | -86.039476° | LAND | Horton Creek |
| SME 10 | 33.985669° | -85.878605° | LAND | U.T. to Big Cove Creek (exiting Hokes Bluff) |

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| SME 7 | 34.006225° | -86.111277° | LAND | Big Wills Creek |
| SME 9 | 34.002807° | -85.871879° | LAND | U.T. to Neely Henry Lake |
| SS 13 | 33.891352° | -86.049229° | LAND | Neely Henry Lake |
| SS 14 | 33.885921° | -86.030683° | LAND | U.T. to Neely Henry Lake |
| GD 5 | 34.014324° | -85.924013° | BOAT | Big Cove Creek / Little Cove Creek |
| HB 3 | 34.002129° | -85.882808° | BOAT | U.T. to Neely Henry Lake |
| RC 14 | 33.905786° | -86.111656° | BOAT | Rook Creek / Dry Creek |
| SME 1 | 33.990184° | -86.004048° | BOAT | Big Wills Creek / Black Creek |
| SME 3 | 34.009698° | -85.956230° | BOAT | Coal Creek |
| SME 4 | 34.001667° | -85.883342° | BOAT | Coosa River channel at north end of MS4 |
| SME 5 | 33.940514° | -86.029885° | BOAT | Coosa River channel at center of MS4 |
| SME 6 | 33.852125° | -86.049695° | BOAT | Confluence of Greens Creek and Coosa River |
| SS 5 | 33.941329° | -86.021569° | BOAT | U.T. to Coosa River |

Following evaluation of the monitoring program for the Annual Reports in May of 2020, monitoring points CO 14, SME 3, and GD 3 were removed from the monitoring program and monitoring points SME 4, SME 5, SME 6, SME 7, and SME 8 were added. The changes to the monitoring program were implemented beginning with the 2020 fourth quarter sampling event. Monitoring point SME 3 was reinstated as part of the monitoring program beginning with the 2021 third quarter sampling event.

Following evaluation of the monitoring program for the 2022 SWMPPs and 2022 Monitoring Program, monitoring points SME 2 and SME 8 were removed from the monitoring program and monitoring points SME 9 and SME 10 were added. The changes to the monitoring program were implemented beginning with the 2022 second quarter sampling event.

**Following the City of Gadsden's separation from the joint monitoring program, S&ME has discontinued monitoring at points CO 15, GD 6, GD 7, GD8, and GD9.** The changes to the monitoring program were implemented beginning with the 2023 fourth quarter sampling event. It is expected that the City of Gadsden will continue to monitor these five locations until the 2022 Monitoring Program is revised.

## 3.2 Sampling Procedures

Samples accessible by land were obtained using a stainless-steel bucket. Samples accessible by boat were obtained using a horizontal Van Dorn sampler. The bucket and Van Dorn sampler were decontaminated prior to use and in between samples.

## 3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID

- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature

Field parameters were measured using a YSI Pro DSS Multi-Probe Meter.

The recorded field observations are included on Table B.1 in Appendix II. The recorded field parameters are included on Table B.2 in Appendix II.

## 3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

### *3.4.1 Sample Containers and Preservation*

The samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed in Table 3-2.

**Table 3-2 Sample Containers and Preservation**

| Parameter | Container | Preservative | Hold Time |
|---|---|---|---|
| Total Suspended Solids (TSS) | HDPE - 1 L | NONE | 7 days |
| Total Phosphorus | HDPE - 250 mL | $H_2SO_4$ | 48 hours |
| Orthophosphate | AMB - 100 mL | NONE | 48 hours |
| Nitrate-Nitrite | HDPE - 250 mL | $H_2SO_4$ | 28 days |
| Total Kjeldahl Nitrogen (TKN) | HDPE - 250 mL | $H_2SO_4$ | 28 days |

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative

- Analysis to be performed

### *3.4.2 Quality Assurance*

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point AT 5 was collected by the land team during the sampling event and labeled as SME 12. One duplicate sample of monitoring point SME 4 was collected by the boat team during the sampling event and labeled as SME 11.

### *3.4.3 Sample Shipment*

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in Appendix III.

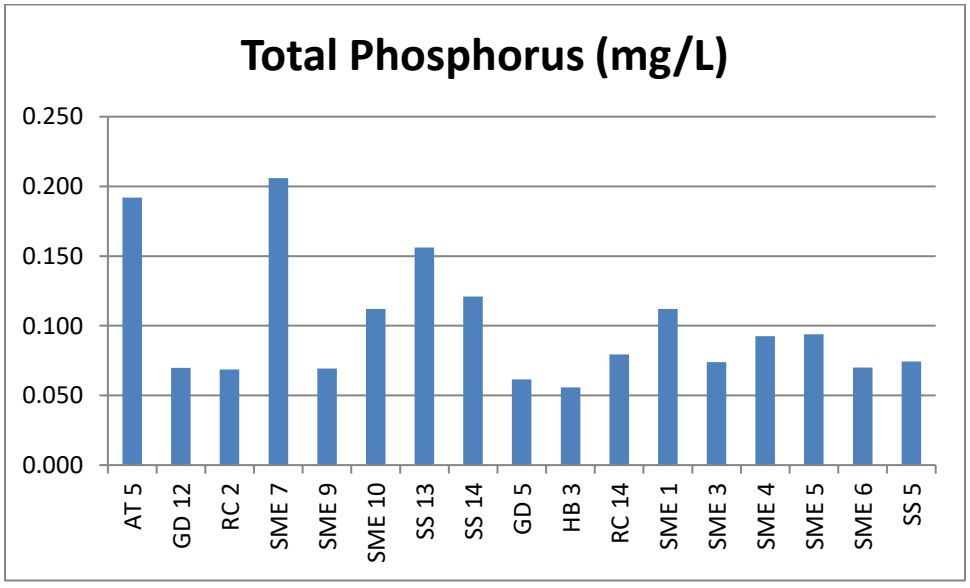
# 4.0 Analytical Results

The laboratory analytical results for the May 18 quarterly monitoring event are included on Table B.2 in Appendix II. Historical monitoring data for each of the active monitoring points is included in Appendix II as Tables B.3 to B.19. The laboratory reports and Chain of Custody are included in Appendix III.

## 4.1 Total Phosphorus

Total phosphorus was detected at all 17 monitoring points evaluated during the 2024 Q2 monitoring event. As shown in Figure 4-1 below, the concentration of total phosphorus was highest at monitoring point SME 7 (0.206 mg/L), followed by point AT 5 (0.192 mg/L) and point SS13 (0.156 mg/L). Two of the three points are located at Big Wills Creek.

**Figure 4-1 2024 Q2 Total Phosphorus Concentrations**



## 5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Report submitted by each entity. Monitoring reports will be retained by each entity for a minimum of three years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the 2022 *Gadsden-Etowah Wet-Weather Monitoring Program*. Current membership of the Storm Water Steering Committee is as follows:

**Table 5-1 Storm Water Steering Committee**

| Entity | Contact | Phone No. | Email |
|---|---|---|---|
| City of Gadsden | Heath Williamson | 256-549-4520 | hwilliamson@cityofgadsden.com |
| City of Gadsden | Keener Morrow | 256-549-4524 | kmorrow@cityofgadsden.com |
| City of Attalla | Jason Nicholson | 256-441-9200 | jnicholson@attallacity.org |
| City of Rainbow City | Joel Garmon | 256-413-1230 | jgarmon@rbcalabama.com |
| City of Southside | Judd Rich | 256-442-9775 Ext. 103 | juddrich@cityofsouthside.com |
| City of Glencoe | Todd Means | 256-492-1424 | toddmeans@cityofglencoe.org |
| City of Hokes Bluff | Lisa Lowman | 256-492-2414 | lisa.lowman@cityofhokesbluff.com |
| Etowah County | Robert Nail | 256-549-5358 | rnail@etowahcounty.org |

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

## 6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

_____ _____

Signature of Responsible Official Date

_____ _____

Print Name and Title MS4 Entity

## 7.0 Acknowledgement

S&ME certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

## 8.0 Closing

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

**S&ME, Inc.**

Sarah L. Yeldell, P.E.
Project Manager

Deborah J. Jones, P.E.
Senior Engineer

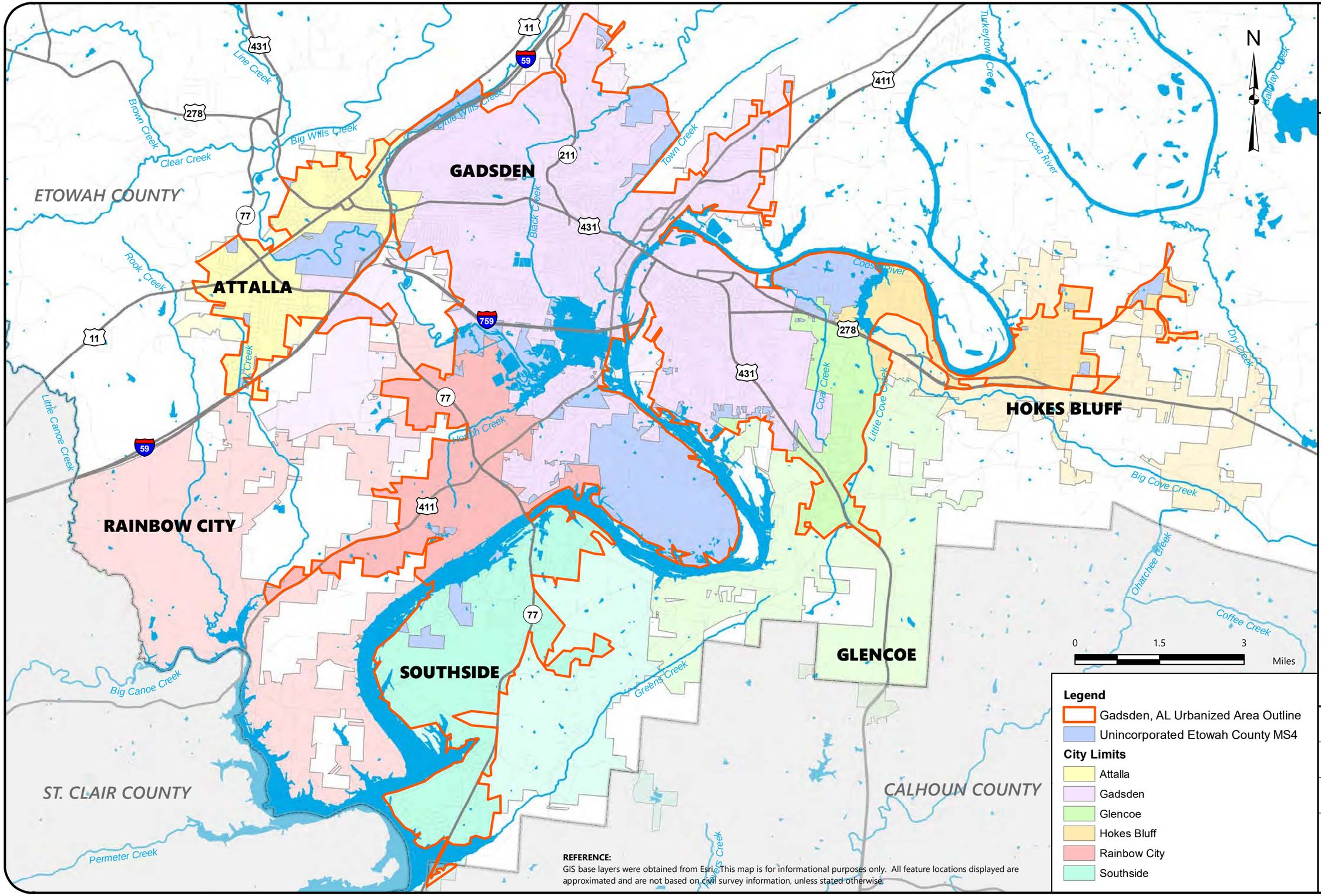
# Appendices

# Appendix I – Figures

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – Rain Gauge Location

Figure 3 – MS4 Monitoring Locations




**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

# GADSDEN-ETOWAH MS4 BOUNDARIES

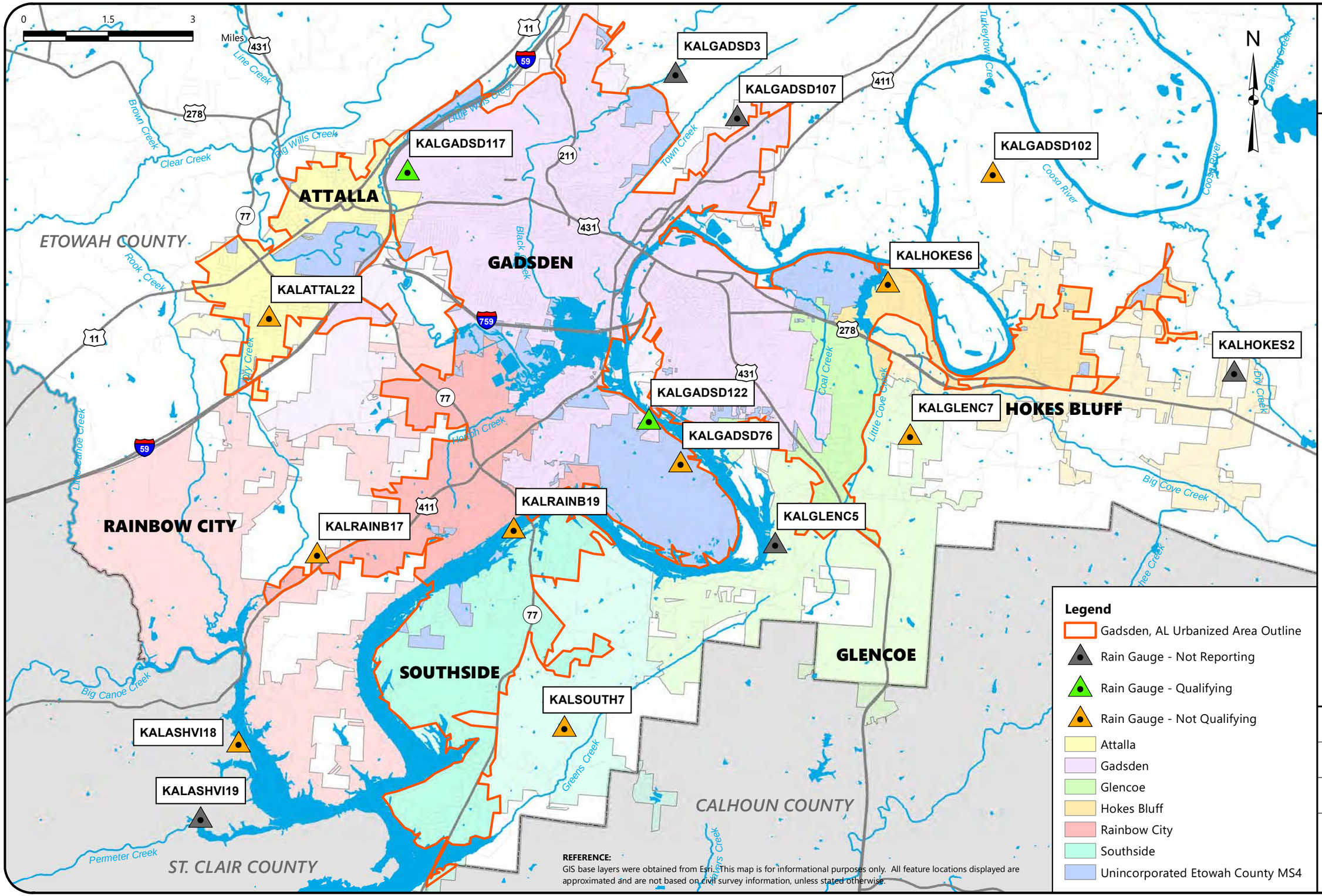
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE:
1:100,000

DATE:
12/21/2023

PROJECT NUMBER
23820129

FIGURE NO.
1




**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

# MAY 18, 2024 RAIN EVENT

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE:
1:100,000

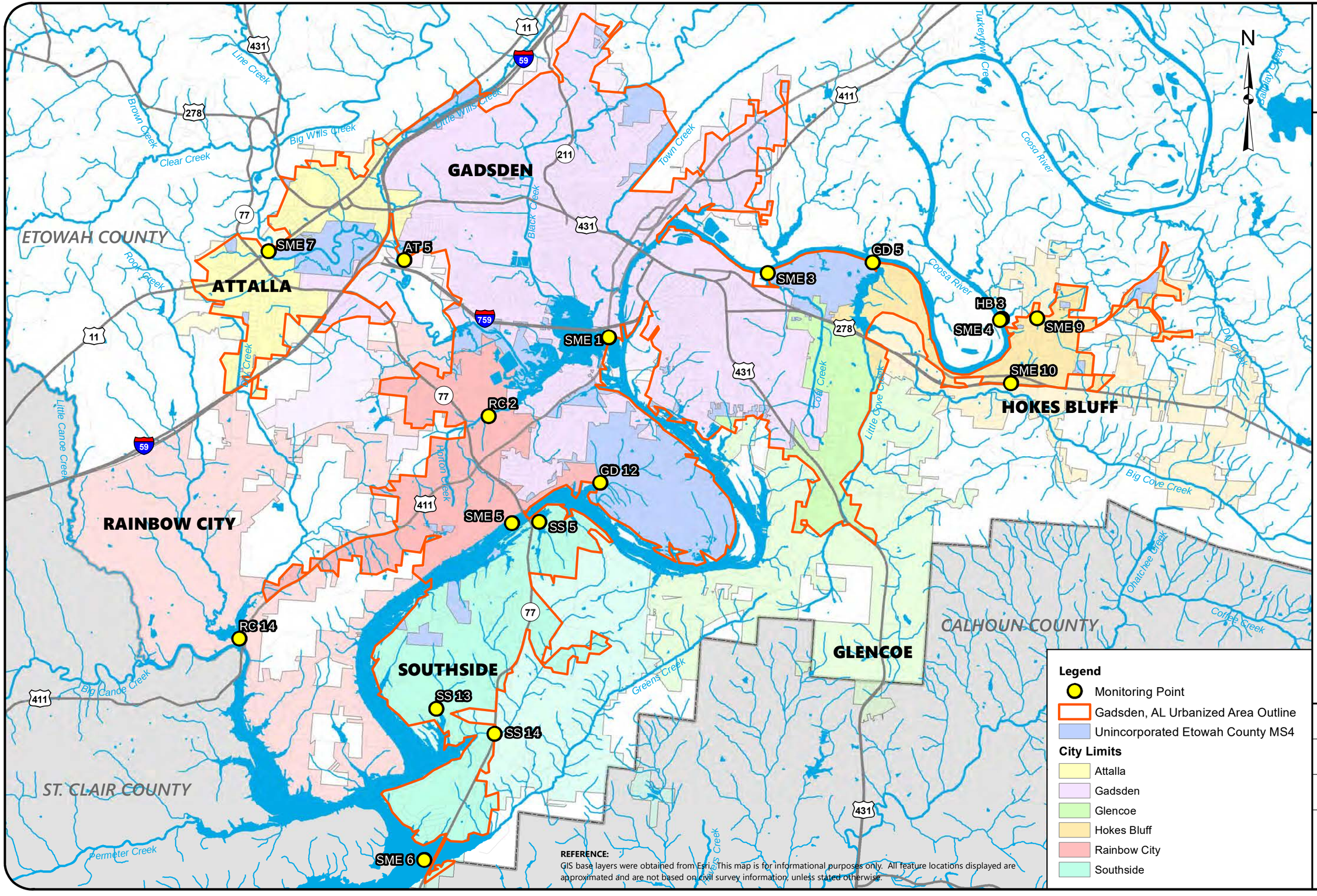
DATE:
10/07/2024

PROJECT NUMBER
23820129

FIGURE NO.
2

# WET-WEATHER MONITORING LOCATIONS

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009




**Legend**

- Monitoring Point
- Gadsden, AL Urbanized Area Outline
- Unincorporated Etowah County MS4

**City Limits**

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

| | |
|---|---|
| SCALE: | 1:100,000 |
| DATE: | 11/17/2023 |
| PROJECT NUMBER | 22820261 |
| FIGURE NO. | 3 |

# Appendix II – Tables

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.26 – Historical Analytical Data

## TABLE B.1 - FIELD OBSERVATIONS
## 2024 Q2 MS4 WET-WEATHER MONITORING

| Monitoring Point | Date | Time | Sample Depth (ft) | Personnel | Weather Conditions | Waterbody Conditions |
|---|---|---|---|---|---|---|
| AT 5 | 5/20/2024 | 12:10 | Surface | NW/GK | Sunny | Smooth |
| GD 12 | 5/20/2024 | 11:50 | Surface | NW/GK | Sunny | Smooth |
| RC 2 | 5/20/2024 | 11:30 | Surface | NW/GK | Sunny | Smooth |
| SME 7 | 5/20/2024 | 9:40 | Surface | NW/GK | Sunny | Smooth |
| SME 9 | 5/20/2024 | 10:20 | Surface | NW/GK | Sunny | Smooth |
| SME 10 | 5/20/2024 | 10:30 | Surface | NW/GK | Sunny | Smooth |
| SS 13 | 5/20/2024 | 11:00 | Surface | NW/GK | Sunny | Smooth |
| SS 14 | 5/20/2024 | 11:15 | Surface | NW/GK | Sunny | Smooth |
| GD 5 | 5/21/2024 | 10:45 | -4 | PC | Sunny | Smooth |
| HB 3 | 5/21/2024 | 10:15 | -4 | PC | Sunny | Smooth |
| RC 14 | 5/21/2024 | 12:50 | -4 | PC | Sunny | Smooth |
| SME 1 | 5/21/2024 | 11:15 | -4 | PC | Sunny | Smooth |
| SME 3 | 5/21/2024 | 11:00 | -4 | PC | Sunny | Smooth |
| SME 4 | 5/21/2024 | 10:25 | -4 | PC | Sunny | Smooth |
| SME 5 | 5/21/2024 | 12:15 | -4 | PC | Sunny | Smooth |
| SME 6 | 5/21/2024 | 12:35 | -4 | PC | Sunny | Smooth |
| SS 5 | 5/21/2024 | 12:05 | -4 | PC | Sunny | Smooth |

## TABLE B.2 - ANALYTICAL DATA
## 2024 Q2 MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Monitoring Point** | **Date** | **Turbidity (NTU)** | **pH** | **DO (mg/L)** | **Sample Temp (°C)** | **TSS (mg/L)** | **TKN (mg/L)** | **Nitrate-Nitrite (mg/L)** | **Total Phosphorus (mg/L)** | **Ortho-Phosphate (mg/L)** |
| AT 5 | 5/20/2024 | 9.07 | 7.74 | 8.53 | 28.1 | 11.6 | <0.250 | 0.737 | 0.192 | 0.120 |
| GD 12 | 5/20/2024 | 14.36 | 7.10 | 7.69 | 26.8 | 9.80 | 0.496 | 0.102 | 0.0698 | <0.0300 |
| RC 2 | 5/20/2024 | 17.18 | 6.19 | 6.19 | 23.2 | 11.7 | 0.424 | 0.142 | 0.0687 | 0.0160 |
| SME 7 | 5/20/2024 | 10.34 | 7.74 | 8.34 | 21.8 | 13.5 | <0.250 | 0.821 | 0.206 | 0.162 |
| *SME 12* | 5/20/2024 | *DUPLICATE OF AT 5* | | | | *12.3* | *0.506* | *0.728* | *0.200* | *0.120* |
| SME 9 | 5/20/2024 | 1.27 | 7.60 | 6.65 | 23.1 | 2.80 | <0.250 | 0.0897 | 0.0694 | <0.0300 |
| SME 10 | 5/20/2024 | 8.54 | 7.16 | 5.44 | 23.6 | 10.0 | 0.326 | 0.132 | 0.112 | <0.0300 |
| SS 13 | 5/20/2024 | 9.83 | 7.30 | 8.03 | 28.3 | 32.7 | 0.512 | <0.100 | 0.156 | 0.0320 |
| SS 14 | 5/20/2024 | 10.78 | 7.80 | 10.12 | 26.7 | 7.67 | 0.487 | 0.213 | 0.121 | 0.0210 |
| GD 5 | 5/21/2024 | 11.01 | 7.75 | 9.12 | 24.8 | 8.93 | 0.443 | 0.131 | 0.0614 | <0.0300 |
| HB 3 | 5/21/2024 | 36.86 | 7.51 | 8.92 | 24.2 | 28.6 | 0.357 | 0.0799 | 0.0557 | <0.0300 |
| RC 14 | 5/21/2024 | 13.89 | 7.91 | 10.48 | 27.1 | 8.40 | 0.667 | <0.100 | 0.0795 | <0.0300 |
| SME 1 | 5/21/2024 | 22.21 | 8.21 | 11.59 | 25.8 | 14.6 | 0.597 | <0.100 | 0.112 | <0.0300 |
| SME 3 | 5/21/2024 | 18.78 | 8.12 | 10.05 | 25.1 | 24.6 | 0.545 | <0.100 | 0.0739 | <0.0300 |
| SME 4 | 5/21/2024 | 21.02 | 7.38 | 9.03 | 24.6 | 12.0 | 0.565 | 0.143 | 0.0925 | <0.0300 |
| *SME 11* | 5/21/2024 | *DUPLICATE OF SME 4* | | | | *9.33* | *0.405* | *0.145* | *0.0736* | <0.0300 |
| SME 5 | 5/21/2024 | 13.88 | 7.81 | 9.72 | 26.0 | 12.3 | 0.653 | 0.179 | 0.0938 | <0.0300 |
| SME 6 | 5/21/2024 | 28.42 | 7.82 | 9.84 | 26.4 | 47.6 | 0.287 | 0.100 | 0.0700 | <0.0300 |
| SS 5 | 5/21/2024 | 16.20 | 7.87 | 9.02 | 25.8 | 11.0 | 0.261 | 0.107 | 0.0743 | <0.0300 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
NS - Not Sampled

Bold - maximum reading for constituent
NA - not availabe at this time
* - value unknown due to equipment malfuction

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 3/12/2013 | 15 | 7.80 | 11.04 | 12.55 | 20.0 | 0.37 | 0.61 | 0.14 | 0.150 |
| AT 5 | 5/8/2013 | 25 | 5.08 | 2.59 | 14.69 | 19.0 | 0.56 | 0.31 | 0.11 | 0.099 |
| AT 5 | 9/23/2013 | 21 | 5.96 | 3.95 | 22.88 | 22.0 | 0.37 | 1.30 | 0.35 | 0.400 |
| AT 5 | 12/10/2013 | 68 | 5.32 | 11.43 | 8.21 | 64.0 | 0.97 | 0.79 | 0.34 | 0.290 |
| AT 5 | 2/6/2014 | 40 | 4.06 | 15.29 | 7.28 | 32.0 | 0.35 | 0.80 | 0.13 | 0.130 |
| AT 5 | 6/26/2014 | 70 | 7.85 | 7.61 | 23.89 | 19.0 | 0.38 | 0.77 | 0.28 | 0.340 |
| AT 5 | 9/30/2014 | 15 | 5.78 | 6.63 | 21.03 | 14.0 | <0.25 | 0.94 | 0.54 | 0.490 |
| AT 5 | 11/19/2014 | 47 | 5.08 | 10.23 | 6.91 | 27.0 | 0.50 | 1.30 | 0.39 | 0.410 |
| AT 5 | 3/23/2015 | 17 | 8.69 | 9.39 | 14.5 | 15.0 | 0.27 | 0.71 | 0.14 | 0.130 |
| AT 5 | 4/22/2015 | 53 | 6.93 | 11.13 | 18.4 | 76.0 | <0.25 | 0.69 | 0.13 | 0.110 |
| AT 5 | 9/30/2015 | 15 | 6.37 | 9.45 | 21.63 | 16.4 | <0.25 | 1.82 | 0.86 | 0.664 |
| AT 5 | 11/19/2015 | 934 | 7.38 | 19.33 | 14.98 | 74.6 | 1.47 | 0.67 | 0.31 | 0.261 |
| AT 5 | 3/15/2016 | 30.2 | 7.93 | 20.43 | 16.86 | 26.7 | 0.772 | 0.578 | <0.100 | 0.068 |
| AT 5 | 6/29/2016 | 18.1 | 7.99 | 6.57 | 25.4 | 14.5 | <0.250 | 0.800 | 0.71 | 0.598 |
| AT 5 | 8/9/2016 | 17.1 | 7.89 | 6.47 | 25.8 | 18.3 | 0.268 | 0.975 | 0.502 | 0.482 |
| AT 5 | 12/7/2016 | 26.5 | 7.08 | 10.19 | 11.3 | 16.9 | <0.250 | 0.663 | 0.474 | 0.450 |
| AT 5 | 3/2/2017 | 50.8 | 8.14 | 8.86 | 13.4 | 44.6 | 0.529 | 1.08 | 0.373 | 0.267 |
| AT 5 | 6/21/2017 | 11.7 | 7.98 | 6.74 | 23.3 | 70.0 | 0.544 | 0.616 | 0.366 | 0.226 |
| AT 5 | 8/17/2017 | 9.5 | 8.09 | 6.77 | 26.0 | 12.0 | 0.690 | 0.890 | 0.283 | 0.258 |
| AT 5 | 10/26/2017 | 9.8 | 7.95 | 8.25 | 15.7 | 9.4 | <0.250 | 0.936 | 0.250 | 0.226 |
| AT 5 | 3/27/2018 | 14.5 | 7.79 | 9.03 | 12.9 | 15.9 | <0.250 | 0.849 | 0.148 | 0.162 |
| AT 5 | 6/26/2018 | 16.4 | 8.06 | 6.89 | 25.5 | 25.2 | 0.411 | 0.849 | 0.246 | 0.230 |
| AT 5 | 8/1/2018 | 77.9 | 7.33 | 7.16 | 22.3 | 107.0 | 0.680 | 0.510 | 0.401 | 0.285 |
| AT 5 | 12/11/2018 | 29.2 | 7.59 | 10.73 | 9.4 | 46.2 | 0.579 | 1.09 | 0.204 | 0.066 |

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 4/17/2019 | 12.2 | 7.63 | 8.99 | 17.9 | 14.4 | <0.250 | 0.638 | <0.100 | 0.061 |
| AT 5 | 6/11/2019 | 24.6 | 7.18 | 3.48 | 22.2 | 15.9 | 0.486 | 0.822 | 0.290 | 0.206 |
| AT 5 | 8/28/2019 | 20.7 | 7.84 | 7.42 | 27.1 | 23.5 | 1.070 | 0.534 | 0.485 | 0.404 |
| AT 5 | 10/28/2019 | 22.5 | 7.84 | 8.45 | 15.1 | 17.0 | <0.250 | 0.665 | 0.499 | 0.523 |
| AT 5 | 3/31/2020 | 23.1 | 8.09 | 9.07 | 16.6 | 27.1 | <0.250 | 0.657 | 0.102 | 0.032 |
| AT 5 | 6/10/2020 | 19.4 | 7.56 | 7.35 | 23.2 | 22.8 | <0.250 | 0.825 | 0.243 | 0.248 |
| AT 5 | 9/21/2020 | NS | 8.08 | 8.21 | 20.6 | 11.3 | <0.250 | 0.603 | 0.399 | 0.491 |
| AT 5 | 12/17/2020 | 28.7 | 7.91 | 11.21 | 9.6 | 18.6 | <0.250 | 0.831 | <0.100 | 0.087 |
| AT 5 | 3/18/2021 | 119.0 | 7.82 | 10.68 | 17.2 | 55.6 | <0.250 | 0.310 | <0.100 | 0.050 |
| AT 5 | 5/5/2021 | 6.5 | 7.24 | 8.45 | 18.1 | 43.7 | 1.37 | 6.86 | 0.157 | 0.121 |
| AT 5 | 9/2/2021 | EF | EF | 7.75 | 23.4 | 67.4 | 0.969 | 0.482 | 0.262 | 0.131 |
| AT 5 | 11/23/2021 | <1.0 | 8.13 | 11.09 | 12.9 | 2.6 | <0.250 | 0.343 | 0.253 | <0.0300 |
| AT 5 | 1/10/2022 | 20.8 | 7.39 | 11.46 | 10.0 | 29.7 | 0.279 | 0.769 | 0.184 | 0.126 |
| AT 5 | 4/7/2022 | 21.9 | 7.53 | 9.30 | 16.6 | 33.8 | 0.380 | 0.509 | 0.121 | 0.101 |
| AT 5 | 8/3/2022 | 21.7 | 8.17 | 7.50 | 26.0 | 30.8 | 0.702 | 0.715 | 0.323 | 0.271 |
| AT 5 | 11/16/2022 | 6.4 | 7.80 | 10.62 | 11.1 | 7.3 | <0.250 | 0.366 | 0.420 | 0.448 |
| AT 5 | 2/13/2023 | 32.6 | 7.29 | 11.01 | 11.5 | 38.0 | 0.301 | 0.699 | <0.100 | 0.081 |
| AT 5 | 5/24/2023 | 14.4 | 7.80 | 8.94 | 20.0 | 20.0 | 0.331 | 0.697 | 0.182 | 0.127 |
| AT 5 | 8/7/2023 | 10.54 | 7.87 | 9.13 | 26.5 | 12.4 | 0.291 | 0.832 | 0.430 | 0.373 |
| AT 5 | 12/12/2023 | 22.78 | 7.77 | 8.71 | 9.1 | 10.9 | 0.329 | 0.696 | 0.782 | 0.752 |
| AT 5 | 1/10/2024 | 185.14 | 7.45 | 8.57 | 8.8 | 220.0 | 0.732 | 0.642 | 0.498 | 0.299 |
| AT 5 | 5/20/2024 | 9.07 | 7.74 | 8.53 | 28.1 | 11.6 | <0.250 | 0.737 | 0.192 | 0.120 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 3/12/2013 | 8.5 | 7.41 | 10.93 | 13.43 | 3.9 | 0.54 | 0.25 | <0.100 | 0.030 |
| GD 12 | 5/8/2013 | 15.0 | 6.73 | 2.35 | 16.53 | 7.5 | 0.40 | 0.21 | <0.100 | 0.030 |
| GD 12 | 9/23/2013 | 9.8 | 6.76 | 3.94 | 26.07 | 9.0 | 0.48 | <0.10 | <0.100 | 0.026 |
| GD 12 | 12/10/2013 | 18.8 | 6.15 | 10.09 | 10.18 | 5.9 | 0.45 | 0.22 | 0.11 | 0.079 |
| GD 12 | 2/6/2014 | 12.3 | 4.17 | 16.99 | 5.76 | 3.9 | 0.28 | 0.31 | <0.100 | <0.025 |
| GD 12 | 6/26/2014 | 28.5 | 8.38 | 9.40 | 26.72 | 32.0 | 0.62 | 0.11 | 0.12 | 0.035 |
| GD 12 | 9/30/2014 | 10.6 | 7.68 | 5.77 | 24.68 | 11.0 | 0.39 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2014 | 14.7 | 6.95 | 5.93 | 5.85 | 6.6 | 0.39 | 0.28 | 0.13 | <0.025 |
| GD 12 | 3/23/2015 | 17.6 | 7.80 | 9.56 | 16.80 | 8.1 | 0.59 | 0.24 | <0.100 | <0.025 |
| GD 12 | 4/22/2015 | 17.3 | 7.45 | 11.04 | 19.80 | 14.0 | 0.43 | 0.25 | <0.100 | <0.025 |
| GD 12 | 9/30/2015 | 7.4 | 7.30 | 11.07 | 24.67 | 8.5 | 0.695 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2015 | 22.9 | 7.07 | 19.14 | 14.68 | 12.0 | 0.769 | 0.281 | 0.15 | 0.100 |
| GD 12 | 3/15/2016 | 9.8 | 7.43 | 13.14 | 16.05 | 4.6 | 0.434 | 0.254 | <0.100 | 0.032 |
| GD 12 | 6/29/2016 | 12.9 | 8.22 | 7.68 | 31.20 | 12.0 | 0.380 | <0.100 | <0.100 | 0.036 |
| GD 12 | 8/9/2016 | 22.1 | 7.57 | 4.39 | 27.60 | 13.3 | 0.629 | <0.100 | <0.100 | <0.025 |
| GD 12 | 12/7/2016 | 10.3 | 7.18 | 6.65 | 11.4 | 4.0 | 0.599 | 0.142 | <0.100 | <0.025 |
| GD 12 | 3/2/2017 | 15.4 | 7.79 | 10.12 | 11.70 | 6.1 | 0.583 | 0.223 | 0.12 | <0.025 |
| GD 12 | 6/21/2017 | 16.1 | 7.43 | 5.12 | 24.3 | 16.8 | 0.770 | <0.100 | <0.100 | <0.025 |
| GD 12 | 8/17/2017 | 6.3 | 8.13 | 5.80 | 29.90 | 13.3 | 0.583 | <0.100 | <0.100 | <0.025 |
| GD 12 | 10/26/2017 | 9.8 | 6.74 | 7.53 | 13.2 | 7.8 | 0.312 | 0.19 | <0.100 | <0.025 |
| GD 12 | 3/27/2018 | 6.3 | 7.71 | 9.24 | 11.5 | 4.2 | <0.25 | 0.356 | <0.100 | <0.025 |
| GD 12 | 6/26/2018 | 9.9 | 7.44 | 4.35 | 26.1 | 13.2 | 0.528 | 0.102 | <0.100 | <0.025 |
| GD 12 | 8/1/2018 | 42.3 | 7.05 | 7.33 | 22.7 | 43.8 | 1.230 | 0.108 | 0.286 | 0.159 |
| GD 12 | 12/11/2018 | 9.5 | 6.68 | 11.46 | 7.8 | 4.3 | 0.574 | 0.313 | <0.100 | <0.025 |

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 4/17/2019 | 9.1 | 7.45 | 9.20 | 17.5 | 4.0 | 0.272 | 0.257 | <0.100 | <0.025 |
| GD 12 | 6/11/2019 | 19.0 | 7.20 | 3.25 | 22.0 | 8.2 | 0.820 | 0.223 | 0.121 | 0.066 |
| GD 12 | 8/28/2019 | 11.0 | 7.83 | 7.61 | 28.2 | 9.4 | 0.764 | <0.100 | 0.103 | <0.025 |
| GD 12 | 10/28/2019 | 18.9 | 5.34 | 6.65 | 14.7 | 12.3 | 0.387 | 0.197 | <0.100 | 0.044 |
| GD 12 | 3/31/2020 | 76.3 | 6.71 | 9.44 | 14.5 | 143 | 1.00 | 0.177 | 0.167 | 0.0650 |
| GD 12 | 6/10/2020 | 12.3 | 6.46 | 6.44 | 25.8 | 11.4 | 0.438 | <0.100 | <0.100 | <0.030 |
| GD 12 | 9/21/2020 | NS | 7.18 | 7.15 | 19.9 | 7.6 | <0.250 | 0.103 | <0.100 | <0.030 |
| GD 12 | 12/17/2020 | 13.1 | 8.03 | 11.10 | 8.5 | 3.7 | <0.250 | 0.268 | <0.100 | <0.030 |
| GD 12 | 3/18/2021 | 36.2 | 7.92 | 10.04 | 17.1 | 17.6 | 0.621 | 0.163 | <0.100 | <0.030 |
| GD 12 | 5/5/2021 | 4.1 | 7.49 | 8.97 | 18.9 | 16.4 | 0.610 | 7.26 | <0.100 | <0.030 |
| GD 12 | 9/2/2021 | EF | EF | 7.34 | 24.4 | 3.5 | 0.779 | 0.245 | <0.100 | <0.030 |
| GD 12 | 11/23/2021 | <1.0 | 7.80 | 11.27 | 12.5 | 2.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 1/10/2022 | 10.7 | 7.29 | 12.18 | 8.5 | 3.7 | 0.325 | 0.230 | <0.100 | <0.0300 |
| GD 12 | 4/7/2022 | 6.19 | 7.51 | 9.97 | 17.0 | 3.4 | 0.522 | 0.177 | <0.100 | 0.0740 |
| GD 12 | 8/3/2022 | 11.8 | 8.09 | 8.02 | 31.5 | 6.4 | 0.999 | <0.100 | 0.142 | <0.0300 |
| GD 12 | 11/16/2022 | 3.9 | 7.25 | 9.67 | 11.2 | 4.5 | 0.407 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 2/13/2023 | 10.0 | 5.69 | 11.45 | 12.2 | 2.9 | 0.750 | 0.277 | <0.100 | <0.0300 |
| GD 12 | 5/24/2023 | 4.3 | 7.73 | 9.20 | 20.5 | 4.60 | 0.357 | 0.293 | 0.0372 | 0.0440 |
| GD 12 | 8/7/2023 | 8.17 | 7.85 | 8.85 | 31.0 | 5.20 | 0.813 | <0.100 | 0.0945 | <0.0300 |
| GD 12 | 12/12/2023 | 4.80 | 7.44 | 7.67 | 9.8 | <2.50 | 0.412 | 0.164 | 0.0233 | <0.0140 |
| GD 12 | 1/10/2024 | 15.55 | 7.21 | 8.93 | 9.0 | 5.60 | 0.437 | 0.389 | 0.0611 | 0.0410 |
| GD 12 | 5/20/2024 | 14.36 | 7.10 | 7.69 | 26.8 | 9.80 | 0.496 | 0.102 | 0.0698 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 3/12/2013 | 29.1 | 7.73 | 9.83 | 10.53 | 14.0 | 0.75 | 0.12 | <0.100 | 0.088 |
| RC 2 | 5/8/2013 | 18.9 | 6.16 | 3.06 | 16.36 | 12.0 | 0.55 | 0.19 | <0.100 | <0.025 |
| RC 2 | 9/23/2013 | 11.4 | 6.24 | 3.00 | 23.61 | 6.3 | 0.43 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/10/2013 | 33.6 | 6.07 | 11.71 | 8.38 | 10.0 | 0.54 | 0.11 | <0.100 | 0.062 |
| RC 2 | 2/6/2014 | 30.4 | 3.89 | 17.28 | 5.62 | 9.6 | 0.43 | 0.26 | <0.100 | <0.025 |
| RC 2 | 6/26/2014 | 17.6 | 7.90 | 6.81 | 24.81 | 7.2 | 0.44 | 0.15 | <0.100 | <0.025 |
| RC 2 | 9/30/2014 | 3.4 | 7.27 | 5.55 | 22.25 | 2.5 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2014 | 27.4 | 5.65 | 7.14 | 5.72 | 11.0 | 0.43 | 0.17 | <0.100 | <0.025 |
| RC 2 | 3/23/2015 | 45.0 | 8.23 | 9.07 | 16.00 | 18.0 | 0.81 | 0.15 | <0.100 | 0.044 |
| RC 2 | 4/22/2015 | 14.1 | 7.64 | 11.42 | 18.40 | 4.8 | <0.25 | 0.26 | <0.100 | <0.025 |
| RC 2 | 9/30/2015 | 7.1 | 5.93 | 9.28 | 23.33 | 4.6 | <0.25 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2015 | 114.0 | 7.36 | 21.94 | 15.29 | 14.4 | 0.75 | 0.271 | 0.133 | <0.025 |
| RC 2 | 3/15/2016 | 14.5 | 7.62 | 16.67 | 14.61 | 6.0 | 0.43 | 0.181 | <0.100 | <0.025 |
| RC 2 | 6/29/2016 | 12.1 | 7.78 | 4.31 | 28.30 | 10.9 | 0.35 | <0.100 | <0.100 | 0.077 |
| RC 2 | 8/9/2016 | 24.5 | 8.12 | 5.05 | 26.50 | 9.9 | 0.45 | 0.140 | <0.100 | <0.025 |
| RC 2 | 12/7/2016 | 17.2 | 7.86 | 7.47 | 12.0 | 11.9 | 0.53 | 0.200 | <0.100 | <0.025 |
| RC 2 | 3/2/2017 | 25.3 | 7.71 | 7.74 | 13.10 | 8.0 | 0.45 | 0.166 | <0.100 | <0.025 |
| RC 2 | 6/21/2017 | 14.2 | 7.91 | 5.61 | 23.7 | 12.3 | 0.51 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/17/2017 | 18.2 | 8.08 | 4.94 | 27.90 | 72.2 | 0.72 | <0.100 | 0.133 | <0.025 |
| RC 2 | 10/26/2017 | 18.1 | 7.57 | 7.05 | 15.2 | 17.5 | 0.27 | <0.100 | <0.100 | <0.025 |
| RC 2 | 3/27/2018 | 18.2 | 7.91 | 8.43 | 12.4 | 12.5 | <0.25 | 0.146 | <0.100 | <0.025 |
| RC 2 | 6/26/2018 | 18.8 | 7.94 | 6.19 | 26.5 | 13.0 | 0.802 | 0.101 | <0.100 | <0.025 |
| RC 2 | 8/1/2018 | 56.8 | 7.40 | 7.10 | 22.4 | 84.4 | 0.506 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/11/2018 | 16.0 | 7.54 | 11.41 | 7.7 | 3.1 | 0.479 | 0.316 | <0.100 | <0.025 |

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 4/17/2019 | 7.0 | 7.77 | 8.67 | 18.9 | <5.00 | 0.288 | 0.165 | <0.100 | <0.025 |
| RC 2 | 6/11/2019 | 14.3 | 6.83 | 3.78 | 23.0 | 5.2 | 0.520 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/28/2019 | 14.4 | 8.01 | 7.30 | 28.0 | 4.8 | 0.748 | <0.100 | <0.100 | <0.025 |
| RC 2 | 10/28/2019 | 11.4 | 7.55 | 9.42 | 14.9 | 3.4 | <0.250 | 0.132 | 0.197 | <0.025 |
| RC 2 | 3/31/2020 | 84.5 | 7.90 | 9.10 | 15.7 | 90.0 | 0.574 | 0.190 | 0.118 | 0.0290 |
| RC 2 | 6/10/2020 | 20.5 | 7.87 | 6.37 | 25.6 | 10.8 | 0.330 | 0.210 | <0.100 | <0.030 |
| RC 2 | 9/21/2020 | NS | 7.24 | 7.03 | 19.6 | 5.2 | <0.250 | <0.100 | <0.100 | <0.030 |
| RC 2 | 12/17/2020 | 28.1 | 7.91 | 11.23 | 8.9 | 5.4 | 0.396 | 0.218 | <0.100 | <0.030 |
| RC 2 | 3/18/2021 | 67.5 | 7.90 | 8.68 | 16.7 | 26.8 | 0.611 | 0.145 | <0.100 | <0.030 |
| RC 2 | 5/5/2021 | 2.8 | 7.31 | 8.95 | 19.1 | 15.6 | 0.892 | 7.91 | <0.100 | <0.030 |
| RC 2 | 9/2/2021 | EF | EF | 6.52 | 25.0 | 3.4 | 0.802 | 0.122 | <0.100 | <0.030 |
| RC 2 | 11/23/2021 | 3.5 | 7.66 | 8.33 | 12.2 | 19.2 | 0.340 | 0.124 | <0.100 | <0.0300 |
| RC 2 | 1/10/2022 | 32.1 | 7.27 | 11.50 | 8.4 | 9.0 | 0.501 | 0.185 | <0.100 | <0.0300 |
| RC 2 | 4/7/2022 | 10.96 | 7.41 | 9.02 | 17.5 | 5.0 | 0.386 | 0.186 | 0.144 | <0.0300 |
| RC 2 | 8/3/2022 | 15.1 | 8.26 | 7.41 | 27.1 | 13.8 | 0.352 | 0.175 | <0.100 | <0.0300 |
| RC 2 | 11/16/2022 | 19.4 | 7.35 | 8.84 | 11.2 | 13.4 | 0.434 | 0.126 | <0.100 | <0.0300 |
| RC 2 | 2/13/2023 | 20.0 | 7.12 | 11.58 | 10.9 | 5.3 | 0.636 | 0.273 | <0.100 | <0.0300 |
| RC 2 | 5/24/2023 | 16.0 | 7.56 | 8.31 | 20.5 | 22.8 | 0.542 | 0.142 | 0.0469 | <0.0140 |
| RC 2 | 8/7/2023 | 5.75 | 7.80 | 6.55 | 28.2 | 6.20 | 0.676 | <0.100 | 0.0662 | <0.0300 |
| RC 2 | 12/12/2023 | 21.62 | 7.58 | 7.25 | 8.9 | 6.60 | 0.634 | 0.166 | 0.0448 | <0.0140 |
| RC 2 | 1/10/2024 | 32.58 | 7.56 | 8.81 | 8.3 | 15.2 | 0.816 | 0.511 | 0.0428 | 0.0150 |
| RC 2 | 5/20/2024 | 17.18 | 6.19 | 6.19 | 23.2 | 11.7 | 0.424 | 0.142 | 0.0687 | 0.0160 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.6 - HISTORICAL ANALYTICAL DATA - SME 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 7 | 12/17/2020 | 16.8 | 8.10 | 11.01 | 11.5 | 19.4 | 0.541 | 0.884 | <0.100 | 0.094 |
| SME 7 | 3/18/2021 | 111.0 | 8.93 | 10.25 | 18.3 | 78.2 | 0.407 | 0.429 | 0.270 | 0.093 |
| SME 7 | 5/5/2021 | 8.2 | 6.06 | 8.01 | 18.4 | 36.4 | 1.240 | 1.090 | 0.244 | 0.112 |
| SME 7 | 9/2/2021 | EF | EF | 7.91 | 22.6 | 77.6 | 2.490 | 0.491 | 0.275 | 0.179 |
| SME 7 | 11/23/2021 | <1.0 | 7.78 | 10.45 | 12.2 | <2.50 | <0.250 | 0.367 | 0.516 | 0.472 |
| SME 7 | 1/10/2022 | 19.2 | 7.97 | 10.98 | 11.9 | 34.7 | 0.805 | 0.823 | 0.211 | 0.140 |
| SME 7 | 4/7/2022 | EF | 7.10 | 9.27 | 18.0 | 37.2 | 1.37 | 0.549 | 0.264 | <0.0300 |
| SME 7 | 8/3/2022 | 24.8 | 8.32 | 7.69 | 24.6 | 31.0 | 0.844 | 0.742 | 0.373 | 0.314 |
| SME 7 | 11/16/2022 | 4.9 | 7.87 | 10.30 | 11.1 | 3.8 | <0.250 | 0.424 | 0.528 | 0.490 |
| SME 7 | 2/13/2023 | 34.3 | 7.12 | 11.11 | 11.4 | 36.2 | 1.01 | 0.737 | 0.115 | <0.0300 |
| SME 7 | 5/24/2023 | 38.5 | 7.92 | 8.86 | 18.6 | 21.0 | 0.474 | 0.749 | 0.206 | 0.143 |
| SME 7 | 8/7/2023 | 11.40 | 7.93 | 8.93 | 25.8 | 12.3 | 0.393 | 0.916 | 0.469 | 0.403 |
| SME 7 | 12/12/2023 | 23.45 | 8.01 | 8.85 | 9.6 | 6.80 | 0.262 | 0.584 | 0.748 | 0.705 |
| SME 7 | 1/10/2024 | 194.24 | 7.45 | 8.84 | 9.1 | 183 | 0.548 | 0.729 | 0.470 | 0.320 |
| SME 7 | 5/20/2024 | 10.34 | 7.74 | 8.34 | 21.8 | 13.5 | <0.250 | 0.821 | 0.206 | 0.162 |

NTU - Nephelometric Turbidity Units

EF - meter malfunctioned in field

mg/L - milligrams per liter

NS - Not Sampled

## TABLE B.7 - HISTORICAL ANALYTICAL DATA - SME 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 9 | 4/7/2022 | 5.17 | 7.78 | 9.32 | 17.0 | 2.90 | 0.529 | <0.100 | 0.135 | <0.0300 |
| SME 9 | 8/3/2022 | 9.20 | 8.10 | 7.97 | 25.4 | <2.50 | 0.582 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 11/16/2022 | 2.90 | 7.50 | 9.86 | 12.2 | <2.50 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 2/13/2023 | 10.3 | 7.43 | 11.93 | 10.2 | 2.60 | 0.783 | <0.100 | <0.100 | 0.0900 |
| SME 9 | 5/24/2023 | 16.3 | 8.07 | 11.59 | 21.0 | 59.0 | 0.660 | <0.0500 | <0.0350 | <0.0140 |
| SME 9 | 8/7/2023 | 10.4 | 7.10 | 7.41 | 24.6 | 5.60 | 1.360 | <0.100 | 0.087 | <0.0300 |
| SME 9 | 12/12/2023 | 8.1 | 7.57 | 7.44 | 8.9 | <2.50 | 0.345 | <0.0500 | 0.019 | <0.0140 |
| SME 9 | 1/10/2024 | 15.7 | 7.33 | 8.58 | 8.9 | 4.70 | 1.870 | 0.152 | 0.039 | 0.0160 |
| SME 9 | 5/20/2024 | 1.27 | 7.60 | 6.65 | 23.1 | 2.80 | <0.250 | 0.0897 | 0.0694 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.8 - HISTORICAL ANALYTICAL DATA - SME 10
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 10 | 4/7/2022 | 4.94 | 7.82 | 9.16 | 18.0 | 2.800 | 0.477 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 8/3/2022 | 10.3 | 8.08 | 6.35 | 25.5 | 4.1 | 0.9400 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 11/16/2022 | 9.80 | 7.18 | 8.03 | 12.2 | 4.6 | 0.5160 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 2/13/2023 | 19.1 | 7.32 | 11.34 | 9.7 | 4.00 | 0.773 | 0.185 | <0.100 | <0.0300 |
| SME 10 | 5/24/2023 | 13.4 | 7.42 | 7.50 | 15.5 | 15.0 | 0.349 | 0.143 | 0.0371 | <0.0140 |
| SME 10 | 8/7/2023 | 13.32 | 7.59 | 6.69 | 25.8 | 4.40 | 0.903 | <0.100 | 0.0918 | <0.0300 |
| SME 10 | 12/12/2023 | 18.09 | 7.57 | 5.63 | 10.5 | 10.6 | 0.633 | <0.0500 | 0.0471 | <0.0140 |
| SME 10 | 1/10/2024 | 20.90 | 7.68 | 8.60 | 9.1 | 7.30 | 0.468 | 0.433 | <0.0350 | 0.0170 |
| SME 10 | 5/20/2024 | 8.54 | 7.16 | 5.44 | 23.6 | 10.0 | 0.326 | 0.132 | 0.112 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 3/12/2013 | 8 | 7.04 | 9.85 | 11.45 | 4.7 | 0.78 | 0.34 | <0.10 | 0.032 |
| SS 13 | 5/8/2013 | 10 | 6.68 | 2.94 | 18.75 | 5.7 | 0.72 | 0.36 | <0.10 | <0.050 |
| SS 13 | 9/23/2013 | 12 | 7.04 | 3.38 | 25.31 | 9.6 | 0.84 | <0.10 | <0.10 | 0.028 |
| SS 13 | 12/10/2013 | 12.2 | 6.14 | 10.93 | 8.99 | 5.6 | 0.67 | 0.33 | 0.12 | 0.077 |
| SS 13 | 2/6/2014 | 7.2 | 4.26 | 17.50 | 5.14 | 4.1 | 0.44 | 0.42 | <0.100 | <0.025 |
| SS 13 | 6/26/2014 | 23.2 | 8.33 | 8.09 | 28.44 | 5.4 | 0.52 | <0.100 | 0.12 | <0.025 |
| SS 13 | 9/30/2014 | 12.4 | 7.41 | 4.26 | 24.77 | 12.0 | 0.44 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2014 | 13.4 | 6.31 | 6.08 | 6.44 | 4.8 | 0.40 | 0.22 | <0.100 | 0.044 |
| SS 13 | 3/23/2015 | 15.9 | 7.33 | 8.57 | 15.4 | 7.6 | 0.71 | 0.22 | <0.100 | 0.029 |
| SS 13 | 4/22/2015 | 15.3 | 6.60 | 8.93 | 20.8 | 10.0 | 0.67 | 0.32 | <0.100 | <0.025 |
| SS 13 | 9/30/2015 | 9.5 | 7.33 | 11.54 | 25.95 | 9.0 | 0.52 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2015 | 35.8 | 7.07 | 18.48 | 15.31 | 4.8 | 0.97 | 0.242 | 0.181 | <0.025 |
| SS 13 | 3/15/2016 | 9.1 | 6.61 | 12.42 | 17.37 | 4.7 | <0.25 | 0.323 | <0.100 | <0.025 |
| SS 13 | 6/29/2016 | 9.7 | 7.86 | 6.15 | 30.6 | 9.8 | 0.53 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/9/2016 | 20.3 | 7.77 | 5.92 | 29.1 | 24.0 | 0.73 | <0.100 | <0.100 | <0.025 |
| SS 13 | 12/7/2016 | 4.8 | 7.39 | 6.97 | 12.5 | 3.6 | 0.45 | 0.108 | <0.100 | <0.025 |
| SS 13 | 3/2/2017 | 12.0 | 6.64 | 7.19 | 13.4 | 4.6 | 0.75 | 0.249 | <0.100 | <0.025 |
| SS 13 | 6/21/2017 | 8.7 | 7.54 | 5.82 | 26.1 | 12.8 | 0.82 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/17/2017 | 9.3 | 7.93 | 6.54 | 30.9 | 18.6 | 0.81 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/26/2017 | 5.2 | 6.70 | 7.41 | 15.4 | 7.2 | 0.60 | 0.122 | <0.100 | <0.025 |
| SS 13 | 3/27/2018 | 6.4 | 8.19 | 8.23 | 12.4 | 16.2 | <0.25 | 0.495 | <0.100 | <0.025 |
| SS 13 | 6/26/2018 | 6.8 | 7.36 | 5.67 | 29.5 | 10.2 | 0.998 | <0.100 | 0.140 | <0.025 |
| SS 13 | 8/1/2018 | 24.2 | 6.75 | 6.86 | 21.9 | 20.2 | 1.180 | 0.226 | 0.308 | 0.206 |
| SS 13 | 12/11/2018 | 8.2 | 7.37 | 10.79 | 7.4 | 8.6 | 0.655 | 0.451 | <0.100 | <0.025 |

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 4/17/2019 | 6.4 | 7.42 | 9.23 | 19.1 | 6.8 | 0.624 | <0.100 | <0.100 | <0.025 |
| SS 13 | 6/11/2019 | 8.9 | 6.59 | 3.12 | 23.4 | <6.25 | 0.929 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/28/2019 | 6.7 | 7.93 | 7.33 | 29.7 | 24.4 | 1.170 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/28/2019 | 12.3 | 6.25 | 3.61 | 16.0 | 3.7 | 0.739 | 0.211 | <0.100 | 0.031 |
| SS 13 | 3/31/2020 | 60.4 | 6.95 | 8.64 | 14.9 | 92.0 | 0.928 | 0.233 | 0.147 | 0.0580 |
| SS 13 | 6/10/2020 | 10.1 | 7.27 | 7.08 | 28.2 | 21.2 | 0.492 | <0.100 | <0.100 | <0.030 |
| SS 13 | 9/21/2020 | NS | 7.36 | 6.58 | 21.9 | 7.8 | <0.250 | <0.100 | 0.200 | <0.030 |
| SS 13 | 12/17/2020 | 12.3 | 8.04 | 10.83 | 8.3 | 5.3 | 0.432 | 0.405 | <0.100 | <0.030 |
| SS 13 | 3/18/2021 | 26.8 | 7.61 | 9.23 | 16.9 | 16.5 | 0.926 | 0.163 | <0.100 | <0.030 |
| SS 13 | 5/5/2021 | 0.5 | 7.77 | 8.13 | 18.2 | 10.5 | 1.41 | 7.64 | 0.160 | 0.0960 |
| SS 13 | 9/2/2021 | EF | EF | 8.50 | 28.7 | 13.4 | 1.33 | 0.189 | 0.108 | <0.030 |
| SS 13 | 11/23/2021 | <1.0 | 7.11 | 8.26 | 14.8 | 5.3 | 0.331 | 0.16 | <0.100 | <0.0300 |
| SS 13 | 1/10/2022 | 9.1 | 7.71 | 11.23 | 8.8 | 7.0 | 0.725 | 0.295 | <0.100 | <0.0300 |
| SS 13 | 4/7/2022 | 6.7 | 7.40 | 8.72 | 18.2 | 5.3 | 0.886 | 0.304 | <0.100 | <0.0300 |
| SS 13 | 8/3/2022 | 14.2 | 7.92 | 7.03 | 31.4 | 44.4 | 1.650 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 11/16/2022 | 4.4 | 7.06 | 9.81 | 13.1 | 5.5 | 0.263 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 2/13/2023 | 10.6 | 6.45 | 11.05 | 10.9 | 2.5 | 1.000 | 0.459 | <0.100 | <0.0300 |
| SS 13 | 5/24/2023 | 5.2 | 7.28 | 8.44 | 21.7 | 3.73 | 0.903 | 0.358 | 0.0655 | <0.0140 |
| SS 13 | 8/7/2023 | 4.90 | 7.85 | 9.14 | 31.2 | 4.00 | 0.825 | <0.100 | 0.111 | <0.0300 |
| SS 13 | 12/12/2023 | 14.46 | 7.62 | 8.32 | 12.3 | 5.50 | 0.744 | 0.0980 | 0.0822 | <0.0140 |
| SS 13 | 1/10/2024 | 14.16 | 7.33 | 8.43 | 9.2 | 6.71 | 1.72 | 0.426 | 0.0934 | 0.0570 |
| SS 13 | 5/20/2024 | 9.83 | 7.30 | 8.03 | 28.3 | 32.7 | 0.512 | <0.100 | 0.156 | 0.0320 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 3/12/2013 | 9.7 | 7.40 | 11.23 | 10.93 | 4.7 | 0.77 | 0.40 | 0.11 | 0.087 |
| SS 14 | 5/8/2013 | 10.3 | 6.47 | 2.75 | 16.42 | 5.0 | 0.53 | 0.45 | <0.100 | 0.041 |
| SS 14 | 9/23/2013 | 3.1 | 6.76 | 6.49 | 21.77 | <2.5 | 0.45 | 0.38 | <0.100 | 0.036 |
| SS 14 | 12/10/2013 | 17.6 | 5.63 | 11.33 | 8.56 | 9.2 | 0.66 | 0.28 | 0.19 | 0.160 |
| SS 14 | 2/6/2014 | 12.4 | 4.19 | 17.56 | 5.16 | 14.0 | 0.50 | 0.62 | <0.100 | 0.074 |
| SS 14 | 6/26/2014 | 7.9 | 8.18 | 7.58 | 24.14 | <2.5 | 0.89 | 0.67 | 0.16 | 0.080 |
| SS 14 | 9/30/2014 | 7.9 | 7.42 | 3.67 | 22.35 | 6.1 | 0.52 | <0.100 | <0.100 | 0.031 |
| SS 14 | 11/19/2014 | 16.0 | 6.27 | 7.50 | 5.48 | 9.2 | 0.46 | 0.75 | 0.22 | 0.075 |
| SS 14 | 3/23/2015 | 21.3 | 7.75 | 9.53 | 16.5 | 11.0 | 1.10 | 0.27 | 0.14 | 0.110 |
| SS 14 | 4/22/2015 | 12.3 | 7.43 | 12.29 | 17.5 | 6.3 | 0.58 | 0.620 | <0.100 | <0.025 |
| SS 14 | 9/30/2015 | 7.3 | 7.16 | 12.79 | 24.02 | 6.6 | 0.514 | <0.10 | 0.176 | 0.088 |
| SS 14 | 11/19/2015 | 27.0 | 6.49 | 20.71 | 15.16 | 23.3 | 0.996 | 0.442 | 0.183 | 0.131 |
| SS 14 | 3/15/2016 | 11.3 | 7.18 | 12.11 | 16.01 | 8.1 | 0.834 | 0.50 | <0.100 | 0.056 |
| SS 14 | 6/29/2016 | 6.0 | 7.62 | 3.61 | 27.2 | 6.0 | 0.650 | <0.100 | 0.160 | 0.103 |
| SS 14 | 8/9/2016 | 22.3 | 7.71 | 5.99 | 26.9 | 12.7 | 0.871 | 0.164 | 0.119 | 0.062 |
| SS 14 | 12/7/2016 | 7.6 | 7.27 | 7.72 | 11.9 | <2.5 | 0.705 | 0.885 | 0.147 | 0.078 |
| SS 14 | 3/2/2017 | 12.6 | 7.60 | 8.76 | 12.2 | 9.2 | 0.842 | 0.475 | 0.153 | 0.092 |
| SS 14 | 6/21/2017 | 21.5 | 7.74 | 6.24 | 23.7 | 63.7 | 0.725 | 0.249 | 0.109 | 0.030 |
| SS 14 | 8/17/2017 | 6.0 | 8.12 | 7.11 | 31.4 | 24.8 | 0.827 | 0.118 | <0.100 | 0.070 |
| SS 14 | 10/26/2017 | 4.3 | 7.39 | 7.66 | 13.9 | 3.6 | 0.582 | 0.699 | <0.100 | 0.054 |
| SS 14 | 3/27/2018 | 8.8 | 7.34 | 8.96 | 11.9 | 8.2 | <0.25 | 0.673 | 0.148 | 0.044 |
| SS 14 | 6/26/2018 | 7.7 | 8.47 | 10.65 | 29.3 | 18.7 | 1.010 | 0.206 | 0.148 | 0.044 |
| SS 14 | 8/1/2018 | 42.9 | 6.35 | 7.04 | 22.5 | 60.0 | 0.885 | 0.109 | 0.276 | 0.233 |
| SS 14 | 12/11/2018 | 8.4 | 6.95 | 11.53 | 7.4 | 4.3 | 0.635 | 0.812 | 0.117 | 0.057 |

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 4/17/2019 | 6.6 | 7.60 | 8.28 | 22.1 | 6.7 | 0.414 | 0.598 | <0.100 | 0.042 |
| SS 14 | 6/11/2019 | 12.6 | 6.78 | 3.47 | 23.8 | 5.9 | 0.928 | 0.444 | <0.100 | 0.077 |
| SS 14 | 8/28/2019 | 8.1 | 7.96 | 8.18 | 27.9 | 8.5 | 1.050 | <0.100 | 0.174 | <0.025 |
| SS 14 | 10/28/2019 | 10.9 | 6.97 | 7.83 | 15.1 | 2.7 | 0.381 | 0.458 | 0.167 | 0.048 |
| SS 14 | 3/31/2020 | 62.4 | 6.67 | 9.31 | 15.2 | 145 | 0.934 | 0.190 | 0.348 | 0.235 |
| SS 14 | 6/10/2020 | 17.0 | 7.32 | 7.20 | 29.1 | 40.4 | 0.897 | 0.246 | 0.128 | 0.078 |
| SS 14 | 9/21/2020 | NS | 7.62 | 7.59 | 20.7 | 8.4 | 0.281 | 0.345 | <0.100 | 0.075 |
| SS 14 | 12/17/2020 | 11.4 | 7.94 | 11.72 | 8.6 | 5.4 | 0.540 | 0.546 | <0.100 | 0.050 |
| SS 14 | 3/18/2021 | 31.4 | 7.73 | 9.77 | 16.8 | 19.8 | 0.670 | 0.189 | <0.100 | 0.048 |
| SS 14 | 5/5/2021 | 1.2 | 6.98 | 8.62 | 19.4 | 6.27 | 1.06 | 7.85 | <0.100 | 0.073 |
| SS 14 | 9/2/2021 | EF | EF | 7.80 | 26.3 | 3.0 | 0.935 | 0.552 | 0.128 | 0.980 |
| SS 14 | 11/23/2021 | <1.0 | 7.46 | 10.28 | 12.7 | 2.6 | 0.370 | 0.315 | 0.178 | 0.108 |
| SS 14 | 1/10/2022 | 9.8 | 7.12 | 11.84 | 8.8 | 4.4 | 0.674 | 0.385 | 0.136 | 0.068 |
| SS 14 | 4/7/2022 | 4.4 | 6.82 | 9.83 | 17.8 | 2.9 | 0.566 | 0.402 | <0.100 | 0.033 |
| SS 14 | 8/3/2022 | 10.0 | 8.03 | 7.77 | 30.2 | 6.5 | 0.723 | 0.176 | 0.123 | <0.0300 |
| SS 14 | 11/16/2022 | 4.3 | 7.37 | 9.76 | 10.8 | 2.5 | 0.406 | <0.100 | <0.100 | 0.039 |
| SS 14 | 2/13/2023 | 12.0 | 6.82 | 11.64 | 10.8 | 4.3 | 0.749 | 0.501 | <0.100 | 0.052 |
| SS 14 | 5/24/2023 | 4.6 | 7.65 | 9.57 | 21.3 | 4.40 | 0.506 | 0.528 | 0.102 | 0.0440 |
| SS 14 | 8/7/2023 | 6.56 | 8.02 | 10.73 | 31.6 | 8.20 | 0.903 | <0.100 | 0.124 | 0.032 |
| SS 14 | 12/12/2023 | 10.06 | 7.66 | 8.00 | 8.1 | <2.50 | 0.573 | 0.352 | 0.0890 | 0.0410 |
| SS 14 | 1/10/2024 | 25.10 | 7.40 | 8.91 | 9.0 | 9.60 | 1.08 | 0.693 | 0.117 | 0.0870 |
| SS 14 | 5/20/2024 | 10.78 | 7.80 | 10.12 | 26.7 | 7.67 | 0.487 | 0.213 | 0.121 | 0.0210 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 3/13/2013 | 11.6 | 8.33 | 9.29 | 10.20 | 9.6 | 0.34 | 0.26 | <0.10 | <0.025 |
| GD 5 | 5/20/2013 | 14.0 | 8.28 | 7.76 | 22.60 | 9.0 | 0.62 | <0.100 | <0.10 | <0.025 |
| GD 5 | 9/23/2013 | 11.5 | 7.67 | 6.78 | 27.10 | 8.0 | 0.45 | <0.100 | <0.10 | 0.027 |
| GD 5 | 12/10/2013 | 57.9 | 7.97 | 9.10 | 9.10 | 18.0 | 0.47 | 0.10 | 0.10 | 0.088 |
| GD 5 | 2/6/2014 | 45.9 | 7.14 | 9.88 | 7.20 | 17.0 | 0.37 | 0.17 | <0.100 | 0.038 |
| GD 5 | 6/26/2014 | 17.0 | 7.90 | 6.54 | NS | 12.0 | 0.34 | <0.100 | <0.100 | <0.025 |
| GD 5 | 9/30/2014 | 22.5 | 8.28 | 7.53 | 25.22 | 18.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| GD 5 | 11/19/2014 | 42.9 | 8.15 | 9.30 | 9.40 | 26.0 | 0.43 | 0.11 | <0.100 | 0.051 |
| GD 5 | 3/23/2015 | 24.0 | 8.14 | 8.58 | 15.90 | 15.0 | 0.34 | 0.12 | <0.100 | <0.025 |
| GD 5 | 4/22/2015 | 25.0 | 7.81 | 7.78 | 21.70 | 13.0 | 0.65 | 0.14 | <0.100 | <0.025 |
| GD 5 | 9/30/2015 | 18.0 | 8.03 | 6.27 | 26.30 | 17.3 | 0.557 | <0.100 | 0.115 | <0.025 |
| GD 5 | 11/19/2015 | 90.0 | 7.63 | 7.34 | 16.60 | 42.8 | <0.250 | 0.168 | <0.100 | 0.042 |
| GD 5 | 3/15/2016 | 23.7 | 8.80 | 7.47 | 19.40 | 13.2 | 0.435 | <0.100 | <0.100 | <0.025 |
| GD 5 | 6/29/2016 | 21.0 | 8.02 | 2.27 | 30.37 | 15.0 | 0.490 | <0.100 | <0.100 | 0.074 |
| GD 5 | 8/9/2016 | 11.8 | 8.25 | 5.55 | 30.20 | 11.0 | 0.412 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/7/2016 | 10.0 | 7.73 | 10.61 | 11.96 | 6.8 | 0.337 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/2/2017 | 12.3 | 7.81 | 4.49 | 14.26 | 13.0 | 0.491 | 0.118 | <0.100 | <0.025 |
| GD 5 | 7/5/2017 | 15.0 | 7.32 | 5.83 | 26.9 | 22.7 | 0.730 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/16/2017 | 8.0 | 7.89 | 6.22 | 28.0 | 9.0 | 0.404 | <0.100 | <0.100 | <0.025 |
| GD 5 | 10/25/2017 | 9.2 | 7.36 | 7.35 | 18.7 | 14.6 | 0.347 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/28/2018 | 6.1 | 8.18 | 9.47 | 18.5 | 6.06 | <0.250 | 0.127 | <0.100 | <0.025 |
| GD 5 | 6/29/2018 | 16.3 | 7.76 | 5.66 | 27.5 | 19.60 | 0.689 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/2/2018 | 18.4 | 7.59 | 6.02 | 25.7 | 26.40 | 0.332 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/10/2018 | 37.7 | 7.87 | 11.30 | 7.3 | 22.3 | 0.523 | <0.100 | 0.190 | <0.025 |

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 4/15/2019 | 29.7 | 7.69 | 8.02 | 19.3 | 29.0 | 0.411 | 0.128 | 1.20 | <0.025 |
| GD 5 | 6/12/2019 | 6.0 | 8.02 | 7.64 | 27.2 | 9.3 | <0.250 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/27/2019 | 75.2 | 7.15 | 7.98 | 28.7 | 10.9 | 0.506 | <0.100 | 0.165 | <0.025 |
| GD 5 | 10/29/2019 | 29.0 | 7.85 | 9.42 | 17.8 | 21.0 | 0.477 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/30/2020 | 14.5 | 7.65 | 8.86 | 19.1 | 12.1 | 0.320 | 0.130 | <0.100 | <0.025 |
| GD 5 | 6/16/2020 | 16.4 | 7.69 | 7.75 | 27.2 | 7.4 | 0.561 | <0.100 | <0.100 | <0.030 |
| GD 5 | 9/21/2020 | 10.8 | 7.65 | 6.33 | 23.2 | 7.9 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 5 | 12/17/2020 | 28.7 | 7.62 | 9.96 | 9.7 | 19.8 | 0.422 | 0.122 | 0.113 | <0.030 |
| GD 5 | 3/18/2021 | 3.4 | 7.15 | 8.98 | 16.9 | 30.6 | 0.600 | 0.127 | <0.100 | <0.030 |
| GD 5 | 5/5/2021 | 36.10 | 7.84 | 7.74 | 19.8 | 36.8 | <0.250 | 0.204 | <0.100 | <0.030 |
| GD 5 | 9/2/2021 | 10.28 | 7.84 | 6.90 | 26.5 | 16.1 | 0.510 | <0.100 | <0.100 | <0.030 |
| GD 5 | 11/23/2021 | 27.7 | 7.70 | 10.54 | 11.3 | 8.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 1/11/2022 | 26.8 | 7.28 | 12.25 | 10.1 | 12.1 | 0.510 | 0.300 | <0.10 | <0.0300 |
| GD 5 | 4/7/2022 | 16.4 | 7.72 | 9.32 | 17.2 | 14.4 | 0.300 | 0.157 | <0.100 | <0.0300 |
| GD 5 | 8/2/2022 | 13.0 | 7.86 | 6.60 | 29.1 | 6.4 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 11/16/2022 | 7.0 | 7.75 | 9.56 | 13.4 | 8.7 | 0.312 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 2/14/2023 | 18.8 | 7.18 | 10.85 | 11.4 | 11.5 | 0.606 | 0.255 | <0.100 | <0.0300 |
| GD 5 | 5/25/2023 | 5.1 | 8.15 | 9.33 | 24.3 | 10.0 | 0.528 | 0.0534 | 0.0462 | 0.0250 |
| GD 5 | 8/7/2023 | 3.0 | 7.36 | 6.27 | 29.5 | 7.54 | 0.499 | <0.100 | 0.103 | <0.0300 |
| GD 5 | 12/12/2023 | 13.5 | 7.32 | 8.45 | 10.3 | 11.3 | 0.468 | 0.0820 | <0.0350 | <0.0140 |
| GD 5 | 1/10/2024 | 53.3 | 7.32 | 8.56 | 8.4 | 32.0 | 0.424 | 0.118 | 0.0681 | 0.0450 |
| GD 5 | 5/21/2024 | 11.01 | 7.75 | 9.12 | 24.8 | 8.93 | 0.443 | 0.131 | 0.0614 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 3/12/2013 | 33.3 | 7.54 | 9.48 | 13.90 | 49.0 | 0.83 | 0.19 | <0.100 | 0.081 |
| HB 3 | 5/20/2013 | 14.5 | 8.21 | 6.82 | 27.80 | 17.0 | 0.60 | 0.17 | <0.100 | <0.025 |
| HB 3 | 9/23/2013 | 21.3 | 8.02 | 4.89 | 25.70 | 19.0 | 0.60 | <0.100 | <0.100 | 0.037 |
| HB 3 | 12/10/2013 | 48.4 | 7.90 | 8.65 | 10.10 | 20.0 | 0.62 | <0.100 | 0.15 | 0.140 |
| HB 3 | 2/6/2014 | 32.0 | 7.22 | 12.24 | 5.90 | 13.0 | 0.37 | 0.48 | <0.100 | 0.030 |
| HB 3 | 6/26/2014 | 12.0 | 8.20 | 7.12 | NS | 12.0 | 0.37 | <0.100 | <0.100 | <0.025 |
| HB 3 | 9/30/2014 | 29.5 | 8.05 | 6.01 | 24.78 | 30.0 | 0.48 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2014 | 56.1 | 7.85 | 8.83 | 8.80 | 51.0 | 0.44 | 0.11 | 0.12 | 0.098 |
| HB 3 | 3/23/2015 | 27.0 | 8.21 | 8.40 | 24.20 | 35.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| HB 3 | 4/22/2015 | 25.0 | 7.91 | 8.36 | 21.90 | 22.0 | 0.66 | 0.20 | <0.100 | <0.025 |
| HB 3 | 9/30/2015 | 22.0 | 7.89 | 5.05 | 25.70 | 23.0 | 0.91 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2015 | 32.0 | 7.83 | 7.37 | 17.40 | 30.2 | <0.25 | 0.377 | <0.100 | 0.045 |
| HB 3 | 3/15/2016 | 28.8 | 8.52 | 7.97 | 19.10 | 23.8 | <0.25 | 0.295 | <0.100 | 0.087 |
| HB 3 | 6/29/2016 | 17.3 | 8.02 | 2.77 | 30.61 | 20.9 | 0.51 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/9/2016 | 11.3 | 7.91 | 4.31 | 30.19 | 14.3 | 0.703 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/7/2016 | 16.0 | 7.93 | 8.44 | 12.81 | 17.0 | 0.730 | 0.111 | 0.126 | <0.025 |
| HB 3 | 3/2/2017 | 50.0 | 7.75 | 3.90 | 14.33 | 57.1 | 0.969 | 0.334 | 0.115 | <0.025 |
| HB 3 | 7/5/2017 | 23.1 | 7.29 | 5.36 | 27.00 | 28.5 | 0.812 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/16/2017 | 13.7 | 7.35 | 5.04 | 27.00 | 12.7 | 0.763 | <0.100 | <0.100 | <0.025 |
| HB 3 | 10/25/2017 | 11.7 | 6.64 | 9.93 | 18.5 | 20.4 | 0.322 | <0.100 | <0.100 | <0.025 |
| HB 3 | 3/28/2018 | 13.2 | 7.99 | 9.47 | 17.6 | 20.2 | <0.25 | 0.359 | <0.100 | <0.025 |
| HB 3 | 6/29/2018 | 14.6 | 7.67 | 5.55 | 26.0 | 18.2 | 0.464 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/2/2018 | 28.3 | 7.40 | 5.64 | 25.1 | 35.3 | 0.952 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/10/2018 | 24.8 | 7.55 | 10.98 | 7.9 | 27.6 | 0.426 | 0.363 | 0.141 | <0.025 |

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 4/15/2019 | 22.4 | 7.73 | 8.27 | 19.6 | 35.5 | <0.250 | 0.233 | <0.100 | <0.025 |
| HB 3 | 6/12/2019 | 12.4 | 8.13 | 6.77 | 26.6 | 52.3 | <0.250 | 0.129 | <0.100 | <0.025 |
| HB 3 | 8/27/2019 | 78.1 | 8.21 | 8.75 | 29.1 | 7.30 | 0.634 | <0.100 | 0.179 | <0.025 |
| HB 3 | 10/29/2019 | 28.2 | 7.82 | 9.88 | 18.3 | 17.6 | 0.517 | <0.100 | 0.166 | <0.025 |
| HB 3 | 3/30/2020 | 8.9 | 7.79 | 8.91 | 18.5 | 18.4 | 1.20 | 0.234 | <0.100 | <0.025 |
| HB 3 | 6/16/2020 | 20.4 | 7.33 | 7.01 | 26.3 | 14.6 | 0.30 | <0.100 | <0.100 | <0.030 |
| HB 3 | 9/21/2020 | 12.1 | 7.80 | 7.69 | 23.5 | 8.30 | 0.28 | <0.100 | <0.100 | <0.030 |
| HB 3 | 12/17/2020 | 31.16 | 8.07 | 9.94 | 9.1 | 20.4 | 0.588 | 0.195 | <0.100 | <0.030 |
| HB 3 | 3/18/2021 | 1.80 | 7.47 | 9.62 | 16.0 | 23.0 | 0.252 | 0.369 | <0.100 | <0.030 |
| HB 3 | 5/5/2021 | 28.31 | 7.50 | 7.71 | 22.0 | 35.1 | <0.250 | 0.207 | <0.100 | <0.030 |
| HB 3 | 9/2/2021 | 19.2 | 7.61 | 5.30 | 27.4 | 23.6 | 0.689 | <0.100 | <0.100 | <0.030 |
| HB 3 | 11/23/2021 | 51.55 | 7.15 | 10.59 | 11.2 | 10.5 | <0.250 | 0.137 | <0.100 | <0.0300 |
| HB 3 | 1/11/2022 | 26.9 | 7.75 | 11.26 | 12.8 | 23.6 | 0.550 | 0.200 | <0.10 | <0.0300 |
| HB 3 | 4/7/2022 | 27.8 | 7.61 | 9.40 | 18.1 | 21.0 | 0.329 | 0.268 | <0.100 | <0.0300 |
| HB 3 | 8/2/2022 | 31.2 | 8.05 | 5.89 | 28.9 | 33.7 | 0.273 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 11/16/2022 | 10.7 | 7.71 | 9.53 | 12.9 | 7.4 | 0.604 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 2/14/2023 | 15.0 | 7.25 | 11.10 | 11.7 | 11.6 | 0.471 | 0.414 | <0.100 | <0.0300 |
| HB 3 | 5/25/2023 | 14.0 | 7.92 | 8.75 | 24.1 | 21.7 | 0.502 | 0.0574 | 0.0588 | <0.0140 |
| HB 3 | 8/7/2023 | 10.9 | 7.49 | 6.16 | 29.3 | 6.80 | 0.578 | <0.100 | 0.0895 | <0.0300 |
| HB 3 | 12/12/2023 | 41.3 | 7.71 | 8.45 | 10.6 | 36.8 | 0.383 | 0.126 | 0.0444 | <0.0140 |
| HB 3 | 1/10/2024 | 30.5 | 7.74 | 9.14 | 8.5 | 31.7 | 0.305 | 0.354 | 0.0752 | 0.0250 |
| HB 3 | 5/21/2024 | 36.86 | 7.51 | 8.92 | 24.2 | 28.6 | 0.357 | 0.0799 | 0.0557 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 3/12/2013 | 28.3 | 8.23 | 7.53 | 10.3 | 21.0 | 0.61 | <0.100 | <0.100 | 0.088 |
| RC 14 | 5/8/2013 | 29.5 | 6.72 | 1.78 | 21.4 | 16.0 | 0.63 | 0.14 | <0.100 | <0.12 |
| RC 14 | 9/23/2013 | 18.4 | 7.86 | 6.68 | 24.7 | 13.0 | 0.58 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/10/2013 | 40.0 | 8.45 | 9.50 | 8.2 | 16.0 | 0.69 | <0.100 | 0.11 | 0.100 |
| RC 14 | 2/6/2014 | 66.6 | 7.15 | 10.94 | 4.9 | 18.0 | 0.70 | 0.16 | 0.11 | 0.036 |
| RC 14 | 6/26/2014 | 6.2 | 8.21 | 6.30 | NS | 5.9 | 0.39 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/30/2014 | 12.4 | 7.20 | 6.20 | 23.5 | 12.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/19/2014 | 50.3 | 8.20 | 10.10 | 7.5 | 28.0 | 0.52 | <0.100 | 0.13 | 0.085 |
| RC 14 | 3/23/2015 | 70.0 | 8.03 | 7.80 | 18.2 | 34.0 | 1.10 | 0.26 | <0.100 | 0.070 |
| RC 14 | 4/22/2015 | 30.0 | 7.77 | 7.25 | 18.1 | 15.0 | 0.40 | 0.20 | <0.100 | <0.025 |
| RC 14 | 9/30/2015 | 17.0 | 8.28 | 5.63 | 24.4 | 12.6 | 0.454 | <0.100 | <0.100 | <0.025 |
| RC 14 | 11/19/2015 | 95.0 | 7.32 | 6.07 | 17.71 | 36.0 | 0.633 | 0.137 | 0.135 | <0.025 |
| RC 14 | 3/15/2016 | 85.0 | 8.13 | 7.73 | 18.5 | 69.6 | 0.434 | 0.106 | 0.304 | <0.025 |
| RC 14 | 6/29/2016 | 17.2 | 7.58 | 2.17 | 28.53 | 17.5 | 0.460 | <0.100 | <0.100 | 0.037 |
| RC 14 | 8/9/2016 | 10.4 | 7.05 | 2.35 | 28.53 | 8.5 | 0.547 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/7/2016 | 7.9 | 7.21 | 6.47 | 11.62 | 8.6 | 0.252 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/2/2017 | 18.0 | 7.32 | 3.55 | 12.69 | 14.6 | 0.608 | 0.12 | <0.100 | <0.025 |
| RC 14 | 7/5/2017 | 17.7 | 7.55 | 6.56 | 25.7 | 35.0 | 0.357 | 0.279 | <0.100 | 0.041 |
| RC 14 | 8/16/2017 | 9.8 | 7.72 | 5.54 | 26.7 | 12.4 | 0.400 | 0.21 | <0.100 | 0.042 |
| RC 14 | 10/25/2017 | 18.7 | 7.64 | 7.26 | 17.1 | 27.2 | 0.465 | 0.24 | 0.149 | 0.088 |
| RC 14 | 3/28/2018 | 9.9 | 8.03 | 9.00 | 18.3 | 10.9 | <0.25 | 0.148 | <0.100 | <0.025 |
| RC 14 | 6/29/2018 | 12.9 | 7.64 | 5.89 | 27.1 | 13.8 | 0.722 | <0.100 | <0.100 | <0.025 |
| RC 14 | 8/2/2018 | 21.7 | 7.30 | 5.56 | 23.7 | 17.3 | 0.848 | <0.100 | <0.100 | 0.055 |
| RC 14 | 12/10/2018 | 35.1 | 7.13 | 10.63 | 7.3 | 16.9 | 1.400 | <0.100 | 0.169 | 0.038 |

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 4/15/2019 | 45.8 | 7.68 | 7.67 | 19.5 | 36.0 | 0.403 | 0.108 | <0.100 | <0.025 |
| RC 14 | 6/12/2019 | 11.0 | 8.03 | 7.39 | 25.3 | 12.3 | 0.250 | 0.120 | <0.100 | <0.025 |
| RC 14 | 8/27/2019 | 76.4 | 8.36 | 8.78 | 28.4 | 8.8 | 0.391 | <0.100 | 0.141 | <0.025 |
| RC 14 | 10/29/2019 | 17.4 | 7.90 | 9.83 | 17.7 | 10.6 | 0.478 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/30/2020 | 12.9 | 8.10 | 10.01 | 21.9 | 15.7 | 0.451 | <0.100 | <0.100 | <0.025 |
| RC 14 | 6/16/2020 | 11.5 | 6.79 | 8.01 | 26.9 | 11.4 | 0.560 | 0.141 | <0.100 | <0.030 |
| RC 14 | 9/21/2020 | 13.7 | 7.49 | 9.65 | 21.9 | 8.2 | 0.307 | <0.100 | 0.202 | <0.030 |
| RC 14 | 12/17/2020 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 3/18/2021 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 5/5/2021 | 33.45 | 7.68 | 7.99 | 20.9 | 30.4 | 0.566 | <0.100 | <0.100 | <0.030 |
| RC 14 | 9/2/2021 | 16.75 | 7.87 | 7.11 | 25.7 | 23.2 | 0.350 | 0.210 | <0.100 | 0.040 |
| RC 14 | 11/23/2021 | 24.6 | 7.96 | 10.57 | 13.3 | 40.2 | <0.250 | <0.100 | 0.103 | <0.0300 |
| RC 14 | 1/11/2022 | 66.4 | 7.40 | 11.82 | 10.4 | 20.6 | 1.500 | 0.170 | <0.10 | <0.0300 |
| RC 14 | 4/7/2022 | 99.0 | 7.76 | 8.27 | 17.6 | 178 | 0.548 | <0.100 | 0.101 | <0.0300 |
| RC 14 | 8/2/2022 | 12.9 | 8.29 | 7.67 | 30.2 | 11.1 | 0.332 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 11/16/2022 | 6.8 | 7.79 | 9.06 | 12.4 | 9.2 | <0.250 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 2/14/2023 | 36.9 | 6.92 | 10.48 | 12.2 | 17.9 | 0.423 | 0.107 | <0.100 | <0.0300 |
| RC 14 | 5/25/2023 | 16.0 | 7.41 | 8.75 | 26.4 | 17.2 | 0.945 | <0.0500 | 0.0850 | <0.0140 |
| RC 14 | 8/7/2023 | 19.1 | 7.20 | 6.63 | 29.1 | 15.0 | 0.604 | <0.100 | 0.150 | 0.0360 |
| RC 14 | 12/12/2023 | 19.8 | 7.64 | 8.64 | 9.8 | 38.2 | 0.451 | <0.0500 | 0.0358 | <0.0140 |
| RC 14 | 1/10/2024 | 46.4 | 6.97 | 8.53 | 8.1 | 50.0 | 0.785 | 0.294 | 0.117 | 0.0420 |
| RC 14 | 5/21/2024 | 13.89 | 7.91 | 10.48 | 27.1 | 8.40 | 0.667 | <0.100 | 0.0795 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 3/12/2013 | 13.1 | 8.19 | 8.26 | 13.10 | 16.0 | 0.34 | 0.54 | 0.11 | 0.110 |
| SME 1 | 5/8/2013 | 24.0 | 7.64 | 8.96 | 16.00 | 14.0 | 0.42 | 0.15 | <0.100 | 0.063 |
| SME 1 | 9/23/2013 | 14.2 | 8.26 | 7.87 | 27.70 | 15.0 | 0.80 | <0.100 | <0.100 | 0.053 |
| SME 1 | 12/10/2013 | 46.3 | 8.05 | 9.15 | 7.60 | 21.0 | 0.47 | 0.55 | 0.26 | 0.210 |
| SME 1 | 2/6/2014 | 61.0 | 7.22 | 11.34 | 5.90 | 23.0 | 0.50 | 0.55 | 0.13 | 0.110 |
| SME 1 | 6/26/2014 | 14.0 | 8.49 | 7.05 | NS | 13.0 | 0.31 | <0.100 | <0.100 | <0.025 |
| SME 1 | 9/30/2014 | 27.6 | 8.25 | 7.46 | 24.67 | 34.0 | 0.61 | <0.100 | 0.11 | 0.044 |
| SME 1 | 11/19/2014 | 40.1 | 8.31 | 10.86 | 7.80 | 19.0 | 0.55 | 0.74 | 0.29 | 0.270 |
| SME 1 | 3/23/2015 | 21.0 | 8.26 | 8.52 | 17.30 | 14.0 | <0.250 | 0.51 | 0.10 | 0.073 |
| SME 1 | 4/22/2015 | 29.0 | 7.14 | 7.97 | 18.50 | 18.0 | 0.38 | 0.40 | <0.100 | 0.039 |
| SME 1 | 9/30/2015 | 15.0 | 8.34 | 7.03 | 26.40 | 15.3 | 0.807 | <0.100 | 0.135 | 0.052 |
| SME 1 | 11/19/2015 | 50.0 | 7.92 | 7.04 | 15.90 | 23.2 | <0.250 | 0.401 | 0.134 | 0.084 |
| SME 1 | 3/15/2016 | 26.2 | 8.44 | 7.21 | 18.30 | 17.7 | <0.250 | 0.454 | <0.100 | 0.047 |
| SME 1 | 6/29/2016 | 21.2 | 8.80 | 3.29 | 30.67 | 20.3 | 0.620 | <0.100 | 0.245 | 0.180 |
| SME 1 | 8/9/2016 | 15.3 | 8.55 | 4.98 | 28.87 | 12.6 | 0.547 | <0.100 | 0.154 | 0.089 |
| SME 1 | 12/7/2016 | 31.0 | 7.96 | 10.20 | 11.98 | 17.7 | 0.378 | 0.413 | 0.271 | 0.209 |
| SME 1 | 3/2/2017 | 14.0 | 7.75 | 4.31 | 12.34 | 15.0 | 0.345 | 0.671 | 0.208 | 0.127 |
| SME 1 | 6/29/2017 | 19.2 | 9.11 | 9.21 | 25.8 | 18.3 | 0.530 | <0.100 | 0.000 | 0.028 |
| SME 1 | 8/16/2017 | 10.6 | 8.12 | 6.58 | 29.7 | 12.7 | 0.520 | <0.100 | 0.111 | <0.025 |
| SME 1 | 10/25/2017 | 5.4 | 8.02 | 8.32 | 17.3 | 16.9 | 0.288 | 0.368 | 0.151 | 0.121 |
| SME 1 | 3/28/2018 | 19.3 | 8.10 | 9.18 | 17.6 | 19.8 | <0.250 | 0.633 | 0.000 | 0.106 |
| SME 1 | 6/29/2018 | 20.7 | 7.84 | 6.37 | 26.2 | 23.3 | 0.670 | 0.312 | 0.241 | 0.121 |
| SME 1 | 8/2/2018 | 28.5 | 7.48 | 5.82 | 23.9 | 29.5 | 0.495 | 0.296 | 0.136 | 0.145 |
| SME 1 | 12/10/2018 | 32.0 | 7.45 | 11.48 | 8.0 | 31.0 | 0.336 | 0.259 | <0.100 | <0.025 |

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 4/15/2019 | 42.2 | 7.89 | 7.89 | 19.7 | 35.0 | 0.360 | 0.390 | <0.100 | 0.063 |
| SME 1 | 6/12/2019 | 12.2 | 7.34 | 8.73 | 27.2 | 9.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 1 | 8/27/2019 | 135.2 | 7.45 | 8.51 | 28.8 | 7.1 | 0.356 | <0.100 | 0.161 | <0.025 |
| SME 1 | 10/29/2019 | 14.5 | 7.95 | 9.21 | 17.6 | 11.0 | 0.272 | 0.129 | 0.134 | 0.049 |
| SME 1 | 3/30/2020 | 13.3 | 7.35 | 8.61 | 19.3 | 13.3 | <0.250 | 0.462 | <0.100 | <0.025 |
| SME 1 | 6/16/2020 | 11.6 | 8.58 | 10.36 | 27.0 | 11.4 | 0.485 | <0.100 | 0.129 | 0.031 |
| SME 1 | 9/21/2020 | 13.8 | 7.71 | 6.92 | 22.2 | 9.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| SME 1 | 12/17/2020 | 23.19 | 7.66 | 10.68 | 9.2 | 20.9 | 0.300 | 0.577 | <0.100 | 0.072 |
| SME 1 | 3/18/2021 | 14.10 | 7.24 | 9.54 | 15.7 | 90.4 | 0.580 | 0.263 | <0.100 | 0.112 |
| SME 1 | 5/5/2021 | 28.83 | 7.43 | 8.53 | 20.1 | 34.0 | 0.402 | 0.122 | <0.100 | <0.030 |
| SME 1 | 9/2/2021 | 23.89 | 7.80 | 6.93 | 25.8 | 35.8 | 0.353 | 0.458 | 0.218 | 0.190 |
| SME 1 | 11/23/2021 | 18.42 | 7.91 | 11.34 | 12.4 | 12.7 | <0.250 | <0.100 | 0.165 | 0.076 |
| SME 1 | 1/11/2022 | 161.2 | 7.55 | 11.29 | 10.2 | 17.0 | 1.800 | 8.200 | <0.10 | 0.054 |
| SME 1 | 4/7/2022 | 112.9 | 7.65 | 9.26 | 17.2 | 140 | 0.544 | 0.431 | 0.255 | 0.192 |
| SME 1 | 8/2/2022 | 12.0 | 8.10 | 7.98 | 29.2 | 6.3 | 0.281 | <0.100 | <0.100 | <0.0300 |
| SME 1 | 11/16/2022 | 5.78 | 7.86 | 9.45 | 14.3 | 7.9 | 0.306 | <0.100 | <0.100 | <0.0300 |
| SME 1 | 2/14/2023 | 15.5 | 7.26 | 11.23 | 11.0 | 11.3 | 0.281 | 0.372 | <0.100 | <0.0300 |
| SME 1 | 5/25/2023 | 6.6 | 8.38 | 10.64 | 24.5 | 10.6 | 0.694 | <0.0500 | 0.0961 | 0.0430 |
| SME 1 | 8/7/2023 | 11.7 | 8.01 | 7.58 | 30.2 | 13.9 | 0.552 | <0.100 | 0.170 | 0.0670 |
| SME 1 | 12/12/2023 | 17.2 | 7.36 | 8.99 | 9.2 | 10.4 | 0.434 | 0.172 | 0.262 | 0.219 |
| SME 1 | 1/10/2024 | 60.2 | 7.27 | 9.03 | 7.9 | 53.0 | 0.542 | 0.511 | 0.264 | 0.224 |
| SME 1 | 5/21/2024 | 22.21 | 8.21 | 11.59 | 25.8 | 14.6 | 0.597 | <0.100 | 0.112 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 3/13/2013 | 17.1 | 7.84 | 7.44 | 11.30 | 15.0 | 0.69 | 0.20 | <0.100 | 0.038 |
| SME 3 | 5/20/2013 | 18.5 | 8.11 | 6.09 | 23.60 | 19.0 | 0.69 | 0.17 | <0.100 | 0.028 |
| SME 3 | 9/23/2013 | 15.3 | EF | 5.32 | 26.50 | 13.0 | 0.53 | <0.100 | <0.100 | 0.029 |
| SME 3 | 12/10/2013 | 48.3 | 7.69 | 8.85 | 9.60 | 20.0 | 0.62 | <0.100 | <0.100 | 0.086 |
| SME 3 | 2/6/2014 | 82.7 | 7.09 | 10.62 | 6.30 | 33.0 | 0.69 | 0.25 | <0.100 | <0.025 |
| SME 3 | 6/26/2014 | 50.0 | 8.04 | 7.03 | NS | 30.0 | 0.53 | <0.100 | <0.100 | 0.047 |
| SME 3 | 9/30/2014 | 17.3 | 8.08 | 5.98 | 25.33 | 18.0 | 0.66 | <0.100 | <0.100 | <0.025 |
| SME 3 | 11/19/2014 | 22.4 | 8.30 | 10.40 | 9.30 | 19.0 | <0.250 | 0.12 | <0.100 | 0.035 |
| SME 3 | 3/23/2015 | 25.0 | 8.13 | 7.72 | 21.20 | 16.0 | 0.46 | 0.24 | <0.100 | 0.026 |
| SME 3 | 4/22/2015 | 12.0 | 7.76 | 6.70 | 21.80 | 14.0 | 0.45 | 0.15 | <0.100 | <0.025 |
| SME 3 | 9/30/2015 | 18.0 | 7.96 | 6.19 | 25.60 | 24.4 | 0.42 | 0.125 | 0.129 | <0.025 |
| SME 3 | 11/19/2015 | 65.0 | 7.56 | 7.44 | 15.80 | 37.8 | <0.250 | 0.253 | <0.100 | 0.032 |
| SME 3 | 3/15/2016 | 68.4 | 8.35 | 7.51 | 19.20 | 78.8 | <0.250 | 0.295 | <0.100 | <0.025 |
| SME 3 | 6/29/2016 | 17.7 | 7.80 | 2.56 | 30.16 | 15.3 | 0.37 | <0.100 | <0.100 | 0.062 |
| SME 3 | 8/9/2016 | 14.8 | 7.52 | 3.43 | 29.53 | 10.8 | 0.564 | <0.100 | <0.100 | <0.025 |
| SME 3 | 12/7/2016 | 8.5 | 7.90 | 10.91 | 11.85 | 9.4 | 1.780 | <0.100 | 0.147 | <0.025 |
| SME 3 | 3/2/2017 | 14.6 | 7.95 | 4.60 | 13.64 | 17.0 | 0.733 | 0.272 | <0.100 | <0.025 |
| SME 3 | 7/5/2017 | 12.5 | 7.54 | 5.88 | 27.3 | 16.3 | 0.628 | <0.100 | <0.100 | 0.039 |
| SME 3 | 8/16/2017 | 11.5 | 7.86 | 5.00 | 28.1 | 18.5 | 0.446 | <0.100 | <0.100 | 0.07 |
| SME 3 | 10/25/2017 | 15.3 | 7.42 | 8.23 | 19.4 | 49.7 | 0.376 | <0.100 | 0.106 | 0.053 |
| SME 3 | 3/28/2018 | 8.9 | 7.98 | 9.44 | 17.4 | 11.2 | <0.250 | 0.220 | <0.100 | <0.025 |
| SME 3 | 6/29/2018 | 15.8 | 7.53 | 5.39 | 26.9 | 115.0 | 0.800 | <0.100 | <0.100 | <0.025 |
| SME 3 | 8/2/2018 | 30.0 | 7.59 | 5.66 | 26.4 | 56.0 | 0.981 | <0.100 | 0.108 | <0.025 |
| SME 3 | 12/10/2018 | 33.1 | 7.21 | 10.68 | 7.0 | 27.1 | 0.433 | <0.100 | 0.127 | <0.025 |

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 4/15/2019 | 552.6 | 7.78 | 7.65 | 19.7 | 371 | 0.271 | 0.234 | 0.285 | <0.025 |
| SME 3 | 6/12/2019 | 7.8 | 7.48 | 6.87 | 27.1 | 10.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 3 | 8/27/2019 | 55.3 | 7.91 | 8.41 | 29.2 | 7.0 | 0.389 | <0.100 | 0.149 | <0.025 |
| SME 3 | 10/29/2019 | 22.4 | 7.77 | 8.44 | 17.2 | 15.4 | 0.390 | <0.100 | <0.100 | <0.025 |
| SME 3 | 3/30/2020 | 14.4 | 7.51 | 8.91 | 18.8 | 18.2 | 0.657 | 0.239 | <0.100 | <0.025 |
| SME 3 | 6/16/2020 | 9.2 | 8.06 | 7.95 | 27.1 | 10.1 | 0.466 | <0.100 | 0.102 | <0.030 |
| SME 3 | 9/21/2020 | 15.3 | 7.67 | 6.50 | 23.0 | 10.7 | 0.660 | <0.100 | <0.100 | <0.030 |
| SME 3 | 12/17/2020 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 3/18/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 5/5/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 9/2/2021 | 102.33 | 7.75 | 5.64 | 26.3 | 267 | 1.24 | <0.100 | 0.234 | 0.057 |
| SME 3 | 11/23/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 1/11/2022 | 109.4 | 7.58 | 11.17 | 9.9 | 15.4 | 0.520 | 0.390 | <0.10 | <0.0300 |
| SME 3 | 4/7/2022 | 32.3 | 7.69 | 8.99 | 16.6 | 27.0 | 0.406 | 0.181 | <0.100 | <0.0300 |
| SME 3 | 8/2/2022 | 11.0 | 7.81 | 6.35 | 29.2 | 5.6 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 11/16/2022 | 7.3 | 7.76 | 9.28 | 13.6 | 10.3 | 0.294 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 2/14/2023 | 33.2 | 7.18 | 10.81 | 10.8 | 66.4 | 0.351 | 0.325 | <0.100 | <0.0300 |
| SME 3 | 5/25/2023 | 7.6 | 7.51 | 7.99 | 24.0 | 11.0 | 0.515 | <0.0500 | 0.0569 | <0.0140 |
| SME 3 | 8/7/2023 | 9.9 | 7.46 | 6.74 | 29.7 | 14.4 | 0.424 | <0.100 | 0.0912 | <0.0300 |
| SME 3 | 12/12/2023 | 32.5 | 7.01 | 8.06 | 10.2 | 13.4 | 0.502 | 0.103 | <0.0350 | <0.0140 |
| SME 3 | 1/10/2024 | 33.1 | 7.27 | 9.25 | 7.6 | 44.8 | 0.392 | 0.348 | 0.0956 | 0.0270 |
| SME 3 | 5/21/2024 | 18.78 | 8.12 | 10.05 | 25.1 | 24.6 | 0.545 | <0.100 | 0.0739 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.16 - HISTORICAL ANALYTICAL DATA - SME 4
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 4 | 12/17/2020 | 17.70 | 7.69 | 10.82 | 9.80 | 17.8 | 0.263 | 0.387 | <0.10 | <0.03 |
| SME 4 | 3/18/2021 | 2.20 | 7.25 | 9.20 | 17.60 | 21.6 | 0.331 | 0.319 | <0.100 | <0.030 |
| SME 4 | 5/5/2021 | 20.02 | 7.86 | 7.81 | 21.0 | 27.5 | <0.250 | 0.213 | <0.100 | <0.030 |
| SME 4 | 9/2/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 4 | 11/23/2021 | 48.51 | 7.64 | 10.41 | 10.6 | 9.2 | <0.250 | 0.164 | <0.100 | <0.0300 |
| SME 4 | 1/11/2022 | 17.30 | 7.39 | 11.35 | 13.40 | 15.6 | 0.97 | 0.44 | <0.10 | <0.0300 |
| SME 4 | 4/7/2022 | 21.6 | 7.55 | 9.30 | 16.7 | 20.9 | 0.254 | 0.273 | <0.100 | 0.060 |
| SME 4 | 8/2/2022 | 14.0 | 7.79 | 6.24 | 29.1 | 6.00 | 0.274 | 0.102 | <0.100 | <0.0300 |
| SME 4 | 11/16/2022 | 9.91 | 7.69 | 9.45 | 12.5 | 10.5 | 0.382 | <0.100 | <0.100 | <0.0300 |
| SME 4 | 2/14/2023 | 15.8 | 7.27 | 10.99 | 11.3 | 22.5 | 0.484 | 0.416 | <0.100 | <0.0300 |
| SME 4 | 5/25/2023 | 3.4 | 8.33 | 9.53 | 24.6 | 6.71 | 0.513 | <0.0500 | <0.0350 | <0.0140 |
| SME 4 | 8/7/2023 | 3.2 | 7.44 | 6.51 | 29.7 | 7.00 | 0.436 | <0.100 | 0.0866 | <0.0300 |
| SME 4 | 12/12/2023 | 14.0 | 7.57 | 8.33 | 10.8 | 13.8 | 0.497 | 0.140 | 0.0454 | <0.0140 |
| SME 4 | 1/10/2024 | 30.4 | 7.65 | 9.21 | 7.5 | 34.4 | 0.327 | 0.354 | 0.0532 | 0.0200 |
| SME 4 | 5/21/2024 | 21.02 | 7.38 | 9.03 | 24.6 | 12.0 | 0.565 | 0.143 | 0.0925 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.17 - HISTORICAL ANALYTICAL DATA - SME 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 5 | 12/17/2020 | 15.24 | 7.80 | 10.94 | 10.00 | 17.7 | 0.258 | 0.371 | <0.100 | <0.030 |
| SME 5 | 3/18/2021 | 1.70 | 7.83 | 9.59 | 15.90 | 23.0 | 0.317 | 0.316 | <0.100 | <0.030 |
| SME 5 | 5/5/2021 | 50.11 | 7.80 | 7.96 | 21.2 | 60.6 | 0.410 | <0.100 | <0.100 | <0.030 |
| SME 5 | 9/2/2021 | 15.15 | 8.02 | 6.42 | 28.2 | 31.8 | 0.325 | 0.128 | <0.100 | <0.030 |
| SME 5 | 11/23/2021 | 68.29 | 7.78 | 10.42 | 14.9 | 14.0 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 5 | 1/11/2022 | 24.90 | 7.66 | 10.46 | 14.7 | 16.6 | 1.50 | 0.450 | <0.10 | 0.035 |
| SME 5 | 4/7/2022 | 55.4 | 7.99 | 9.43 | 17.4 | 25.4 | 0.385 | 0.290 | <0.100 | <0.0300 |
| SME 5 | 8/2/2022 | 12.0 | 8.26 | 7.16 | 30.4 | 7.30 | 0.277 | 0.102 | <0.100 | <0.0300 |
| SME 5 | 11/16/2022 | 7.26 | 7.91 | 9.00 | 14.7 | 11.1 | 0.347 | 0.113 | <0.100 | <0.0300 |
| SME 5 | 2/14/2023 | 15.1 | 7.17 | 10.93 | 12.2 | 12.3 | 0.302 | 0.425 | <0.100 | <0.0300 |
| SME 5 | 5/25/2023 | 7.1 | 8.06 | 9.41 | 25.4 | 11.4 | 0.564 | 0.155 | 0.0593 | <0.0140 |
| SME 5 | 8/7/2023 | 5.6 | 7.71 | 7.47 | 30.6 | 8.60 | 0.677 | 0.0568 | 0.122 | <0.0300 |
| SME 5 | 12/12/2023 | 9.1 | 7.58 | 8.67 | 10.9 | 8.93 | 0.465 | 0.127 | 0.0370 | <0.0140 |
| SME 5 | 1/10/2024 | 31.4 | 7.12 | 9.53 | 7.9 | 51.5 | 0.366 | 0.488 | 0.0773 | 0.0170 |
| SME 5 | 5/21/2024 | 13.88 | 7.81 | 9.72 | 26.0 | 12.3 | 0.653 | 0.179 | 0.0938 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.18 - HISTORICAL ANALYTICAL DATA - SME 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 6 | 12/17/2020 | 13.6 | 7.96 | 10.89 | 10.1 | 16.7 | <0.25 | 0.368 | <0.10 | <0.03 |
| SME 6 | 3/18/2021 | 3.3 | 7.65 | 9.84 | 15.5 | 47.2 | 0.618 | 0.358 | <0.100 | <0.030 |
| SME 6 | 5/5/2021 | 62.3 | 7.75 | 7.80 | 19.9 | 82.8 | 0.403 | 0.183 | <0.100 | <0.030 |
| SME 6 | 9/2/2021 | 13.3 | 8.19 | 6.72 | 27.7 | 19.0 | 0.353 | 0.131 | 0.430 | <0.030 |
| SME 6 | 11/23/2021 | 9.8 | 7.68 | 10.35 | 15.1 | 11.2 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 6 | 1/11/2022 | 24.4 | 7.72 | 11.24 | 10.2 | 16.9 | 2.40 | 0.450 | <0.10 | <0.0300 |
| SME 6 | 4/7/2022 | 31.4 | 7.95 | 9.63 | 18.0 | 28.8 | 0.373 | 0.270 | <0.100 | <0.0300 |
| SME 6 | 8/2/2022 | 11.1 | 8.25 | 8.26 | 30.9 | 8.40 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 11/16/2022 | 8.0 | 7.87 | 9.34 | 14.0 | 11.3 | 0.308 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 2/14/2023 | 17.7 | 7.31 | 10.83 | 12.8 | 14.9 | 0.319 | 0.374 | <0.100 | <0.0300 |
| SME 6 | 5/25/2023 | 6.7 | 8.00 | 9.79 | 25.2 | 10.0 | 0.580 | 0.0655 | 0.0424 | <0.0140 |
| SME 6 | 8/7/2023 | 9.2 | 7.66 | 7.19 | 30.6 | 12.4 | 0.620 | <0.100 | 0.095 | <0.0300 |
| SME 6 | 12/12/2023 | 10.3 | 7.57 | 8.62 | 11.4 | 10.1 | 0.440 | 0.110 | 0.0507 | <0.0140 |
| SME 6 | 1/10/2024 | 31.0 | 7.24 | 9.50 | 7.9 | 39.5 | 0.413 | 0.344 | 0.0849 | 0.0140 |
| SME 6 | 5/21/2024 | 28.42 | 7.82 | 9.84 | 26.4 | 47.6 | 0.287 | 0.100 | 0.0700 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 3/12/2013 | 5.98 | 8.38 | 9.87 | 10.80 | 7.2 | 0.39 | 0.30 | <0.100 | 0.031 |
| SS 5 | 5/8/2013 | 24.4 | 7.38 | 7.19 | 16.80 | 21.0 | 0.62 | 0.16 | <0.100 | <0.12 |
| SS 5 | 9/23/2013 | 13.8 | 8.00 | 5.44 | 25.80 | 15.0 | 1.30 | <0.100 | <0.100 | 0.029 |
| SS 5 | 12/10/2013 | 22.8 | 8.25 | 9.10 | 7.70 | 13.0 | 0.67 | 0.24 | 0.11 | 0.043 |
| SS 5 | 2/6/2014 | 27.5 | 7.20 | 12.09 | 5.40 | 12.0 | 0.86 | 0.39 | <0.100 | <0.025 |
| SS 5 | 6/26/2014 | 11.0 | 8.53 | 7.01 | NS | 11.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| SS 5 | 9/30/2014 | 11.2 | 7.64 | 6.82 | 24.44 | 11.0 | 0.45 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2014 | 14.1 | 8.96 | 13.13 | 8.50 | 9.6 | 0.35 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/23/2015 | 18.0 | 8.50 | 8.99 | 17.70 | 11.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| SS 5 | 4/22/2015 | 19.0 | 7.76 | 6.71 | 20.20 | 13.0 | 0.47 | 0.15 | <0.100 | <0.025 |
| SS 5 | 9/30/2015 | 11.0 | 8.26 | 6.61 | 25.30 | 9.9 | 0.606 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2015 | 19.0 | 7.86 | 8.47 | 15.90 | 11.0 | <0.250 | 0.239 | <0.100 | <0.025 |
| SS 5 | 3/15/2016 | 20.0 | 8.37 | 8.47 | 17.20 | 9.5 | 0.279 | 0.264 | 0.225 | <0.025 |
| SS 5 | 6/29/2016 | 14.7 | 8.01 | 3.81 | 29.77 | 13.2 | 0.480 | <0.100 | <0.100 | 0.066 |
| SS 5 | 8/9/2016 | 11.6 | 7.86 | 3.16 | 29.40 | 12.6 | 0.464 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/7/2016 | 6.6 | 7.94 | 6.70 | 12.30 | 8.0 | 0.420 | <0.100 | 0.12 | <0.025 |
| SS 5 | 3/2/2017 | 14.0 | 7.78 | 3.92 | 12.77 | 16.0 | 0.766 | 0.334 | <0.100 | <0.025 |
| SS 5 | 7/5/2017 | 8.4 | 7.77 | 7.19 | 28.90 | 12.0 | 0.474 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/16/2017 | 10.2 | 8.10 | 4.83 | 29.90 | 15.1 | 0.493 | <0.100 | <0.100 | <0.025 |
| SS 5 | 10/25/2017 | 7.5 | 8.24 | 8.36 | 19.2 | 11.8 | 0.531 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/28/2018 | 7.0 | 8.53 | 10.23 | 18.5 | 8.33 | <0.250 | 0.248 | <0.100 | <0.025 |
| SS 5 | 6/29/2018 | 10.4 | 7.93 | 5.50 | 27.5 | 13.3 | 0.605 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/2/2018 | 13.5 | 7.58 | 6.04 | 25.8 | 12.8 | 0.554 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/10/2018 | 21.9 | 7.01 | 11.15 | 7.3 | 16.7 | 0.522 | 0.146 | <0.100 | <0.025 |

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 4/15/2019 | 15.5 | 7.35 | 7.77 | 19.4 | 11.7 | 0.374 | 0.168 | <0.100 | <0.025 |
| SS 5 | 6/12/2019 | 10.0 | 8.44 | 8.78 | 26.6 | 11.0 | <0.250 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/27/2019 | 24.5 | 8.66 | 9.02 | 28.9 | 7.1 | 0.508 | <0.100 | 0.168 | <0.025 |
| SS 5 | 10/29/2019 | 18.7 | 8.20 | 9.33 | 18.1 | 10.4 | 0.631 | 0.105 | 0.198 | <0.025 |
| SS 5 | 3/30/2020 | 9.2 | 8.35 | 11.07 | 20.8 | 10.6 | 0.399 | 0.127 | <0.100 | <0.025 |
| SS 5 | 6/16/2020 | 10.5 | 8.41 | 7.99 | 27.9 | 9.7 | 0.534 | <0.100 | <0.100 | <0.030 |
| SS 5 | 9/21/2020 | 16.5 | 7.36 | 11.45 | 22.6 | 11.0 | 0.512 | <0.100 | <0.100 | <0.030 |
| SS 5 | 12/17/2020 | 8.64 | 8.02 | 11.24 | 9.6 | 10.1 | 0.428 | 0.200 | <0.100 | <0.030 |
| SS 5 | 3/18/2021 | 0.60 | 7.36 | 9.03 | 15.7 | 14.6 | 0.570 | 0.191 | <0.100 | <0.030 |
| SS 5 | 5/5/2021 | 38.40 | 7.55 | 7.72 | 20.5 | 32.2 | 0.576 | 0.108 | <0.100 | <0.030 |
| SS 5 | 9/2/2021 | 9.62 | 8.00 | 8.54 | 28.6 | 14.4 | 0.431 | <0.100 | <0.100 | <0.030 |
| SS 5 | 11/23/2021 | 10.84 | 7.40 | 10.89 | 13.7 | 7.7 | <0.250 | 0.126 | <0.100 | <0.0300 |
| SS 5 | 1/11/2022 | 46.0 | 7.64 | 11.13 | 11.1 | 10.4 | 1.300 | 0.320 | <0.10 | <0.0300 |
| SS 5 | 4/7/2022 | 20.7 | 7.80 | 8.85 | 17.9 | 15.6 | 0.516 | 0.122 | <0.100 | <0.0300 |
| SS 5 | 8/2/2022 | 11.90 | 8.38 | 7.32 | 30.6 | 7.8 | 0.812 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 11/16/2022 | 5.32 | 8.07 | 10.21 | 14.0 | 8.3 | 0.314 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 2/14/2023 | 11.20 | 7.35 | 11.62 | 12.7 | 10.4 | 0.344 | 0.284 | <0.100 | 0.093 |
| SS 5 | 5/25/2023 | 7.0 | 8.19 | 10.03 | 25.5 | 9.80 | 0.638 | <0.0500 | 0.0486 | 0.0670 |
| SS 5 | 8/7/2023 | 9.1 | 7.91 | 7.70 | 30.7 | 11.5 | 0.636 | <0.100 | 0.0971 | <0.0300 |
| SS 5 | 12/12/2023 | 8.7 | 7.85 | 9.72 | 11.2 | 6.80 | 0.573 | <0.0500 | <0.0350 | <0.0140 |
| SS 5 | 1/10/2024 | 19.5 | 7.46 | 9.56 | 9.1 | 20.4 | 0.576 | 0.166 | 0.0715 | <0.0140 |
| SS 5 | 5/21/2024 | 16.20 | 7.87 | 9.02 | 25.8 | 11.0 | 0.261 | 0.107 | 0.0743 | <0.0300 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

# Appendix III – Laboratory Reports

Laboratory Report No. L1738547, dated May 21, 2024

Laboratory Report No. L1738938, dated May 22, 2024

# ANALYTICAL REPORT

June 04, 2024



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1738938 |
| Samples Received: | 05/22/2024 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | BOAT |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## HB 3 L1738938-01 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 10:15 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293008 | 1 | 05/24/24 16:45 | 05/25/24 15:46 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 22:53 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:26 | 06/03/24 14:26 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:04 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:21 | 05/22/24 17:21 | ARV | Mt. Juliet, TN |

## SME 4 L1738938-02 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 10:25 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293008 | 1 | 05/24/24 16:45 | 05/25/24 15:46 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 22:54 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:29 | 06/03/24 14:29 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:05 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:22 | 05/22/24 17:22 | ARV | Mt. Juliet, TN |

## GD 5 L1738938-03 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 10:45 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293008 | 1 | 05/24/24 16:45 | 05/25/24 15:46 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 22:55 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:30 | 06/03/24 14:30 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:06 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:22 | 05/22/24 17:22 | ARV | Mt. Juliet, TN |

## SME 3 L1738938-04 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 11:00 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293008 | 1 | 05/24/24 16:45 | 05/25/24 15:46 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 22:58 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:34 | 06/03/24 14:34 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:09 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:22 | 05/22/24 17:22 | ARV | Mt. Juliet, TN |

## SME 1 L1738938-05 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 11:15 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293008 | 1 | 05/24/24 16:45 | 05/25/24 15:46 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 22:59 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:39 | 06/03/24 14:39 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:10 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:23 | 05/22/24 17:23 | ARV | Mt. Juliet, TN |

## SS5 L1738938-06 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 12:05 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293008 | 1 | 05/24/24 16:45 | 05/25/24 15:46 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 23:00 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:42 | 06/03/24 14:42 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:11 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:23 | 05/22/24 17:23 | ARV | Mt. Juliet, TN |

## SME 5 L1738938-07 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 12:15 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293010 | 1 | 05/24/24 16:57 | 05/25/24 09:05 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 23:02 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:43 | 06/03/24 14:43 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:12 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:23 | 05/22/24 17:23 | ARV | Mt. Juliet, TN |

## SME 6 L1738938-08 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 12:35 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293010 | 1 | 05/24/24 16:57 | 05/25/24 09:05 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 23:03 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:46 | 06/03/24 14:46 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:16 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:23 | 05/22/24 17:23 | ARV | Mt. Juliet, TN |

## RC 14 L1738938-09 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 12:50 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293010 | 1 | 05/24/24 16:57 | 05/25/24 09:05 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 23:04 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:47 | 06/03/24 14:47 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:17 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:23 | 05/22/24 17:23 | ARV | Mt. Juliet, TN |

## SME 11 L1738938-10 WW

Collected by: Patrick Curwen | Collected date/time: 05/21/24 11:35 | Received date/time: 05/22/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2293010 | 1 | 05/24/24 16:57 | 05/25/24 09:05 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293983 | 1 | 05/30/24 13:09 | 05/30/24 23:08 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2296202 | 1 | 06/03/24 14:48 | 06/03/24 14:48 | BMD | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295955 | 1 | 05/30/24 13:09 | 05/30/24 23:19 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2291377 | 1 | 05/22/24 17:24 | 05/22/24 17:24 | ARV | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 28.6 | | 5.00 | 1 | 05/25/2024 15:46 | WG2293008 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.357 | B | 0.140 | 0.250 | 1 | 05/30/2024 22:53 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.0799 | J | 0.0500 | 0.100 | 1 | 06/03/2024 14:26 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0557 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:04 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:21 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.0 | | 5.00 | 1 | 05/25/2024 15:46 | WG2293008 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.565 | B | 0.140 | 0.250 | 1 | 05/30/2024 22:54 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.143 | | 0.0500 | 0.100 | 1 | 06/03/2024 14:29 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0925 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:05 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:22 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 8.93 | | 3.33 | 1 | 05/25/2024 15:46 | WG2293008 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.443 | B | 0.140 | 0.250 | 1 | 05/30/2024 22:55 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.131 | | 0.0500 | 0.100 | 1 | 06/03/2024 14:30 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0614 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:06 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:22 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 24.6 | | 5.00 | 1 | 05/25/2024 15:46 | WG2293008 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.545 | B | 0.140 | 0.250 | 1 | 05/30/2024 22:58 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 06/03/2024 14:34 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0739 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:09 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:22 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 14.6 | | 5.00 | 1 | 05/25/2024 15:46 | WG2293008 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.597 | B | 0.140 | 0.250 | 1 | 05/30/2024 22:59 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 06/03/2024 14:39 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.112 | B | 0.0350 | 0.100 | 1 | 05/30/2024 23:10 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:23 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|
| Suspended Solids | 11.0 | | 5.00 | 1 | 05/25/2024 15:46 | WG2293008 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.261 | B | 0.140 | 0.250 | 1 | 05/30/2024 23:00 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.107 | | 0.0500 | 0.100 | 1 | 06/03/2024 14:42 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0743 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:11 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:23 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.3 | | 3.33 | 1 | 05/25/2024 09:05 | WG2293010 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.653 | B | 0.140 | 0.250 | 1 | 05/30/2024 23:02 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.179 | | 0.0500 | 0.100 | 1 | 06/03/2024 14:43 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0938 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:12 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:23 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 47.6 | | 6.10 | 1 | 05/25/2024 09:05 | WG2293010 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.287 | B | 0.140 | 0.250 | 1 | 05/30/2024 23:03 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.100 | J | 0.0500 | 0.100 | 1 | 06/03/2024 14:46 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0700 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:16 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:23 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 8.40 | | 5.00 | 1 | 05/25/2024 09:05 | WG2293010 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.667 | B | 0.140 | 0.250 | 1 | 05/30/2024 23:04 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 06/03/2024 14:47 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0795 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:17 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:23 | WG2291377 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 9.33 | | 3.33 | 1 | 05/25/2024 09:05 | WG2293010 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.405 | B | 0.140 | 0.250 | 1 | 05/30/2024 23:08 | WG2293983 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.145 | | 0.0500 | 0.100 | 1 | 06/03/2024 14:48 | WG2296202 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0736 | B J | 0.0350 | 0.100 | 1 | 05/30/2024 23:19 | WG2295955 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/22/2024 17:24 | WG2291377 |

## Method Blank (MB)

(MB) R4074313-1 05/25/24 15:46

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 2.50 | 2.50 |

## L1738882-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1738882-02 05/25/24 15:46 • (DUP) R4074313-4 05/25/24 15:46

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 132 | 133 | 1 | 0.755 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4074313-2 05/25/24 15:46

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 816 | 106 | 85.0-115 | |

## Method Blank (MB)

(MB) R4074157-1 05/25/24 09:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 2.50 | 2.50 |

## L1738904-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738904-01 05/25/24 09:05 • (DUP) R4074157-3 05/25/24 09:05

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 124 | 125 | 1 | 0.974 | | 10 |

## L1738984-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738984-01 05/25/24 09:05 • (DUP) R4074157-4 05/25/24 09:05

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 325 | 335 | 1 | 2.83 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4074157-2 05/25/24 09:05

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 808 | 105 | 85.0-115 | |

## Method Blank (MB)

(MB) R4075568-1 05/30/24 22:37

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.219 | J | 0.140 | 0.250 |

## L1738830-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1738830-02 05/30/24 22:40 • (DUP) R4075568-3 05/30/24 22:41

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | U | 1 | 0.000 | | 20 |

## L1738938-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1738938-03 05/30/24 22:55 • (DUP) R4075568-6 05/30/24 22:56

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.443 | 0.427 | 1 | 3.68 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4075568-2 05/30/24 22:39

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 12.3 | 11.9 | 97.1 | 80.0-120 | |

## L1738830-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738830-03 05/30/24 22:42 • (MS) R4075568-4 05/30/24 22:44 • (MSD) R4075568-5 05/30/24 22:45

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.203 | 5.81 | 5.79 | 112 | 112 | 1 | 90.0-110 | J5 | J5 | 0.345 | 20 |

## L1738921-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1738921-01 05/30/24 23:32 • (MS) R4075568-7 05/30/24 23:33

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 21.0 | 26.8 | 116 | 2 | 90.0-110 | V |

# QUALITY CONTROL SUMMARY

L1738938-01,02,03,04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4076695-1 06/03/24 14:24

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0500 | 0.100 |

## L1738938-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738938-01 06/03/24 14:26 • (DUP) R4076695-3 06/03/24 14:28

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.0799 | 0.0805 | 1 | 0.748 | J | 20 |

## L1738938-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1738938-05 06/03/24 14:39 • (DUP) R4076695-6 06/03/24 14:40

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4076695-2 06/03/24 14:25

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.54 | 102 | 90.0-110 | |

## L1738938-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738938-03 06/03/24 14:30 • (MS) R4076695-4 06/03/24 14:32 • (MSD) R4076695-5 06/03/24 14:33

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.131 | 2.55 | 2.63 | 96.8 | 100 | 1 | 90.0-110 | | | 3.09 | 20 |

## L1738938-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1738938-07 06/03/24 14:43 • (MS) R4076695-7 06/03/24 14:44

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.179 | 2.70 | 101 | 1 | 90.0-110 | |

## Method Blank (MB)

(MB) R4075570-1 05/30/24 22:46

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.0470 | J | 0.0350 | 0.100 |

## L1738830-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1738830-02 05/30/24 22:49 • (DUP) R4075570-3 05/30/24 22:50

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | U | 0.0676 | 1 | 200 | J P1 | 20 |

## L1738938-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1738938-03 05/30/24 23:06 • (DUP) R4075570-6 05/30/24 23:07

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0614 | 0.0644 | 1 | 4.77 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4075570-2 05/30/24 22:48

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 1.81 | 1.74 | 96.4 | 85.0-115 | |

## L1738830-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738830-03 05/30/24 22:51 • (MS) R4075570-4 05/30/24 22:53 • (MSD) R4075570-5 05/30/24 22:54

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.385 | 2.56 | 2.59 | 87.0 | 88.2 | 1 | 90.0-110 | J6 | J6 | 1.17 | 20 |

# QUALITY CONTROL SUMMARY

L1738938-01,02,03,04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4072880-1 05/22/24 17:20

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0140 | 0.0300 |

## L1738938-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1738938-02 05/22/24 17:22 • (DUP) R4072880-5 05/22/24 17:22

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4072880-2 05/22/24 17:20

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.249 | 102 | 85.0-115 | |

## L1738938-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738938-01 05/22/24 17:21 • (MS) R4072880-3 05/22/24 17:21 • (MSD) R4072880-4 05/22/24 17:22

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | U | 0.507 | 0.505 | 101 | 101 | 1 | 80.0-120 | | | 0.395 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

360 D Quality Circle NW
Suite 450
Huntsville. AL 35806

Billing Information:
Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to: **Ms. Sarah Yeldell**

Email To: **syeldell@smeinc.com**

Project Description: **Etowah MS4**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project # **23820129**

Lab Project # **QOREHAL-ETOWAHMS4**

Collected by (print): Patrick Curran

Site/Facility ID # **BOAT**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

***Rush?*** (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | Pres Chk | <2 | <2 | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HB 3 | G | WW | 4' | 05-21 | 10:15 | 4 | X | X | X | X | | | | | -01 |
| SME 4 | G | WW | 4' | 05-21 | 10:25 | 4 | X | X | X | X | | | | | -02 |
| GD 5 | G | WW | 4' | 05-21 | 10:45 | 4 | X | X | X | X | | | | | -03 |
| SME 3 | G | WW | 4' | 05-21 | 11:00 | 4 | X | X | X | X | | | | | -04 |
| SME 1 | G | WW | 4' | 05-21 | 11:15 | 4 | X | X | X | X | | | | | -05 |
| SS5 | G | WW | 4' | 05-21 | 17:05 | 4 | X | X | X | X | | | | | -06 |
| SME 5 | G | WW | 4' | 05-21 | 17:15 | 4 | X | X | X | X | | | | | -07 |
| SME 6 | G | WW | 4' | 05-21 | 17:35 | 4 | X | X | X | X | | | | | -08 |
| RC 14 | G | WW | 4' | 05-21 | 17:50 | 4 | X | X | X | X | | | | | -09 |
| SME 11 | G | WW | 4' | 05-21 | 11:35 | 4 | X | X | X | X | | | | | -10 |

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1735936
J243

Acctnum: QOREHAL
Template: T238643
Prelogin: P1058803
PM: 034 - Craig Cothron
PB: BF 3/20/24
Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

**Remarks:**

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR |
|---|---|---|---|---|
| | 05-21-24 | 14:00 | | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 40 |
| | | | | If preservation required by Login: Date/Time |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: Time: |
| | | | Jamcam | 5-22-24 0900 |

Hold: Condition: NCF / OK

LIT38938

| Tracking Numbers | EDAG Temperature |
|---|---|
| 7326 9668 8197 | 1.8+0.1=1.9 |
| 7326 9668 8186 | 5.6+0.1=5.7 |
| | |
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| | |

Name

Date

# ANALYTICAL REPORT

May 31, 2024



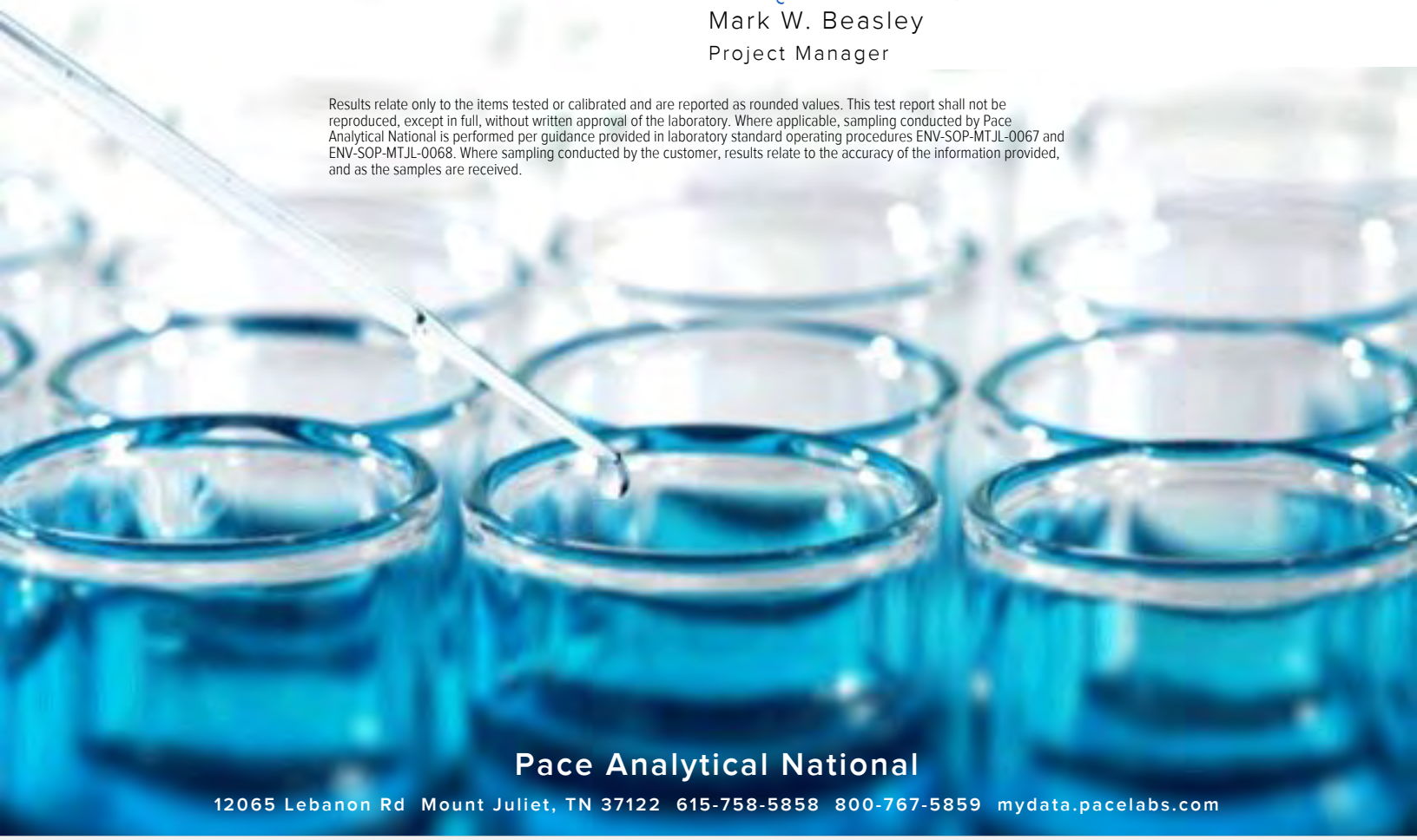
## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1738547 |
| Samples Received: | 05/21/2024 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | LAND |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## SME 7 L1738547-01 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 09:40 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:15 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:43 | 05/30/24 18:43 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:20 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:46 | 05/21/24 16:46 | ARV | Mt. Juliet, TN |

## SME 9 L1738547-02 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 10:20 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:17 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:46 | 05/30/24 18:46 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:23 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:47 | 05/21/24 16:47 | ARV | Mt. Juliet, TN |

## SME 10 L1738547-03 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 10:30 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:19 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:47 | 05/30/24 18:47 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:24 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:47 | 05/21/24 16:47 | ARV | Mt. Juliet, TN |

## SS 13 L1738547-04 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 11:00 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:20 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:55 | 05/30/24 18:55 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:26 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:47 | 05/21/24 16:47 | ARV | Mt. Juliet, TN |

## SS 14 L1738547-05 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 11:15 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:21 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:56 | 05/30/24 18:56 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:27 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:48 | 05/21/24 16:48 | ARV | Mt. Juliet, TN |

## GD 12 L1738547-06 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 11:50 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:22 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:57 | 05/30/24 18:57 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:28 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:50 | 05/21/24 16:50 | ARV | Mt. Juliet, TN |

## RC 2 L1738547-07 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 11:30 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:26 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295700 | 1 | 05/30/24 18:59 | 05/30/24 18:59 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:29 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:51 | 05/21/24 16:51 | ARV | Mt. Juliet, TN |

## AT 5 L1738547-08 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 12:10 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:28 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295704 | 1 | 05/31/24 12:43 | 05/31/24 12:43 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:33 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:51 | 05/21/24 16:51 | ARV | Mt. Juliet, TN |

## SME 12 L1738547-09 WW

Collected by: Nathanael Wade | Collected date/time: 05/20/24 12:20 | Received date/time: 05/21/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2292624 | 1 | 05/25/24 09:19 | 05/25/24 09:41 | JAC | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2293973 | 1 | 05/28/24 12:50 | 05/29/24 21:29 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2295704 | 1 | 05/31/24 12:47 | 05/31/24 12:47 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2295166 | 1 | 05/28/24 12:50 | 05/29/24 21:34 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2290645 | 1 | 05/21/24 16:52 | 05/21/24 16:52 | ARV | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 13.5 | | 2.50 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | U | | 0.140 | 0.250 | 1 | 05/29/2024 21:15 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.821 | | 0.0500 | 0.100 | 1 | 05/30/2024 18:43 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.206 | B | 0.0350 | 0.100 | 1 | 05/29/2024 21:20 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.162 | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:46 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 2.80 | | 2.50 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | U | | 0.140 | 0.250 | 1 | 05/29/2024 21:17 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.0897 | J | 0.0500 | 0.100 | 1 | 05/30/2024 18:46 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0694 | B J | 0.0350 | 0.100 | 1 | 05/29/2024 21:23 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:47 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 10.0 | | 5.00 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.326 | | 0.140 | 0.250 | 1 | 05/29/2024 21:19 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.132 | | 0.0500 | 0.100 | 1 | 05/30/2024 18:47 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.112 | B | 0.0350 | 0.100 | 1 | 05/29/2024 21:24 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:47 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 32.7 | | 8.33 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.512 | | 0.140 | 0.250 | 1 | 05/29/2024 21:20 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 05/30/2024 18:55 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.156 | B | 0.0350 | 0.100 | 1 | 05/29/2024 21:26 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0320 | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:47 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 7.67 | | 4.18 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.487 | | 0.140 | 0.250 | 1 | 05/29/2024 21:21 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.213 | | 0.0500 | 0.100 | 1 | 05/30/2024 18:56 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.121 | B | 0.0350 | 0.100 | 1 | 05/29/2024 21:27 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0210 | J | 0.0140 | 0.0300 | 1 | 05/21/2024 16:48 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 9.80 | | 5.00 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.496 | | 0.140 | 0.250 | 1 | 05/29/2024 21:22 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.102 | | 0.0500 | 0.100 | 1 | 05/30/2024 18:57 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0698 | B J | 0.0350 | 0.100 | 1 | 05/29/2024 21:28 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:50 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 11.7 | | 3.33 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.424 | | 0.140 | 0.250 | 1 | 05/29/2024 21:26 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.142 | | 0.0500 | 0.100 | 1 | 05/30/2024 18:59 | WG2295700 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0687 | B J | 0.0350 | 0.100 | 1 | 05/29/2024 21:29 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0160 | J | 0.0140 | 0.0300 | 1 | 05/21/2024 16:51 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 11.6 | | 2.50 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | U | | 0.140 | 0.250 | 1 | 05/29/2024 21:28 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.737 | | 0.0500 | 0.100 | 1 | 05/31/2024 12:43 | WG2295704 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.192 | B | 0.0350 | 0.100 | 1 | 05/29/2024 21:33 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.120 | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:51 | WG2290645 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|
| Suspended Solids | 12.3 | | 2.50 | 1 | 05/25/2024 09:41 | WG2292624 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.506 | | 0.140 | 0.250 | 1 | 05/29/2024 21:29 | WG2293973 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.728 | | 0.0500 | 0.100 | 1 | 05/31/2024 12:47 | WG2295704 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.200 | B | 0.0350 | 0.100 | 1 | 05/29/2024 21:34 | WG2295166 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.120 | | 0.0140 | 0.0300 | 1 | 05/21/2024 16:52 | WG2290645 |

## Method Blank (MB)

(MB) R4074156-1 05/25/24 09:41

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 2.50 | 2.50 |

## L1738386-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738386-01 05/25/24 09:41 • (DUP) R4074156-3 05/25/24 09:41

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 104 | 109 | 1 | 4.69 | | 10 |

## L1738464-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738464-01 05/25/24 09:41 • (DUP) R4074156-4 05/25/24 09:41

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 44.0 | 46.0 | 1 | 4.44 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4074156-2 05/25/24 09:41

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 812 | 105 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1738547-01,02,03,04,05,06,07,08,09

## Method Blank (MB)

(MB) R4075118-1 05/29/24 21:11

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.140 | 0.250 |

## L1738547-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738547-01 05/29/24 21:15 • (DUP) R4075118-3 05/29/24 21:16

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | U | 1 | 0.000 | | 20 |

## L1738594-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1738594-02 05/29/24 21:47 • (DUP) R4075118-6 05/29/24 21:48

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4075118-2 05/29/24 21:12

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 12.3 | 12.1 | 98.8 | 80.0-120 | |

## L1738583-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738583-01 05/29/24 21:30 • (MS) R4075118-4 05/29/24 21:31 • (MSD) R4075118-5 05/29/24 21:33

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | U | 6.01 | 5.83 | 120 | 117 | 1 | 90.0-110 | J5 | J5 | 3.04 | 20 |

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

## L1738594-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1738594-02 05/29/24 21:47 • (MS) R4075118-7 05/29/24 21:49

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | U | 5.01 | 100 | 1 | 90.0-110 | |

## Method Blank (MB)

(MB) R4075529-1 05/30/24 18:20

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0500 | 0.100 |

## L1738122-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738122-01 05/30/24 18:24 • (DUP) R4075529-3 05/30/24 18:25

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.709 | 0.718 | 1 | 1.26 | | 20 |

## L1738547-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738547-01 05/30/24 18:43 • (DUP) R4075529-5 05/30/24 18:45

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.821 | 0.819 | 1 | 0.244 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4075529-2 05/30/24 18:22

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.50 | 100 | 90.0-110 | |

## L1738122-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1738122-01 05/30/24 18:24 • (MS) R4075529-4 05/30/24 18:27

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.709 | 3.33 | 105 | 1 | 90.0-110 | |

## L1738547-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738547-03 05/30/24 18:47 • (MS) R4075529-6 05/30/24 18:52 • (MSD) R4075529-7 05/30/24 18:54

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.132 | 2.53 | 2.68 | 95.9 | 102 | 1 | 90.0-110 | | | 5.76 | 20 |

## Method Blank (MB)

(MB) R4075757-1 05/31/24 12:40

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0500 | 0.100 |

## L1738547-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1738547-08 05/31/24 12:43 • (DUP) R4075757-3 05/31/24 12:44

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.737 | 0.738 | 1 | 0.136 | | 20 |

## L1738583-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738583-01 05/31/24 12:48 • (DUP) R4075757-5 05/31/24 12:49

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.327 | 0.325 | 1 | 0.613 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4075757-2 05/31/24 12:42

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.50 | 100 | 90.0-110 | |

## L1738547-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1738547-08 05/31/24 12:43 • (MS) R4075757-4 05/31/24 12:45

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.737 | 3.27 | 101 | 1 | 90.0-110 | |

## L1738583-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738583-01 05/31/24 12:48 • (MS) R4075757-6 05/31/24 12:50 • (MSD) R4075757-7 05/31/24 12:56

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.327 | 2.83 | 2.86 | 100 | 101 | 1 | 90.0-110 | | | 1.05 | 20 |

## Method Blank (MB)

(MB) R4075119-1 05/29/24 21:18

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.0433 | J | 0.0350 | 0.100 |

## L1738547-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1738547-01 05/29/24 21:20 • (DUP) R4075119-3 05/29/24 21:22

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.206 | 0.222 | 1 | 7.48 | | 20 |

## L1738594-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1738594-02 05/29/24 21:52 • (DUP) R4075119-6 05/29/24 21:54

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0420 | 0.0464 | 1 | 9.95 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4075119-2 05/29/24 21:19

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 1.81 | 1.88 | 104 | 85.0-115 | |

## L1738583-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738583-01 05/29/24 21:36 • (MS) R4075119-4 05/29/24 21:37 • (MSD) R4075119-5 05/29/24 21:38

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0601 | 2.43 | 2.40 | 94.8 | 93.6 | 1 | 90.0-110 | | | 1.24 | 20 |

# QUALITY CONTROL SUMMARY

L1738547-01,02,03,04,05,06,07,08,09

## Method Blank (MB)

(MB) R4072358-1 05/21/24 16:37

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0140 | 0.0300 |

## L1738547-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1738547-05 05/21/24 16:48 • (DUP) R4072358-3 05/21/24 16:48

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0210 | 0.0210 | 1 | 0.000 | J | 20 |

## L1738583-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1738583-07 05/21/24 16:55 • (DUP) R4072358-6 05/21/24 16:55

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4072358-2 05/21/24 16:40

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.225 | 92.0 | 85.0-115 | |

## L1738583-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738583-01 05/21/24 16:53 • (MS) R4072358-4 05/21/24 16:53 • (MSD) R4072358-5 05/21/24 16:53

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | 0.0170 | 0.533 | 0.531 | 103 | 103 | 1 | 80.0-120 | | | 0.376 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

**360 D Quality Circle NW**
**Suite 450**
**Huntsville. AL 35806**

Billing Information:
**Accounts Payable**
**360 D Quality Circle NW**
**Suite 450**
**Huntsville, AL 35806**

Pres Chk

Report to:
**Ms. Sarah Yeldell**

Email To: **syeldell@smeinc.com**

Project Description:
**Etowah MS4**

City/State Collected: Gadsden, AL

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project #
**23820129**

Lab Project #
**QOREHAL-ETOWAHMS4**

Collected by (print):
Nathaniel Wade

Site/Facility ID #
**LAND**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

***Rush?*** (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SME 7 | GRAB | WW | SURFACE | 5/20/24 | 9:40 | 4 | X | X | X | X | | | | | | | | -01 |
| SME 9 | GRAB | WW | SURFACE | 5/20/24 | 10:20 | 4 | X | X | X | X | | | | | | | | -02 |
| SME 10 | GRAB | WW | SURFACE | 5/20/24 | 10:30 | 4 | X | X | X | X | | | | | | | | -03 |
| SS 13 | GRAB | WW | SURFACE | 5/20/24 | 11:00 | 4 | X | X | X | X | | | | | | | | -04 |
| SS 14 | GRAB | WW | SURFACE | 5/20/24 | 11:15 | 4 | X | X | X | X | | | | | | | | -05 |
| GD 12 | GRAB | WW | SURFACE | 5/20/24 | 11:50 | 4 | X | X | X | X | | | | | | | | -06 |
| RC 2 | GRAB | WW | SURFACE | 5/20/24 | 11:30 | 4 | X | X | X | X | | | | | | | | -07 |
| AT 5 | GRAB | WW | SURFACE | 5/20/24 | 12:10 | 4 | X | X | X | X | | | | | | | | -08 |
| SME 12 | GRAB | WW | SURFACE | 5/20/24 | 12:20 | 4 | X | X | X | X | | | | | | | | -09 |
| | | | | | | | | | | | | | | | | | | |

* Matrix:
**SS** - Soil **AIR** - Air **F** - Filter
**GW** - Groundwater **B** - Bioassay
**WW** - WasteWater
**DW** - Drinking Water
**OT** - Other_____

**Remarks:**

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L738547

Ta **D102**

Acctnum: **QOREHAL**
Template:**T238641**
Prelogin: **P1058802**
PM: **034 - Craig Cothron**
PB: BF 3/20/24
Shipped Via: **FedEx Ground**

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / (No) HCL / MeoH TBR | If pres | Time |
|---|---|---|---|---|---|---|
| Nathaniel Wade | 5/20/24 | 1700 | | — | PH-10BDH5021 TRC-2352362 CR6-20221V | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 36 | | |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) Deyanira | Date: 5-21-24 Time: 0900 | Hold: | Condition: NCF / (OK) |

4738547

| Tracking Numbers | Temperature |
|---|---|
| 7320966 8126 | @1to.1=0.7 EDAG |
| 7320966 8131 | 3.3to.1=3.4 EDAG |
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| | |

Name

Date

# Monitoring Report Third Quarter 2024
# Gadsden, Alabama Urbanized Area
# Phase II Small MS4s
# S&ME Project No. 23820129

PREPARED FOR:

**City of Attalla**
**City of Glencoe**
**City of Hokes Bluff**
**City of Rainbow City**
**City of Southside**
**Etowah County**

PREPARED BY:

**S&ME, Inc.**
**360D Quality Circle NW, Ste 450**
**Huntsville, AL 35806**

**December 13, 2024**

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# 1.0 Introduction

S&ME, Inc. has prepared this Quarterly Wet-Weather Monitoring Report on behalf of Etowah County and the cities of Attalla, Glencoe, Hokes Bluff, Rainbow City, and Southside. Our work was conducted in general accordance with the proposals issued to each entity.

## 1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the City of Attalla, City of Gadsden, City of Glencoe, City of Hokes Bluff, City of Rainbow City, City of Southside, and portions of unincorporated Etowah County as the *Gadsden, Alabama Urbanized Area*. A map outlining the approximate boundary of the *Gadsden, Alabama Urbanized Area* is included as Figure 1 in Appendix I. The regulated small municipal separate storm sewer systems (MS4s) within the urbanized area are collectively referred to as the Gadsden-Etowah MS4.

The Alabama Department of Environmental Management (ADEM) reissued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems with an effective date of October 1, 2021. Permit numbers for each entity in the Gadsden-Etowah MS4 are provided in Table 1-1.

**Table 1-1 Permit Numbers and Responsible Officials**

| Entity | Permit Number | Name |
|---|---|---|
| City of Attalla | ALR040052 | Larry Means, Mayor |
| City of Gadsden | ALR040053 | Craig Ford, Mayor |
| City of Glencoe | ALR040054 | Chris Hare, Mayor |
| City of Hokes Bluff | ALR040055 | Scott Reeves, Mayor |
| City of Rainbow City | ALR040056 | Joe Taylor, Mayor |
| City of Southside | ALR040057 | Dana Snyder, Mayor |
| Etowah County | ALR040009 | Robert Nail, Engineer |

## 1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40 CFR 130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. In 2008, the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorus), pH, and Dissolved Oxygen. **The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.**

### 1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program Plan (SWMPP). Part IV.D of the NPDES General Permit requires that the SWMPP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Each entity's SWMPP requires implementation of the wet-weather monitoring program as detailed in the *Gadsden-Etowah MS4 Wet-Weather Monitoring Program*, dated April 2022 (hereafter referred to as the 2022 Monitoring Program). The intent of the proposed monitoring program is to evaluate the effectiveness of each MS4's BMPs in achieving the required phosphorus reduction as established in the TMDL and to generally evaluate overall water quality using a watershed approach.

On March 24, 2015, the cities of Attalla, Gadsden, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County entered into a Cooperative Agreement to jointly perform the quarterly monitoring. As of October 1, 2023, the City of Gadsden has elected to separate from the joint monitoring agreement and perform their own monitoring. As of the date of this report, the 2022 Monitoring Program has not been revised, nor has the City of Gadsden prepared a separate monitoring plan.

## 2.0 Rainfall Data

The largest loading of phosphorus to the Coosa River from the Gadsden-Etowah MS4 is expected to occur during runoff events; therefore, the 2022 Monitoring Program requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch, as measured at three rain gauges within the MS4 located a minimum of three miles apart.

From September 13 to September 14, 2024, a rain event was observed in the vicinity of the urbanized area. Table 2-1 lists the observed rain gauges, and the recorded precipitation amounts for the rain event. The locations of the weather stations are identified on Figure 2 in Appendix I.

**Table 2-1 Quarterly Rainfall Data**

| Gauge Name | Location | Latitude | Longitude | Precip 9/13/24 | Precip 9/14/24 |
|---|---|---|---|---|---|
| KALASHVI18 | Ashville, AL | 33.88 | -86.11 | **0.32 in** | **1.33 in** |
| KALASHVI19 | Ashville, AL | 33.84 | -86.25 | NR | NR |
| KALATTAL12 | Attala, AL | 34.09 | -86.12 | **0.44 in** | **0.43 in** |
| KALATTAL22 | Attala, AL | 33.99 | -86.11 | 0.37 in | 0.33 in |

| Gauge Name | Location | Latitude | Longitude | Precip 9/13/24 | Precip 9/14/24 |
|---|---|---|---|---|---|
| KALGADSD117 | Gadsden, AL | 34.03 | -86.07 | **0.54 in** | **0.26 in** |
| KALGADSD122 | Gadsden, AL | 33.97 | -85.99 | NR | NR |
| KALGADSD102 | Gadsden, AL | 34.04 | -85.89 | **0.83 in** | **0.31 in** |
| KALGADSD3 | Gadsden, AL | 34.06 | -85.99 | NR | NR |
| KALGADSD76 | Gadsden, AL | 33.96 | -85.98 | **0.77 in** | **0.22 in** |
| KALGLENC5 | Glencoe, AL | 33.94 | -85.95 | **0.72 in** | **0.42 in** |
| KALGLENC7 | Glencoe, AL | 33.97 | -85.91 | **0.59 in** | **0.25 in** |
| KALHOKES2 | Hokes Bluff, AL | 33.99 | 85.81 | **1.90 in** | **0.00 in** |
| KALHOKES6 | Hokes Bluff, AL | 34.01 | -85.92 | **0.50 in** | **0.32 in** |
| KALRAINB17 | Rainbow City, AL | 33.93 | -86.09 | 0.43 in | 0.28 in |
| KALRAINB19 | Rainbow City, AL | 33.94 | -86.03 | 0.22 in | 0.30 in |
| KALSOUTH7 | Southside, AL | 33.89 | -86.01 | **0.32 in** | **0.54 in** |

NR – Not Reporting

# 3.0 Monitoring Event

On September 16, 2024, S&ME personnel mobilized to conduct storm water monitoring for the third quarter of 2024 in general accordance with Section 3 of the *Gadsden-Etowah MS4 Wet-Weather Monitoring Program*, dated April 2022.

## 3.1 Monitoring Locations

The monitoring locations for the six MS4s remaining in the joint monitoring program are identified on Figure 3 in Appendix I. Coordinates for each point are listed in Table 3-1.

**Table 3-1 Monitoring Point Coordinates**

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| AT 5 | 34.006446° | -86.069061° | LAND | Big Wills Creek / Little Wills Creek |
| GD 12 | 33.952567° | -86.003495° | LAND | U.T. to Neely Henry Lake |
| RC 2 | 33.967683° | -86.039476° | LAND | Horton Creek |
| SME 10 | 33.985669° | -85.878605° | LAND | U.T. to Big Cove Creek (exiting Hokes Bluff) |
| SME 7 | 34.006225° | -86.111277° | LAND | Big Wills Creek |
| SME 9 | 34.002807° | -85.871879° | LAND | U.T. to Neely Henry Lake |
| SS 13 | 33.891352° | -86.049229° | LAND | Neely Henry Lake |
| SS 14 | 33.885921° | -86.030683° | LAND | U.T. to Neely Henry Lake |

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| GD 5 | 34.014324° | -85.924013° | BOAT | Big Cove Creek / Little Cove Creek |
| HB 3 | 34.002129° | -85.882808° | BOAT | U.T. to Neely Henry Lake |
| RC 14 | 33.905786° | -86.111656° | BOAT | Rook Creek / Dry Creek |
| SME 1 | 33.990184° | -86.004048° | BOAT | Big Wills Creek / Black Creek |
| SME 3 | 34.009698° | -85.956230° | BOAT | Coal Creek |
| SME 4 | 34.001667° | -85.883342° | BOAT | Coosa River channel at north end of MS4 |
| SME 5 | 33.940514° | -86.029885° | BOAT | Coosa River channel at center of MS4 |
| SME 6 | 33.852125° | -86.049695° | BOAT | Confluence of Greens Creek and Coosa River |
| SS 5 | 33.941329° | -86.021569° | BOAT | U.T. to Coosa River |

Following evaluation of the monitoring program for the Annual Reports in May of 2020, monitoring points CO 14, SME 3, and GD 3 were removed from the monitoring program and monitoring points SME 4, SME 5, SME 6, SME 7, and SME 8 were added. The changes to the monitoring program were implemented beginning with the 2020 fourth quarter sampling event. Monitoring point SME 3 was reinstated as part of the monitoring program beginning with the 2021 third quarter sampling event.

Following evaluation of the monitoring program for the 2022 SWMPPs and 2022 Monitoring Program, monitoring points SME 2 and SME 8 were removed from the monitoring program and monitoring points SME 9 and SME 10 were added. The changes to the monitoring program were implemented beginning with the 2022 second quarter sampling event.

**Following the City of Gadsden's separation from the joint monitoring program, S&ME has discontinued monitoring at points CO 15, GD 6, GD 7, GD8, and GD9.** The changes to the monitoring program were implemented beginning with the 2023 fourth quarter sampling event. It is expected that the City of Gadsden will continue to monitor these five locations until the 2022 Monitoring Program is revised.

## 3.2 Sampling Procedures

Samples accessible by land were obtained using a stainless-steel bucket. Samples accessible by boat were obtained using a horizontal Van Dorn sampler. The bucket and Van Dorn sampler were decontaminated prior to use and in between samples.

## 3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection

- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature

Field parameters were measured using a YSI Pro DSS Multi-Probe Meter.

The recorded field observations are included on Table B.1 in Appendix II. The recorded field parameters are included on Table B.2 in Appendix II.

## 3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

### *3.4.1 Sample Containers and Preservation*

The samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed in Table 3-2.

**Table 3-2 Sample Containers and Preservation**

| Parameter | Container | Preservative | Hold Time |
|---|---|---|---|
| Total Suspended Solids (TSS) | HDPE - 1 L | NONE | 7 days |
| Total Phosphorus | HDPE - 250 mL | $H_2SO_4$ | 48 hours |
| Orthophosphate | AMB - 100 mL | NONE | 48 hours |
| Nitrate-Nitrite | HDPE - 250 mL | $H_2SO_4$ | 28 days |
| Total Kjeldahl Nitrogen (TKN) | HDPE - 250 mL | $H_2SO_4$ | 28 days |

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

### *3.4.2 Quality Assurance*

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point AT 5 was collected by the land team during the sampling event and labeled as SME 12. One duplicate sample of monitoring point SME 4 was collected by the boat team during the sampling event and labeled as SME 11.

### *3.4.3 Sample Shipment*

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in Appendix III.

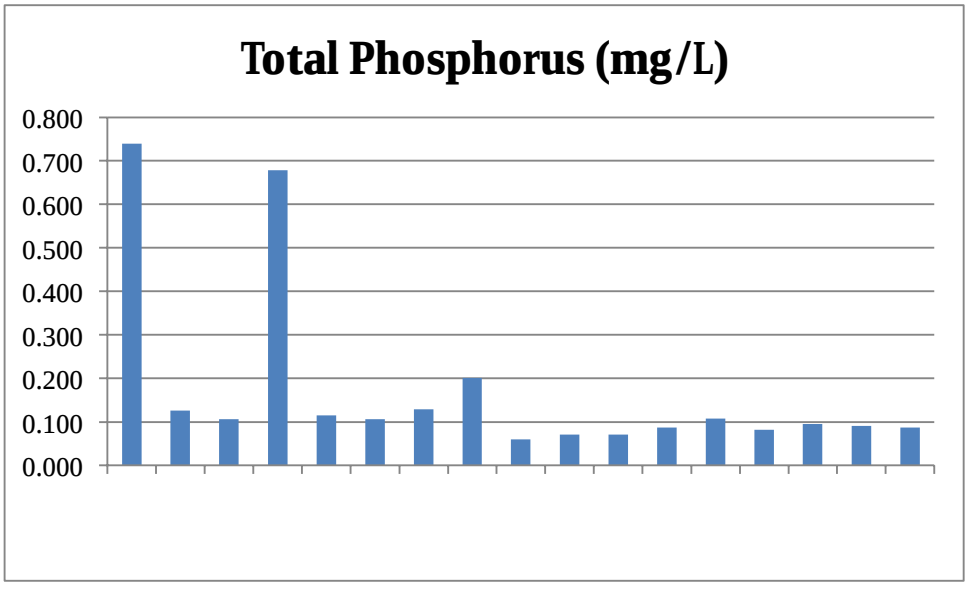
# 4.0 Analytical Results

The laboratory analytical results for the September 16 quarterly monitoring event are included on Table B.2 in Appendix II. Historical monitoring data for each of the active monitoring points is included in Appendix II as Tables B.3 to B.19. The laboratory reports and Chain of Custody are included in Appendix III.

## 4.1 Total Phosphorus

Total phosphorus was detected at the 17 monitoring points evaluated during the 2024 Q3 monitoring event. As shown in Figure 4-1 below, the concentration of total phosphorus was highest at monitoring point AT 5 (0.740 mg/L), followed by point SME 7 (0.678 mg/L) and point SS14 (0.201 mg/L). One of the three points is located at Big Wills Creek.

**Figure 4-1 2024 Q3 Total Phosphorus Concentrations**



## 5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Report submitted by each entity. Monitoring reports will be retained by each entity for a minimum of three years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the 2022 *Gadsden-Etowah Wet-Weather Monitoring Program*. Current membership of the Storm Water Steering Committee is as follows:

**Table 5-1 Storm Water Steering Committee**

| Entity | Contact | Phone No. | Email |
|---|---|---|---|
| City of Gadsden | Heath Williamson | 256-549-4520 | hwilliamson@cityofgadsden.com |
| City of Gadsden | Keener Morrow | 256-549-4524 | kmorrow@cityofgadsden.com |
| City of Attalla | Jason Nicholson | 256-441-9200 | jnicholson@attallacity.org |
| City of Rainbow City | Joel Garmon | 256-413-1230 | jgarmon@rbcalabama.com |
| City of Southside | Judd Rich | 256-442-9775 Ext. 103 | juddrich@cityofsouthside.com |
| City of Glencoe | Todd Means | 256-492-1424 | toddmeans@cityofglencoe.org |
| City of Hokes Bluff | Lisa Lowman | 256-492-2414 | lisa.lowman@cityofhokesbluff.com |
| Etowah County | Robert Nail | 256-549-5358 | rnail@etowahcounty.org |

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

## 6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

_____ _____

Signature of Responsible Official Date

_____ _____

Print Name and Title MS4 Entity

## 7.0 Acknowledgement

S&ME certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

## 8.0 Closing

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

**S&ME, Inc.**

Kyndall M. Jenkins
Environmental Technician

Deborah J. Jones, P.E.
Senior Engineer

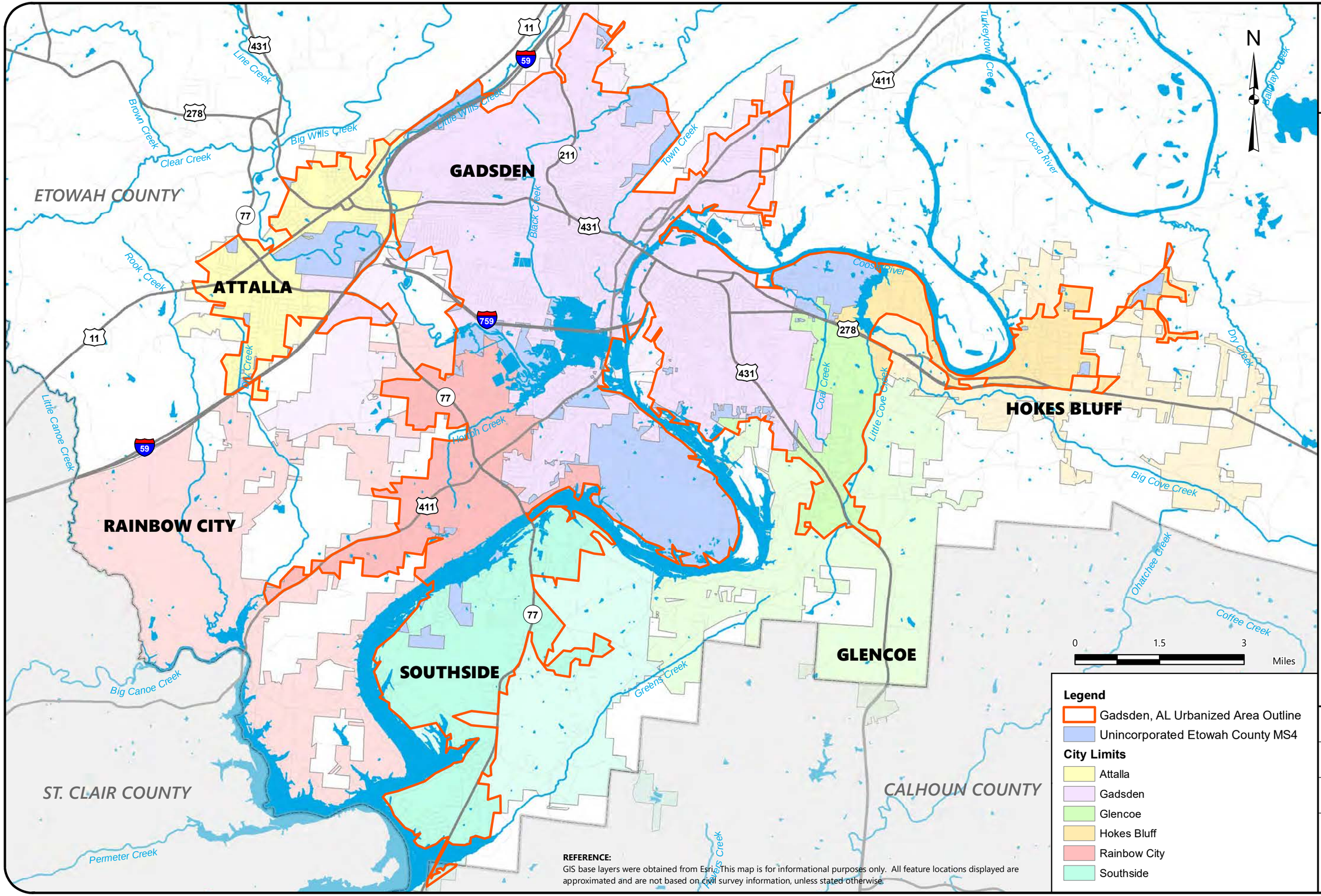
# Appendices

# Appendix I – Figures

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – Rain Gauge Location

Figure 3 – MS4 Monitoring Locations




# GADSDEN-ETOWAH MS4 BOUNDARIES

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE:
1:100,000

DATE:
12/21/2023

PROJECT NUMBER
23820129

FIGURE NO.
1

# SEPTEMBER 13 AND 14, 2024 RAIN EVENT

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

0 1.5 3 Miles

N

KALGADSD3
KALGADSD117
KALGADSD102
KALHOKES6
KALATTAL22
KALHOKES2
KALGADSD122
KALGLENC7
KALGADSD76
KALRAINB19
KALRAINB17
KALGLENC5
KALSOUTH7
KALASHVI18
KALASHVI19

ATTALLA
GADSDEN
HOKES BLUFF
RAINBOW CITY
SOUTHSIDE
GLENCOE
ETOWAH COUNTY
CALHOUN COUNTY
ST. CLAIR COUNTY

Line Creek
Brown Creek
Clear Creek
Big Wills Creek
Little Wills Creek
Town Creek
Black Creek
Rook Creek
Dry Creek
Hurricane Creek
Little Canoe Creek
Big Canoe Creek
Permeter Creek
Coal Creek
Little Cove Creek
Big Cove Creek
Greens Creek
Turkeytown Creek
Coosa River
Dallipley Creek

Legend

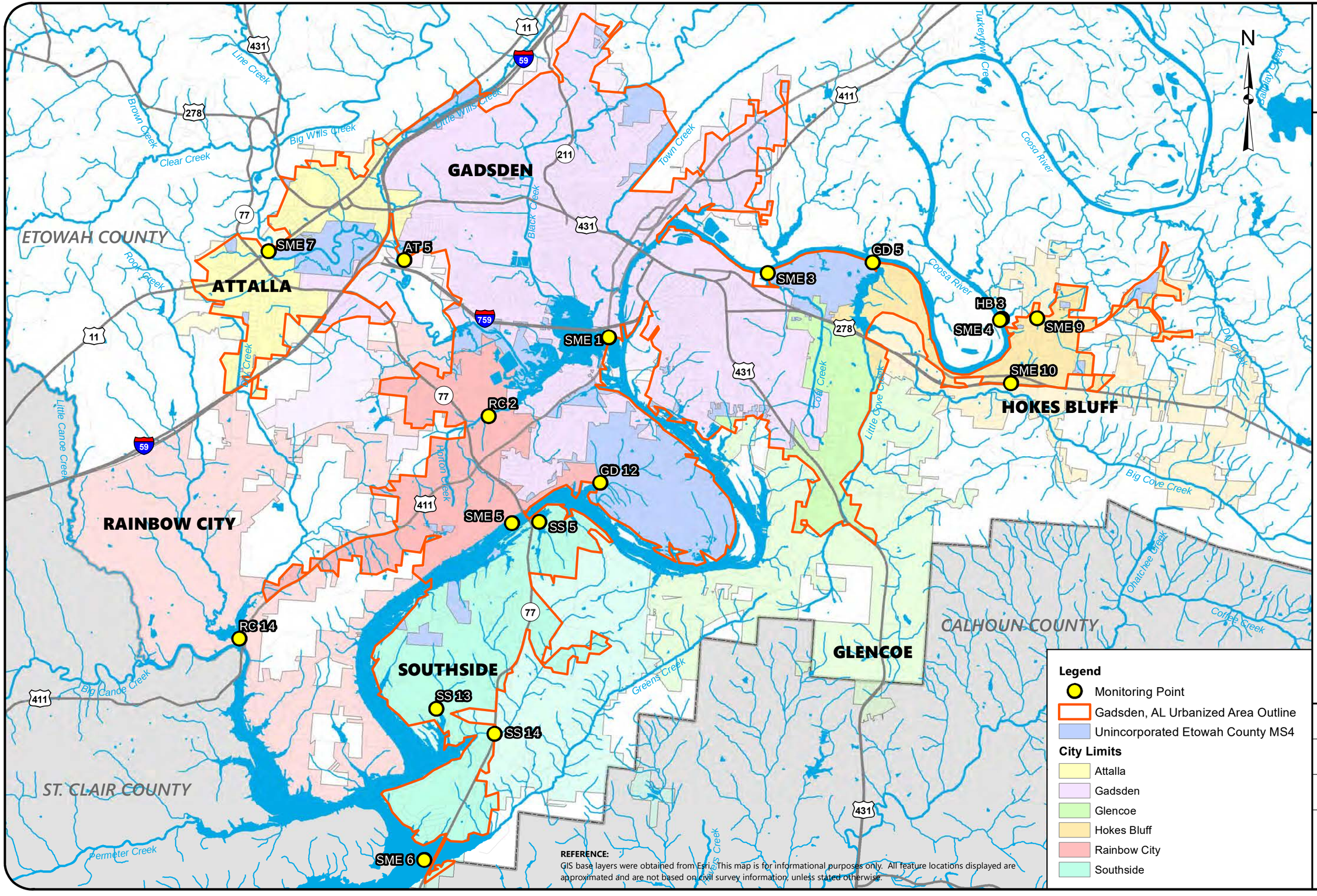
- Gadsden, AL Urbanized Area Outline
- Rain Gauge - Not Reporting
- Rain Gauge - Qualifying
- Rain Gauge - Not Qualifying
- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside
- Unincorporated Etowah County MS4

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

SCALE: 1:100,000
DATE: 12/13/2024
PROJECT NUMBER 23820129
FIGURE NO. 2

# WET-WEATHER MONITORING LOCATIONS

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009




**Legend**

- Monitoring Point
- Gadsden, AL Urbanized Area Outline
- Unincorporated Etowah County MS4

**City Limits**

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

| | |
|---|---|
| SCALE: | 1:100,000 |
| DATE: | 11/17/2023 |
| PROJECT NUMBER | 22820261 |
| FIGURE NO. | 3 |

# Appendix II – Tables

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.26 – Historical Analytical Data

## TABLE B.1 - FIELD OBSERVATIONS
## 2024 Q3 MS4 WET-WEATHER MONITORING

| Monitoring Point | Date | Time | Sample Depth (ft) | Personnel | Weather Conditions | Waterbody Conditions |
|---|---|---|---|---|---|---|
| AT 5 | 9/16/2024 | 14:40 | Surface | ST/GK | Partly Cloudy | Smooth |
| GD 12 | 9/16/2024 | 14:05 | Surface | ST/GK | Partly Cloudy | Smooth |
| RC 2 | 9/16/2024 | 14:20 | Surface | ST/GK | Partly Cloudy | Smooth |
| SME 7 | 9/16/2024 | 11:15 | Surface | ST/GK | Partly Cloudy | Smooth |
| SME 9 | 9/16/2024 | 12:00 | Surface | ST/GK | Partly Cloudy | Smooth |
| SME 10 | 9/16/2024 | 12:20 | Surface | ST/GK | Partly Cloudy | Smooth |
| SS 13 | 9/16/2024 | 12:55 | Surface | ST/GK | Partly Cloudy | Smooth |
| SS 14 | 9/16/2024 | 13:10 | Surface | ST/GK | Partly Cloudy | Smooth |
| GD 5 | 9/16/2024 | 12:30 | -5 | NW | Cloudy | Calm |
| HB 3 | 9/16/2024 | 12:05 | -5 | NW | Cloudy | Calm |
| RC 14 | 9/16/2024 | 14:23 | -5 | NW | Cloudy | Calm |
| SME 1 | 9/16/2024 | 12:55 | -5 | NW | Cloudy | Calm |
| SME 3 | 9/16/2024 | 12:40 | -5 | NW | Cloudy | Calm |
| SME 4 | 9/16/2024 | 12:15 | -5 | NW | Cloudy | Calm |
| SME 5 | 9/16/2024 | 13:50 | -5 | NW | Cloudy | Calm |
| SME 6 | 9/16/2024 | 14:08 | -5 | NW | Cloudy | Calm |
| SS 5 | 9/16/2024 | 13:40 | -5 | NW | Cloudy | Calm |

## TABLE B.2 - ANALYTICAL DATA
## 2024 Q3 MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Monitoring Point** | **Date** | **Turbidity (NTU)** | **pH** | **DO (mg/L)** | **Sample Temp (°C)** | **TSS (mg/L)** | **TKN (mg/L)** | **Nitrate-Nitrite (mg/L)** | **Total Phosphorus (mg/L)** | **Ortho-Phosphate (mg/L)** |
| AT 5 | 9/16/2024 | 7.40 | 7.06 | 7.88 | 23.7 | 12.0 | 0.473 | 1.68 | 0.740 | 0.570 |
| GD 12 | 9/16/2024 | 3.20 | 6.92 | 8.53 | 25.7 | 2.70 | 0.399 | <0.0500 | 0.126 | 0.0160 |
| RC 2 | 9/16/2024 | 6.70 | 7.43 | 3.73 | 24.8 | 6.13 | 0.502 | <0.0500 | 0.106 | 0.0240 |
| SME 7 | 9/16/2024 | 7.40 | 8.26 | 8.03 | 21.9 | 14.1 | 0.403 | 1.58 | 0.678 | 0.577 |
| *SME 12* | 9/16/2024 | *DUPLICATE OF AT 5* | | | | *10.1* | *0.399* | *1.65* | *0.780* | *0.564* |
| SME 9 | 9/16/2024 | 1.60 | 7.65 | 6.20 | 24.2 | <5.00 | 0.580 | <0.0500 | 0.115 | <0.0140 |
| SME 10 | 9/16/2024 | 5.50 | 7.13 | 5.26 | 24.8 | <10.0 | 1.38 | 0.212 | 0.106 | 0.0180 |
| SS 13 | 9/16/2024 | 9.00 | 7.58 | 8.15 | 26.7 | 14.8 | 0.877 | <0.0500 | 0.129 | <0.0140 |
| SS 14 | 9/16/2024 | 5.20 | 8.03 | 7.89 | 25.0 | 10.0 | 1.33 | 0.0955 | 0.201 | 0.0330 |
| GD 5 | 9/16/2024 | 8.16 | 7.77 | 6.99 | 25.9 | 12.4 | 0.750 | <0.0500 | 0.0600 | <0.0140 |
| HB 3 | 9/16/2024 | 9.59 | 7.63 | 7.12 | 25.1 | 12.2 | 0.637 | <0.0500 | 0.0711 | <0.0140 |
| RC 14 | 9/16/2024 | 8.35 | 8.15 | 8.44 | 26.2 | 14.4 | 0.738 | <0.0500 | 0.0709 | <0.0140 |
| SME 1 | 9/16/2024 | 3.45 | 8.15 | 8.55 | 26.4 | 7.11 | 0.699 | <0.0500 | 0.0871 | <0.0140 |
| SME 3 | 9/16/2024 | 7.12 | 7.73 | 7.45 | 26.3 | 12.7 | 0.784 | <0.0500 | 0.108 | <0.0140 |
| SME 4 | 9/16/2024 | 3.44 | 7.68 | 6.79 | 25.3 | 11.5 | 0.709 | <0.0500 | 0.0824 | <0.0140 |
| *SME 11* | 9/16/2024 | *DUPLICATE OF SME 4* | | | | *6.60* | *0.654* | *<0.0500* | *0.119* | <0.0140 |
| SME 5 | 9/16/2024 | 5.02 | 8.23 | 8.27 | 26.8 | 8.60 | 0.792 | 0.0936 | 0.0952 | <0.0140 |
| SME 6 | 9/16/2024 | 7.03 | 8.28 | 8.30 | 26.6 | 20.4 | 0.767 | <0.0500 | 0.0908 | <0.0140 |
| SS 5 | 9/16/2024 | 5.75 | 8.44 | 9.43 | 26.6 | 12.0 | 0.750 | <0.0500 | 0.0875 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
NS - Not Sampled

Bold - maximum reading for constituent
NA - not availabe at this time
* - value unknown due to equipment malfuction

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 3/12/2013 | 15 | 7.80 | 11.04 | 12.55 | 20.0 | 0.37 | 0.61 | 0.14 | 0.150 |
| AT 5 | 5/8/2013 | 25 | 5.08 | 2.59 | 14.69 | 19.0 | 0.56 | 0.31 | 0.11 | 0.099 |
| AT 5 | 9/23/2013 | 21 | 5.96 | 3.95 | 22.88 | 22.0 | 0.37 | 1.30 | 0.35 | 0.400 |
| AT 5 | 12/10/2013 | 68 | 5.32 | 11.43 | 8.21 | 64.0 | 0.97 | 0.79 | 0.34 | 0.290 |
| AT 5 | 2/6/2014 | 40 | 4.06 | 15.29 | 7.28 | 32.0 | 0.35 | 0.80 | 0.13 | 0.130 |
| AT 5 | 6/26/2014 | 70 | 7.85 | 7.61 | 23.89 | 19.0 | 0.38 | 0.77 | 0.28 | 0.340 |
| AT 5 | 9/30/2014 | 15 | 5.78 | 6.63 | 21.03 | 14.0 | <0.25 | 0.94 | 0.54 | 0.490 |
| AT 5 | 11/19/2014 | 47 | 5.08 | 10.23 | 6.91 | 27.0 | 0.50 | 1.30 | 0.39 | 0.410 |
| AT 5 | 3/23/2015 | 17 | 8.69 | 9.39 | 14.5 | 15.0 | 0.27 | 0.71 | 0.14 | 0.130 |
| AT 5 | 4/22/2015 | 53 | 6.93 | 11.13 | 18.4 | 76.0 | <0.25 | 0.69 | 0.13 | 0.110 |
| AT 5 | 9/30/2015 | 15 | 6.37 | 9.45 | 21.63 | 16.4 | <0.25 | 1.82 | 0.86 | 0.664 |
| AT 5 | 11/19/2015 | 934 | 7.38 | 19.33 | 14.98 | 74.6 | 1.47 | 0.67 | 0.31 | 0.261 |
| AT 5 | 3/15/2016 | 30.2 | 7.93 | 20.43 | 16.86 | 26.7 | 0.772 | 0.578 | <0.100 | 0.068 |
| AT 5 | 6/29/2016 | 18.1 | 7.99 | 6.57 | 25.4 | 14.5 | <0.250 | 0.800 | 0.71 | 0.598 |
| AT 5 | 8/9/2016 | 17.1 | 7.89 | 6.47 | 25.8 | 18.3 | 0.268 | 0.975 | 0.502 | 0.482 |
| AT 5 | 12/7/2016 | 26.5 | 7.08 | 10.19 | 11.3 | 16.9 | <0.250 | 0.663 | 0.474 | 0.450 |
| AT 5 | 3/2/2017 | 50.8 | 8.14 | 8.86 | 13.4 | 44.6 | 0.529 | 1.08 | 0.373 | 0.267 |
| AT 5 | 6/21/2017 | 11.7 | 7.98 | 6.74 | 23.3 | 70.0 | 0.544 | 0.616 | 0.366 | 0.226 |
| AT 5 | 8/17/2017 | 9.5 | 8.09 | 6.77 | 26.0 | 12.0 | 0.690 | 0.890 | 0.283 | 0.258 |
| AT 5 | 10/26/2017 | 9.8 | 7.95 | 8.25 | 15.7 | 9.4 | <0.250 | 0.936 | 0.250 | 0.226 |
| AT 5 | 3/27/2018 | 14.5 | 7.79 | 9.03 | 12.9 | 15.9 | <0.250 | 0.849 | 0.148 | 0.162 |
| AT 5 | 6/26/2018 | 16.4 | 8.06 | 6.89 | 25.5 | 25.2 | 0.411 | 0.849 | 0.246 | 0.230 |
| AT 5 | 8/1/2018 | 77.9 | 7.33 | 7.16 | 22.3 | 107.0 | 0.680 | 0.510 | 0.401 | 0.285 |
| AT 5 | 12/11/2018 | 29.2 | 7.59 | 10.73 | 9.4 | 46.2 | 0.579 | 1.09 | 0.204 | 0.066 |

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 4/17/2019 | 12.2 | 7.63 | 8.99 | 17.9 | 14.4 | <0.250 | 0.638 | <0.100 | 0.061 |
| AT 5 | 6/11/2019 | 24.6 | 7.18 | 3.48 | 22.2 | 15.9 | 0.486 | 0.822 | 0.290 | 0.206 |
| AT 5 | 8/28/2019 | 20.7 | 7.84 | 7.42 | 27.1 | 23.5 | 1.070 | 0.534 | 0.485 | 0.404 |
| AT 5 | 10/28/2019 | 22.5 | 7.84 | 8.45 | 15.1 | 17.0 | <0.250 | 0.665 | 0.499 | 0.523 |
| AT 5 | 3/31/2020 | 23.1 | 8.09 | 9.07 | 16.6 | 27.1 | <0.250 | 0.657 | 0.102 | 0.032 |
| AT 5 | 6/10/2020 | 19.4 | 7.56 | 7.35 | 23.2 | 22.8 | <0.250 | 0.825 | 0.243 | 0.248 |
| AT 5 | 9/21/2020 | NS | 8.08 | 8.21 | 20.6 | 11.3 | <0.250 | 0.603 | 0.399 | 0.491 |
| AT 5 | 12/17/2020 | 28.7 | 7.91 | 11.21 | 9.6 | 18.6 | <0.250 | 0.831 | <0.100 | 0.087 |
| AT 5 | 3/18/2021 | 119.0 | 7.82 | 10.68 | 17.2 | 55.6 | <0.250 | 0.310 | <0.100 | 0.050 |
| AT 5 | 5/5/2021 | 6.5 | 7.24 | 8.45 | 18.1 | 43.7 | 1.37 | 6.86 | 0.157 | 0.121 |
| AT 5 | 9/2/2021 | EF | EF | 7.75 | 23.4 | 67.4 | 0.969 | 0.482 | 0.262 | 0.131 |
| AT 5 | 11/23/2021 | <1.0 | 8.13 | 11.09 | 12.9 | 2.6 | <0.250 | 0.343 | 0.253 | <0.0300 |
| AT 5 | 1/10/2022 | 20.8 | 7.39 | 11.46 | 10.0 | 29.7 | 0.279 | 0.769 | 0.184 | 0.126 |
| AT 5 | 4/7/2022 | 21.9 | 7.53 | 9.30 | 16.6 | 33.8 | 0.380 | 0.509 | 0.121 | 0.101 |
| AT 5 | 8/3/2022 | 21.7 | 8.17 | 7.50 | 26.0 | 30.8 | 0.702 | 0.715 | 0.323 | 0.271 |
| AT 5 | 11/16/2022 | 6.4 | 7.80 | 10.62 | 11.1 | 7.3 | <0.250 | 0.366 | 0.420 | 0.448 |
| AT 5 | 2/13/2023 | 32.6 | 7.29 | 11.01 | 11.5 | 38.0 | 0.301 | 0.699 | <0.100 | 0.081 |
| AT 5 | 5/24/2023 | 14.4 | 7.80 | 8.94 | 20.0 | 20.0 | 0.331 | 0.697 | 0.182 | 0.127 |
| AT 5 | 8/7/2023 | 10.54 | 7.87 | 9.13 | 26.5 | 12.4 | 0.291 | 0.832 | 0.430 | 0.373 |
| AT 5 | 12/12/2023 | 22.78 | 7.77 | 8.71 | 9.1 | 10.9 | 0.329 | 0.696 | 0.782 | 0.752 |
| AT 5 | 1/10/2024 | 185.14 | 7.45 | 8.57 | 8.8 | 220.0 | 0.732 | 0.642 | 0.498 | 0.299 |
| AT 5 | 5/20/2024 | 9.07 | 7.74 | 8.53 | 28.1 | 11.6 | <0.250 | 0.737 | 0.192 | 0.120 |
| AT 5 | 9/16/2024 | 7.40 | 7.06 | 7.88 | 23.7 | 12.0 | 0.473 | 1.68 | 0.740 | 0.570 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 3/12/2013 | 8.5 | 7.41 | 10.93 | 13.43 | 3.9 | 0.54 | 0.25 | <0.100 | 0.030 |
| GD 12 | 5/8/2013 | 15.0 | 6.73 | 2.35 | 16.53 | 7.5 | 0.40 | 0.21 | <0.100 | 0.030 |
| GD 12 | 9/23/2013 | 9.8 | 6.76 | 3.94 | 26.07 | 9.0 | 0.48 | <0.10 | <0.100 | 0.026 |
| GD 12 | 12/10/2013 | 18.8 | 6.15 | 10.09 | 10.18 | 5.9 | 0.45 | 0.22 | 0.11 | 0.079 |
| GD 12 | 2/6/2014 | 12.3 | 4.17 | 16.99 | 5.76 | 3.9 | 0.28 | 0.31 | <0.100 | <0.025 |
| GD 12 | 6/26/2014 | 28.5 | 8.38 | 9.40 | 26.72 | 32.0 | 0.62 | 0.11 | 0.12 | 0.035 |
| GD 12 | 9/30/2014 | 10.6 | 7.68 | 5.77 | 24.68 | 11.0 | 0.39 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2014 | 14.7 | 6.95 | 5.93 | 5.85 | 6.6 | 0.39 | 0.28 | 0.13 | <0.025 |
| GD 12 | 3/23/2015 | 17.6 | 7.80 | 9.56 | 16.80 | 8.1 | 0.59 | 0.24 | <0.100 | <0.025 |
| GD 12 | 4/22/2015 | 17.3 | 7.45 | 11.04 | 19.80 | 14.0 | 0.43 | 0.25 | <0.100 | <0.025 |
| GD 12 | 9/30/2015 | 7.4 | 7.30 | 11.07 | 24.67 | 8.5 | 0.695 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2015 | 22.9 | 7.07 | 19.14 | 14.68 | 12.0 | 0.769 | 0.281 | 0.15 | 0.100 |
| GD 12 | 3/15/2016 | 9.8 | 7.43 | 13.14 | 16.05 | 4.6 | 0.434 | 0.254 | <0.100 | 0.032 |
| GD 12 | 6/29/2016 | 12.9 | 8.22 | 7.68 | 31.20 | 12.0 | 0.380 | <0.100 | <0.100 | 0.036 |
| GD 12 | 8/9/2016 | 22.1 | 7.57 | 4.39 | 27.60 | 13.3 | 0.629 | <0.100 | <0.100 | <0.025 |
| GD 12 | 12/7/2016 | 10.3 | 7.18 | 6.65 | 11.4 | 4.0 | 0.599 | 0.142 | <0.100 | <0.025 |
| GD 12 | 3/2/2017 | 15.4 | 7.79 | 10.12 | 11.70 | 6.1 | 0.583 | 0.223 | 0.12 | <0.025 |
| GD 12 | 6/21/2017 | 16.1 | 7.43 | 5.12 | 24.3 | 16.8 | 0.770 | <0.100 | <0.100 | <0.025 |
| GD 12 | 8/17/2017 | 6.3 | 8.13 | 5.80 | 29.90 | 13.3 | 0.583 | <0.100 | <0.100 | <0.025 |
| GD 12 | 10/26/2017 | 9.8 | 6.74 | 7.53 | 13.2 | 7.8 | 0.312 | 0.19 | <0.100 | <0.025 |
| GD 12 | 3/27/2018 | 6.3 | 7.71 | 9.24 | 11.5 | 4.2 | <0.25 | 0.356 | <0.100 | <0.025 |
| GD 12 | 6/26/2018 | 9.9 | 7.44 | 4.35 | 26.1 | 13.2 | 0.528 | 0.102 | <0.100 | <0.025 |
| GD 12 | 8/1/2018 | 42.3 | 7.05 | 7.33 | 22.7 | 43.8 | 1.230 | 0.108 | 0.286 | 0.159 |
| GD 12 | 12/11/2018 | 9.5 | 6.68 | 11.46 | 7.8 | 4.3 | 0.574 | 0.313 | <0.100 | <0.025 |

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 4/17/2019 | 9.1 | 7.45 | 9.20 | 17.5 | 4.0 | 0.272 | 0.257 | <0.100 | <0.025 |
| GD 12 | 6/11/2019 | 19.0 | 7.20 | 3.25 | 22.0 | 8.2 | 0.820 | 0.223 | 0.121 | 0.066 |
| GD 12 | 8/28/2019 | 11.0 | 7.83 | 7.61 | 28.2 | 9.4 | 0.764 | <0.100 | 0.103 | <0.025 |
| GD 12 | 10/28/2019 | 18.9 | 5.34 | 6.65 | 14.7 | 12.3 | 0.387 | 0.197 | <0.100 | 0.044 |
| GD 12 | 3/31/2020 | 76.3 | 6.71 | 9.44 | 14.5 | 143 | 1.00 | 0.177 | 0.167 | 0.0650 |
| GD 12 | 6/10/2020 | 12.3 | 6.46 | 6.44 | 25.8 | 11.4 | 0.438 | <0.100 | <0.100 | <0.030 |
| GD 12 | 9/21/2020 | NS | 7.18 | 7.15 | 19.9 | 7.6 | <0.250 | 0.103 | <0.100 | <0.030 |
| GD 12 | 12/17/2020 | 13.1 | 8.03 | 11.10 | 8.5 | 3.7 | <0.250 | 0.268 | <0.100 | <0.030 |
| GD 12 | 3/18/2021 | 36.2 | 7.92 | 10.04 | 17.1 | 17.6 | 0.621 | 0.163 | <0.100 | <0.030 |
| GD 12 | 5/5/2021 | 4.1 | 7.49 | 8.97 | 18.9 | 16.4 | 0.610 | 7.26 | <0.100 | <0.030 |
| GD 12 | 9/2/2021 | EF | EF | 7.34 | 24.4 | 3.5 | 0.779 | 0.245 | <0.100 | <0.030 |
| GD 12 | 11/23/2021 | <1.0 | 7.80 | 11.27 | 12.5 | 2.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 1/10/2022 | 10.7 | 7.29 | 12.18 | 8.5 | 3.7 | 0.325 | 0.230 | <0.100 | <0.0300 |
| GD 12 | 4/7/2022 | 6.19 | 7.51 | 9.97 | 17.0 | 3.4 | 0.522 | 0.177 | <0.100 | 0.0740 |
| GD 12 | 8/3/2022 | 11.8 | 8.09 | 8.02 | 31.5 | 6.4 | 0.999 | <0.100 | 0.142 | <0.0300 |
| GD 12 | 11/16/2022 | 3.9 | 7.25 | 9.67 | 11.2 | 4.5 | 0.407 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 2/13/2023 | 10.0 | 5.69 | 11.45 | 12.2 | 2.9 | 0.750 | 0.277 | <0.100 | <0.0300 |
| GD 12 | 5/24/2023 | 4.3 | 7.73 | 9.20 | 20.5 | 4.60 | 0.357 | 0.293 | 0.0372 | 0.0440 |
| GD 12 | 8/7/2023 | 8.17 | 7.85 | 8.85 | 31.0 | 5.20 | 0.813 | <0.100 | 0.0945 | <0.0300 |
| GD 12 | 12/12/2023 | 4.80 | 7.44 | 7.67 | 9.8 | <2.50 | 0.412 | 0.164 | 0.0233 | <0.0140 |
| GD 12 | 1/10/2024 | 15.55 | 7.21 | 8.93 | 9.0 | 5.60 | 0.437 | 0.389 | 0.0611 | 0.0410 |
| GD 12 | 5/20/2024 | 14.36 | 7.10 | 7.69 | 26.8 | 9.80 | 0.496 | 0.102 | 0.0698 | <0.0300 |
| GD 12 | 9/16/2024 | 3.20 | 6.92 | 8.53 | 25.7 | 2.70 | 0.399 | <0.0500 | 0.126 | 0.0160 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 3/12/2013 | 29.1 | 7.73 | 9.83 | 10.53 | 14.0 | 0.75 | 0.12 | <0.100 | 0.088 |
| RC 2 | 5/8/2013 | 18.9 | 6.16 | 3.06 | 16.36 | 12.0 | 0.55 | 0.19 | <0.100 | <0.025 |
| RC 2 | 9/23/2013 | 11.4 | 6.24 | 3.00 | 23.61 | 6.3 | 0.43 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/10/2013 | 33.6 | 6.07 | 11.71 | 8.38 | 10.0 | 0.54 | 0.11 | <0.100 | 0.062 |
| RC 2 | 2/6/2014 | 30.4 | 3.89 | 17.28 | 5.62 | 9.6 | 0.43 | 0.26 | <0.100 | <0.025 |
| RC 2 | 6/26/2014 | 17.6 | 7.90 | 6.81 | 24.81 | 7.2 | 0.44 | 0.15 | <0.100 | <0.025 |
| RC 2 | 9/30/2014 | 3.4 | 7.27 | 5.55 | 22.25 | 2.5 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2014 | 27.4 | 5.65 | 7.14 | 5.72 | 11.0 | 0.43 | 0.17 | <0.100 | <0.025 |
| RC 2 | 3/23/2015 | 45.0 | 8.23 | 9.07 | 16.00 | 18.0 | 0.81 | 0.15 | <0.100 | 0.044 |
| RC 2 | 4/22/2015 | 14.1 | 7.64 | 11.42 | 18.40 | 4.8 | <0.25 | 0.26 | <0.100 | <0.025 |
| RC 2 | 9/30/2015 | 7.1 | 5.93 | 9.28 | 23.33 | 4.6 | <0.25 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2015 | 114.0 | 7.36 | 21.94 | 15.29 | 14.4 | 0.75 | 0.271 | 0.133 | <0.025 |
| RC 2 | 3/15/2016 | 14.5 | 7.62 | 16.67 | 14.61 | 6.0 | 0.43 | 0.181 | <0.100 | <0.025 |
| RC 2 | 6/29/2016 | 12.1 | 7.78 | 4.31 | 28.30 | 10.9 | 0.35 | <0.100 | <0.100 | 0.077 |
| RC 2 | 8/9/2016 | 24.5 | 8.12 | 5.05 | 26.50 | 9.9 | 0.45 | 0.140 | <0.100 | <0.025 |
| RC 2 | 12/7/2016 | 17.2 | 7.86 | 7.47 | 12.0 | 11.9 | 0.53 | 0.200 | <0.100 | <0.025 |
| RC 2 | 3/2/2017 | 25.3 | 7.71 | 7.74 | 13.10 | 8.0 | 0.45 | 0.166 | <0.100 | <0.025 |
| RC 2 | 6/21/2017 | 14.2 | 7.91 | 5.61 | 23.7 | 12.3 | 0.51 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/17/2017 | 18.2 | 8.08 | 4.94 | 27.90 | 72.2 | 0.72 | <0.100 | 0.133 | <0.025 |
| RC 2 | 10/26/2017 | 18.1 | 7.57 | 7.05 | 15.2 | 17.5 | 0.27 | <0.100 | <0.100 | <0.025 |
| RC 2 | 3/27/2018 | 18.2 | 7.91 | 8.43 | 12.4 | 12.5 | <0.25 | 0.146 | <0.100 | <0.025 |
| RC 2 | 6/26/2018 | 18.8 | 7.94 | 6.19 | 26.5 | 13.0 | 0.802 | 0.101 | <0.100 | <0.025 |
| RC 2 | 8/1/2018 | 56.8 | 7.40 | 7.10 | 22.4 | 84.4 | 0.506 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/11/2018 | 16.0 | 7.54 | 11.41 | 7.7 | 3.1 | 0.479 | 0.316 | <0.100 | <0.025 |

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 4/17/2019 | 7.0 | 7.77 | 8.67 | 18.9 | <5.00 | 0.288 | 0.165 | <0.100 | <0.025 |
| RC 2 | 6/11/2019 | 14.3 | 6.83 | 3.78 | 23.0 | 5.2 | 0.520 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/28/2019 | 14.4 | 8.01 | 7.30 | 28.0 | 4.8 | 0.748 | <0.100 | <0.100 | <0.025 |
| RC 2 | 10/28/2019 | 11.4 | 7.55 | 9.42 | 14.9 | 3.4 | <0.250 | 0.132 | 0.197 | <0.025 |
| RC 2 | 3/31/2020 | 84.5 | 7.90 | 9.10 | 15.7 | 90.0 | 0.574 | 0.190 | 0.118 | 0.0290 |
| RC 2 | 6/10/2020 | 20.5 | 7.87 | 6.37 | 25.6 | 10.8 | 0.330 | 0.210 | <0.100 | <0.030 |
| RC 2 | 9/21/2020 | NS | 7.24 | 7.03 | 19.6 | 5.2 | <0.250 | <0.100 | <0.100 | <0.030 |
| RC 2 | 12/17/2020 | 28.1 | 7.91 | 11.23 | 8.9 | 5.4 | 0.396 | 0.218 | <0.100 | <0.030 |
| RC 2 | 3/18/2021 | 67.5 | 7.90 | 8.68 | 16.7 | 26.8 | 0.611 | 0.145 | <0.100 | <0.030 |
| RC 2 | 5/5/2021 | 2.8 | 7.31 | 8.95 | 19.1 | 15.6 | 0.892 | 7.91 | <0.100 | <0.030 |
| RC 2 | 9/2/2021 | EF | EF | 6.52 | 25.0 | 3.4 | 0.802 | 0.122 | <0.100 | <0.030 |
| RC 2 | 11/23/2021 | 3.5 | 7.66 | 8.33 | 12.2 | 19.2 | 0.340 | 0.124 | <0.100 | <0.0300 |
| RC 2 | 1/10/2022 | 32.1 | 7.27 | 11.50 | 8.4 | 9.0 | 0.501 | 0.185 | <0.100 | <0.0300 |
| RC 2 | 4/7/2022 | 10.96 | 7.41 | 9.02 | 17.5 | 5.0 | 0.386 | 0.186 | 0.144 | <0.0300 |
| RC 2 | 8/3/2022 | 15.1 | 8.26 | 7.41 | 27.1 | 13.8 | 0.352 | 0.175 | <0.100 | <0.0300 |
| RC 2 | 11/16/2022 | 19.4 | 7.35 | 8.84 | 11.2 | 13.4 | 0.434 | 0.126 | <0.100 | <0.0300 |
| RC 2 | 2/13/2023 | 20.0 | 7.12 | 11.58 | 10.9 | 5.3 | 0.636 | 0.273 | <0.100 | <0.0300 |
| RC 2 | 5/24/2023 | 16.0 | 7.56 | 8.31 | 20.5 | 22.8 | 0.542 | 0.142 | 0.0469 | <0.0140 |
| RC 2 | 8/7/2023 | 5.75 | 7.80 | 6.55 | 28.2 | 6.20 | 0.676 | <0.100 | 0.0662 | <0.0300 |
| RC 2 | 12/12/2023 | 21.62 | 7.58 | 7.25 | 8.9 | 6.60 | 0.634 | 0.166 | 0.0448 | <0.0140 |
| RC 2 | 1/10/2024 | 32.58 | 7.56 | 8.81 | 8.3 | 15.2 | 0.816 | 0.511 | 0.0428 | 0.0150 |
| RC 2 | 5/20/2024 | 17.18 | 6.19 | 6.19 | 23.2 | 11.7 | 0.424 | 0.142 | 0.0687 | 0.0160 |
| RC 2 | 9/16/2024 | 6.70 | 7.43 | 3.73 | 24.8 | 6.13 | 0.502 | <0.0500 | 0.106 | 0.0240 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.6 - HISTORICAL ANALYTICAL DATA - SME 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 7 | 12/17/2020 | 16.8 | 8.10 | 11.01 | 11.5 | 19.4 | 0.541 | 0.884 | <0.100 | 0.094 |
| SME 7 | 3/18/2021 | 111.0 | 8.93 | 10.25 | 18.3 | 78.2 | 0.407 | 0.429 | 0.270 | 0.093 |
| SME 7 | 5/5/2021 | 8.2 | 6.06 | 8.01 | 18.4 | 36.4 | 1.240 | 1.090 | 0.244 | 0.112 |
| SME 7 | 9/2/2021 | EF | EF | 7.91 | 22.6 | 77.6 | 2.490 | 0.491 | 0.275 | 0.179 |
| SME 7 | 11/23/2021 | <1.0 | 7.78 | 10.45 | 12.2 | <2.50 | <0.250 | 0.367 | 0.516 | 0.472 |
| SME 7 | 1/10/2022 | 19.2 | 7.97 | 10.98 | 11.9 | 34.7 | 0.805 | 0.823 | 0.211 | 0.140 |
| SME 7 | 4/7/2022 | EF | 7.10 | 9.27 | 18.0 | 37.2 | 1.37 | 0.549 | 0.264 | <0.0300 |
| SME 7 | 8/3/2022 | 24.8 | 8.32 | 7.69 | 24.6 | 31.0 | 0.844 | 0.742 | 0.373 | 0.314 |
| SME 7 | 11/16/2022 | 4.9 | 7.87 | 10.30 | 11.1 | 3.8 | <0.250 | 0.424 | 0.528 | 0.490 |
| SME 7 | 2/13/2023 | 34.3 | 7.12 | 11.11 | 11.4 | 36.2 | 1.01 | 0.737 | 0.115 | <0.0300 |
| SME 7 | 5/24/2023 | 38.5 | 7.92 | 8.86 | 18.6 | 21.0 | 0.474 | 0.749 | 0.206 | 0.143 |
| SME 7 | 8/7/2023 | 11.40 | 7.93 | 8.93 | 25.8 | 12.3 | 0.393 | 0.916 | 0.469 | 0.403 |
| SME 7 | 12/12/2023 | 23.45 | 8.01 | 8.85 | 9.6 | 6.80 | 0.262 | 0.584 | 0.748 | 0.705 |
| SME 7 | 1/10/2024 | 194.24 | 7.45 | 8.84 | 9.1 | 183 | 0.548 | 0.729 | 0.470 | 0.320 |
| SME 7 | 5/20/2024 | 10.34 | 7.74 | 8.34 | 21.8 | 13.5 | <0.250 | 0.821 | 0.206 | 0.162 |
| SME 7 | 9/16/2024 | 7.40 | 8.26 | 8.03 | 21.9 | 14.1 | 0.403 | 1.58 | 0.678 | 0.577 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.7 - HISTORICAL ANALYTICAL DATA - SME 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 9 | 4/7/2022 | 5.17 | 7.78 | 9.32 | 17.0 | 2.90 | 0.529 | <0.100 | 0.135 | <0.0300 |
| SME 9 | 8/3/2022 | 9.20 | 8.10 | 7.97 | 25.4 | <2.50 | 0.582 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 11/16/2022 | 2.90 | 7.50 | 9.86 | 12.2 | <2.50 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 2/13/2023 | 10.3 | 7.43 | 11.93 | 10.2 | 2.60 | 0.783 | <0.100 | <0.100 | 0.0900 |
| SME 9 | 5/24/2023 | 16.3 | 8.07 | 11.59 | 21.0 | 59.0 | 0.660 | <0.0500 | <0.0350 | <0.0140 |
| SME 9 | 8/7/2023 | 10.4 | 7.10 | 7.41 | 24.6 | 5.60 | 1.360 | <0.100 | 0.087 | <0.0300 |
| SME 9 | 12/12/2023 | 8.1 | 7.57 | 7.44 | 8.9 | <2.50 | 0.345 | <0.0500 | 0.019 | <0.0140 |
| SME 9 | 1/10/2024 | 15.7 | 7.33 | 8.58 | 8.9 | 4.70 | 1.870 | 0.152 | 0.039 | 0.0160 |
| SME 9 | 5/20/2024 | 1.3 | 7.60 | 6.65 | 23.1 | 2.80 | <0.250 | 0.090 | 0.069 | <0.0300 |
| SME 9 | 9/16/2024 | 1.60 | 7.65 | 6.20 | 24.2 | <5.00 | 0.580 | <0.0500 | 0.115 | <0.0140 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.8 - HISTORICAL ANALYTICAL DATA - SME 10
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 10 | 4/7/2022 | 4.94 | 7.82 | 9.16 | 18.0 | 2.800 | 0.477 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 8/3/2022 | 10.3 | 8.08 | 6.35 | 25.5 | 4.1 | 0.9400 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 11/16/2022 | 9.80 | 7.18 | 8.03 | 12.2 | 4.6 | 0.5160 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 2/13/2023 | 19.1 | 7.32 | 11.34 | 9.7 | 4.000 | 0.773 | 0.185 | <0.100 | <0.0300 |
| SME 10 | 5/24/2023 | 13.4 | 7.42 | 7.50 | 15.5 | 15.0 | 0.349 | 0.143 | 0.0371 | <0.0140 |
| SME 10 | 8/7/2023 | 13.32 | 7.59 | 6.69 | 25.8 | 4.40 | 0.903 | <0.100 | 0.0918 | <0.0300 |
| SME 10 | 12/12/2023 | 18.09 | 7.57 | 5.63 | 10.5 | 10.6 | 0.633 | <0.0500 | 0.0471 | <0.0140 |
| SME 10 | 1/10/2024 | 20.90 | 7.68 | 8.60 | 9.1 | 7.30 | 0.468 | 0.433 | <0.0350 | 0.0170 |
| SME 10 | 5/20/2024 | 8.54 | 7.16 | 5.44 | 23.6 | 10.00 | 0.326 | 0.132 | 0.1120 | <0.0300 |
| SME 10 | 9/16/2024 | 5.50 | 7.13 | 5.26 | 24.8 | <10.0 | 1.38 | 0.212 | 0.106 | 0.0180 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 3/12/2013 | 8 | 7.04 | 9.85 | 11.45 | 4.7 | 0.78 | 0.34 | <0.10 | 0.032 |
| SS 13 | 5/8/2013 | 10 | 6.68 | 2.94 | 18.75 | 5.7 | 0.72 | 0.36 | <0.10 | <0.050 |
| SS 13 | 9/23/2013 | 12 | 7.04 | 3.38 | 25.31 | 9.6 | 0.84 | <0.10 | <0.10 | 0.028 |
| SS 13 | 12/10/2013 | 12.2 | 6.14 | 10.93 | 8.99 | 5.6 | 0.67 | 0.33 | 0.12 | 0.077 |
| SS 13 | 2/6/2014 | 7.2 | 4.26 | 17.50 | 5.14 | 4.1 | 0.44 | 0.42 | <0.100 | <0.025 |
| SS 13 | 6/26/2014 | 23.2 | 8.33 | 8.09 | 28.44 | 5.4 | 0.52 | <0.100 | 0.12 | <0.025 |
| SS 13 | 9/30/2014 | 12.4 | 7.41 | 4.26 | 24.77 | 12.0 | 0.44 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2014 | 13.4 | 6.31 | 6.08 | 6.44 | 4.8 | 0.40 | 0.22 | <0.100 | 0.044 |
| SS 13 | 3/23/2015 | 15.9 | 7.33 | 8.57 | 15.4 | 7.6 | 0.71 | 0.22 | <0.100 | 0.029 |
| SS 13 | 4/22/2015 | 15.3 | 6.60 | 8.93 | 20.8 | 10.0 | 0.67 | 0.32 | <0.100 | <0.025 |
| SS 13 | 9/30/2015 | 9.5 | 7.33 | 11.54 | 25.95 | 9.0 | 0.52 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2015 | 35.8 | 7.07 | 18.48 | 15.31 | 4.8 | 0.97 | 0.242 | 0.181 | <0.025 |
| SS 13 | 3/15/2016 | 9.1 | 6.61 | 12.42 | 17.37 | 4.7 | <0.25 | 0.323 | <0.100 | <0.025 |
| SS 13 | 6/29/2016 | 9.7 | 7.86 | 6.15 | 30.6 | 9.8 | 0.53 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/9/2016 | 20.3 | 7.77 | 5.92 | 29.1 | 24.0 | 0.73 | <0.100 | <0.100 | <0.025 |
| SS 13 | 12/7/2016 | 4.8 | 7.39 | 6.97 | 12.5 | 3.6 | 0.45 | 0.108 | <0.100 | <0.025 |
| SS 13 | 3/2/2017 | 12.0 | 6.64 | 7.19 | 13.4 | 4.6 | 0.75 | 0.249 | <0.100 | <0.025 |
| SS 13 | 6/21/2017 | 8.7 | 7.54 | 5.82 | 26.1 | 12.8 | 0.82 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/17/2017 | 9.3 | 7.93 | 6.54 | 30.9 | 18.6 | 0.81 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/26/2017 | 5.2 | 6.70 | 7.41 | 15.4 | 7.2 | 0.60 | 0.122 | <0.100 | <0.025 |
| SS 13 | 3/27/2018 | 6.4 | 8.19 | 8.23 | 12.4 | 16.2 | <0.25 | 0.495 | <0.100 | <0.025 |
| SS 13 | 6/26/2018 | 6.8 | 7.36 | 5.67 | 29.5 | 10.2 | 0.998 | <0.100 | 0.140 | <0.025 |
| SS 13 | 8/1/2018 | 24.2 | 6.75 | 6.86 | 21.9 | 20.2 | 1.180 | 0.226 | 0.308 | 0.206 |
| SS 13 | 12/11/2018 | 8.2 | 7.37 | 10.79 | 7.4 | 8.6 | 0.655 | 0.451 | <0.100 | <0.025 |

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 4/17/2019 | 6.4 | 7.42 | 9.23 | 19.1 | 6.8 | 0.624 | <0.100 | <0.100 | <0.025 |
| SS 13 | 6/11/2019 | 8.9 | 6.59 | 3.12 | 23.4 | <6.25 | 0.929 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/28/2019 | 6.7 | 7.93 | 7.33 | 29.7 | 24.4 | 1.170 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/28/2019 | 12.3 | 6.25 | 3.61 | 16.0 | 3.7 | 0.739 | 0.211 | <0.100 | 0.031 |
| SS 13 | 3/31/2020 | 60.4 | 6.95 | 8.64 | 14.9 | 92.0 | 0.928 | 0.233 | 0.147 | 0.0580 |
| SS 13 | 6/10/2020 | 10.1 | 7.27 | 7.08 | 28.2 | 21.2 | 0.492 | <0.100 | <0.100 | <0.030 |
| SS 13 | 9/21/2020 | NS | 7.36 | 6.58 | 21.9 | 7.8 | <0.250 | <0.100 | 0.200 | <0.030 |
| SS 13 | 12/17/2020 | 12.3 | 8.04 | 10.83 | 8.3 | 5.3 | 0.432 | 0.405 | <0.100 | <0.030 |
| SS 13 | 3/18/2021 | 26.8 | 7.61 | 9.23 | 16.9 | 16.5 | 0.926 | 0.163 | <0.100 | <0.030 |
| SS 13 | 5/5/2021 | 0.5 | 7.77 | 8.13 | 18.2 | 10.5 | 1.41 | 7.64 | 0.160 | 0.0960 |
| SS 13 | 9/2/2021 | EF | EF | 8.50 | 28.7 | 13.4 | 1.33 | 0.189 | 0.108 | <0.030 |
| SS 13 | 11/23/2021 | <1.0 | 7.11 | 8.26 | 14.8 | 5.3 | 0.331 | 0.16 | <0.100 | <0.0300 |
| SS 13 | 1/10/2022 | 9.1 | 7.71 | 11.23 | 8.8 | 7.0 | 0.725 | 0.295 | <0.100 | <0.0300 |
| SS 13 | 4/7/2022 | 6.7 | 7.40 | 8.72 | 18.2 | 5.3 | 0.886 | 0.304 | <0.100 | <0.0300 |
| SS 13 | 8/3/2022 | 14.2 | 7.92 | 7.03 | 31.4 | 44.4 | 1.650 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 11/16/2022 | 4.4 | 7.06 | 9.81 | 13.1 | 5.5 | 0.263 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 2/13/2023 | 10.6 | 6.45 | 11.05 | 10.9 | 2.5 | 1.000 | 0.459 | <0.100 | <0.0300 |
| SS 13 | 5/24/2023 | 5.2 | 7.28 | 8.44 | 21.7 | 3.73 | 0.903 | 0.358 | 0.0655 | <0.0140 |
| SS 13 | 8/7/2023 | 4.90 | 7.85 | 9.14 | 31.2 | 4.00 | 0.825 | <0.100 | 0.111 | <0.0300 |
| SS 13 | 12/12/2023 | 14.46 | 7.62 | 8.32 | 12.3 | 5.50 | 0.744 | 0.0980 | 0.0822 | <0.0140 |
| SS 13 | 1/10/2024 | 14.16 | 7.33 | 8.43 | 9.2 | 6.71 | 1.72 | 0.426 | 0.0934 | 0.0570 |
| SS 13 | 5/20/2024 | 9.83 | 7.30 | 8.03 | 28.3 | 32.70 | 0.51 | <0.100 | 0.1560 | 0.0320 |
| SS 13 | 9/16/2024 | 9.00 | 7.58 | 8.15 | 26.7 | 14.8 | 0.877 | <0.0500 | 0.129 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 3/12/2013 | 9.7 | 7.40 | 11.23 | 10.93 | 4.7 | 0.77 | 0.40 | 0.11 | 0.087 |
| SS 14 | 5/8/2013 | 10.3 | 6.47 | 2.75 | 16.42 | 5.0 | 0.53 | 0.45 | <0.100 | 0.041 |
| SS 14 | 9/23/2013 | 3.1 | 6.76 | 6.49 | 21.77 | <2.5 | 0.45 | 0.38 | <0.100 | 0.036 |
| SS 14 | 12/10/2013 | 17.6 | 5.63 | 11.33 | 8.56 | 9.2 | 0.66 | 0.28 | 0.19 | 0.160 |
| SS 14 | 2/6/2014 | 12.4 | 4.19 | 17.56 | 5.16 | 14.0 | 0.50 | 0.62 | <0.100 | 0.074 |
| SS 14 | 6/26/2014 | 7.9 | 8.18 | 7.58 | 24.14 | <2.5 | 0.89 | 0.67 | 0.16 | 0.080 |
| SS 14 | 9/30/2014 | 7.9 | 7.42 | 3.67 | 22.35 | 6.1 | 0.52 | <0.100 | <0.100 | 0.031 |
| SS 14 | 11/19/2014 | 16.0 | 6.27 | 7.50 | 5.48 | 9.2 | 0.46 | 0.75 | 0.22 | 0.075 |
| SS 14 | 3/23/2015 | 21.3 | 7.75 | 9.53 | 16.5 | 11.0 | 1.10 | 0.27 | 0.14 | 0.110 |
| SS 14 | 4/22/2015 | 12.3 | 7.43 | 12.29 | 17.5 | 6.3 | 0.58 | 0.620 | <0.100 | <0.025 |
| SS 14 | 9/30/2015 | 7.3 | 7.16 | 12.79 | 24.02 | 6.6 | 0.514 | <0.10 | 0.176 | 0.088 |
| SS 14 | 11/19/2015 | 27.0 | 6.49 | 20.71 | 15.16 | 23.3 | 0.996 | 0.442 | 0.183 | 0.131 |
| SS 14 | 3/15/2016 | 11.3 | 7.18 | 12.11 | 16.01 | 8.1 | 0.834 | 0.50 | <0.100 | 0.056 |
| SS 14 | 6/29/2016 | 6.0 | 7.62 | 3.61 | 27.2 | 6.0 | 0.650 | <0.100 | 0.160 | 0.103 |
| SS 14 | 8/9/2016 | 22.3 | 7.71 | 5.99 | 26.9 | 12.7 | 0.871 | 0.164 | 0.119 | 0.062 |
| SS 14 | 12/7/2016 | 7.6 | 7.27 | 7.72 | 11.9 | <2.5 | 0.705 | 0.885 | 0.147 | 0.078 |
| SS 14 | 3/2/2017 | 12.6 | 7.60 | 8.76 | 12.2 | 9.2 | 0.842 | 0.475 | 0.153 | 0.092 |
| SS 14 | 6/21/2017 | 21.5 | 7.74 | 6.24 | 23.7 | 63.7 | 0.725 | 0.249 | 0.109 | 0.030 |
| SS 14 | 8/17/2017 | 6.0 | 8.12 | 7.11 | 31.4 | 24.8 | 0.827 | 0.118 | <0.100 | 0.070 |
| SS 14 | 10/26/2017 | 4.3 | 7.39 | 7.66 | 13.9 | 3.6 | 0.582 | 0.699 | <0.100 | 0.054 |
| SS 14 | 3/27/2018 | 8.8 | 7.34 | 8.96 | 11.9 | 8.2 | <0.25 | 0.673 | 0.148 | 0.044 |
| SS 14 | 6/26/2018 | 7.7 | 8.47 | 10.65 | 29.3 | 18.7 | 1.010 | 0.206 | 0.148 | 0.044 |
| SS 14 | 8/1/2018 | 42.9 | 6.35 | 7.04 | 22.5 | 60.0 | 0.885 | 0.109 | 0.276 | 0.233 |
| SS 14 | 12/11/2018 | 8.4 | 6.95 | 11.53 | 7.4 | 4.3 | 0.635 | 0.812 | 0.117 | 0.057 |

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 4/17/2019 | 6.6 | 7.60 | 8.28 | 22.1 | 6.7 | 0.414 | 0.598 | <0.100 | 0.042 |
| SS 14 | 6/11/2019 | 12.6 | 6.78 | 3.47 | 23.8 | 5.9 | 0.928 | 0.444 | <0.100 | 0.077 |
| SS 14 | 8/28/2019 | 8.1 | 7.96 | 8.18 | 27.9 | 8.5 | 1.050 | <0.100 | 0.174 | <0.025 |
| SS 14 | 10/28/2019 | 10.9 | 6.97 | 7.83 | 15.1 | 2.7 | 0.381 | 0.458 | 0.167 | 0.048 |
| SS 14 | 3/31/2020 | 62.4 | 6.67 | 9.31 | 15.2 | 145 | 0.934 | 0.190 | 0.348 | 0.235 |
| SS 14 | 6/10/2020 | 17.0 | 7.32 | 7.20 | 29.1 | 40.4 | 0.897 | 0.246 | 0.128 | 0.078 |
| SS 14 | 9/21/2020 | NS | 7.62 | 7.59 | 20.7 | 8.4 | 0.281 | 0.345 | <0.100 | 0.075 |
| SS 14 | 12/17/2020 | 11.4 | 7.94 | 11.72 | 8.6 | 5.4 | 0.540 | 0.546 | <0.100 | 0.050 |
| SS 14 | 3/18/2021 | 31.4 | 7.73 | 9.77 | 16.8 | 19.8 | 0.670 | 0.189 | <0.100 | 0.048 |
| SS 14 | 5/5/2021 | 1.2 | 6.98 | 8.62 | 19.4 | 6.27 | 1.06 | 7.85 | <0.100 | 0.073 |
| SS 14 | 9/2/2021 | EF | EF | 7.80 | 26.3 | 3.0 | 0.935 | 0.552 | 0.128 | 0.980 |
| SS 14 | 11/23/2021 | <1.0 | 7.46 | 10.28 | 12.7 | 2.6 | 0.370 | 0.315 | 0.178 | 0.108 |
| SS 14 | 1/10/2022 | 9.8 | 7.12 | 11.84 | 8.8 | 4.4 | 0.674 | 0.385 | 0.136 | 0.068 |
| SS 14 | 4/7/2022 | 4.4 | 6.82 | 9.83 | 17.8 | 2.9 | 0.566 | 0.402 | <0.100 | 0.033 |
| SS 14 | 8/3/2022 | 10.0 | 8.03 | 7.77 | 30.2 | 6.5 | 0.723 | 0.176 | 0.123 | <0.0300 |
| SS 14 | 11/16/2022 | 4.3 | 7.37 | 9.76 | 10.8 | 2.5 | 0.406 | <0.100 | <0.100 | 0.039 |
| SS 14 | 2/13/2023 | 12.0 | 6.82 | 11.64 | 10.8 | 4.3 | 0.749 | 0.501 | <0.100 | 0.052 |
| SS 14 | 5/24/2023 | 4.6 | 7.65 | 9.57 | 21.3 | 4.40 | 0.506 | 0.528 | 0.102 | 0.0440 |
| SS 14 | 8/7/2023 | 6.56 | 8.02 | 10.73 | 31.6 | 8.20 | 0.903 | <0.100 | 0.124 | 0.032 |
| SS 14 | 12/12/2023 | 10.06 | 7.66 | 8.00 | 8.1 | <2.50 | 0.573 | 0.352 | 0.0890 | 0.0410 |
| SS 14 | 1/10/2024 | 25.10 | 7.40 | 8.91 | 9.0 | 9.60 | 1.08 | 0.693 | 0.117 | 0.0870 |
| SS 14 | 5/20/2024 | 10.78 | 7.80 | 10.12 | 26.7 | 7.67 | 0.49 | 0.213 | 0.121 | 0.0210 |
| SS 14 | 9/16/2024 | 5.20 | 8.03 | 7.89 | 25.0 | 10.0 | 1.33 | 0.0955 | 0.201 | 0.0330 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 3/13/2013 | 11.6 | 8.33 | 9.29 | 10.20 | 9.6 | 0.34 | 0.26 | <0.10 | <0.025 |
| GD 5 | 5/20/2013 | 14.0 | 8.28 | 7.76 | 22.60 | 9.0 | 0.62 | <0.100 | <0.10 | <0.025 |
| GD 5 | 9/23/2013 | 11.5 | 7.67 | 6.78 | 27.10 | 8.0 | 0.45 | <0.100 | <0.10 | 0.027 |
| GD 5 | 12/10/2013 | 57.9 | 7.97 | 9.10 | 9.10 | 18.0 | 0.47 | 0.10 | 0.10 | 0.088 |
| GD 5 | 2/6/2014 | 45.9 | 7.14 | 9.88 | 7.20 | 17.0 | 0.37 | 0.17 | <0.100 | 0.038 |
| GD 5 | 6/26/2014 | 17.0 | 7.90 | 6.54 | NS | 12.0 | 0.34 | <0.100 | <0.100 | <0.025 |
| GD 5 | 9/30/2014 | 22.5 | 8.28 | 7.53 | 25.22 | 18.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| GD 5 | 11/19/2014 | 42.9 | 8.15 | 9.30 | 9.40 | 26.0 | 0.43 | 0.11 | <0.100 | 0.051 |
| GD 5 | 3/23/2015 | 24.0 | 8.14 | 8.58 | 15.90 | 15.0 | 0.34 | 0.12 | <0.100 | <0.025 |
| GD 5 | 4/22/2015 | 25.0 | 7.81 | 7.78 | 21.70 | 13.0 | 0.65 | 0.14 | <0.100 | <0.025 |
| GD 5 | 9/30/2015 | 18.0 | 8.03 | 6.27 | 26.30 | 17.3 | 0.557 | <0.100 | 0.115 | <0.025 |
| GD 5 | 11/19/2015 | 90.0 | 7.63 | 7.34 | 16.60 | 42.8 | <0.250 | 0.168 | <0.100 | 0.042 |
| GD 5 | 3/15/2016 | 23.7 | 8.80 | 7.47 | 19.40 | 13.2 | 0.435 | <0.100 | <0.100 | <0.025 |
| GD 5 | 6/29/2016 | 21.0 | 8.02 | 2.27 | 30.37 | 15.0 | 0.490 | <0.100 | <0.100 | 0.074 |
| GD 5 | 8/9/2016 | 11.8 | 8.25 | 5.55 | 30.20 | 11.0 | 0.412 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/7/2016 | 10.0 | 7.73 | 10.61 | 11.96 | 6.8 | 0.337 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/2/2017 | 12.3 | 7.81 | 4.49 | 14.26 | 13.0 | 0.491 | 0.118 | <0.100 | <0.025 |
| GD 5 | 7/5/2017 | 15.0 | 7.32 | 5.83 | 26.9 | 22.7 | 0.730 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/16/2017 | 8.0 | 7.89 | 6.22 | 28.0 | 9.0 | 0.404 | <0.100 | <0.100 | <0.025 |
| GD 5 | 10/25/2017 | 9.2 | 7.36 | 7.35 | 18.7 | 14.6 | 0.347 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/28/2018 | 6.1 | 8.18 | 9.47 | 18.5 | 6.06 | <0.250 | 0.127 | <0.100 | <0.025 |
| GD 5 | 6/29/2018 | 16.3 | 7.76 | 5.66 | 27.5 | 19.60 | 0.689 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/2/2018 | 18.4 | 7.59 | 6.02 | 25.7 | 26.40 | 0.332 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/10/2018 | 37.7 | 7.87 | 11.30 | 7.3 | 22.3 | 0.523 | <0.100 | 0.190 | <0.025 |

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 4/15/2019 | 29.7 | 7.69 | 8.02 | 19.3 | 29.0 | 0.411 | 0.128 | 1.20 | <0.025 |
| GD 5 | 6/12/2019 | 6.0 | 8.02 | 7.64 | 27.2 | 9.3 | <0.250 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/27/2019 | 75.2 | 7.15 | 7.98 | 28.7 | 10.9 | 0.506 | <0.100 | 0.165 | <0.025 |
| GD 5 | 10/29/2019 | 29.0 | 7.85 | 9.42 | 17.8 | 21.0 | 0.477 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/30/2020 | 14.5 | 7.65 | 8.86 | 19.1 | 12.1 | 0.320 | 0.130 | <0.100 | <0.025 |
| GD 5 | 6/16/2020 | 16.4 | 7.69 | 7.75 | 27.2 | 7.4 | 0.561 | <0.100 | <0.100 | <0.030 |
| GD 5 | 9/21/2020 | 10.8 | 7.65 | 6.33 | 23.2 | 7.9 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 5 | 12/17/2020 | 28.7 | 7.62 | 9.96 | 9.7 | 19.8 | 0.422 | 0.122 | 0.113 | <0.030 |
| GD 5 | 3/18/2021 | 3.4 | 7.15 | 8.98 | 16.9 | 30.6 | 0.600 | 0.127 | <0.100 | <0.030 |
| GD 5 | 5/5/2021 | 36.10 | 7.84 | 7.74 | 19.8 | 36.8 | <0.250 | 0.204 | <0.100 | <0.030 |
| GD 5 | 9/2/2021 | 10.28 | 7.84 | 6.90 | 26.5 | 16.1 | 0.510 | <0.100 | <0.100 | <0.030 |
| GD 5 | 11/23/2021 | 27.7 | 7.70 | 10.54 | 11.3 | 8.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 1/11/2022 | 26.8 | 7.28 | 12.25 | 10.1 | 12.1 | 0.510 | 0.300 | <0.10 | <0.0300 |
| GD 5 | 4/7/2022 | 16.4 | 7.72 | 9.32 | 17.2 | 14.4 | 0.300 | 0.157 | <0.100 | <0.0300 |
| GD 5 | 8/2/2022 | 13.0 | 7.86 | 6.60 | 29.1 | 6.4 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 11/16/2022 | 7.0 | 7.75 | 9.56 | 13.4 | 8.7 | 0.312 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 2/14/2023 | 18.8 | 7.18 | 10.85 | 11.4 | 11.5 | 0.606 | 0.255 | <0.100 | <0.0300 |
| GD 5 | 5/25/2023 | 5.1 | 8.15 | 9.33 | 24.3 | 10.0 | 0.528 | 0.0534 | 0.0462 | 0.0250 |
| GD 5 | 8/7/2023 | 3.0 | 7.36 | 6.27 | 29.5 | 7.54 | 0.499 | <0.100 | 0.103 | <0.0300 |
| GD 5 | 12/12/2023 | 13.5 | 7.32 | 8.45 | 10.3 | 11.3 | 0.468 | 0.0820 | <0.0350 | <0.0140 |
| GD 5 | 1/10/2024 | 53.3 | 7.32 | 8.56 | 8.4 | 32.0 | 0.424 | 0.118 | 0.0681 | 0.0450 |
| GD 5 | 5/21/2024 | 11.0 | 7.75 | 9.12 | 24.8 | 8.9 | 0.443 | 0.131 | 0.0614 | <0.0300 |
| GD 5 | 9/16/2024 | 8.16 | 7.77 | 6.99 | 25.9 | 12.4 | 0.750 | <0.0500 | 0.0600 | <0.0140 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 3/12/2013 | 33.3 | 7.54 | 9.48 | 13.90 | 49.0 | 0.83 | 0.19 | <0.100 | 0.081 |
| HB 3 | 5/20/2013 | 14.5 | 8.21 | 6.82 | 27.80 | 17.0 | 0.60 | 0.17 | <0.100 | <0.025 |
| HB 3 | 9/23/2013 | 21.3 | 8.02 | 4.89 | 25.70 | 19.0 | 0.60 | <0.100 | <0.100 | 0.037 |
| HB 3 | 12/10/2013 | 48.4 | 7.90 | 8.65 | 10.10 | 20.0 | 0.62 | <0.100 | 0.15 | 0.140 |
| HB 3 | 2/6/2014 | 32.0 | 7.22 | 12.24 | 5.90 | 13.0 | 0.37 | 0.48 | <0.100 | 0.030 |
| HB 3 | 6/26/2014 | 12.0 | 8.20 | 7.12 | NS | 12.0 | 0.37 | <0.100 | <0.100 | <0.025 |
| HB 3 | 9/30/2014 | 29.5 | 8.05 | 6.01 | 24.78 | 30.0 | 0.48 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2014 | 56.1 | 7.85 | 8.83 | 8.80 | 51.0 | 0.44 | 0.11 | 0.12 | 0.098 |
| HB 3 | 3/23/2015 | 27.0 | 8.21 | 8.40 | 24.20 | 35.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| HB 3 | 4/22/2015 | 25.0 | 7.91 | 8.36 | 21.90 | 22.0 | 0.66 | 0.20 | <0.100 | <0.025 |
| HB 3 | 9/30/2015 | 22.0 | 7.89 | 5.05 | 25.70 | 23.0 | 0.91 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2015 | 32.0 | 7.83 | 7.37 | 17.40 | 30.2 | <0.25 | 0.377 | <0.100 | 0.045 |
| HB 3 | 3/15/2016 | 28.8 | 8.52 | 7.97 | 19.10 | 23.8 | <0.25 | 0.295 | <0.100 | 0.087 |
| HB 3 | 6/29/2016 | 17.3 | 8.02 | 2.77 | 30.61 | 20.9 | 0.51 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/9/2016 | 11.3 | 7.91 | 4.31 | 30.19 | 14.3 | 0.703 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/7/2016 | 16.0 | 7.93 | 8.44 | 12.81 | 17.0 | 0.730 | 0.111 | 0.126 | <0.025 |
| HB 3 | 3/2/2017 | 50.0 | 7.75 | 3.90 | 14.33 | 57.1 | 0.969 | 0.334 | 0.115 | <0.025 |
| HB 3 | 7/5/2017 | 23.1 | 7.29 | 5.36 | 27.00 | 28.5 | 0.812 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/16/2017 | 13.7 | 7.35 | 5.04 | 27.00 | 12.7 | 0.763 | <0.100 | <0.100 | <0.025 |
| HB 3 | 10/25/2017 | 11.7 | 6.64 | 9.93 | 18.5 | 20.4 | 0.322 | <0.100 | <0.100 | <0.025 |
| HB 3 | 3/28/2018 | 13.2 | 7.99 | 9.47 | 17.6 | 20.2 | <0.25 | 0.359 | <0.100 | <0.025 |
| HB 3 | 6/29/2018 | 14.6 | 7.67 | 5.55 | 26.0 | 18.2 | 0.464 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/2/2018 | 28.3 | 7.40 | 5.64 | 25.1 | 35.3 | 0.952 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/10/2018 | 24.8 | 7.55 | 10.98 | 7.9 | 27.6 | 0.426 | 0.363 | 0.141 | <0.025 |

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 4/15/2019 | 22.4 | 7.73 | 8.27 | 19.6 | 35.5 | <0.250 | 0.233 | <0.100 | <0.025 |
| HB 3 | 6/12/2019 | 12.4 | 8.13 | 6.77 | 26.6 | 52.3 | <0.250 | 0.129 | <0.100 | <0.025 |
| HB 3 | 8/27/2019 | 78.1 | 8.21 | 8.75 | 29.1 | 7.30 | 0.634 | <0.100 | 0.179 | <0.025 |
| HB 3 | 10/29/2019 | 28.2 | 7.82 | 9.88 | 18.3 | 17.6 | 0.517 | <0.100 | 0.166 | <0.025 |
| HB 3 | 3/30/2020 | 8.9 | 7.79 | 8.91 | 18.5 | 18.4 | 1.20 | 0.234 | <0.100 | <0.025 |
| HB 3 | 6/16/2020 | 20.4 | 7.33 | 7.01 | 26.3 | 14.6 | 0.30 | <0.100 | <0.100 | <0.030 |
| HB 3 | 9/21/2020 | 12.1 | 7.80 | 7.69 | 23.5 | 8.30 | 0.28 | <0.100 | <0.100 | <0.030 |
| HB 3 | 12/17/2020 | 31.16 | 8.07 | 9.94 | 9.1 | 20.4 | 0.588 | 0.195 | <0.100 | <0.030 |
| HB 3 | 3/18/2021 | 1.80 | 7.47 | 9.62 | 16.0 | 23.0 | 0.252 | 0.369 | <0.100 | <0.030 |
| HB 3 | 5/5/2021 | 28.31 | 7.50 | 7.71 | 22.0 | 35.1 | <0.250 | 0.207 | <0.100 | <0.030 |
| HB 3 | 9/2/2021 | 19.2 | 7.61 | 5.30 | 27.4 | 23.6 | 0.689 | <0.100 | <0.100 | <0.030 |
| HB 3 | 11/23/2021 | 51.55 | 7.15 | 10.59 | 11.2 | 10.5 | <0.250 | 0.137 | <0.100 | <0.0300 |
| HB 3 | 1/11/2022 | 26.9 | 7.75 | 11.26 | 12.8 | 23.6 | 0.550 | 0.200 | <0.10 | <0.0300 |
| HB 3 | 4/7/2022 | 27.8 | 7.61 | 9.40 | 18.1 | 21.0 | 0.329 | 0.268 | <0.100 | <0.0300 |
| HB 3 | 8/2/2022 | 31.2 | 8.05 | 5.89 | 28.9 | 33.7 | 0.273 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 11/16/2022 | 10.7 | 7.71 | 9.53 | 12.9 | 7.4 | 0.604 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 2/14/2023 | 15.0 | 7.25 | 11.10 | 11.7 | 11.6 | 0.471 | 0.414 | <0.100 | <0.0300 |
| HB 3 | 5/25/2023 | 14.0 | 7.92 | 8.75 | 24.1 | 21.7 | 0.502 | 0.0574 | 0.0588 | <0.0140 |
| HB 3 | 8/7/2023 | 10.9 | 7.49 | 6.16 | 29.3 | 6.80 | 0.578 | <0.100 | 0.0895 | <0.0300 |
| HB 3 | 12/12/2023 | 41.3 | 7.71 | 8.45 | 10.6 | 36.8 | 0.383 | 0.126 | 0.0444 | <0.0140 |
| HB 3 | 1/10/2024 | 30.5 | 7.74 | 9.14 | 8.5 | 31.7 | 0.305 | 0.354 | 0.0752 | 0.0250 |
| HB 3 | 5/21/2024 | 36.9 | 7.51 | 8.92 | 24.2 | 28.6 | 0.357 | 0.080 | 0.0557 | <0.0300 |
| HB 3 | 9/16/2024 | 9.59 | 7.63 | 7.12 | 25.1 | 12.2 | 0.637 | <0.0500 | 0.0711 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 3/12/2013 | 28.3 | 8.23 | 7.53 | 10.3 | 21.0 | 0.61 | <0.100 | <0.100 | 0.088 |
| RC 14 | 5/8/2013 | 29.5 | 6.72 | 1.78 | 21.4 | 16.0 | 0.63 | 0.14 | <0.100 | <0.12 |
| RC 14 | 9/23/2013 | 18.4 | 7.86 | 6.68 | 24.7 | 13.0 | 0.58 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/10/2013 | 40.0 | 8.45 | 9.50 | 8.2 | 16.0 | 0.69 | <0.100 | 0.11 | 0.100 |
| RC 14 | 2/6/2014 | 66.6 | 7.15 | 10.94 | 4.9 | 18.0 | 0.70 | 0.16 | 0.11 | 0.036 |
| RC 14 | 6/26/2014 | 6.2 | 8.21 | 6.30 | NS | 5.9 | 0.39 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/30/2014 | 12.4 | 7.20 | 6.20 | 23.5 | 12.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/19/2014 | 50.3 | 8.20 | 10.10 | 7.5 | 28.0 | 0.52 | <0.100 | 0.13 | 0.085 |
| RC 14 | 3/23/2015 | 70.0 | 8.03 | 7.80 | 18.2 | 34.0 | 1.10 | 0.26 | <0.100 | 0.070 |
| RC 14 | 4/22/2015 | 30.0 | 7.77 | 7.25 | 18.1 | 15.0 | 0.40 | 0.20 | <0.100 | <0.025 |
| RC 14 | 9/30/2015 | 17.0 | 8.28 | 5.63 | 24.4 | 12.6 | 0.454 | <0.100 | <0.100 | <0.025 |
| RC 14 | 11/19/2015 | 95.0 | 7.32 | 6.07 | 17.71 | 36.0 | 0.633 | 0.137 | 0.135 | <0.025 |
| RC 14 | 3/15/2016 | 85.0 | 8.13 | 7.73 | 18.5 | 69.6 | 0.434 | 0.106 | 0.304 | <0.025 |
| RC 14 | 6/29/2016 | 17.2 | 7.58 | 2.17 | 28.53 | 17.5 | 0.460 | <0.100 | <0.100 | 0.037 |
| RC 14 | 8/9/2016 | 10.4 | 7.05 | 2.35 | 28.53 | 8.5 | 0.547 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/7/2016 | 7.9 | 7.21 | 6.47 | 11.62 | 8.6 | 0.252 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/2/2017 | 18.0 | 7.32 | 3.55 | 12.69 | 14.6 | 0.608 | 0.12 | <0.100 | <0.025 |
| RC 14 | 7/5/2017 | 17.7 | 7.55 | 6.56 | 25.7 | 35.0 | 0.357 | 0.279 | <0.100 | 0.041 |
| RC 14 | 8/16/2017 | 9.8 | 7.72 | 5.54 | 26.7 | 12.4 | 0.400 | 0.21 | <0.100 | 0.042 |
| RC 14 | 10/25/2017 | 18.7 | 7.64 | 7.26 | 17.1 | 27.2 | 0.465 | 0.24 | 0.149 | 0.088 |
| RC 14 | 3/28/2018 | 9.9 | 8.03 | 9.00 | 18.3 | 10.9 | <0.25 | 0.148 | <0.100 | <0.025 |
| RC 14 | 6/29/2018 | 12.9 | 7.64 | 5.89 | 27.1 | 13.8 | 0.722 | <0.100 | <0.100 | <0.025 |
| RC 14 | 8/2/2018 | 21.7 | 7.30 | 5.56 | 23.7 | 17.3 | 0.848 | <0.100 | <0.100 | 0.055 |
| RC 14 | 12/10/2018 | 35.1 | 7.13 | 10.63 | 7.3 | 16.9 | 1.400 | <0.100 | 0.169 | 0.038 |

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 4/15/2019 | 45.8 | 7.68 | 7.67 | 19.5 | 36.0 | 0.403 | 0.108 | <0.100 | <0.025 |
| RC 14 | 6/12/2019 | 11.0 | 8.03 | 7.39 | 25.3 | 12.3 | 0.250 | 0.120 | <0.100 | <0.025 |
| RC 14 | 8/27/2019 | 76.4 | 8.36 | 8.78 | 28.4 | 8.8 | 0.391 | <0.100 | 0.141 | <0.025 |
| RC 14 | 10/29/2019 | 17.4 | 7.90 | 9.83 | 17.7 | 10.6 | 0.478 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/30/2020 | 12.9 | 8.10 | 10.01 | 21.9 | 15.7 | 0.451 | <0.100 | <0.100 | <0.025 |
| RC 14 | 6/16/2020 | 11.5 | 6.79 | 8.01 | 26.9 | 11.4 | 0.560 | 0.141 | <0.100 | <0.030 |
| RC 14 | 9/21/2020 | 13.7 | 7.49 | 9.65 | 21.9 | 8.2 | 0.307 | <0.100 | 0.202 | <0.030 |
| RC 14 | 12/17/2020 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 3/18/2021 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 5/5/2021 | 33.45 | 7.68 | 7.99 | 20.9 | 30.4 | 0.566 | <0.100 | <0.100 | <0.030 |
| RC 14 | 9/2/2021 | 16.75 | 7.87 | 7.11 | 25.7 | 23.2 | 0.350 | 0.210 | <0.100 | 0.040 |
| RC 14 | 11/23/2021 | 24.6 | 7.96 | 10.57 | 13.3 | 40.2 | <0.250 | <0.100 | 0.103 | <0.0300 |
| RC 14 | 1/11/2022 | 66.4 | 7.40 | 11.82 | 10.4 | 20.6 | 1.500 | 0.170 | <0.10 | <0.0300 |
| RC 14 | 4/7/2022 | 99.0 | 7.76 | 8.27 | 17.6 | 178 | 0.548 | <0.100 | 0.101 | <0.0300 |
| RC 14 | 8/2/2022 | 12.9 | 8.29 | 7.67 | 30.2 | 11.1 | 0.332 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 11/16/2022 | 6.8 | 7.79 | 9.06 | 12.4 | 9.2 | <0.250 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 2/14/2023 | 36.9 | 6.92 | 10.48 | 12.2 | 17.9 | 0.423 | 0.107 | <0.100 | <0.0300 |
| RC 14 | 5/25/2023 | 16.0 | 7.41 | 8.75 | 26.4 | 17.2 | 0.945 | <0.0500 | 0.0850 | <0.0140 |
| RC 14 | 8/7/2023 | 19.1 | 7.20 | 6.63 | 29.1 | 15.0 | 0.604 | <0.100 | 0.150 | 0.0360 |
| RC 14 | 12/12/2023 | 19.8 | 7.64 | 8.64 | 9.8 | 38.2 | 0.451 | <0.0500 | 0.0358 | <0.0140 |
| RC 14 | 1/10/2024 | 46.4 | 6.97 | 8.53 | 8.1 | 50.0 | 0.785 | 0.294 | 0.117 | 0.0420 |
| RC 14 | 5/21/2024 | 13.9 | 7.91 | 10.48 | 27.1 | 8.4 | 0.667 | <0.100 | 0.080 | <0.0300 |
| RC 14 | 9/16/2024 | 8.39 | 8.15 | 8.44 | 26.2 | 14.4 | 0.738 | <0.0500 | 0.0709 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 3/12/2013 | 13.1 | 8.19 | 8.26 | 13.10 | 16.0 | 0.34 | 0.54 | 0.11 | 0.110 |
| SME 1 | 5/8/2013 | 24.0 | 7.64 | 8.96 | 16.00 | 14.0 | 0.42 | 0.15 | <0.100 | 0.063 |
| SME 1 | 9/23/2013 | 14.2 | 8.26 | 7.87 | 27.70 | 15.0 | 0.80 | <0.100 | <0.100 | 0.053 |
| SME 1 | 12/10/2013 | 46.3 | 8.05 | 9.15 | 7.60 | 21.0 | 0.47 | 0.55 | 0.26 | 0.210 |
| SME 1 | 2/6/2014 | 61.0 | 7.22 | 11.34 | 5.90 | 23.0 | 0.50 | 0.55 | 0.13 | 0.110 |
| SME 1 | 6/26/2014 | 14.0 | 8.49 | 7.05 | NS | 13.0 | 0.31 | <0.100 | <0.100 | <0.025 |
| SME 1 | 9/30/2014 | 27.6 | 8.25 | 7.46 | 24.67 | 34.0 | 0.61 | <0.100 | 0.11 | 0.044 |
| SME 1 | 11/19/2014 | 40.1 | 8.31 | 10.86 | 7.80 | 19.0 | 0.55 | 0.74 | 0.29 | 0.270 |
| SME 1 | 3/23/2015 | 21.0 | 8.26 | 8.52 | 17.30 | 14.0 | <0.250 | 0.51 | 0.10 | 0.073 |
| SME 1 | 4/22/2015 | 29.0 | 7.14 | 7.97 | 18.50 | 18.0 | 0.38 | 0.40 | <0.100 | 0.039 |
| SME 1 | 9/30/2015 | 15.0 | 8.34 | 7.03 | 26.40 | 15.3 | 0.807 | <0.100 | 0.135 | 0.052 |
| SME 1 | 11/19/2015 | 50.0 | 7.92 | 7.04 | 15.90 | 23.2 | <0.250 | 0.401 | 0.134 | 0.084 |
| SME 1 | 3/15/2016 | 26.2 | 8.44 | 7.21 | 18.30 | 17.7 | <0.250 | 0.454 | <0.100 | 0.047 |
| SME 1 | 6/29/2016 | 21.2 | 8.80 | 3.29 | 30.67 | 20.3 | 0.620 | <0.100 | 0.245 | 0.180 |
| SME 1 | 8/9/2016 | 15.3 | 8.55 | 4.98 | 28.87 | 12.6 | 0.547 | <0.100 | 0.154 | 0.089 |
| SME 1 | 12/7/2016 | 31.0 | 7.96 | 10.20 | 11.98 | 17.7 | 0.378 | 0.413 | 0.271 | 0.209 |
| SME 1 | 3/2/2017 | 14.0 | 7.75 | 4.31 | 12.34 | 15.0 | 0.345 | 0.671 | 0.208 | 0.127 |
| SME 1 | 6/29/2017 | 19.2 | 9.11 | 9.21 | 25.8 | 18.3 | 0.530 | <0.100 | 0.000 | 0.028 |
| SME 1 | 8/16/2017 | 10.6 | 8.12 | 6.58 | 29.7 | 12.7 | 0.520 | <0.100 | 0.111 | <0.025 |
| SME 1 | 10/25/2017 | 5.4 | 8.02 | 8.32 | 17.3 | 16.9 | 0.288 | 0.368 | 0.151 | 0.121 |
| SME 1 | 3/28/2018 | 19.3 | 8.10 | 9.18 | 17.6 | 19.8 | <0.250 | 0.633 | 0.000 | 0.106 |
| SME 1 | 6/29/2018 | 20.7 | 7.84 | 6.37 | 26.2 | 23.3 | 0.670 | 0.312 | 0.241 | 0.121 |
| SME 1 | 8/2/2018 | 28.5 | 7.48 | 5.82 | 23.9 | 29.5 | 0.495 | 0.296 | 0.136 | 0.145 |
| SME 1 | 12/10/2018 | 32.0 | 7.45 | 11.48 | 8.0 | 31.0 | 0.336 | 0.259 | <0.100 | <0.025 |

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 4/15/2019 | 42.2 | 7.89 | 7.89 | 19.7 | 35.0 | 0.360 | 0.390 | <0.100 | 0.063 |
| SME 1 | 6/12/2019 | 12.2 | 7.34 | 8.73 | 27.2 | 9.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 1 | 8/27/2019 | 135.2 | 7.45 | 8.51 | 28.8 | 7.1 | 0.356 | <0.100 | 0.161 | <0.025 |
| SME 1 | 10/29/2019 | 14.5 | 7.95 | 9.21 | 17.6 | 11.0 | 0.272 | 0.129 | 0.134 | 0.049 |
| SME 1 | 3/30/2020 | 13.3 | 7.35 | 8.61 | 19.3 | 13.3 | <0.250 | 0.462 | <0.100 | <0.025 |
| SME 1 | 6/16/2020 | 11.6 | 8.58 | 10.36 | 27.0 | 11.4 | 0.485 | <0.100 | 0.129 | 0.031 |
| SME 1 | 9/21/2020 | 13.8 | 7.71 | 6.92 | 22.2 | 9.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| SME 1 | 12/17/2020 | 23.19 | 7.66 | 10.68 | 9.2 | 20.9 | 0.300 | 0.577 | <0.100 | 0.072 |
| SME 1 | 3/18/2021 | 14.10 | 7.24 | 9.54 | 15.7 | 90.4 | 0.580 | 0.263 | <0.100 | 0.112 |
| SME 1 | 5/5/2021 | 28.83 | 7.43 | 8.53 | 20.1 | 34.0 | 0.402 | 0.122 | <0.100 | <0.030 |
| SME 1 | 9/2/2021 | 23.89 | 7.80 | 6.93 | 25.8 | 35.8 | 0.353 | 0.458 | 0.218 | 0.190 |
| SME 1 | 11/23/2021 | 18.42 | 7.91 | 11.34 | 12.4 | 12.7 | <0.250 | <0.100 | 0.165 | 0.076 |
| SME 1 | 1/11/2022 | 161.2 | 7.55 | 11.29 | 10.2 | 17.0 | 1.800 | 8.200 | <0.10 | 0.054 |
| SME 1 | 4/7/2022 | 112.9 | 7.65 | 9.26 | 17.2 | 140 | 0.544 | 0.431 | 0.255 | 0.192 |
| SME 1 | 8/2/2022 | 12.0 | 8.10 | 7.98 | 29.2 | 6.3 | 0.281 | <0.100 | <0.100 | <0.0300 |
| SME 1 | 11/16/2022 | 5.78 | 7.86 | 9.45 | 14.3 | 7.9 | 0.306 | <0.100 | <0.100 | <0.0300 |
| SME 1 | 2/14/2023 | 15.5 | 7.26 | 11.23 | 11.0 | 11.3 | 0.281 | 0.372 | <0.100 | <0.0300 |
| SME 1 | 5/25/2023 | 6.6 | 8.38 | 10.64 | 24.5 | 10.6 | 0.694 | <0.0500 | 0.0961 | 0.0430 |
| SME 1 | 8/7/2023 | 11.7 | 8.01 | 7.58 | 30.2 | 13.9 | 0.552 | <0.100 | 0.170 | 0.0670 |
| SME 1 | 12/12/2023 | 17.2 | 7.36 | 8.99 | 9.2 | 10.4 | 0.434 | 0.172 | 0.262 | 0.219 |
| SME 1 | 1/10/2024 | 60.2 | 7.27 | 9.03 | 7.9 | 53.0 | 0.542 | 0.511 | 0.264 | 0.224 |
| SME 1 | 5/21/2024 | 22.2 | 8.21 | 11.59 | 25.8 | 14.6 | 0.597 | <0.100 | 0.112 | <0.0300 |
| SME 1 | 9/16/2024 | 3.45 | 8.15 | 8.55 | 26.4 | 7.11 | 0.699 | <0.0500 | 0.0871 | <0.0140 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 3/13/2013 | 17.1 | 7.84 | 7.44 | 11.30 | 15.0 | 0.69 | 0.20 | <0.100 | 0.038 |
| SME 3 | 5/20/2013 | 18.5 | 8.11 | 6.09 | 23.60 | 19.0 | 0.69 | 0.17 | <0.100 | 0.028 |
| SME 3 | 9/23/2013 | 15.3 | EF | 5.32 | 26.50 | 13.0 | 0.53 | <0.100 | <0.100 | 0.029 |
| SME 3 | 12/10/2013 | 48.3 | 7.69 | 8.85 | 9.60 | 20.0 | 0.62 | <0.100 | <0.100 | 0.086 |
| SME 3 | 2/6/2014 | 82.7 | 7.09 | 10.62 | 6.30 | 33.0 | 0.69 | 0.25 | <0.100 | <0.025 |
| SME 3 | 6/26/2014 | 50.0 | 8.04 | 7.03 | NS | 30.0 | 0.53 | <0.100 | <0.100 | 0.047 |
| SME 3 | 9/30/2014 | 17.3 | 8.08 | 5.98 | 25.33 | 18.0 | 0.66 | <0.100 | <0.100 | <0.025 |
| SME 3 | 11/19/2014 | 22.4 | 8.30 | 10.40 | 9.30 | 19.0 | <0.250 | 0.12 | <0.100 | 0.035 |
| SME 3 | 3/23/2015 | 25.0 | 8.13 | 7.72 | 21.20 | 16.0 | 0.46 | 0.24 | <0.100 | 0.026 |
| SME 3 | 4/22/2015 | 12.0 | 7.76 | 6.70 | 21.80 | 14.0 | 0.45 | 0.15 | <0.100 | <0.025 |
| SME 3 | 9/30/2015 | 18.0 | 7.96 | 6.19 | 25.60 | 24.4 | 0.42 | 0.125 | 0.129 | <0.025 |
| SME 3 | 11/19/2015 | 65.0 | 7.56 | 7.44 | 15.80 | 37.8 | <0.250 | 0.253 | <0.100 | 0.032 |
| SME 3 | 3/15/2016 | 68.4 | 8.35 | 7.51 | 19.20 | 78.8 | <0.250 | 0.295 | <0.100 | <0.025 |
| SME 3 | 6/29/2016 | 17.7 | 7.80 | 2.56 | 30.16 | 15.3 | 0.37 | <0.100 | <0.100 | 0.062 |
| SME 3 | 8/9/2016 | 14.8 | 7.52 | 3.43 | 29.53 | 10.8 | 0.564 | <0.100 | <0.100 | <0.025 |
| SME 3 | 12/7/2016 | 8.5 | 7.90 | 10.91 | 11.85 | 9.4 | 1.780 | <0.100 | 0.147 | <0.025 |
| SME 3 | 3/2/2017 | 14.6 | 7.95 | 4.60 | 13.64 | 17.0 | 0.733 | 0.272 | <0.100 | <0.025 |
| SME 3 | 7/5/2017 | 12.5 | 7.54 | 5.88 | 27.3 | 16.3 | 0.628 | <0.100 | <0.100 | 0.039 |
| SME 3 | 8/16/2017 | 11.5 | 7.86 | 5.00 | 28.1 | 18.5 | 0.446 | <0.100 | <0.100 | 0.07 |
| SME 3 | 10/25/2017 | 15.3 | 7.42 | 8.23 | 19.4 | 49.7 | 0.376 | <0.100 | 0.106 | 0.053 |
| SME 3 | 3/28/2018 | 8.9 | 7.98 | 9.44 | 17.4 | 11.2 | <0.250 | 0.220 | <0.100 | <0.025 |
| SME 3 | 6/29/2018 | 15.8 | 7.53 | 5.39 | 26.9 | 115.0 | 0.800 | <0.100 | <0.100 | <0.025 |
| SME 3 | 8/2/2018 | 30.0 | 7.59 | 5.66 | 26.4 | 56.0 | 0.981 | <0.100 | 0.108 | <0.025 |
| SME 3 | 12/10/2018 | 33.1 | 7.21 | 10.68 | 7.0 | 27.1 | 0.433 | <0.100 | 0.127 | <0.025 |

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 4/15/2019 | 552.6 | 7.78 | 7.65 | 19.7 | 371 | 0.271 | 0.234 | 0.285 | <0.025 |
| SME 3 | 6/12/2019 | 7.8 | 7.48 | 6.87 | 27.1 | 10.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 3 | 8/27/2019 | 55.3 | 7.91 | 8.41 | 29.2 | 7.0 | 0.389 | <0.100 | 0.149 | <0.025 |
| SME 3 | 10/29/2019 | 22.4 | 7.77 | 8.44 | 17.2 | 15.4 | 0.390 | <0.100 | <0.100 | <0.025 |
| SME 3 | 3/30/2020 | 14.4 | 7.51 | 8.91 | 18.8 | 18.2 | 0.657 | 0.239 | <0.100 | <0.025 |
| SME 3 | 6/16/2020 | 9.2 | 8.06 | 7.95 | 27.1 | 10.1 | 0.466 | <0.100 | 0.102 | <0.030 |
| SME 3 | 9/21/2020 | 15.3 | 7.67 | 6.50 | 23.0 | 10.7 | 0.660 | <0.100 | <0.100 | <0.030 |
| SME 3 | 12/17/2020 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 3/18/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 5/5/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 9/2/2021 | 102.33 | 7.75 | 5.64 | 26.3 | 267 | 1.24 | <0.100 | 0.234 | 0.057 |
| SME 3 | 11/23/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 1/11/2022 | 109.4 | 7.58 | 11.17 | 9.9 | 15.4 | 0.520 | 0.390 | <0.10 | <0.0300 |
| SME 3 | 4/7/2022 | 32.3 | 7.69 | 8.99 | 16.6 | 27.0 | 0.406 | 0.181 | <0.100 | <0.0300 |
| SME 3 | 8/2/2022 | 11.0 | 7.81 | 6.35 | 29.2 | 5.6 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 11/16/2022 | 7.3 | 7.76 | 9.28 | 13.6 | 10.3 | 0.294 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 2/14/2023 | 33.2 | 7.18 | 10.81 | 10.8 | 66.4 | 0.351 | 0.325 | <0.100 | <0.0300 |
| SME 3 | 5/25/2023 | 7.6 | 7.51 | 7.99 | 24.0 | 11.0 | 0.515 | <0.0500 | 0.0569 | <0.0140 |
| SME 3 | 8/7/2023 | 9.9 | 7.46 | 6.74 | 29.7 | 14.4 | 0.424 | <0.100 | 0.0912 | <0.0300 |
| SME 3 | 12/12/2023 | 32.5 | 7.01 | 8.06 | 10.2 | 13.4 | 0.502 | 0.103 | <0.0350 | <0.0140 |
| SME 3 | 1/10/2024 | 33.1 | 7.27 | 9.25 | 7.6 | 44.8 | 0.392 | 0.348 | 0.0956 | 0.0270 |
| SME 3 | 5/21/2024 | 18.8 | 8.12 | 10.05 | 25.1 | 24.6 | 0.545 | <0.100 | 0.0739 | <0.0300 |
| SME 3 | 9/16/2024 | 7.12 | 7.73 | 7.45 | 26.3 | 12.7 | 0.784 | <0.0500 | 0.108 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.16 - HISTORICAL ANALYTICAL DATA - SME 4
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 4 | 12/17/2020 | 17.70 | 7.69 | 10.82 | 9.80 | 17.8 | 0.263 | 0.387 | <0.10 | <0.03 |
| SME 4 | 3/18/2021 | 2.20 | 7.25 | 9.20 | 17.60 | 21.6 | 0.331 | 0.319 | <0.100 | <0.030 |
| SME 4 | 5/5/2021 | 20.02 | 7.86 | 7.81 | 21.0 | 27.5 | <0.250 | 0.213 | <0.100 | <0.030 |
| SME 4 | 9/2/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 4 | 11/23/2021 | 48.51 | 7.64 | 10.41 | 10.6 | 9.2 | <0.250 | 0.164 | <0.100 | <0.0300 |
| SME 4 | 1/11/2022 | 17.30 | 7.39 | 11.35 | 13.40 | 15.6 | 0.97 | 0.44 | <0.10 | <0.0300 |
| SME 4 | 4/7/2022 | 21.6 | 7.55 | 9.30 | 16.7 | 20.9 | 0.254 | 0.273 | <0.100 | 0.060 |
| SME 4 | 8/2/2022 | 14.0 | 7.79 | 6.24 | 29.1 | 6.00 | 0.274 | 0.102 | <0.100 | <0.0300 |
| SME 4 | 11/16/2022 | 9.91 | 7.69 | 9.45 | 12.5 | 10.5 | 0.382 | <0.100 | <0.100 | <0.0300 |
| SME 4 | 2/14/2023 | 15.8 | 7.27 | 10.99 | 11.3 | 22.5 | 0.484 | 0.416 | <0.100 | <0.0300 |
| SME 4 | 5/25/2023 | 3.4 | 8.33 | 9.53 | 24.6 | 6.71 | 0.513 | <0.0500 | <0.0350 | <0.0140 |
| SME 4 | 8/7/2023 | 3.2 | 7.44 | 6.51 | 29.7 | 7.00 | 0.436 | <0.100 | 0.0866 | <0.0300 |
| SME 4 | 12/12/2023 | 14.0 | 7.57 | 8.33 | 10.8 | 13.8 | 0.497 | 0.140 | 0.0454 | <0.0140 |
| SME 4 | 1/10/2024 | 30.4 | 7.65 | 9.21 | 7.5 | 34.4 | 0.327 | 0.354 | 0.0532 | 0.0200 |
| SME 4 | 5/21/2024 | 21.0 | 7.38 | 9.03 | 24.6 | 12.0 | 0.565 | 0.143 | 0.0925 | <0.0300 |
| SME 4 | 9/16/2024 | 3.44 | 7.68 | 6.79 | 25.3 | 11.5 | 0.709 | <0.0500 | 0.0824 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.17 - HISTORICAL ANALYTICAL DATA - SME 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 5 | 12/17/2020 | 15.24 | 7.80 | 10.94 | 10.00 | 17.7 | 0.258 | 0.371 | <0.100 | <0.030 |
| SME 5 | 3/18/2021 | 1.70 | 7.83 | 9.59 | 15.90 | 23.0 | 0.317 | 0.316 | <0.100 | <0.030 |
| SME 5 | 5/5/2021 | 50.11 | 7.80 | 7.96 | 21.2 | 60.6 | 0.410 | <0.100 | <0.100 | <0.030 |
| SME 5 | 9/2/2021 | 15.15 | 8.02 | 6.42 | 28.2 | 31.8 | 0.325 | 0.128 | <0.100 | <0.030 |
| SME 5 | 11/23/2021 | 68.29 | 7.78 | 10.42 | 14.9 | 14.0 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 5 | 1/11/2022 | 24.90 | 7.66 | 10.46 | 14.7 | 16.6 | 1.50 | 0.450 | <0.10 | 0.035 |
| SME 5 | 4/7/2022 | 55.4 | 7.99 | 9.43 | 17.4 | 25.4 | 0.385 | 0.290 | <0.100 | <0.0300 |
| SME 5 | 8/2/2022 | 12.0 | 8.26 | 7.16 | 30.4 | 7.30 | 0.277 | 0.102 | <0.100 | <0.0300 |
| SME 5 | 11/16/2022 | 7.26 | 7.91 | 9.00 | 14.7 | 11.1 | 0.347 | 0.113 | <0.100 | <0.0300 |
| SME 5 | 2/14/2023 | 15.1 | 7.17 | 10.93 | 12.2 | 12.3 | 0.302 | 0.425 | <0.100 | <0.0300 |
| SME 5 | 5/25/2023 | 7.1 | 8.06 | 9.41 | 25.4 | 11.4 | 0.564 | 0.155 | 0.0593 | <0.0140 |
| SME 5 | 8/7/2023 | 5.6 | 7.71 | 7.47 | 30.6 | 8.60 | 0.677 | 0.0568 | 0.122 | <0.0300 |
| SME 5 | 12/12/2023 | 9.1 | 7.58 | 8.67 | 10.9 | 8.93 | 0.465 | 0.127 | 0.0370 | <0.0140 |
| SME 5 | 1/10/2024 | 31.4 | 7.12 | 9.53 | 7.9 | 51.5 | 0.366 | 0.488 | 0.0773 | 0.0170 |
| SME 5 | 5/21/2024 | 13.9 | 7.81 | 9.72 | 26.0 | 12.3 | 0.653 | 0.179 | 0.0938 | <0.0300 |
| SME 5 | 9/16/2024 | 5.02 | 8.23 | 8.27 | 26.8 | 8.60 | 0.792 | 0.0936 | 0.0952 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.18 - HISTORICAL ANALYTICAL DATA - SME 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 6 | 12/17/2020 | 13.6 | 7.96 | 10.89 | 10.1 | 16.7 | <0.25 | 0.368 | <0.10 | <0.03 |
| SME 6 | 3/18/2021 | 3.3 | 7.65 | 9.84 | 15.5 | 47.2 | 0.618 | 0.358 | <0.100 | <0.030 |
| SME 6 | 5/5/2021 | 62.3 | 7.75 | 7.80 | 19.9 | 82.8 | 0.403 | 0.183 | <0.100 | <0.030 |
| SME 6 | 9/2/2021 | 13.3 | 8.19 | 6.72 | 27.7 | 19.0 | 0.353 | 0.131 | 0.430 | <0.030 |
| SME 6 | 11/23/2021 | 9.8 | 7.68 | 10.35 | 15.1 | 11.2 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 6 | 1/11/2022 | 24.4 | 7.72 | 11.24 | 10.2 | 16.9 | 2.40 | 0.450 | <0.10 | <0.0300 |
| SME 6 | 4/7/2022 | 31.4 | 7.95 | 9.63 | 18.0 | 28.8 | 0.373 | 0.270 | <0.100 | <0.0300 |
| SME 6 | 8/2/2022 | 11.1 | 8.25 | 8.26 | 30.9 | 8.40 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 11/16/2022 | 8.0 | 7.87 | 9.34 | 14.0 | 11.3 | 0.308 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 2/14/2023 | 17.7 | 7.31 | 10.83 | 12.8 | 14.9 | 0.319 | 0.374 | <0.100 | <0.0300 |
| SME 6 | 5/25/2023 | 6.7 | 8.00 | 9.79 | 25.2 | 10.0 | 0.580 | 0.0655 | 0.0424 | <0.0140 |
| SME 6 | 8/7/2023 | 9.2 | 7.66 | 7.19 | 30.6 | 12.4 | 0.620 | <0.100 | 0.095 | <0.0300 |
| SME 6 | 12/12/2023 | 10.3 | 7.57 | 8.62 | 11.4 | 10.1 | 0.440 | 0.110 | 0.0507 | <0.0140 |
| SME 6 | 1/10/2024 | 31.0 | 7.24 | 9.50 | 7.9 | 39.5 | 0.413 | 0.344 | 0.0849 | 0.0140 |
| SME 6 | 5/21/2024 | 28.4 | 7.82 | 9.84 | 26.4 | 47.6 | 0.287 | 0.100 | 0.0700 | <0.0300 |
| SME 6 | 9/16/2024 | 7.03 | 8.28 | 8.30 | 26.6 | 20.4 | 0.767 | <0.0500 | 0.0908 | <0.0140 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 3/12/2013 | 5.98 | 8.38 | 9.87 | 10.80 | 7.2 | 0.39 | 0.30 | <0.100 | 0.031 |
| SS 5 | 5/8/2013 | 24.4 | 7.38 | 7.19 | 16.80 | 21.0 | 0.62 | 0.16 | <0.100 | <0.12 |
| SS 5 | 9/23/2013 | 13.8 | 8.00 | 5.44 | 25.80 | 15.0 | 1.30 | <0.100 | <0.100 | 0.029 |
| SS 5 | 12/10/2013 | 22.8 | 8.25 | 9.10 | 7.70 | 13.0 | 0.67 | 0.24 | 0.11 | 0.043 |
| SS 5 | 2/6/2014 | 27.5 | 7.20 | 12.09 | 5.40 | 12.0 | 0.86 | 0.39 | <0.100 | <0.025 |
| SS 5 | 6/26/2014 | 11.0 | 8.53 | 7.01 | NS | 11.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| SS 5 | 9/30/2014 | 11.2 | 7.64 | 6.82 | 24.44 | 11.0 | 0.45 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2014 | 14.1 | 8.96 | 13.13 | 8.50 | 9.6 | 0.35 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/23/2015 | 18.0 | 8.50 | 8.99 | 17.70 | 11.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| SS 5 | 4/22/2015 | 19.0 | 7.76 | 6.71 | 20.20 | 13.0 | 0.47 | 0.15 | <0.100 | <0.025 |
| SS 5 | 9/30/2015 | 11.0 | 8.26 | 6.61 | 25.30 | 9.9 | 0.606 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2015 | 19.0 | 7.86 | 8.47 | 15.90 | 11.0 | <0.250 | 0.239 | <0.100 | <0.025 |
| SS 5 | 3/15/2016 | 20.0 | 8.37 | 8.47 | 17.20 | 9.5 | 0.279 | 0.264 | 0.225 | <0.025 |
| SS 5 | 6/29/2016 | 14.7 | 8.01 | 3.81 | 29.77 | 13.2 | 0.480 | <0.100 | <0.100 | 0.066 |
| SS 5 | 8/9/2016 | 11.6 | 7.86 | 3.16 | 29.40 | 12.6 | 0.464 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/7/2016 | 6.6 | 7.94 | 6.70 | 12.30 | 8.0 | 0.420 | <0.100 | 0.12 | <0.025 |
| SS 5 | 3/2/2017 | 14.0 | 7.78 | 3.92 | 12.77 | 16.0 | 0.766 | 0.334 | <0.100 | <0.025 |
| SS 5 | 7/5/2017 | 8.4 | 7.77 | 7.19 | 28.90 | 12.0 | 0.474 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/16/2017 | 10.2 | 8.10 | 4.83 | 29.90 | 15.1 | 0.493 | <0.100 | <0.100 | <0.025 |
| SS 5 | 10/25/2017 | 7.5 | 8.24 | 8.36 | 19.2 | 11.8 | 0.531 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/28/2018 | 7.0 | 8.53 | 10.23 | 18.5 | 8.33 | <0.250 | 0.248 | <0.100 | <0.025 |
| SS 5 | 6/29/2018 | 10.4 | 7.93 | 5.50 | 27.5 | 13.3 | 0.605 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/2/2018 | 13.5 | 7.58 | 6.04 | 25.8 | 12.8 | 0.554 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/10/2018 | 21.9 | 7.01 | 11.15 | 7.3 | 16.7 | 0.522 | 0.146 | <0.100 | <0.025 |

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 4/15/2019 | 15.5 | 7.35 | 7.77 | 19.4 | 11.7 | 0.374 | 0.168 | <0.100 | <0.025 |
| SS 5 | 6/12/2019 | 10.0 | 8.44 | 8.78 | 26.6 | 11.0 | <0.250 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/27/2019 | 24.5 | 8.66 | 9.02 | 28.9 | 7.1 | 0.508 | <0.100 | 0.168 | <0.025 |
| SS 5 | 10/29/2019 | 18.7 | 8.20 | 9.33 | 18.1 | 10.4 | 0.631 | 0.105 | 0.198 | <0.025 |
| SS 5 | 3/30/2020 | 9.2 | 8.35 | 11.07 | 20.8 | 10.6 | 0.399 | 0.127 | <0.100 | <0.025 |
| SS 5 | 6/16/2020 | 10.5 | 8.41 | 7.99 | 27.9 | 9.7 | 0.534 | <0.100 | <0.100 | <0.030 |
| SS 5 | 9/21/2020 | 16.5 | 7.36 | 11.45 | 22.6 | 11.0 | 0.512 | <0.100 | <0.100 | <0.030 |
| SS 5 | 12/17/2020 | 8.64 | 8.02 | 11.24 | 9.6 | 10.1 | 0.428 | 0.200 | <0.100 | <0.030 |
| SS 5 | 3/18/2021 | 0.60 | 7.36 | 9.03 | 15.7 | 14.6 | 0.570 | 0.191 | <0.100 | <0.030 |
| SS 5 | 5/5/2021 | 38.40 | 7.55 | 7.72 | 20.5 | 32.2 | 0.576 | 0.108 | <0.100 | <0.030 |
| SS 5 | 9/2/2021 | 9.62 | 8.00 | 8.54 | 28.6 | 14.4 | 0.431 | <0.100 | <0.100 | <0.030 |
| SS 5 | 11/23/2021 | 10.84 | 7.40 | 10.89 | 13.7 | 7.7 | <0.250 | 0.126 | <0.100 | <0.0300 |
| SS 5 | 1/11/2022 | 46.0 | 7.64 | 11.13 | 11.1 | 10.4 | 1.300 | 0.320 | <0.10 | <0.0300 |
| SS 5 | 4/7/2022 | 20.7 | 7.80 | 8.85 | 17.9 | 15.6 | 0.516 | 0.122 | <0.100 | <0.0300 |
| SS 5 | 8/2/2022 | 11.90 | 8.38 | 7.32 | 30.6 | 7.8 | 0.812 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 11/16/2022 | 5.32 | 8.07 | 10.21 | 14.0 | 8.3 | 0.314 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 2/14/2023 | 11.20 | 7.35 | 11.62 | 12.7 | 10.4 | 0.344 | 0.284 | <0.100 | 0.093 |
| SS 5 | 5/25/2023 | 7.0 | 8.19 | 10.03 | 25.5 | 9.80 | 0.638 | <0.0500 | 0.0486 | 0.0670 |
| SS 5 | 8/7/2023 | 9.1 | 7.91 | 7.70 | 30.7 | 11.5 | 0.636 | <0.100 | 0.0971 | <0.0300 |
| SS 5 | 12/12/2023 | 8.7 | 7.85 | 9.72 | 11.2 | 6.80 | 0.573 | <0.0500 | <0.0350 | <0.0140 |
| SS 5 | 1/10/2024 | 19.5 | 7.46 | 9.56 | 9.1 | 20.4 | 0.576 | 0.166 | 0.0715 | <0.0140 |
| SS 5 | 5/21/2024 | 16.2 | 7.87 | 9.02 | 25.8 | 11.0 | 0.261 | 0.107 | 0.0743 | <0.0300 |
| SS 5 | 9/16/2024 | 5.75 | 8.44 | 9.43 | 26.6 | 12.0 | 0.750 | <0.0500 | 0.0875 | <0.0140 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

# Appendix III – Laboratory Reports

Laboratory Report No. L1778361, dated September 17, 2024

Laboratory Report No. L1778365, dated September 17, 2024

# ANALYTICAL REPORT

September 23, 2024



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1778361 |
| Samples Received: | 09/17/2024 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | BOAT |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## HB 3 L1778361-01 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 12:05 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 13:47 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:31 | 09/17/24 23:31 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:03 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:54 | 09/17/24 17:54 | ARV | Mt. Juliet, TN |

## SME 4 L1778361-02 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 12:15 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 13:50 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:32 | 09/17/24 23:32 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:06 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:54 | 09/17/24 17:54 | ARV | Mt. Juliet, TN |

## GD 5 L1778361-03 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 12:30 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 13:52 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:37 | 09/17/24 23:37 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:08 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:54 | 09/17/24 17:54 | ARV | Mt. Juliet, TN |

## SME 3 L1778361-04 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 12:40 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 13:54 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:39 | 09/17/24 23:39 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:10 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:54 | 09/17/24 17:54 | ARV | Mt. Juliet, TN |

## SME 1 L1778361-05 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 12:55 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 13:55 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:40 | 09/17/24 23:40 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:11 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:54 | 09/17/24 17:54 | ARV | Mt. Juliet, TN |

## SS5 L1778361-06 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 13:40 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 13:56 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:41 | 09/17/24 23:41 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:12 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:55 | 09/17/24 17:55 | ARV | Mt. Juliet, TN |

## SME 5 L1778361-07 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 13:50 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2365007 | 1 | 09/18/24 14:13 | 09/18/24 15:27 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:00 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:42 | 09/17/24 23:42 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:16 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:55 | 09/17/24 17:55 | ARV | Mt. Juliet, TN |

## SME 6 L1778361-08 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 14:08 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:01 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:44 | 09/17/24 23:44 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:17 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:57 | 09/17/24 17:57 | ARV | Mt. Juliet, TN |

## RC 14 L1778361-09 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 14:23 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:03 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:45 | 09/17/24 23:45 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:19 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:57 | 09/17/24 17:57 | ARV | Mt. Juliet, TN |

## SME 11 L1778361-10 WW

Collected by: Nathanael Wade | Collected date/time: 09/16/24 12:20 | Received date/time: 09/17/24 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:04 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364252 | 1 | 09/17/24 23:46 | 09/17/24 23:46 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:20 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:58 | 09/17/24 17:58 | ARV | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.2 | | 5.00 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.637 | J5 | 0.140 | 0.250 | 1 | 09/18/2024 13:47 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:31 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0711 | B J J6 | 0.0350 | 0.100 | 1 | 09/18/2024 09:03 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:54 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 11.5 | | 6.10 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.709 | | 0.140 | 0.250 | 1 | 09/18/2024 13:50 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:32 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0824 | B J P1 | 0.0350 | 0.100 | 1 | 09/18/2024 09:06 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:54 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.4 | | 5.00 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.750 | | 0.140 | 0.250 | 1 | 09/18/2024 13:52 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:37 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0600 | B J | 0.0350 | 0.100 | 1 | 09/18/2024 09:08 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:54 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.7 | | 6.75 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.784 | | 0.140 | 0.250 | 1 | 09/18/2024 13:54 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:39 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.108 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:10 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:54 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 7.11 | | 5.55 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.699 | | 0.140 | 0.250 | 1 | 09/18/2024 13:55 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:40 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0871 | B J | 0.0350 | 0.100 | 1 | 09/18/2024 09:11 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:54 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.0 | | 8.33 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.750 | | 0.140 | 0.250 | 1 | 09/18/2024 13:56 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:41 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0875 | B J | 0.0350 | 0.100 | 1 | 09/18/2024 09:12 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:55 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 8.60 | | 5.00 | 1 | 09/18/2024 15:27 | WG2365007 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.792 | | 0.140 | 0.250 | 1 | 09/18/2024 14:00 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.0936 | J | 0.0500 | 0.100 | 1 | 09/17/2024 23:42 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0952 | B J | 0.0350 | 0.100 | 1 | 09/18/2024 09:16 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:55 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 20.4 | | 10.0 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.767 | | 0.140 | 0.250 | 1 | 09/18/2024 14:01 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:44 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0908 | B J | 0.0350 | 0.100 | 1 | 09/18/2024 09:17 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:57 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 14.4 | | 5.00 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.738 | | 0.140 | 0.250 | 1 | 09/18/2024 14:03 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:45 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.0709 | B J | 0.0350 | 0.100 | 1 | 09/18/2024 09:19 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:57 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 6.60 | | 5.00 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.654 | | 0.140 | 0.250 | 1 | 09/18/2024 14:04 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/17/2024 23:46 | WG2364252 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.119 | B P1 | 0.0350 | 0.100 | 1 | 09/18/2024 09:20 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:58 | WG2364222 |

## Method Blank (MB)

(MB) R4122368-1 09/19/24 18:30

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 2.50 | 2.50 |

## L1778365-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1778365-03 09/19/24 18:30 • (DUP) R4122368-3 09/19/24 18:30

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | ND | ND | 1 | 12.5 | P1 | 10 |

## L1778369-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1778369-09 09/19/24 18:30 • (DUP) R4122368-4 09/19/24 18:30

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 104 | 109 | 1 | 4.69 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4122368-2 09/19/24 18:30

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 804 | 104 | 85.0-115 | |

## Method Blank (MB)

(MB) R4122011-1 09/18/24 15:27

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 2.50 | 2.50 |

## L1778237-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1778237-04 09/18/24 15:27 • (DUP) R4122011-3 09/18/24 15:27

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 580 | 574 | 1 | 1.04 | | 10 |

## L1778361-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-06 09/18/24 15:27 • (DUP) R4122011-4 09/18/24 15:27

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 12.0 | 13.0 | 1 | 8.00 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4122011-2 09/18/24 15:27

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 712 | 92.1 | 85.0-115 | |

## Method Blank (MB)

(MB) R4121275-1 09/18/24 13:45

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.140 | 0.250 |

## L1778361-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-02 09/18/24 13:50 • (DUP) R4121275-4 09/18/24 13:51

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.709 | 0.673 | 1 | 5.21 | | 20 |

## L1778361-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-10 09/18/24 14:04 • (DUP) R4121275-5 09/18/24 14:05

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.654 | 0.589 | 1 | 10.5 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4121275-2 09/18/24 13:46

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 12.3 | 12.4 | 101 | 80.0-120 | |

## L1778361-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1778361-01 09/18/24 13:47 • (MS) R4121275-3 09/18/24 13:49

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.637 | 6.69 | 121 | 1 | 90.0-110 | J5 |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/18/24 14:21 • (MS) R4121275-6 09/18/24 14:22 • (MSD) R4121275-7 09/18/24 14:23

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.182 | 7.36 | 7.27 | 144 | 142 | 1 | 90.0-110 | J5 | J5 | 1.23 | 20 |

## Method Blank (MB)

(MB) R4121008-1 09/17/24 23:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0500 | 0.100 |

## L1778188-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1778188-01 09/17/24 23:08 • (DUP) R4121008-3 09/17/24 23:09

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | U | U | 1 | 0.000 | | 20 |

## L1778208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1778208-01 09/17/24 23:13 • (DUP) R4121008-6 09/17/24 23:14

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4121008-2 09/17/24 23:07

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.35 | 94.0 | 90.0-110 | |

## L1778188-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778188-01 09/17/24 23:08 • (MS) R4121008-4 09/17/24 23:10 • (MSD) R4121008-5 09/17/24 23:12

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | U | 2.43 | 2.39 | 97.2 | 95.6 | 1 | 90.0-110 | | | 1.66 | 20 |

## L1778208-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1778208-01 09/17/24 23:13 • (MS) R4121008-7 09/17/24 23:16

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | U | 2.38 | 95.2 | 1 | 90.0-110 | |

## Method Blank (MB)

(MB) R4121089-1 09/18/24 09:01

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.0741 | J | 0.0350 | 0.100 |

## L1778361-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-02 09/18/24 09:06 • (DUP) R4121089-4 09/18/24 09:07

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0824 | 0.0590 | 1 | 33.1 | J P1 | 20 |

## L1778361-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-10 09/18/24 09:20 • (DUP) R4121089-5 09/18/24 09:21

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.119 | 0.0836 | 1 | 34.9 | J P1 | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4121089-2 09/18/24 09:02

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 1.81 | 1.89 | 105 | 85.0-115 | |

## L1778361-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1778361-01 09/18/24 09:03 • (MS) R4121089-3 09/18/24 09:05

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0711 | 0.0833 | 0.488 | 1 | 90.0-110 | J J6 |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/18/24 09:36 • (MS) R4121089-6 09/18/24 09:38 • (MSD) R4121089-7 09/18/24 09:39

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0908 | 2.76 | 2.64 | 107 | 102 | 1 | 90.0-110 | | | 4.44 | 20 |

# QUALITY CONTROL SUMMARY

L1778361-01,02,03,04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4120942-1 09/17/24 17:53

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0140 | 0.0300 |

## L1778365-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1778365-08 09/17/24 18:01 • (DUP) R4120942-3 09/17/24 18:02

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.570 | 0.570 | 1 | 0.000 | | 20 |

## L1778365-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1778365-09 09/17/24 18:02 • (DUP) R4120942-4 09/17/24 18:02

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.564 | 0.554 | 1 | 1.79 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4120942-2 09/17/24 17:53

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.233 | 95.3 | 85.0-115 | |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/17/24 18:03 • (MS) R4120942-5 09/17/24 18:03 • (MSD) R4120942-6 09/17/24 18:03

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | 0.0270 | 0.484 | 0.490 | 91.4 | 92.6 | 1 | 80.0-120 | | | 1.23 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

**360 D Quality Circle NW**
**Suite 450**
**Huntsville. AL 35806**

Billing Information:
**Accounts Payable**
**360 D Quality Circle NW**
**Suite 450**
**Huntsville, AL 35806**

Report to:
**Ms. Sarah Yeldell**

Email To: **syeldell@smeinc.com**

Project Description:
**Etowah MS4**

City/State Collected: Gadsden, AL

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project #
**23820129**

Lab Project #
**QOREHAL-ETOWAHMS4**

Collected by (print):
Nathanael Wade

Site/Facility ID #
**BOAT**

P.O. #

Collected by (signature):

Immediately
Packed on Ice N ___ Y V

***Rush?*** (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk: V | | V | | | | | | | |

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HB 3 | G | WW | -5' | 9/16/24 | 1205 | 4 | X | X | X | X | | | | | | | -01 |
| SME 4 | | WW | | | 1215 | 4 | X | X | X | X | | | | | | | -02 |
| GD 5 | | WW | | | 1330 | 4 | X | X | X | X | | | | | | | -03 |
| SME 3 | | WW | | | 1240 | 4 | X | X | X | X | | | | | | | -04 |
| SME 1 | | WW | | | 1255 | 4 | X | X | X | X | | | | | | | -05 |
| SS5 | | WW | | | 1340 | 4 | X | X | X | X | | | | | | | -06 |
| SME 5 | | WW | | | 1350 | 4 | X | X | X | X | | | | | | | -07 |
| SME 6 | | WW | | | 1408 | 4 | X | X | X | X | | | | | | | -08 |
| RC 14 | | WW | | | 1423 | 4 | X | X | X | X | | | | | | | -09 |
| SME 11 | | WW | | | 1220 | 4 | X | X | X | X | | | | | | | -10 |

* Matrix:
**SS** - Soil **AIR** - Air **F** - Filter
**GW** - Groundwater **B** - Bioassay
**WW** - WasteWater
**DW** - Drinking Water
**OT** - Other_____

**Remarks:**

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| Nathanael Wade | 9/16/24 | 1530 | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) Devan G |

Trip Blank Received: Yes / No
HCL / MeoH
TBR
–

Temp: °C Bottles Received: 40

Date: 9.17.24 Time: 1000

Sample Receipt Checklist

| | | |
|---|---|---|
| COC Seal Present/Intact: | NP | X N |
| COC Signed/Accurate: | | X N |
| Bottles arrive intact: | | X N |
| Correct bottles used: | | X N |
| Sufficient volume sent: | | X N |
| If Applicable | | |
| VOA Zero Headspace: | | Y N |
| Preservation Correct/Checked: | | X N |
| RAD Screen <0.5 mR/hr: | | X N |

PH – 10BDH094
TRC – 3327A228

Hold:

Condition: NCF / OK

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1758361
A016

Acctnum: **QOREHAL**
Template: **T238643**
Prelogin: **P1079652**
PM: **034 - Craig Cothron**
PB:

Shipped Via: **FedEX Ground**

4778361

| Tracking Numbers | [redacted] | Temperature |
|---|---|---|
| 7315 3193 3832 | | 1.0 to 3 = 1.3 TLAG |
| 7315 3193 4059 | | 4.3 to 3 = 4.6 TLAG |
| 7315 3193 4655 | | 2.3 to 3 = 2.6 TLAG |
| 7315 3186 9841 | | 4.7 to 3 = 5.0 TLAG |
| | | |
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| | | |

Name

9.17.24
Date

# ANALYTICAL REPORT

September 23, 2024



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1778365 |
| Samples Received: | 09/17/2024 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | LAND |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## SME 7 L1778365-01 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 11:15 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:06 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 12:52 | 09/18/24 12:52 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:22 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:58 | 09/17/24 17:58 | ARV | Mt. Juliet, TN |

## SME 9 L1778365-02 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 12:00 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:08 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 12:53 | 09/18/24 12:53 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:24 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:58 | 09/17/24 17:58 | ARV | Mt. Juliet, TN |

## SME 10 L1778365-03 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 12:20 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:09 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 12:55 | 09/18/24 12:55 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:25 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 17:59 | 09/17/24 17:59 | ARV | Mt. Juliet, TN |

## SS 13 L1778365-04 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 12:55 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:10 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 12:56 | 09/18/24 12:56 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:26 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 18:00 | 09/17/24 18:00 | ARV | Mt. Juliet, TN |

## SS 14 L1778365-05 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 13:10 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:12 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 12:57 | 09/18/24 12:57 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:27 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 18:00 | 09/17/24 18:00 | ARV | Mt. Juliet, TN |

## GD 12 L1778365-06 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 14:05 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:15 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 12:59 | 09/18/24 12:59 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:31 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 18:00 | 09/17/24 18:00 | ARV | Mt. Juliet, TN |

## RC 2 L1778365-07 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 14:20 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:17 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 13:00 | 09/18/24 13:00 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:33 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 18:01 | 09/17/24 18:01 | ARV | Mt. Juliet, TN |

## AT 5 L1778365-08 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 14:40 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:18 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 13:01 | 09/18/24 13:01 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:34 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 18:01 | 09/17/24 18:01 | ARV | Mt. Juliet, TN |

## SME 12 L1778365-09 WW

Collected by: Gabriella Khong | Collected date/time: 09/16/24 14:50 | Received date/time: 09/17/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2011 | WG2364958 | 1 | 09/18/24 13:45 | 09/19/24 18:30 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2364194 | 1 | 09/17/24 20:34 | 09/18/24 14:19 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2364628 | 1 | 09/18/24 13:02 | 09/18/24 13:02 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2364635 | 1 | 09/17/24 20:34 | 09/18/24 09:35 | KMB | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2364222 | 1 | 09/17/24 18:02 | 09/17/24 18:02 | ARV | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|
| Suspended Solids | 14.1 | | 3.33 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.403 | | 0.140 | 0.250 | 1 | 09/18/2024 14:06 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 1.58 | | 0.0500 | 0.100 | 1 | 09/18/2024 12:52 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.678 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:22 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.577 | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:58 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | ND | | 5.00 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.580 | | 0.140 | 0.250 | 1 | 09/18/2024 14:08 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/18/2024 12:53 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.115 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:24 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 17:58 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|
| Suspended Solids | ND | P1 | 10.0 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 1.38 | | 0.140 | 0.250 | 1 | 09/18/2024 14:09 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.212 | | 0.0500 | 0.100 | 1 | 09/18/2024 12:55 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.106 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:25 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0180 | J | 0.0140 | 0.0300 | 1 | 09/17/2024 17:59 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|
| Suspended Solids | 14.8 | | 10.0 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.877 | | 0.140 | 0.250 | 1 | 09/18/2024 14:10 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/18/2024 12:56 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.129 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:26 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0140 | 0.0300 | 1 | 09/17/2024 18:00 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 10.0 | | 5.00 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 1.33 | | 0.140 | 0.250 | 1 | 09/18/2024 14:12 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.0955 | J | 0.0500 | 0.100 | 1 | 09/18/2024 12:57 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.201 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:27 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0330 | | 0.0140 | 0.0300 | 1 | 09/17/2024 18:00 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 2.70 | | 2.50 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.399 | | 0.140 | 0.250 | 1 | 09/18/2024 14:15 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/18/2024 12:59 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.126 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:31 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0160 | J | 0.0140 | 0.0300 | 1 | 09/17/2024 18:00 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 6.13 | | 3.33 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.502 | | 0.140 | 0.250 | 1 | 09/18/2024 14:17 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | U | | 0.0500 | 0.100 | 1 | 09/18/2024 13:00 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.106 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:33 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0240 | J | 0.0140 | 0.0300 | 1 | 09/17/2024 18:01 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 12.0 | | 3.33 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.473 | | 0.140 | 0.250 | 1 | 09/18/2024 14:18 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 1.68 | | 0.0500 | 0.100 | 1 | 09/18/2024 13:01 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.740 | B | 0.0350 | 0.100 | 1 | 09/18/2024 09:34 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.570 | | 0.0140 | 0.0300 | 1 | 09/17/2024 18:01 | WG2364222 |

## Gravimetric Analysis by Method 2540 D-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Suspended Solids | 10.1 | | 3.33 | 1 | 09/19/2024 18:30 | WG2364958 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.399 | | 0.140 | 0.250 | 1 | 09/18/2024 14:19 | WG2364194 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 1.65 | | 0.0500 | 0.100 | 1 | 09/18/2024 13:02 | WG2364628 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.780 | | 0.0350 | 0.100 | 1 | 09/18/2024 09:35 | WG2364635 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.564 | | 0.0140 | 0.0300 | 1 | 09/17/2024 18:02 | WG2364222 |

## Method Blank (MB)

(MB) R4122368-1 09/19/24 18:30

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 2.50 | 2.50 |

## L1778365-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1778365-03 09/19/24 18:30 • (DUP) R4122368-3 09/19/24 18:30

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | ND | ND | 1 | 12.5 | P1 | 10 |

## L1778369-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1778369-09 09/19/24 18:30 • (DUP) R4122368-4 09/19/24 18:30

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 104 | 109 | 1 | 4.69 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4122368-2 09/19/24 18:30

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 804 | 104 | 85.0-115 | |

## Method Blank (MB)

(MB) R4121275-1 09/18/24 13:45

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.140 | 0.250 |

## L1778361-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-02 09/18/24 13:50 • (DUP) R4121275-4 09/18/24 13:51

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.709 | 0.673 | 1 | 5.21 | | 20 |

## L1778361-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-10 09/18/24 14:04 • (DUP) R4121275-5 09/18/24 14:05

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.654 | 0.589 | 1 | 10.5 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4121275-2 09/18/24 13:46

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 12.3 | 12.4 | 101 | 80.0-120 | |

## L1778361-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1778361-01 09/18/24 13:47 • (MS) R4121275-3 09/18/24 13:49

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.637 | 6.69 | 121 | 1 | 90.0-110 | J5 |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/18/24 14:21 • (MS) R4121275-6 09/18/24 14:22 • (MSD) R4121275-7 09/18/24 14:23

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.182 | 7.36 | 7.27 | 144 | 142 | 1 | 90.0-110 | J5 | J5 | 1.23 | 20 |

## Method Blank (MB)

(MB) R4121194-1 09/18/24 12:36

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0500 | 0.100 |

## L1777917-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1777917-03 09/18/24 12:39 • (DUP) R4121194-3 09/18/24 12:41

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | U | U | 1 | 0.000 | | 20 |

## L1778386-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1778386-01 09/18/24 13:13 • (DUP) R4121194-5 09/18/24 13:14

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4121194-2 09/18/24 12:37

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.68 | 107 | 90.0-110 | |

## L1777917-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1777917-03 09/18/24 12:39 • (MS) R4121194-4 09/18/24 12:42

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | U | 1.94 | 77.6 | 1 | 90.0-110 | J6 |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/18/24 13:13 • (MS) R4121194-6 09/18/24 13:15 • (MSD) R4121194-7 09/18/24 13:16

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | U | 2.56 | 2.62 | 102 | 105 | 1 | 90.0-110 | | | 2.32 | 20 |

## Method Blank (MB)

(MB) R4121089-1 09/18/24 09:01

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.0741 | J | 0.0350 | 0.100 |

## L1778361-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-02 09/18/24 09:06 • (DUP) R4121089-4 09/18/24 09:07

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0824 | 0.0590 | 1 | 33.1 | J P1 | 20 |

## L1778361-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1778361-10 09/18/24 09:20 • (DUP) R4121089-5 09/18/24 09:21

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.119 | 0.0836 | 1 | 34.9 | J P1 | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4121089-2 09/18/24 09:02

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 1.81 | 1.89 | 105 | 85.0-115 | |

## L1778361-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1778361-01 09/18/24 09:03 • (MS) R4121089-3 09/18/24 09:05

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0711 | 0.0833 | 0.488 | 1 | 90.0-110 | J J6 |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/18/24 09:36 • (MS) R4121089-6 09/18/24 09:38 • (MSD) R4121089-7 09/18/24 09:39

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0908 | 2.76 | 2.64 | 107 | 102 | 1 | 90.0-110 | | | 4.44 | 20 |

## Method Blank (MB)

(MB) R4120942-1 09/17/24 17:53

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0140 | 0.0300 |

## L1778365-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1778365-08 09/17/24 18:01 • (DUP) R4120942-3 09/17/24 18:02

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.570 | 0.570 | 1 | 0.000 | | 20 |

## L1778365-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1778365-09 09/17/24 18:02 • (DUP) R4120942-4 09/17/24 18:02

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.564 | 0.554 | 1 | 1.79 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4120942-2 09/17/24 17:53

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.233 | 95.3 | 85.0-115 | |

## L1778386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778386-01 09/17/24 18:03 • (MS) R4120942-5 09/17/24 18:03 • (MSD) R4120942-6 09/17/24 18:03

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | 0.0270 | 0.484 | 0.490 | 91.4 | 92.6 | 1 | 80.0-120 | | | 1.23 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

360 D Quality Circle NW
Suite 450
Huntsville. AL 35806

Billing Information:
Accounts Payable
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Suite 450
Huntsville, AL 35806

Email To: syeldell@smeinc.com

Report to:
Ms. Sarah Yeldell

Project Description:
Etowah MS4

City/State Collected:

Please Circle: PT MT CT ET

Phone: 256-837-8882

Client Project #
23820129

Lab Project #
QOREHAL-ETOWAHMS4

Collected by (print):
Gabriella Khong

Site/Facility ID #
LAND

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SME 7 | Grab | WW | Surface | 9/16/24 | 1115 | 4 | X | X | X | X | | -01 |
| SME 9 | Grab | WW | Surface | 9/16/24 | 1200 | 4 | X | X | X | X | | -02 |
| SME 10 | Grab | WW | Surface | 9/16/24 | 1220 | 4 | X | X | X | X | | -03 |
| SS 13 | Grab | WW | Surface | 9/16/24 | 1255 | 4 | X | X | X | X | | -04 |
| SS 14 | Grab | WW | Surface | 9/16/24 | 1310 | 4 | X | X | X | X | | -05 |
| GD 12 | Grab | WW | Surface | 9/16/24 | 1405 | 4 | X | X | X | X | | -06 |
| RC 2 | Grab | WW | Surface | 9/16/24 | 1420 | 4 | X | X | X | X | | -07 |
| AT 5 | Grab | WW | Surface | 9/16/24 | 1440 | 4 | X | X | X | X | | -08 |
| SME 12 | Grab | WW | Surface | 9/16/24 | 1450 | 4 | X | X | X | X | | -09 |
| | | | | | | | | | | | | |

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # UTF8365
A017

Acctnum: QOREHAL
Template: T238641
Prelogin: P1079651
PM: 034 - Craig Cothron
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR |
|---|---|---|---|---|
| Gabriella Khong | 9/10/24 | 15:10 | | — |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 36 |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 9.17.24 Time: 0900 |

If ___ te/Time
PM - 103D-1091
TRC - 3327A228

Hold:

Condition: NCF / OK

LTT8365

| Tracking Numbers | Temperature |
|---|---|
| 7315 3193 3832 | 1.0 to 3 = 1.3 TLAG |
| 7315 3193 4059 | 4.3 to 3 = 4.6 TLAG |
| 7315 3193 4655 | 2.3 to 3 = 2.6 TLAG |
| 7315 3186 9841 | 4.7 to 3 = 5.0 TLAG |
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Donyanky
Name

9.17.24
Date

# Monitoring Report Fourth Quarter 2024
# Gadsden, Alabama Urbanized Area
# Phase II Small MS4s
# S&ME Project No. 24820156

PREPARED FOR:

**City of Attalla**
**City of Glencoe**
**City of Hokes Bluff**
**City of Rainbow City**
**City of Southside**
**Etowah County**

PREPARED BY:

**S&ME, Inc.**
**360D Quality Circle NW, Ste 450**
**Huntsville, AL 35806**

**April 29, 2025**

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Appendix I – Figures
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# 1.0 Introduction

S&ME, Inc. has prepared this Quarterly Wet-Weather Monitoring Report on behalf of Etowah County and the cities of Attalla, Glencoe, Hokes Bluff, Rainbow City, and Southside. Our work was conducted in general accordance with the proposals issued to each entity.

## 1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the City of Attalla, City of Gadsden, City of Glencoe, City of Hokes Bluff, City of Rainbow City, City of Southside, and portions of unincorporated Etowah County as the *Gadsden, Alabama Urbanized Area*. A map outlining the approximate boundary of the *Gadsden, Alabama Urbanized Area* is included as Figure 1 in Appendix I. The regulated small municipal separate storm sewer systems (MS4s) within the urbanized area are collectively referred to as the Gadsden-Etowah MS4.

The Alabama Department of Environmental Management (ADEM) reissued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems with an effective date of October 1, 2021. Permit numbers for each entity in the Gadsden-Etowah MS4 are provided in Table 1-1.

**Table 1-1 Permit Numbers and Responsible Officials**

| Entity | Permit Number | Name |
|---|---|---|
| City of Attalla | ALR040052 | Larry Means, Mayor |
| City of Gadsden | ALR040053 | Craig Ford, Mayor |
| City of Glencoe | ALR040054 | Chris Hare, Mayor |
| City of Hokes Bluff | ALR040055 | Scott Reeves, Mayor |
| City of Rainbow City | ALR040056 | Joe Taylor, Mayor |
| City of Southside | ALR040057 | Dana Snyder, Mayor |
| Etowah County | ALR040009 | Robert Nail, Engineer |

## 1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40 CFR 130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. In 2008, the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorus), pH, and Dissolved Oxygen. **The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.**

### 1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program Plan (SWMPP). Part IV.D of the NPDES General Permit requires that the SWMPP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Each entity's SWMPP requires implementation of the wet-weather monitoring program as detailed in the *Gadsden-Etowah MS4 Wet-Weather Monitoring Program*, dated April 2022 (hereafter referred to as the 2022 Monitoring Program). The intent of the proposed monitoring program is to evaluate the effectiveness of each MS4's BMPs in achieving the required phosphorus reduction as established in the TMDL and to generally evaluate overall water quality using a watershed approach.

On March 24, 2015, the cities of Attalla, Gadsden, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County entered into a Cooperative Agreement to jointly perform the quarterly monitoring. As of October 1, 2023, the City of Gadsden has elected to separate from the joint monitoring agreement and perform their own monitoring. As of the date of this report, the 2022 Monitoring Program has not been revised, nor has the City of Gadsden prepared a separate monitoring plan.

## 2.0 Rainfall Data

The largest loading of phosphorus to the Coosa River from the Gadsden-Etowah MS4 is expected to occur during runoff events; therefore, the 2022 Monitoring Program requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch, as measured at three rain gauges within the MS4 located a minimum of three miles apart.

From December 8 to December 10, 2024, a rain event was observed in the vicinity of the urbanized area. Table 2-1 lists the observed rain gauges, and the recorded precipitation amounts for the rain event. The locations of the weather stations are identified on Figure 2 in Appendix I.

**Table 2-1 Rainfall Data**

| Gauge Name | Location | Latitude | Longitude | Precip 12/8/24 (inches) | Precip 12/9/24 (inches) | Precip 12/10/24 (inches) | Event Total (inches) |
|---|---|---|---|---|---|---|---|
| KALASHVI18 | Ashville, AL | 33.88 | -86.11 | 0.18 | 0.92 | 1.63 | **2.73** |
| KALASHVI19 | Ashville, AL | 33.84 | -86.25 | NR | NR | NR | NR |
| KALATTAL22 | Attala, AL | 33.99 | -86.11 | 0.16 | 0.77 | 0.89 | **1.82** |

| Gauge Name | Location | Latitude | Longitude | Precip 12/8/24 (inches) | Precip 12/9/24 (inches) | Precip 12/10/24 (inches) | Event Total (inches) |
|---|---|---|---|---|---|---|---|
| KALGADSD117 | Gadsden, AL | 34.03 | -86.07 | NR | NR | NR | NR |
| KALGADSD122 | Gadsden, AL | 33.97 | -85.99 | NR | NR | NR | NR |
| KALGADSD102 | Gadsden, AL | 34.04 | -85.89 | 0.12 | 0.80 | 1.37 | **2.29** |
| KALGADSD3 | Gadsden, AL | 34.06 | -85.99 | NR | NR | NR | NR |
| KALGADSD76 | Gadsden, AL | 33.96 | -85.98 | NR | NR | NR | NR |
| KALGLENC5 | Glencoe, AL | 33.94 | -85.95 | 0.13 | 0.93 | 1.88 | **2.94** |
| KALGLENC7 | Glencoe, AL | 33.97 | -85.91 | 0.10 | 0.81 | 1.40 | **2.31** |
| KALHOKES2 | Hokes Bluff, AL | 33.99 | 85.81 | 0.13 | 0.85 | 1.67 | **2.65** |
| KALHOKES6 | Hokes Bluff, AL | 34.01 | -85.92 | 0.11 | 0.77 | 1.38 | **2.26** |
| KALRAINB17 | Rainbow City, AL | 33.93 | -86.09 | 0.06 | 0.81 | 1.24 | **2.11** |
| KALRAINB19 | Rainbow City, AL | 33.94 | -86.03 | 0.11 | 0.79 | 1.62 | **2.52** |
| KALSOUTH7 | Southside, AL | 33.89 | -86.01 | 0.14 | 0.73 | 1.61 | **2.48** |

NR – Not Reporting

# 3.0 Monitoring Event

On December 11, 2024, S&ME personnel mobilized to conduct storm water monitoring for the fourth quarter of 2024 in general accordance with Section 3 of the *Gadsden-Etowah MS4 Wet-Weather Monitoring Program*, dated April 2022.

## 3.1 Monitoring Locations

The monitoring locations for the six MS4s remaining in the joint monitoring program are identified on Figure 3 in Appendix I. Coordinates for each point are listed in Table 3-1.

### Table 3-1 Monitoring Point Coordinates

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| AT 5 | 34.006446° | -86.069061° | LAND | Big Wills Creek / Little Wills Creek |
| GD 12 | 33.952567° | -86.003495° | LAND | U.T. to Neely Henry Lake |
| RC 2 | 33.967683° | -86.039476° | LAND | Horton Creek |
| SME 10 | 33.985669° | -85.878605° | LAND | U.T. to Big Cove Creek (exiting Hokes Bluff) |
| SME 7 | 34.006225° | -86.111277° | LAND | Big Wills Creek |
| SME 9 | 34.002807° | -85.871879° | LAND | U.T. to Neely Henry Lake |
| SS 13 | 33.891352° | -86.049229° | LAND | Neely Henry Lake |

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| SS 14 | 33.885921° | -86.030683° | LAND | U.T. to Neely Henry Lake |
| GD 5 | 34.014324° | -85.924013° | BOAT | Big Cove Creek / Little Cove Creek |
| HB 3 | 34.002129° | -85.882808° | BOAT | U.T. to Neely Henry Lake |
| RC 14 | 33.905786° | -86.111656° | BOAT | Rook Creek / Dry Creek |
| SME 1 | 33.990184° | -86.004048° | BOAT | Big Wills Creek / Black Creek |
| SME 3 | 34.009698° | -85.956230° | BOAT | Coal Creek |
| SME 4 | 34.001667° | -85.883342° | BOAT | Coosa River channel at north end of MS4 |
| SME 5 | 33.940514° | -86.029885° | BOAT | Coosa River channel at center of MS4 |
| SME 6 | 33.852125° | -86.049695° | BOAT | Confluence of Greens Creek and Coosa River |
| SS 5 | 33.941329° | -86.021569° | BOAT | U.T. to Coosa River |

Following evaluation of the monitoring program for the Annual Reports in May of 2020, monitoring points CO 14, SME 3, and GD 3 were removed from the monitoring program and monitoring points SME 4, SME 5, SME 6, SME 7, and SME 8 were added. The changes to the monitoring program were implemented beginning with the 2020 fourth quarter sampling event. Monitoring point SME 3 was reinstated as part of the monitoring program beginning with the 2021 third quarter sampling event.

Following evaluation of the monitoring program for the 2022 SWMPPs and 2022 Monitoring Program, monitoring points SME 2 and SME 8 were removed from the monitoring program and monitoring points SME 9 and SME 10 were added. The changes to the monitoring program were implemented beginning with the 2022 second quarter sampling event.

**Following the City of Gadsden's separation from the joint monitoring program, S&ME has discontinued monitoring at points CO 15, GD 6, GD 7, GD8, and GD9.** The changes to the monitoring program were implemented beginning with the 2023 fourth quarter sampling event. It is expected that the City of Gadsden will continue to monitor these five locations until the 2022 Monitoring Program is revised.

## 3.2 Sampling Procedures

Samples accessible by land were obtained using a stainless-steel bucket. Samples accessible by boat were obtained using a horizontal Van Dorn sampler. The bucket and Van Dorn sampler were decontaminated prior to use and in between samples.

## 3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used

- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature

Field parameters were measured using a YSI Pro DSS Multi-Probe Meter.

The recorded field observations are included on Table B.1 in Appendix II. The recorded field parameters are included on Table B.2 in Appendix II.

## 3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

### *3.4.1 Sample Containers and Preservation*

The samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed in Table 3-2.

**Table 3-2 Sample Containers and Preservation**

| Parameter | Container | Preservative | Hold Time |
|---|---|---|---|
| Total Suspended Solids (TSS) | HDPE - 1 L | NONE | 7 days |
| Total Phosphorus | HDPE - 250 mL | $H_2SO_4$ | 48 hours |
| Orthophosphate | AMB - 100 mL | NONE | 48 hours |
| Nitrate-Nitrite | HDPE - 250 mL | $H_2SO_4$ | 28 days |
| Total Kjeldahl Nitrogen (TKN) | HDPE - 250 mL | $H_2SO_4$ | 28 days |

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

### *3.4.2 Quality Assurance*

One duplicate sample was submitted to the laboratory. One duplicate sample of monitoring point SME 4 was collected by the boat team during the sampling event and labeled as Duplicate 2.

### *3.4.3 Sample Shipment*

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in Appendix III.

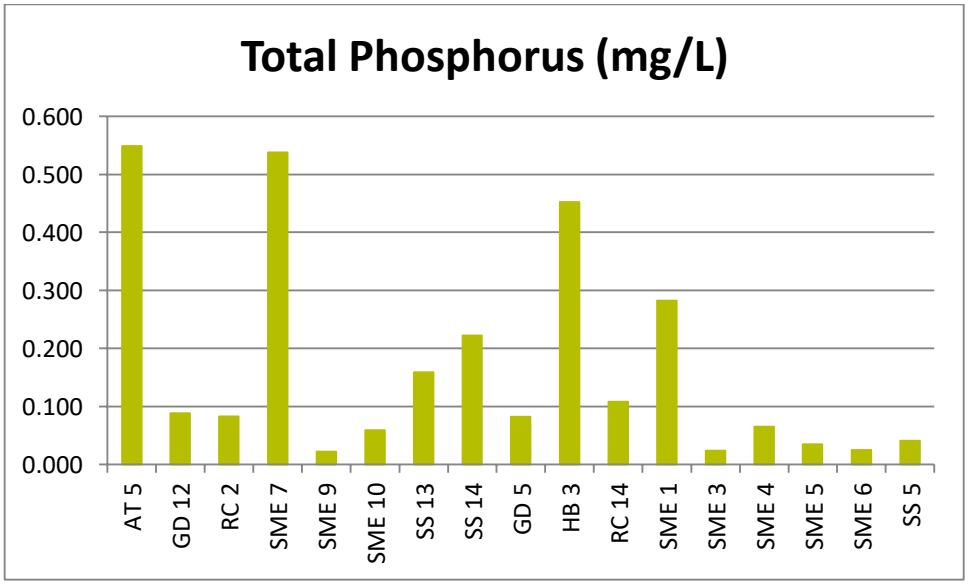
# 4.0 Analytical Results

The laboratory analytical results for the December 11, 2024 quarterly monitoring event are included on Table B.2 in Appendix II. Historical monitoring data for each of the active monitoring points is included in Appendix II as Tables B.3 to B.19. The laboratory reports and Chain of Custody are included in Appendix III.

## 4.1 Total Phosphorus

Total phosphorus was detected at the 17 monitoring points evaluated during the 2024 Q4 monitoring event. As shown in Figure 4-1 below, the concentration of total phosphorus was highest at monitoring point AT 5 (0.549 mg/L), followed by point SME 7 (0.538 mg/L) and point HB 3 (0.452 mg/L). Two of the three points are located at Big Wills Creek.

**Figure 4-1 2024 Q4 Total Phosphorus Concentrations**



## 5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Report submitted by each entity. Monitoring reports will be retained by each entity for a minimum of three years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the 2022 *Gadsden-Etowah Wet-Weather Monitoring Program*. Current membership of the Storm Water Steering Committee is as follows:

**Table 5-1 Storm Water Steering Committee**

| Entity | Contact | Phone No. | Email |
|---|---|---|---|
| City of Attalla | Jason Nicholson | 256-441-9200 | jnicholson@attallacity.org |
| City of Gadsden | Heath Williamson | 256-549-4520 | hwilliamson@cityofgadsden.com |
| City of Gadsden | Keener Morrow | 256-549-4524 | kmorrow@cityofgadsden.com |
| City of Glencoe | Todd Means | 256-492-1424 | toddmeans@cityofglencoe.org |
| City of Hokes Bluff | Lisa Lowman | 256-492-2414 | lisa.lowman@cityofhokesbluff.com |
| City of Rainbow City | Joel Garmon | 256-413-1230 | jgarmon@rbcalabama.com |
| City of Southside | Judd Rich | 256-442-9775 Ext. 103 | juddrich@cityofsouthside.com |
| Etowah County | Robert Nail | 256-549-5358 | rnail@etowahcounty.org |

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

## 6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

_____ _____

Signature of Responsible Official Date

_____ _____

Print Name and Title MS4 Entity

## 7.0 Acknowledgement

S&ME certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

## 8.0 Closing

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

**S&ME, Inc.**

Nathanael A. Wade, E.I.
Professional III - Engineering

Deborah J. Jones, P.E.
Senior Engineer

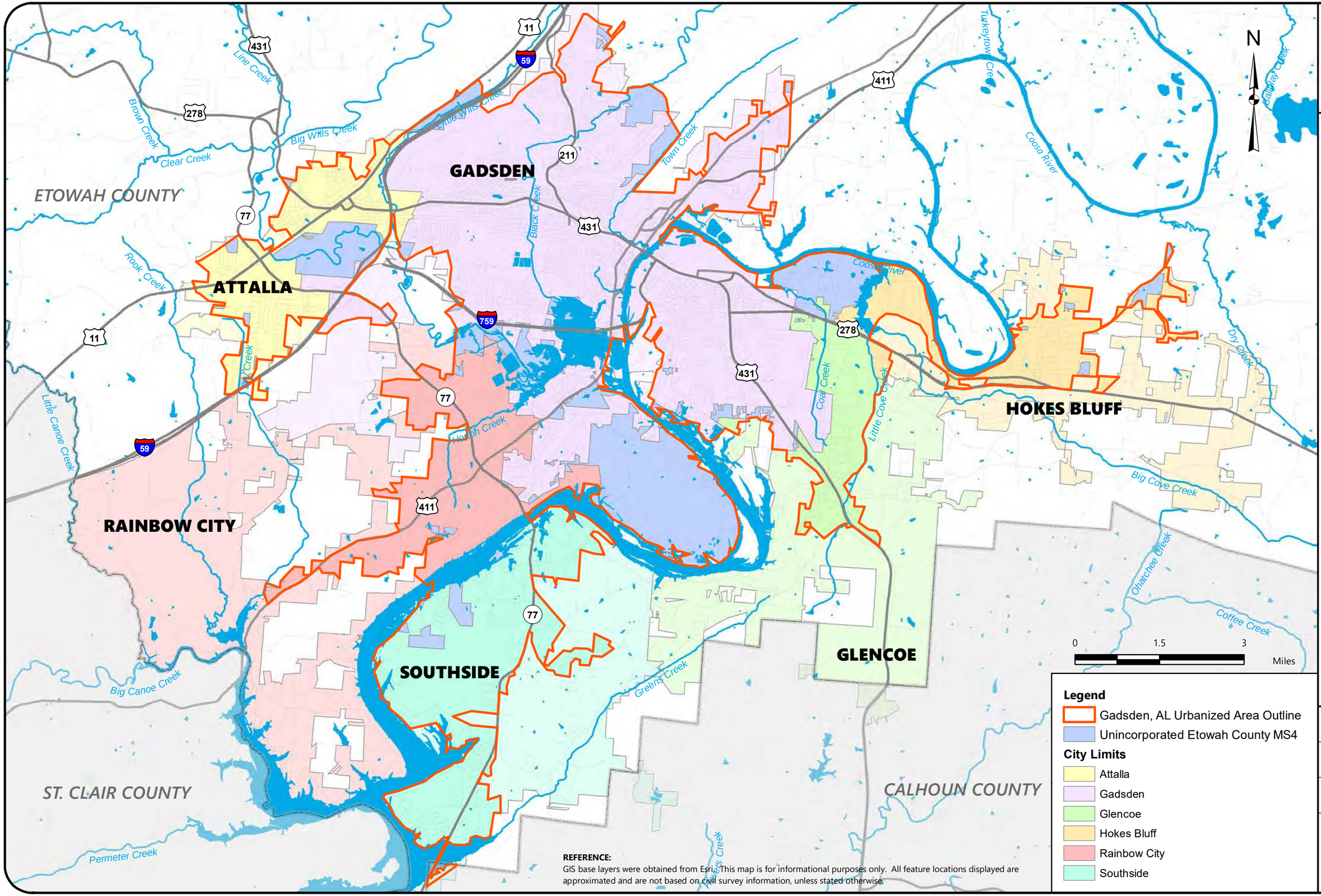
# Appendices

# Appendix I – Figures

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – Rain Gauge Location

Figure 3 – MS4 Monitoring Locations




**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

# GADSDEN-ETOWAH MS4 BOUNDARIES

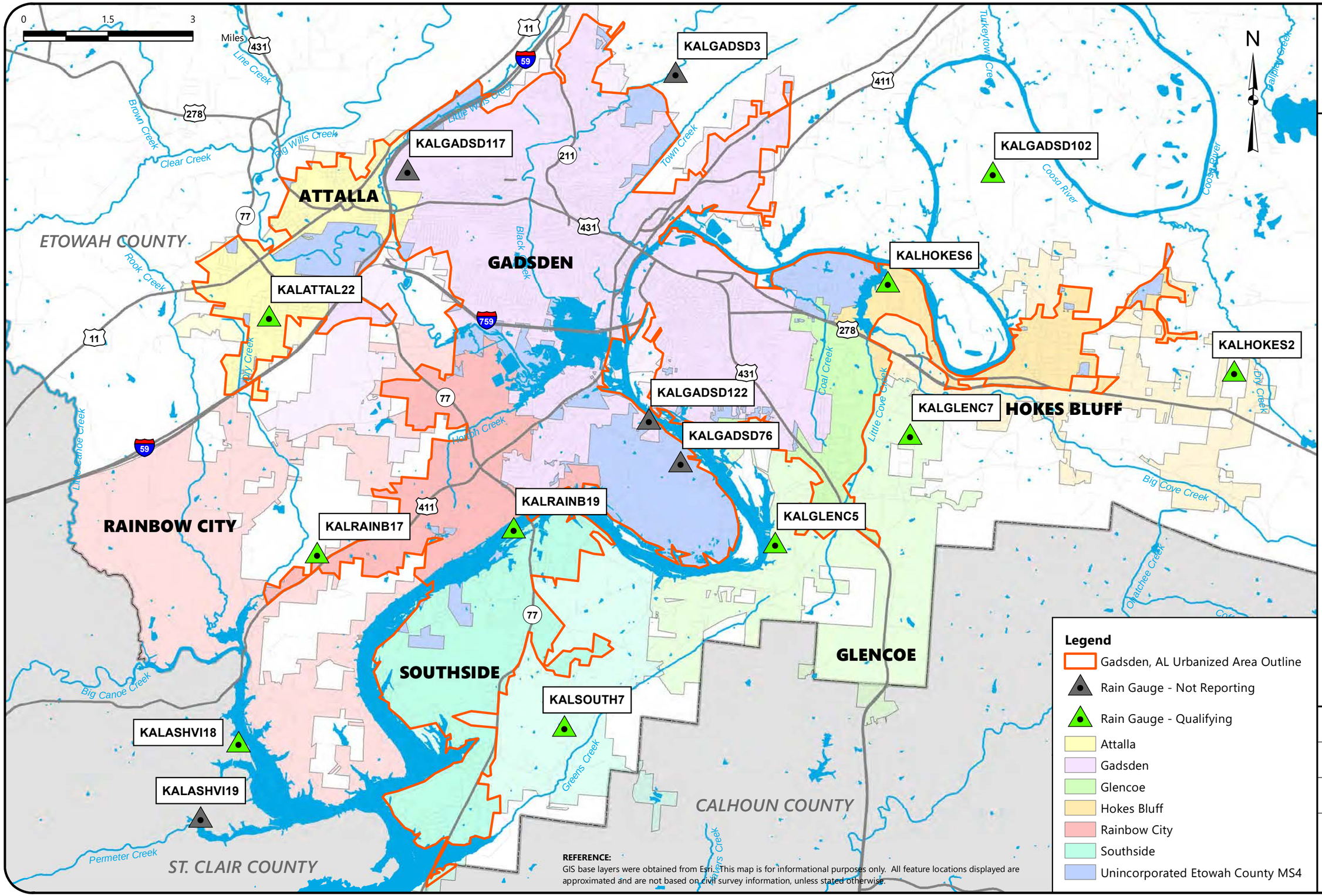
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE:
1:100,000

DATE:
12/21/2023

PROJECT NUMBER
23820129

FIGURE NO.
1




**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

# DECEMBER 8-10, 2024 RAIN EVENT

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE:
1:100,000

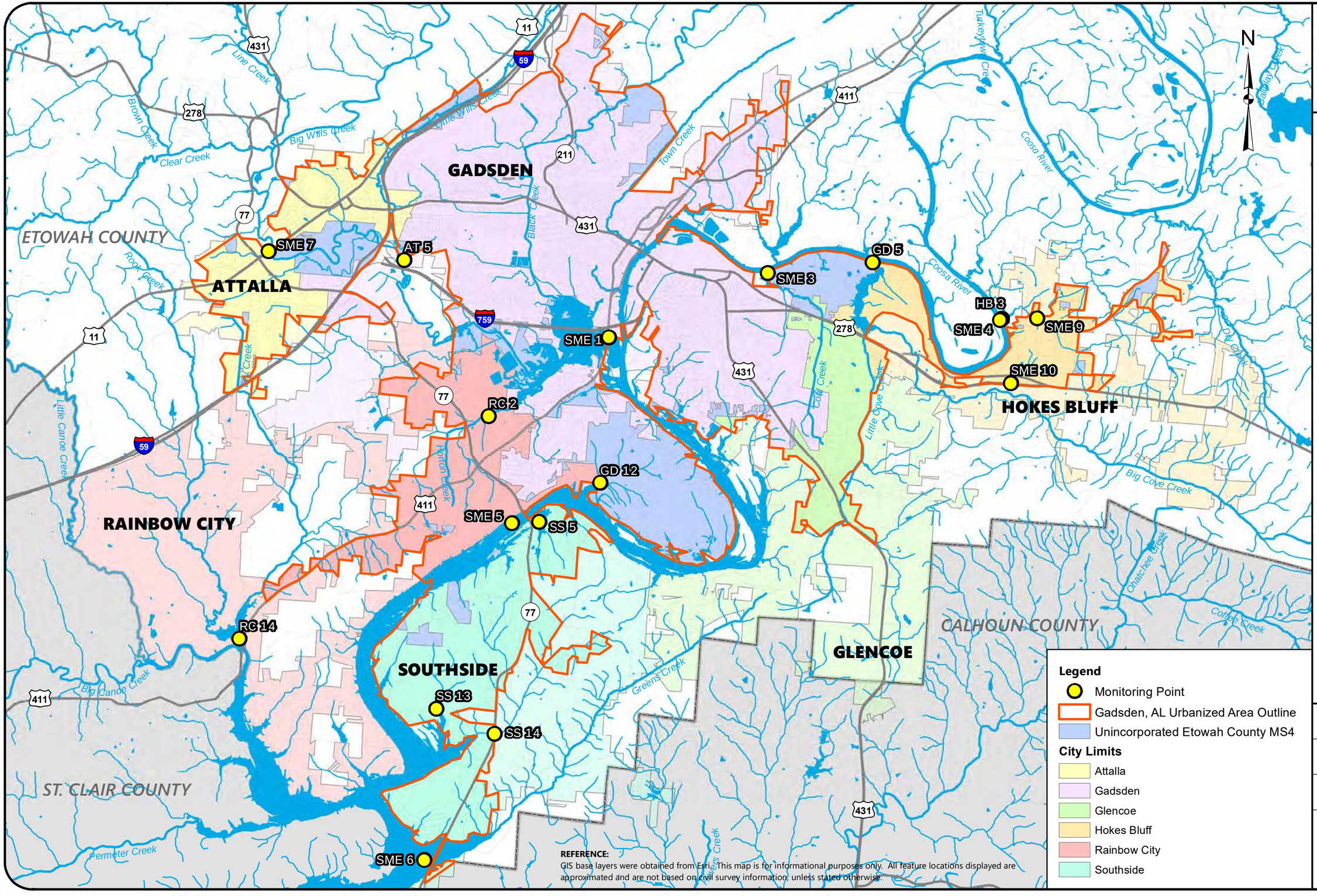
DATE:
4/17/2025

PROJECT NUMBER
23820129

FIGURE NO.
2

# WET-WEATHER MONITORING LOCATIONS

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009




**Legend**

- Monitoring Point
- Gadsden, AL Urbanized Area Outline
- Unincorporated Etowah County MS4

**City Limits**

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

| | |
|---|---|
| SCALE: | 1:100,000 |
| DATE: | 11/17/2023 |
| PROJECT NUMBER | 22820261 |
| FIGURE NO. | 3 |

# Appendix II – Tables

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.19 – Historical Analytical Data

## TABLE B.1 - FIELD OBSERVATIONS
## 2024 Q4 MS4 WET-WEATHER MONITORING

| Monitoring Point | Date | Time | Sample Depth (ft) | Personnel | Weather Conditions | Waterbody Conditions |
|---|---|---|---|---|---|---|
| AT 5 | 12/11/2024 | 10:25 | -0.5 | PC/CW | Sunny | Smooth |
| GD 12 | 12/11/2024 | 11:35 | -0.5 | PC/CW | Sunny | Smooth |
| RC 2 | 12/11/2024 | 10:45 | -0.5 | PC/CW | Sunny | Smooth |
| SME 7 | 12/11/2024 | 12:10 | -0.5 | PC/CW | Sunny | Smooth |
| SME 9 | 12/11/2024 | 12:50 | -0.5 | PC/CW | Sunny | Slow |
| SME 10 | 12/11/2024 | 13:00 | -0.5 | PC/CW | Sunny | Slow |
| SS 13 | 12/11/2024 | 11:10 | -0.5 | PC/CW | Sunny | Slow |
| SS 14 | 12/11/2024 | 11:20 | -0.5 | PC/CW | Sunny | Slow |
| GD 5 | 12/11/2024 | 10:57 | -5 | NW | Cloudy | Rough |
| HB 3 | 12/11/2024 | 10:30 | -5 | NW | Cloudy | Fast |
| RC 14 | 12/11/2024 | 13:30 | -5 | NW | Cloudy | Rough |
| SME 1 | 12/11/2024 | 11:25 | -5 | NW | Cloudy | Rough |
| SME 3 | 12/11/2024 | 11:10 | -5 | NW | Cloudy | Rough |
| SME 4 | 12/11/2024 | 10:40 | -5 | NW | Cloudy | Fast |
| SME 5 | 12/11/2024 | 12:30 | -5 | NW | Cloudy | Rough |
| SME 6 | 12/11/2024 | 13:15 | -5 | NW | Cloudy | Rough |
| SS 5 | 12/11/2024 | 12:20 | -5 | NW | Cloudy | Smooth |

## TABLE B.2 - ANALYTICAL DATA
## 2024 Q4 MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Monitoring Point** | **Date** | **Turbidity (NTU)** | **pH** | **DO (mg/L)** | **Sample Temp (°C)** | **TSS (mg/L)** | **TKN (mg/L)** | **Nitrate-Nitrite (mg/L)** | **Total Phosphorus (mg/L)** | **Ortho-Phosphate (mg/L)** |
| AT 5 | 12/11/2024 | 12.64 | 7.43 | 7.27 | 12.2 | 7.79 | 0.526 | **1.07** | **0.549** | 0.499 |
| GD 12 | 12/11/2024 | 13.93 | 7.43 | 7.28 | 11.2 | 7.07 | **0.702** | 0.205 | 0.0884 | 0.0410 |
| RC 2 | 12/11/2024 | 42.79 | 7.50 | 6.73 | 12.3 | 18.2 | 0.559 | 0.248 | 0.0826 | <0.0196 |
| SME 7 | 12/11/2024 | 9.52 | 7.44 | 7.54 | 11.1 | 8.78 | 0.293 | 1.06 | 0.538 | **0.788** |
| SME 9 | 12/11/2024 | 10.22 | 7.38 | 7.02 | 11.5 | 6.49 | 0.454 | 0.123 | 0.0221 | <0.0196 |
| SME 10 | 12/11/2024 | 25.53 | 7.40 | 6.89 | **12.6** | 7.40 | 0.698 | 0.163 | 0.0593 | <0.0196 |
| SS 13 | 12/11/2024 | 10.61 | 7.47 | 6.57 | 12.2 | 7.45 | 1.25 | 0.322 | 0.159 | 0.0840 |
| SS 14 | 12/11/2024 | 24.68 | 7.56 | 7.28 | 11.3 | 9.86 | 0.696 | 0.496 | 0.222 | 0.155 |
| GD 5 | 12/11/2024 | 21.8 | 7.88 | 9.94 | 10.4 | 20.3 | 0.285 | 0.139 | 0.0823 | <0.0196 |
| HB 3 | 12/11/2024 | 15.2 | 8.02 | **10.61** | 10.1 | 30.0 | 0.352 | 0.202 | 0.452 | <0.0196 |
| RC 14 | 12/11/2024 | 89.6 | 7.44 | 8.88 | 11.3 | **65.6** | 0.561 | 0.315 | 0.108 | 0.0790 |
| SME 1 | 12/11/2024 | 30.9 | **8.28** | 10.44 | 9.8 | 19.4 | 0.334 | 0.327 | 0.282 | <0.0196 |
| SME 3 | 12/11/2024 | **139.2** | 7.61 | 9.62 | 10.7 | 111 | 0.411 | 0.146 | 0.0238 | <0.0196 |
| SME 4 | 12/11/2024 | 7.8 | 7.93 | 10.58 | 9.6 | 11.6 | 0.305 | 0.202 | 0.0652 | <0.0196 |
| *Duplicate 2* | 12/11/2024 | *DUPLICATE OF SME 4* | | | | *22.5* | *0.309* | *0.199* | *0.0639* | <0.0196 |
| SME 5 | 12/11/2024 | 7.9 | 7.87 | 10.56 | 10.0 | 8.80 | 0.407 | 0.213 | 0.0348 | <0.0196 |
| SME 6 | 12/11/2024 | 61.0 | 7.95 | 10.59 | 10.7 | 103 | 0.326 | 0.179 | 0.0250 | <0.0196 |
| SS 5 | 12/11/2024 | 24.0 | 7.78 | 10.00 | 11.6 | 23.3 | 0.451 | 0.162 | 0.0407 | 0.150 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
NS - Not Sampled

Bold - maximum reading for constituent
NA - not availabe at this time
* - value unknown due to equipment malfuction

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 3/12/2013 | 15 | 7.80 | 11.04 | 12.55 | 20.0 | 0.37 | 0.61 | 0.14 | 0.150 |
| AT 5 | 5/8/2013 | 25 | 5.08 | 2.59 | 14.69 | 19.0 | 0.56 | 0.31 | 0.11 | 0.099 |
| AT 5 | 9/23/2013 | 21 | 5.96 | 3.95 | 22.88 | 22.0 | 0.37 | 1.30 | 0.35 | 0.400 |
| AT 5 | 12/10/2013 | 68 | 5.32 | 11.43 | 8.21 | 64.0 | 0.97 | 0.79 | 0.34 | 0.290 |
| AT 5 | 2/6/2014 | 40 | 4.06 | 15.29 | 7.28 | 32.0 | 0.35 | 0.80 | 0.13 | 0.130 |
| AT 5 | 6/26/2014 | 70 | 7.85 | 7.61 | 23.89 | 19.0 | 0.38 | 0.77 | 0.28 | 0.340 |
| AT 5 | 9/30/2014 | 15 | 5.78 | 6.63 | 21.03 | 14.0 | <0.25 | 0.94 | 0.54 | 0.490 |
| AT 5 | 11/19/2014 | 47 | 5.08 | 10.23 | 6.91 | 27.0 | 0.50 | 1.30 | 0.39 | 0.410 |
| AT 5 | 3/23/2015 | 17 | 8.69 | 9.39 | 14.5 | 15.0 | 0.27 | 0.71 | 0.14 | 0.130 |
| AT 5 | 4/22/2015 | 53 | 6.93 | 11.13 | 18.4 | 76.0 | <0.25 | 0.69 | 0.13 | 0.110 |
| AT 5 | 9/30/2015 | 15 | 6.37 | 9.45 | 21.63 | 16.4 | <0.25 | 1.82 | 0.86 | 0.664 |
| AT 5 | 11/19/2015 | 934 | 7.38 | 19.33 | 14.98 | 74.6 | 1.47 | 0.67 | 0.31 | 0.261 |
| AT 5 | 3/15/2016 | 30.2 | 7.93 | 20.43 | 16.86 | 26.7 | 0.772 | 0.578 | <0.100 | 0.068 |
| AT 5 | 6/29/2016 | 18.1 | 7.99 | 6.57 | 25.4 | 14.5 | <0.250 | 0.800 | 0.71 | 0.598 |
| AT 5 | 8/9/2016 | 17.1 | 7.89 | 6.47 | 25.8 | 18.3 | 0.268 | 0.975 | 0.502 | 0.482 |
| AT 5 | 12/7/2016 | 26.5 | 7.08 | 10.19 | 11.3 | 16.9 | <0.250 | 0.663 | 0.474 | 0.450 |
| AT 5 | 3/2/2017 | 50.8 | 8.14 | 8.86 | 13.4 | 44.6 | 0.529 | 1.08 | 0.373 | 0.267 |
| AT 5 | 6/21/2017 | 11.7 | 7.98 | 6.74 | 23.3 | 70.0 | 0.544 | 0.616 | 0.366 | 0.226 |
| AT 5 | 8/17/2017 | 9.5 | 8.09 | 6.77 | 26.0 | 12.0 | 0.690 | 0.890 | 0.283 | 0.258 |
| AT 5 | 10/26/2017 | 9.8 | 7.95 | 8.25 | 15.7 | 9.4 | <0.250 | 0.936 | 0.250 | 0.226 |
| AT 5 | 3/27/2018 | 14.5 | 7.79 | 9.03 | 12.9 | 15.9 | <0.250 | 0.849 | 0.148 | 0.162 |
| AT 5 | 6/26/2018 | 16.4 | 8.06 | 6.89 | 25.5 | 25.2 | 0.411 | 0.849 | 0.246 | 0.230 |

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 8/1/2018 | 77.9 | 7.33 | 7.16 | 22.3 | 107.0 | 0.680 | 0.510 | 0.401 | 0.285 |
| AT 5 | 12/11/2018 | 29.2 | 7.59 | 10.73 | 9.4 | 46.2 | 0.579 | 1.09 | 0.204 | 0.066 |
| AT 5 | 4/17/2019 | 12.2 | 7.63 | 8.99 | 17.9 | 14.4 | <0.250 | 0.638 | <0.100 | 0.061 |
| AT 5 | 6/11/2019 | 24.6 | 7.18 | 3.48 | 22.2 | 15.9 | 0.486 | 0.822 | 0.290 | 0.206 |
| AT 5 | 8/28/2019 | 20.7 | 7.84 | 7.42 | 27.1 | 23.5 | 1.070 | 0.534 | 0.485 | 0.404 |
| AT 5 | 10/28/2019 | 22.5 | 7.84 | 8.45 | 15.1 | 17.0 | <0.250 | 0.665 | 0.499 | 0.523 |
| AT 5 | 3/31/2020 | 23.1 | 8.09 | 9.07 | 16.6 | 27.1 | <0.250 | 0.657 | 0.102 | 0.032 |
| AT 5 | 6/10/2020 | 19.4 | 7.56 | 7.35 | 23.2 | 22.8 | <0.250 | 0.825 | 0.243 | 0.248 |
| AT 5 | 9/21/2020 | NS | 8.08 | 8.21 | 20.6 | 11.3 | <0.250 | 0.603 | 0.399 | 0.491 |
| AT 5 | 12/17/2020 | 28.7 | 7.91 | 11.21 | 9.6 | 18.6 | <0.250 | 0.831 | <0.100 | 0.087 |
| AT 5 | 3/18/2021 | 119.0 | 7.82 | 10.68 | 17.2 | 55.6 | <0.250 | 0.310 | <0.100 | 0.050 |
| AT 5 | 5/5/2021 | 6.5 | 7.24 | 8.45 | 18.1 | 43.7 | 1.37 | 6.86 | 0.157 | 0.121 |
| AT 5 | 9/2/2021 | EF | EF | 7.75 | 23.4 | 67.4 | 0.969 | 0.482 | 0.262 | 0.131 |
| AT 5 | 11/23/2021 | <1.0 | 8.13 | 11.09 | 12.9 | 2.6 | <0.250 | 0.343 | 0.253 | <0.0300 |
| AT 5 | 1/10/2022 | 20.8 | 7.39 | 11.46 | 10.0 | 29.7 | 0.279 | 0.769 | 0.184 | 0.126 |
| AT 5 | 4/7/2022 | 21.9 | 7.53 | 9.30 | 16.6 | 33.8 | 0.380 | 0.509 | 0.121 | 0.101 |
| AT 5 | 8/3/2022 | 21.7 | 8.17 | 7.50 | 26.0 | 30.8 | 0.702 | 0.715 | 0.323 | 0.271 |
| AT 5 | 11/16/2022 | 6.4 | 7.80 | 10.62 | 11.1 | 7.3 | <0.250 | 0.366 | 0.420 | 0.448 |
| AT 5 | 2/13/2023 | 32.6 | 7.29 | 11.01 | 11.5 | 38.0 | 0.301 | 0.699 | <0.100 | 0.081 |
| AT 5 | 5/24/2023 | 14.4 | 7.80 | 8.94 | 20.0 | 20.0 | 0.331 | 0.697 | 0.182 | 0.127 |
| AT 5 | 8/7/2023 | 10.54 | 7.87 | 9.13 | 26.5 | 12.4 | 0.291 | 0.832 | 0.430 | 0.373 |
| AT 5 | 12/12/2023 | 22.78 | 7.77 | 8.71 | 9.1 | 10.9 | 0.329 | 0.696 | 0.782 | 0.752 |

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| AT 5 | 1/10/2024 | 185.14 | 7.45 | 8.57 | 8.8 | 220.0 | 0.732 | 0.642 | 0.498 | 0.299 |
| AT 5 | 5/20/2024 | 9.07 | 7.74 | 8.53 | 28.1 | 11.6 | <0.250 | 0.737 | 0.192 | 0.120 |
| AT 5 | 9/16/2024 | 7.40 | 7.06 | 7.88 | 23.7 | 12.0 | 0.473 | 1.68 | 0.740 | 0.570 |
| AT 5 | 12/11/2024 | 12.64 | 7.43 | 7.27 | 12.2 | 7.79 | 0.526 | 1.07 | 0.549 | 0.499 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 3/12/2013 | 8.5 | 7.41 | 10.93 | 13.43 | 3.9 | 0.54 | 0.25 | <0.100 | 0.030 |
| GD 12 | 5/8/2013 | 15.0 | 6.73 | 2.35 | 16.53 | 7.5 | 0.40 | 0.21 | <0.100 | 0.030 |
| GD 12 | 9/23/2013 | 9.8 | 6.76 | 3.94 | 26.07 | 9.0 | 0.48 | <0.10 | <0.100 | 0.026 |
| GD 12 | 12/10/2013 | 18.8 | 6.15 | 10.09 | 10.18 | 5.9 | 0.45 | 0.22 | 0.11 | 0.079 |
| GD 12 | 2/6/2014 | 12.3 | 4.17 | 16.99 | 5.76 | 3.9 | 0.28 | 0.31 | <0.100 | <0.025 |
| GD 12 | 6/26/2014 | 28.5 | 8.38 | 9.40 | 26.72 | 32.0 | 0.62 | 0.11 | 0.12 | 0.035 |
| GD 12 | 9/30/2014 | 10.6 | 7.68 | 5.77 | 24.68 | 11.0 | 0.39 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2014 | 14.7 | 6.95 | 5.93 | 5.85 | 6.6 | 0.39 | 0.28 | 0.13 | <0.025 |
| GD 12 | 3/23/2015 | 17.6 | 7.80 | 9.56 | 16.80 | 8.1 | 0.59 | 0.24 | <0.100 | <0.025 |
| GD 12 | 4/22/2015 | 17.3 | 7.45 | 11.04 | 19.80 | 14.0 | 0.43 | 0.25 | <0.100 | <0.025 |
| GD 12 | 9/30/2015 | 7.4 | 7.30 | 11.07 | 24.67 | 8.5 | 0.695 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2015 | 22.9 | 7.07 | 19.14 | 14.68 | 12.0 | 0.769 | 0.281 | 0.15 | 0.100 |
| GD 12 | 3/15/2016 | 9.8 | 7.43 | 13.14 | 16.05 | 4.6 | 0.434 | 0.254 | <0.100 | 0.032 |
| GD 12 | 6/29/2016 | 12.9 | 8.22 | 7.68 | 31.20 | 12.0 | 0.380 | <0.100 | <0.100 | 0.036 |
| GD 12 | 8/9/2016 | 22.1 | 7.57 | 4.39 | 27.60 | 13.3 | 0.629 | <0.100 | <0.100 | <0.025 |
| GD 12 | 12/7/2016 | 10.3 | 7.18 | 6.65 | 11.4 | 4.0 | 0.599 | 0.142 | <0.100 | <0.025 |
| GD 12 | 3/2/2017 | 15.4 | 7.79 | 10.12 | 11.70 | 6.1 | 0.583 | 0.223 | 0.12 | <0.025 |
| GD 12 | 6/21/2017 | 16.1 | 7.43 | 5.12 | 24.3 | 16.8 | 0.770 | <0.100 | <0.100 | <0.025 |
| GD 12 | 8/17/2017 | 6.3 | 8.13 | 5.80 | 29.90 | 13.3 | 0.583 | <0.100 | <0.100 | <0.025 |
| GD 12 | 10/26/2017 | 9.8 | 6.74 | 7.53 | 13.2 | 7.8 | 0.312 | 0.19 | <0.100 | <0.025 |
| GD 12 | 3/27/2018 | 6.3 | 7.71 | 9.24 | 11.5 | 4.2 | <0.25 | 0.356 | <0.100 | <0.025 |
| GD 12 | 6/26/2018 | 9.9 | 7.44 | 4.35 | 26.1 | 13.2 | 0.528 | 0.102 | <0.100 | <0.025 |

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 8/1/2018 | 42.3 | 7.05 | 7.33 | 22.7 | 43.8 | 1.230 | 0.108 | 0.286 | 0.159 |
| GD 12 | 12/11/2018 | 9.5 | 6.68 | 11.46 | 7.8 | 4.3 | 0.574 | 0.313 | <0.100 | <0.025 |
| GD 12 | 4/17/2019 | 9.1 | 7.45 | 9.20 | 17.5 | 4.0 | 0.272 | 0.257 | <0.100 | <0.025 |
| GD 12 | 6/11/2019 | 19.0 | 7.20 | 3.25 | 22.0 | 8.2 | 0.820 | 0.223 | 0.121 | 0.066 |
| GD 12 | 8/28/2019 | 11.0 | 7.83 | 7.61 | 28.2 | 9.4 | 0.764 | <0.100 | 0.103 | <0.025 |
| GD 12 | 10/28/2019 | 18.9 | 5.34 | 6.65 | 14.7 | 12.3 | 0.387 | 0.197 | <0.100 | 0.044 |
| GD 12 | 3/31/2020 | 76.3 | 6.71 | 9.44 | 14.5 | 143 | 1.00 | 0.177 | 0.167 | 0.0650 |
| GD 12 | 6/10/2020 | 12.3 | 6.46 | 6.44 | 25.8 | 11.4 | 0.438 | <0.100 | <0.100 | <0.030 |
| GD 12 | 9/21/2020 | NS | 7.18 | 7.15 | 19.9 | 7.6 | <0.250 | 0.103 | <0.100 | <0.030 |
| GD 12 | 12/17/2020 | 13.1 | 8.03 | 11.10 | 8.5 | 3.7 | <0.250 | 0.268 | <0.100 | <0.030 |
| GD 12 | 3/18/2021 | 36.2 | 7.92 | 10.04 | 17.1 | 17.6 | 0.621 | 0.163 | <0.100 | <0.030 |
| GD 12 | 5/5/2021 | 4.1 | 7.49 | 8.97 | 18.9 | 16.4 | 0.610 | 7.26 | <0.100 | <0.030 |
| GD 12 | 9/2/2021 | EF | EF | 7.34 | 24.4 | 3.5 | 0.779 | 0.245 | <0.100 | <0.030 |
| GD 12 | 11/23/2021 | <1.0 | 7.80 | 11.27 | 12.5 | 2.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 1/10/2022 | 10.7 | 7.29 | 12.18 | 8.5 | 3.7 | 0.325 | 0.230 | <0.100 | <0.0300 |
| GD 12 | 4/7/2022 | 6.19 | 7.51 | 9.97 | 17.0 | 3.4 | 0.522 | 0.177 | <0.100 | 0.0740 |
| GD 12 | 8/3/2022 | 11.8 | 8.09 | 8.02 | 31.5 | 6.4 | 0.999 | <0.100 | 0.142 | <0.0300 |
| GD 12 | 11/16/2022 | 3.9 | 7.25 | 9.67 | 11.2 | 4.5 | 0.407 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 2/13/2023 | 10.0 | 5.69 | 11.45 | 12.2 | 2.9 | 0.750 | 0.277 | <0.100 | <0.0300 |
| GD 12 | 5/24/2023 | 4.3 | 7.73 | 9.20 | 20.5 | 4.60 | 0.357 | 0.293 | 0.0372 | 0.0440 |
| GD 12 | 8/7/2023 | 8.17 | 7.85 | 8.85 | 31.0 | 5.20 | 0.813 | <0.100 | 0.0945 | <0.0300 |
| GD 12 | 12/12/2023 | 4.80 | 7.44 | 7.67 | 9.8 | <2.50 | 0.412 | 0.164 | 0.0233 | <0.0140 |

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 1/10/2024 | 15.55 | 7.21 | 8.93 | 9.0 | 5.60 | 0.437 | 0.389 | 0.0611 | 0.0410 |
| GD 12 | 5/20/2024 | 14.36 | 7.10 | 7.69 | 26.8 | 9.80 | 0.496 | 0.102 | 0.0698 | <0.0300 |
| GD 12 | 9/16/2024 | 3.20 | 6.92 | 8.53 | 25.7 | 2.70 | 0.399 | <0.0500 | 0.126 | 0.0160 |
| GD 12 | 12/11/2024 | 13.93 | 7.43 | 7.28 | 11.2 | 7.07 | 0.702 | 0.205 | 0.0884 | 0.0410 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 3/12/2013 | 29.1 | 7.73 | 9.83 | 10.53 | 14.0 | 0.75 | 0.12 | <0.100 | 0.088 |
| RC 2 | 5/8/2013 | 18.9 | 6.16 | 3.06 | 16.36 | 12.0 | 0.55 | 0.19 | <0.100 | <0.025 |
| RC 2 | 9/23/2013 | 11.4 | 6.24 | 3.00 | 23.61 | 6.3 | 0.43 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/10/2013 | 33.6 | 6.07 | 11.71 | 8.38 | 10.0 | 0.54 | 0.11 | <0.100 | 0.062 |
| RC 2 | 2/6/2014 | 30.4 | 3.89 | 17.28 | 5.62 | 9.6 | 0.43 | 0.26 | <0.100 | <0.025 |
| RC 2 | 6/26/2014 | 17.6 | 7.90 | 6.81 | 24.81 | 7.2 | 0.44 | 0.15 | <0.100 | <0.025 |
| RC 2 | 9/30/2014 | 3.4 | 7.27 | 5.55 | 22.25 | 2.5 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2014 | 27.4 | 5.65 | 7.14 | 5.72 | 11.0 | 0.43 | 0.17 | <0.100 | <0.025 |
| RC 2 | 3/23/2015 | 45.0 | 8.23 | 9.07 | 16.00 | 18.0 | 0.81 | 0.15 | <0.100 | 0.044 |
| RC 2 | 4/22/2015 | 14.1 | 7.64 | 11.42 | 18.40 | 4.8 | <0.25 | 0.26 | <0.100 | <0.025 |
| RC 2 | 9/30/2015 | 7.1 | 5.93 | 9.28 | 23.33 | 4.6 | <0.25 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2015 | 114.0 | 7.36 | 21.94 | 15.29 | 14.4 | 0.75 | 0.271 | 0.133 | <0.025 |
| RC 2 | 3/15/2016 | 14.5 | 7.62 | 16.67 | 14.61 | 6.0 | 0.43 | 0.181 | <0.100 | <0.025 |
| RC 2 | 6/29/2016 | 12.1 | 7.78 | 4.31 | 28.30 | 10.9 | 0.35 | <0.100 | <0.100 | 0.077 |
| RC 2 | 8/9/2016 | 24.5 | 8.12 | 5.05 | 26.50 | 9.9 | 0.45 | 0.140 | <0.100 | <0.025 |
| RC 2 | 12/7/2016 | 17.2 | 7.86 | 7.47 | 12.0 | 11.9 | 0.53 | 0.200 | <0.100 | <0.025 |
| RC 2 | 3/2/2017 | 25.3 | 7.71 | 7.74 | 13.10 | 8.0 | 0.45 | 0.166 | <0.100 | <0.025 |
| RC 2 | 6/21/2017 | 14.2 | 7.91 | 5.61 | 23.7 | 12.3 | 0.51 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/17/2017 | 18.2 | 8.08 | 4.94 | 27.90 | 72.2 | 0.72 | <0.100 | 0.133 | <0.025 |
| RC 2 | 10/26/2017 | 18.1 | 7.57 | 7.05 | 15.2 | 17.5 | 0.27 | <0.100 | <0.100 | <0.025 |
| RC 2 | 3/27/2018 | 18.2 | 7.91 | 8.43 | 12.4 | 12.5 | <0.25 | 0.146 | <0.100 | <0.025 |
| RC 2 | 6/26/2018 | 18.8 | 7.94 | 6.19 | 26.5 | 13.0 | 0.802 | 0.101 | <0.100 | <0.025 |

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 8/1/2018 | 56.8 | 7.40 | 7.10 | 22.4 | 84.4 | 0.506 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/11/2018 | 16.0 | 7.54 | 11.41 | 7.7 | 3.1 | 0.479 | 0.316 | <0.100 | <0.025 |
| RC 2 | 4/17/2019 | 7.0 | 7.77 | 8.67 | 18.9 | <5.00 | 0.288 | 0.165 | <0.100 | <0.025 |
| RC 2 | 6/11/2019 | 14.3 | 6.83 | 3.78 | 23.0 | 5.2 | 0.520 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/28/2019 | 14.4 | 8.01 | 7.30 | 28.0 | 4.8 | 0.748 | <0.100 | <0.100 | <0.025 |
| RC 2 | 10/28/2019 | 11.4 | 7.55 | 9.42 | 14.9 | 3.4 | <0.250 | 0.132 | 0.197 | <0.025 |
| RC 2 | 3/31/2020 | 84.5 | 7.90 | 9.10 | 15.7 | 90.0 | 0.574 | 0.190 | 0.118 | 0.0290 |
| RC 2 | 6/10/2020 | 20.5 | 7.87 | 6.37 | 25.6 | 10.8 | 0.330 | 0.210 | <0.100 | <0.030 |
| RC 2 | 9/21/2020 | NS | 7.24 | 7.03 | 19.6 | 5.2 | <0.250 | <0.100 | <0.100 | <0.030 |
| RC 2 | 12/17/2020 | 28.1 | 7.91 | 11.23 | 8.9 | 5.4 | 0.396 | 0.218 | <0.100 | <0.030 |
| RC 2 | 3/18/2021 | 67.5 | 7.90 | 8.68 | 16.7 | 26.8 | 0.611 | 0.145 | <0.100 | <0.030 |
| RC 2 | 5/5/2021 | 2.8 | 7.31 | 8.95 | 19.1 | 15.6 | 0.892 | 7.91 | <0.100 | <0.030 |
| RC 2 | 9/2/2021 | EF | EF | 6.52 | 25.0 | 3.4 | 0.802 | 0.122 | <0.100 | <0.030 |
| RC 2 | 11/23/2021 | 3.5 | 7.66 | 8.33 | 12.2 | 19.2 | 0.340 | 0.124 | <0.100 | <0.0300 |
| RC 2 | 1/10/2022 | 32.1 | 7.27 | 11.50 | 8.4 | 9.0 | 0.501 | 0.185 | <0.100 | <0.0300 |
| RC 2 | 4/7/2022 | 10.96 | 7.41 | 9.02 | 17.5 | 5.0 | 0.386 | 0.186 | 0.144 | <0.0300 |
| RC 2 | 8/3/2022 | 15.1 | 8.26 | 7.41 | 27.1 | 13.8 | 0.352 | 0.175 | <0.100 | <0.0300 |
| RC 2 | 11/16/2022 | 19.4 | 7.35 | 8.84 | 11.2 | 13.4 | 0.434 | 0.126 | <0.100 | <0.0300 |
| RC 2 | 2/13/2023 | 20.0 | 7.12 | 11.58 | 10.9 | 5.3 | 0.636 | 0.273 | <0.100 | <0.0300 |
| RC 2 | 5/24/2023 | 16.0 | 7.56 | 8.31 | 20.5 | 22.8 | 0.542 | 0.142 | 0.0469 | <0.0140 |
| RC 2 | 8/7/2023 | 5.75 | 7.80 | 6.55 | 28.2 | 6.20 | 0.676 | <0.100 | 0.0662 | <0.0300 |
| RC 2 | 12/12/2023 | 21.62 | 7.58 | 7.25 | 8.9 | 6.60 | 0.634 | 0.166 | 0.0448 | <0.0140 |

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 1/10/2024 | 32.58 | 7.56 | 8.81 | 8.3 | 15.2 | 0.816 | 0.511 | 0.0428 | 0.0150 |
| RC 2 | 5/20/2024 | 17.18 | 6.19 | 6.19 | 23.2 | 11.7 | 0.424 | 0.142 | 0.0687 | 0.0160 |
| RC 2 | 9/16/2024 | 6.70 | 7.43 | 3.73 | 24.8 | 6.13 | 0.502 | <0.0500 | 0.106 | 0.0240 |
| RC 2 | 12/11/2024 | 42.79 | 7.50 | 6.73 | 12.3 | 18.2 | 0.559 | 0.248 | 0.0826 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.6 - HISTORICAL ANALYTICAL DATA - SME 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 7 | 12/17/2020 | 16.8 | 8.10 | 11.01 | 11.5 | 19.4 | 0.541 | 0.884 | <0.100 | 0.094 |
| SME 7 | 3/18/2021 | 111.0 | 8.93 | 10.25 | 18.3 | 78.2 | 0.407 | 0.429 | 0.270 | 0.093 |
| SME 7 | 5/5/2021 | 8.2 | 6.06 | 8.01 | 18.4 | 36.4 | 1.240 | 1.090 | 0.244 | 0.112 |
| SME 7 | 9/2/2021 | EF | EF | 7.91 | 22.6 | 77.6 | 2.490 | 0.491 | 0.275 | 0.179 |
| SME 7 | 11/23/2021 | <1.0 | 7.78 | 10.45 | 12.2 | <2.50 | <0.250 | 0.367 | 0.516 | 0.472 |
| SME 7 | 1/10/2022 | 19.2 | 7.97 | 10.98 | 11.9 | 34.7 | 0.805 | 0.823 | 0.211 | 0.140 |
| SME 7 | 4/7/2022 | EF | 7.10 | 9.27 | 18.0 | 37.2 | 1.37 | 0.549 | 0.264 | <0.0300 |
| SME 7 | 8/3/2022 | 24.8 | 8.32 | 7.69 | 24.6 | 31.0 | 0.844 | 0.742 | 0.373 | 0.314 |
| SME 7 | 11/16/2022 | 4.9 | 7.87 | 10.30 | 11.1 | 3.8 | <0.250 | 0.424 | 0.528 | 0.490 |
| SME 7 | 2/13/2023 | 34.3 | 7.12 | 11.11 | 11.4 | 36.2 | 1.01 | 0.737 | 0.115 | <0.0300 |
| SME 7 | 5/24/2023 | 38.5 | 7.92 | 8.86 | 18.6 | 21.0 | 0.474 | 0.749 | 0.206 | 0.143 |
| SME 7 | 8/7/2023 | 11.40 | 7.93 | 8.93 | 25.8 | 12.3 | 0.393 | 0.916 | 0.469 | 0.403 |
| SME 7 | 12/12/2023 | 23.45 | 8.01 | 8.85 | 9.6 | 6.80 | 0.262 | 0.584 | 0.748 | 0.705 |
| SME 7 | 1/10/2024 | 194.24 | 7.45 | 8.84 | 9.1 | 183 | 0.548 | 0.729 | 0.470 | 0.320 |
| SME 7 | 5/20/2024 | 10.34 | 7.74 | 8.34 | 21.8 | 13.5 | <0.250 | 0.821 | 0.206 | 0.162 |
| SME 7 | 9/16/2024 | 7.40 | 8.26 | 8.03 | 21.9 | 14.1 | 0.403 | 1.58 | 0.678 | 0.577 |
| SME 7 | 12/11/2024 | 9.52 | 7.44 | 7.54 | 11.1 | 8.78 | 0.293 | 1.06 | 0.538 | 0.788 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.7 - HISTORICAL ANALYTICAL DATA - SME 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 9 | 4/7/2022 | 5.17 | 7.78 | 9.32 | 17.0 | 2.90 | 0.529 | <0.100 | 0.135 | <0.0300 |
| SME 9 | 8/3/2022 | 9.20 | 8.10 | 7.97 | 25.4 | <2.50 | 0.582 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 11/16/2022 | 2.90 | 7.50 | 9.86 | 12.2 | <2.50 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 2/13/2023 | 10.3 | 7.43 | 11.93 | 10.2 | 2.60 | 0.783 | <0.100 | <0.100 | 0.0900 |
| SME 9 | 5/24/2023 | 16.3 | 8.07 | 11.59 | 21.0 | 59.0 | 0.660 | <0.0500 | <0.0350 | <0.0140 |
| SME 9 | 8/7/2023 | 10.4 | 7.10 | 7.41 | 24.6 | 5.60 | 1.360 | <0.100 | 0.087 | <0.0300 |
| SME 9 | 12/12/2023 | 8.1 | 7.57 | 7.44 | 8.9 | <2.50 | 0.345 | <0.0500 | 0.019 | <0.0140 |
| SME 9 | 1/10/2024 | 15.7 | 7.33 | 8.58 | 8.9 | 4.70 | 1.870 | 0.152 | 0.039 | 0.0160 |
| SME 9 | 5/20/2024 | 1.3 | 7.60 | 6.65 | 23.1 | 2.80 | <0.250 | 0.090 | 0.069 | <0.0300 |
| SME 9 | 9/16/2024 | 1.60 | 7.65 | 6.20 | 24.2 | <5.00 | 0.580 | <0.0500 | 0.115 | <0.0140 |
| SME 9 | 12/11/2024 | 10.22 | 7.38 | 7.02 | 11.5 | 6.49 | 0.454 | 0.123 | 0.0221 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.8 - HISTORICAL ANALYTICAL DATA - SME 10
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 10 | 4/7/2022 | 4.94 | 7.82 | 9.16 | 18.0 | 2.800 | 0.477 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 8/3/2022 | 10.3 | 8.08 | 6.35 | 25.5 | 4.1 | 0.9400 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 11/16/2022 | 9.80 | 7.18 | 8.03 | 12.2 | 4.6 | 0.5160 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 2/13/2023 | 19.1 | 7.32 | 11.34 | 9.7 | 4.000 | 0.773 | 0.185 | <0.100 | <0.0300 |
| SME 10 | 5/24/2023 | 13.4 | 7.42 | 7.50 | 15.5 | 15.0 | 0.349 | 0.143 | 0.0371 | <0.0140 |
| SME 10 | 8/7/2023 | 13.32 | 7.59 | 6.69 | 25.8 | 4.40 | 0.903 | <0.100 | 0.0918 | <0.0300 |
| SME 10 | 12/12/2023 | 18.09 | 7.57 | 5.63 | 10.5 | 10.6 | 0.633 | <0.0500 | 0.0471 | <0.0140 |
| SME 10 | 1/10/2024 | 20.90 | 7.68 | 8.60 | 9.1 | 7.30 | 0.468 | 0.433 | <0.0350 | 0.0170 |
| SME 10 | 5/20/2024 | 8.54 | 7.16 | 5.44 | 23.6 | 10.00 | 0.326 | 0.132 | 0.1120 | <0.0300 |
| SME 10 | 9/16/2024 | 5.50 | 7.13 | 5.26 | 24.8 | <10.0 | 1.38 | 0.212 | 0.106 | 0.0180 |
| SME 10 | 12/11/2024 | 25.53 | 7.40 | 6.89 | 12.6 | 7.40 | 0.698 | 0.163 | 0.0593 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 3/12/2013 | 8 | 7.04 | 9.85 | 11.45 | 4.7 | 0.78 | 0.34 | <0.10 | 0.032 |
| SS 13 | 5/8/2013 | 10 | 6.68 | 2.94 | 18.75 | 5.7 | 0.72 | 0.36 | <0.10 | <0.050 |
| SS 13 | 9/23/2013 | 12 | 7.04 | 3.38 | 25.31 | 9.6 | 0.84 | <0.10 | <0.10 | 0.028 |
| SS 13 | 12/10/2013 | 12.2 | 6.14 | 10.93 | 8.99 | 5.6 | 0.67 | 0.33 | 0.12 | 0.077 |
| SS 13 | 2/6/2014 | 7.2 | 4.26 | 17.50 | 5.14 | 4.1 | 0.44 | 0.42 | <0.100 | <0.025 |
| SS 13 | 6/26/2014 | 23.2 | 8.33 | 8.09 | 28.44 | 5.4 | 0.52 | <0.100 | 0.12 | <0.025 |
| SS 13 | 9/30/2014 | 12.4 | 7.41 | 4.26 | 24.77 | 12.0 | 0.44 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2014 | 13.4 | 6.31 | 6.08 | 6.44 | 4.8 | 0.40 | 0.22 | <0.100 | 0.044 |
| SS 13 | 3/23/2015 | 15.9 | 7.33 | 8.57 | 15.4 | 7.6 | 0.71 | 0.22 | <0.100 | 0.029 |
| SS 13 | 4/22/2015 | 15.3 | 6.60 | 8.93 | 20.8 | 10.0 | 0.67 | 0.32 | <0.100 | <0.025 |
| SS 13 | 9/30/2015 | 9.5 | 7.33 | 11.54 | 25.95 | 9.0 | 0.52 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2015 | 35.8 | 7.07 | 18.48 | 15.31 | 4.8 | 0.97 | 0.242 | 0.181 | <0.025 |
| SS 13 | 3/15/2016 | 9.1 | 6.61 | 12.42 | 17.37 | 4.7 | <0.25 | 0.323 | <0.100 | <0.025 |
| SS 13 | 6/29/2016 | 9.7 | 7.86 | 6.15 | 30.6 | 9.8 | 0.53 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/9/2016 | 20.3 | 7.77 | 5.92 | 29.1 | 24.0 | 0.73 | <0.100 | <0.100 | <0.025 |
| SS 13 | 12/7/2016 | 4.8 | 7.39 | 6.97 | 12.5 | 3.6 | 0.45 | 0.108 | <0.100 | <0.025 |
| SS 13 | 3/2/2017 | 12.0 | 6.64 | 7.19 | 13.4 | 4.6 | 0.75 | 0.249 | <0.100 | <0.025 |
| SS 13 | 6/21/2017 | 8.7 | 7.54 | 5.82 | 26.1 | 12.8 | 0.82 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/17/2017 | 9.3 | 7.93 | 6.54 | 30.9 | 18.6 | 0.81 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/26/2017 | 5.2 | 6.70 | 7.41 | 15.4 | 7.2 | 0.60 | 0.122 | <0.100 | <0.025 |
| SS 13 | 3/27/2018 | 6.4 | 8.19 | 8.23 | 12.4 | 16.2 | <0.25 | 0.495 | <0.100 | <0.025 |
| SS 13 | 6/26/2018 | 6.8 | 7.36 | 5.67 | 29.5 | 10.2 | 0.998 | <0.100 | 0.140 | <0.025 |

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 8/1/2018 | 24.2 | 6.75 | 6.86 | 21.9 | 20.2 | 1.180 | 0.226 | 0.308 | 0.206 |
| SS 13 | 12/11/2018 | 8.2 | 7.37 | 10.79 | 7.4 | 8.6 | 0.655 | 0.451 | <0.100 | <0.025 |
| SS 13 | 4/17/2019 | 6.4 | 7.42 | 9.23 | 19.1 | 6.8 | 0.624 | <0.100 | <0.100 | <0.025 |
| SS 13 | 6/11/2019 | 8.9 | 6.59 | 3.12 | 23.4 | <6.25 | 0.929 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/28/2019 | 6.7 | 7.93 | 7.33 | 29.7 | 24.4 | 1.170 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/28/2019 | 12.3 | 6.25 | 3.61 | 16.0 | 3.7 | 0.739 | 0.211 | <0.100 | 0.031 |
| SS 13 | 3/31/2020 | 60.4 | 6.95 | 8.64 | 14.9 | 92.0 | 0.928 | 0.233 | 0.147 | 0.0580 |
| SS 13 | 6/10/2020 | 10.1 | 7.27 | 7.08 | 28.2 | 21.2 | 0.492 | <0.100 | <0.100 | <0.030 |
| SS 13 | 9/21/2020 | NS | 7.36 | 6.58 | 21.9 | 7.8 | <0.250 | <0.100 | 0.200 | <0.030 |
| SS 13 | 12/17/2020 | 12.3 | 8.04 | 10.83 | 8.3 | 5.3 | 0.432 | 0.405 | <0.100 | <0.030 |
| SS 13 | 3/18/2021 | 26.8 | 7.61 | 9.23 | 16.9 | 16.5 | 0.926 | 0.163 | <0.100 | <0.030 |
| SS 13 | 5/5/2021 | 0.5 | 7.77 | 8.13 | 18.2 | 10.5 | 1.41 | 7.64 | 0.160 | 0.0960 |
| SS 13 | 9/2/2021 | EF | EF | 8.50 | 28.7 | 13.4 | 1.33 | 0.189 | 0.108 | <0.030 |
| SS 13 | 11/23/2021 | <1.0 | 7.11 | 8.26 | 14.8 | 5.3 | 0.331 | 0.16 | <0.100 | <0.0300 |
| SS 13 | 1/10/2022 | 9.1 | 7.71 | 11.23 | 8.8 | 7.0 | 0.725 | 0.295 | <0.100 | <0.0300 |
| SS 13 | 4/7/2022 | 6.7 | 7.40 | 8.72 | 18.2 | 5.3 | 0.886 | 0.304 | <0.100 | <0.0300 |
| SS 13 | 8/3/2022 | 14.2 | 7.92 | 7.03 | 31.4 | 44.4 | 1.650 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 11/16/2022 | 4.4 | 7.06 | 9.81 | 13.1 | 5.5 | 0.263 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 2/13/2023 | 10.6 | 6.45 | 11.05 | 10.9 | 2.5 | 1.000 | 0.459 | <0.100 | <0.0300 |
| SS 13 | 5/24/2023 | 5.2 | 7.28 | 8.44 | 21.7 | 3.73 | 0.903 | 0.358 | 0.0655 | <0.0140 |
| SS 13 | 8/7/2023 | 4.90 | 7.85 | 9.14 | 31.2 | 4.00 | 0.825 | <0.100 | 0.111 | <0.0300 |
| SS 13 | 12/12/2023 | 14.46 | 7.62 | 8.32 | 12.3 | 5.50 | 0.744 | 0.0980 | 0.0822 | <0.0140 |

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 1/10/2024 | 14.16 | 7.33 | 8.43 | 9.2 | 6.71 | 1.72 | 0.426 | 0.0934 | 0.0570 |
| SS 13 | 5/20/2024 | 9.83 | 7.30 | 8.03 | 28.3 | 32.70 | 0.51 | <0.100 | 0.1560 | 0.0320 |
| SS 13 | 9/16/2024 | 9.00 | 7.58 | 8.15 | 26.7 | 14.8 | 0.877 | <0.0500 | 0.129 | <0.0140 |
| SS 13 | 12/11/2024 | 10.61 | 7.47 | 6.57 | 12.2 | 7.45 | 1.25 | 0.322 | 0.159 | 0.0840 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 3/12/2013 | 9.7 | 7.40 | 11.23 | 10.93 | 4.7 | 0.77 | 0.40 | 0.11 | 0.087 |
| SS 14 | 5/8/2013 | 10.3 | 6.47 | 2.75 | 16.42 | 5.0 | 0.53 | 0.45 | <0.100 | 0.041 |
| SS 14 | 9/23/2013 | 3.1 | 6.76 | 6.49 | 21.77 | <2.5 | 0.45 | 0.38 | <0.100 | 0.036 |
| SS 14 | 12/10/2013 | 17.6 | 5.63 | 11.33 | 8.56 | 9.2 | 0.66 | 0.28 | 0.19 | 0.160 |
| SS 14 | 2/6/2014 | 12.4 | 4.19 | 17.56 | 5.16 | 14.0 | 0.50 | 0.62 | <0.100 | 0.074 |
| SS 14 | 6/26/2014 | 7.9 | 8.18 | 7.58 | 24.14 | <2.5 | 0.89 | 0.67 | 0.16 | 0.080 |
| SS 14 | 9/30/2014 | 7.9 | 7.42 | 3.67 | 22.35 | 6.1 | 0.52 | <0.100 | <0.100 | 0.031 |
| SS 14 | 11/19/2014 | 16.0 | 6.27 | 7.50 | 5.48 | 9.2 | 0.46 | 0.75 | 0.22 | 0.075 |
| SS 14 | 3/23/2015 | 21.3 | 7.75 | 9.53 | 16.5 | 11.0 | 1.10 | 0.27 | 0.14 | 0.110 |
| SS 14 | 4/22/2015 | 12.3 | 7.43 | 12.29 | 17.5 | 6.3 | 0.58 | 0.620 | <0.100 | <0.025 |
| SS 14 | 9/30/2015 | 7.3 | 7.16 | 12.79 | 24.02 | 6.6 | 0.514 | <0.10 | 0.176 | 0.088 |
| SS 14 | 11/19/2015 | 27.0 | 6.49 | 20.71 | 15.16 | 23.3 | 0.996 | 0.442 | 0.183 | 0.131 |
| SS 14 | 3/15/2016 | 11.3 | 7.18 | 12.11 | 16.01 | 8.1 | 0.834 | 0.50 | <0.100 | 0.056 |
| SS 14 | 6/29/2016 | 6.0 | 7.62 | 3.61 | 27.2 | 6.0 | 0.650 | <0.100 | 0.160 | 0.103 |
| SS 14 | 8/9/2016 | 22.3 | 7.71 | 5.99 | 26.9 | 12.7 | 0.871 | 0.164 | 0.119 | 0.062 |
| SS 14 | 12/7/2016 | 7.6 | 7.27 | 7.72 | 11.9 | <2.5 | 0.705 | 0.885 | 0.147 | 0.078 |
| SS 14 | 3/2/2017 | 12.6 | 7.60 | 8.76 | 12.2 | 9.2 | 0.842 | 0.475 | 0.153 | 0.092 |
| SS 14 | 6/21/2017 | 21.5 | 7.74 | 6.24 | 23.7 | 63.7 | 0.725 | 0.249 | 0.109 | 0.030 |
| SS 14 | 8/17/2017 | 6.0 | 8.12 | 7.11 | 31.4 | 24.8 | 0.827 | 0.118 | <0.100 | 0.070 |
| SS 14 | 10/26/2017 | 4.3 | 7.39 | 7.66 | 13.9 | 3.6 | 0.582 | 0.699 | <0.100 | 0.054 |
| SS 14 | 3/27/2018 | 8.8 | 7.34 | 8.96 | 11.9 | 8.2 | <0.25 | 0.673 | 0.148 | 0.044 |
| SS 14 | 6/26/2018 | 7.7 | 8.47 | 10.65 | 29.3 | 18.7 | 1.010 | 0.206 | 0.148 | 0.044 |

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 8/1/2018 | 42.9 | 6.35 | 7.04 | 22.5 | 60.0 | 0.885 | 0.109 | 0.276 | 0.233 |
| SS 14 | 12/11/2018 | 8.4 | 6.95 | 11.53 | 7.4 | 4.3 | 0.635 | 0.812 | 0.117 | 0.057 |
| SS 14 | 4/17/2019 | 6.6 | 7.60 | 8.28 | 22.1 | 6.7 | 0.414 | 0.598 | <0.100 | 0.042 |
| SS 14 | 6/11/2019 | 12.6 | 6.78 | 3.47 | 23.8 | 5.9 | 0.928 | 0.444 | <0.100 | 0.077 |
| SS 14 | 8/28/2019 | 8.1 | 7.96 | 8.18 | 27.9 | 8.5 | 1.050 | <0.100 | 0.174 | <0.025 |
| SS 14 | 10/28/2019 | 10.9 | 6.97 | 7.83 | 15.1 | 2.7 | 0.381 | 0.458 | 0.167 | 0.048 |
| SS 14 | 3/31/2020 | 62.4 | 6.67 | 9.31 | 15.2 | 145 | 0.934 | 0.190 | 0.348 | 0.235 |
| SS 14 | 6/10/2020 | 17.0 | 7.32 | 7.20 | 29.1 | 40.4 | 0.897 | 0.246 | 0.128 | 0.078 |
| SS 14 | 9/21/2020 | NS | 7.62 | 7.59 | 20.7 | 8.4 | 0.281 | 0.345 | <0.100 | 0.075 |
| SS 14 | 12/17/2020 | 11.4 | 7.94 | 11.72 | 8.6 | 5.4 | 0.540 | 0.546 | <0.100 | 0.050 |
| SS 14 | 3/18/2021 | 31.4 | 7.73 | 9.77 | 16.8 | 19.8 | 0.670 | 0.189 | <0.100 | 0.048 |
| SS 14 | 5/5/2021 | 1.2 | 6.98 | 8.62 | 19.4 | 6.27 | 1.06 | 7.85 | <0.100 | 0.073 |
| SS 14 | 9/2/2021 | EF | EF | 7.80 | 26.3 | 3.0 | 0.935 | 0.552 | 0.128 | 0.980 |
| SS 14 | 11/23/2021 | <1.0 | 7.46 | 10.28 | 12.7 | 2.6 | 0.370 | 0.315 | 0.178 | 0.108 |
| SS 14 | 1/10/2022 | 9.8 | 7.12 | 11.84 | 8.8 | 4.4 | 0.674 | 0.385 | 0.136 | 0.068 |
| SS 14 | 4/7/2022 | 4.4 | 6.82 | 9.83 | 17.8 | 2.9 | 0.566 | 0.402 | <0.100 | 0.033 |
| SS 14 | 8/3/2022 | 10.0 | 8.03 | 7.77 | 30.2 | 6.5 | 0.723 | 0.176 | 0.123 | <0.0300 |
| SS 14 | 11/16/2022 | 4.3 | 7.37 | 9.76 | 10.8 | 2.5 | 0.406 | <0.100 | <0.100 | 0.039 |
| SS 14 | 2/13/2023 | 12.0 | 6.82 | 11.64 | 10.8 | 4.3 | 0.749 | 0.501 | <0.100 | 0.052 |
| SS 14 | 5/24/2023 | 4.6 | 7.65 | 9.57 | 21.3 | 4.40 | 0.506 | 0.528 | 0.102 | 0.0440 |
| SS 14 | 8/7/2023 | 6.56 | 8.02 | 10.73 | 31.6 | 8.20 | 0.903 | <0.100 | 0.124 | 0.032 |
| SS 14 | 12/12/2023 | 10.06 | 7.66 | 8.00 | 8.1 | <2.50 | 0.573 | 0.352 | 0.0890 | 0.0410 |

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 1/10/2024 | 25.10 | 7.40 | 8.91 | 9.0 | 9.60 | 1.08 | 0.693 | 0.117 | 0.0870 |
| SS 14 | 5/20/2024 | 10.78 | 7.80 | 10.12 | 26.7 | 7.67 | 0.49 | 0.213 | 0.121 | 0.0210 |
| SS 14 | 9/16/2024 | 5.20 | 8.03 | 7.89 | 25.0 | 10.0 | 1.33 | 0.0955 | 0.201 | 0.0330 |
| SS 14 | 12/11/2024 | 24.68 | 7.56 | 7.28 | 11.3 | 9.86 | 0.696 | 0.496 | 0.222 | 0.155 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 3/13/2013 | 11.6 | 8.33 | 9.29 | 10.20 | 9.6 | 0.34 | 0.26 | <0.10 | <0.025 |
| GD 5 | 5/20/2013 | 14.0 | 8.28 | 7.76 | 22.60 | 9.0 | 0.62 | <0.100 | <0.10 | <0.025 |
| GD 5 | 9/23/2013 | 11.5 | 7.67 | 6.78 | 27.10 | 8.0 | 0.45 | <0.100 | <0.10 | 0.027 |
| GD 5 | 12/10/2013 | 57.9 | 7.97 | 9.10 | 9.10 | 18.0 | 0.47 | 0.10 | 0.10 | 0.088 |
| GD 5 | 2/6/2014 | 45.9 | 7.14 | 9.88 | 7.20 | 17.0 | 0.37 | 0.17 | <0.100 | 0.038 |
| GD 5 | 6/26/2014 | 17.0 | 7.90 | 6.54 | NS | 12.0 | 0.34 | <0.100 | <0.100 | <0.025 |
| GD 5 | 9/30/2014 | 22.5 | 8.28 | 7.53 | 25.22 | 18.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| GD 5 | 11/19/2014 | 42.9 | 8.15 | 9.30 | 9.40 | 26.0 | 0.43 | 0.11 | <0.100 | 0.051 |
| GD 5 | 3/23/2015 | 24.0 | 8.14 | 8.58 | 15.90 | 15.0 | 0.34 | 0.12 | <0.100 | <0.025 |
| GD 5 | 4/22/2015 | 25.0 | 7.81 | 7.78 | 21.70 | 13.0 | 0.65 | 0.14 | <0.100 | <0.025 |
| GD 5 | 9/30/2015 | 18.0 | 8.03 | 6.27 | 26.30 | 17.3 | 0.557 | <0.100 | 0.115 | <0.025 |
| GD 5 | 11/19/2015 | 90.0 | 7.63 | 7.34 | 16.60 | 42.8 | <0.250 | 0.168 | <0.100 | 0.042 |
| GD 5 | 3/15/2016 | 23.7 | 8.80 | 7.47 | 19.40 | 13.2 | 0.435 | <0.100 | <0.100 | <0.025 |
| GD 5 | 6/29/2016 | 21.0 | 8.02 | 2.27 | 30.37 | 15.0 | 0.490 | <0.100 | <0.100 | 0.074 |
| GD 5 | 8/9/2016 | 11.8 | 8.25 | 5.55 | 30.20 | 11.0 | 0.412 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/7/2016 | 10.0 | 7.73 | 10.61 | 11.96 | 6.8 | 0.337 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/2/2017 | 12.3 | 7.81 | 4.49 | 14.26 | 13.0 | 0.491 | 0.118 | <0.100 | <0.025 |
| GD 5 | 7/5/2017 | 15.0 | 7.32 | 5.83 | 26.9 | 22.7 | 0.730 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/16/2017 | 8.0 | 7.89 | 6.22 | 28.0 | 9.0 | 0.404 | <0.100 | <0.100 | <0.025 |
| GD 5 | 10/25/2017 | 9.2 | 7.36 | 7.35 | 18.7 | 14.6 | 0.347 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/28/2018 | 6.1 | 8.18 | 9.47 | 18.5 | 6.06 | <0.250 | 0.127 | <0.100 | <0.025 |
| GD 5 | 6/29/2018 | 16.3 | 7.76 | 5.66 | 27.5 | 19.60 | 0.689 | <0.100 | <0.100 | <0.025 |

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 8/2/2018 | 18.4 | 7.59 | 6.02 | 25.7 | 26.40 | 0.332 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/10/2018 | 37.7 | 7.87 | 11.30 | 7.3 | 22.3 | 0.523 | <0.100 | 0.190 | <0.025 |
| GD 5 | 4/15/2019 | 29.7 | 7.69 | 8.02 | 19.3 | 29.0 | 0.411 | 0.128 | 1.20 | <0.025 |
| GD 5 | 6/12/2019 | 6.0 | 8.02 | 7.64 | 27.2 | 9.3 | <0.250 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/27/2019 | 75.2 | 7.15 | 7.98 | 28.7 | 10.9 | 0.506 | <0.100 | 0.165 | <0.025 |
| GD 5 | 10/29/2019 | 29.0 | 7.85 | 9.42 | 17.8 | 21.0 | 0.477 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/30/2020 | 14.5 | 7.65 | 8.86 | 19.1 | 12.1 | 0.320 | 0.130 | <0.100 | <0.025 |
| GD 5 | 6/16/2020 | 16.4 | 7.69 | 7.75 | 27.2 | 7.4 | 0.561 | <0.100 | <0.100 | <0.030 |
| GD 5 | 9/21/2020 | 10.8 | 7.65 | 6.33 | 23.2 | 7.9 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 5 | 12/17/2020 | 28.7 | 7.62 | 9.96 | 9.7 | 19.8 | 0.422 | 0.122 | 0.113 | <0.030 |
| GD 5 | 3/18/2021 | 3.4 | 7.15 | 8.98 | 16.9 | 30.6 | 0.600 | 0.127 | <0.100 | <0.030 |
| GD 5 | 5/5/2021 | 36.10 | 7.84 | 7.74 | 19.8 | 36.8 | <0.250 | 0.204 | <0.100 | <0.030 |
| GD 5 | 9/2/2021 | 10.28 | 7.84 | 6.90 | 26.5 | 16.1 | 0.510 | <0.100 | <0.100 | <0.030 |
| GD 5 | 11/23/2021 | 27.7 | 7.70 | 10.54 | 11.3 | 8.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 1/11/2022 | 26.8 | 7.28 | 12.25 | 10.1 | 12.1 | 0.510 | 0.300 | <0.10 | <0.0300 |
| GD 5 | 4/7/2022 | 16.4 | 7.72 | 9.32 | 17.2 | 14.4 | 0.300 | 0.157 | <0.100 | <0.0300 |
| GD 5 | 8/2/2022 | 13.0 | 7.86 | 6.60 | 29.1 | 6.4 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 11/16/2022 | 7.0 | 7.75 | 9.56 | 13.4 | 8.7 | 0.312 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 2/14/2023 | 18.8 | 7.18 | 10.85 | 11.4 | 11.5 | 0.606 | 0.255 | <0.100 | <0.0300 |
| GD 5 | 5/25/2023 | 5.1 | 8.15 | 9.33 | 24.3 | 10.0 | 0.528 | 0.0534 | 0.0462 | 0.0250 |
| GD 5 | 8/7/2023 | 3.0 | 7.36 | 6.27 | 29.5 | 7.54 | 0.499 | <0.100 | 0.103 | <0.0300 |
| GD 5 | 12/12/2023 | 13.5 | 7.32 | 8.45 | 10.3 | 11.3 | 0.468 | 0.0820 | <0.0350 | <0.0140 |

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 1/10/2024 | 53.3 | 7.32 | 8.56 | 8.4 | 32.0 | 0.424 | 0.118 | 0.0681 | 0.0450 |
| GD 5 | 5/21/2024 | 11.0 | 7.75 | 9.12 | 24.8 | 8.9 | 0.443 | 0.131 | 0.0614 | <0.0300 |
| GD 5 | 9/16/2024 | 8.16 | 7.77 | 6.99 | 25.9 | 12.4 | 0.750 | <0.0500 | 0.0600 | <0.0140 |
| GD 5 | 12/11/2024 | 21.8 | 7.88 | 9.94 | 10.4 | 20.3 | 0.285 | 0.139 | 0.0823 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 3/12/2013 | 33.3 | 7.54 | 9.48 | 13.90 | 49.0 | 0.83 | 0.19 | <0.100 | 0.081 |
| HB 3 | 5/20/2013 | 14.5 | 8.21 | 6.82 | 27.80 | 17.0 | 0.60 | 0.17 | <0.100 | <0.025 |
| HB 3 | 9/23/2013 | 21.3 | 8.02 | 4.89 | 25.70 | 19.0 | 0.60 | <0.100 | <0.100 | 0.037 |
| HB 3 | 12/10/2013 | 48.4 | 7.90 | 8.65 | 10.10 | 20.0 | 0.62 | <0.100 | 0.15 | 0.140 |
| HB 3 | 2/6/2014 | 32.0 | 7.22 | 12.24 | 5.90 | 13.0 | 0.37 | 0.48 | <0.100 | 0.030 |
| HB 3 | 6/26/2014 | 12.0 | 8.20 | 7.12 | NS | 12.0 | 0.37 | <0.100 | <0.100 | <0.025 |
| HB 3 | 9/30/2014 | 29.5 | 8.05 | 6.01 | 24.78 | 30.0 | 0.48 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2014 | 56.1 | 7.85 | 8.83 | 8.80 | 51.0 | 0.44 | 0.11 | 0.12 | 0.098 |
| HB 3 | 3/23/2015 | 27.0 | 8.21 | 8.40 | 24.20 | 35.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| HB 3 | 4/22/2015 | 25.0 | 7.91 | 8.36 | 21.90 | 22.0 | 0.66 | 0.20 | <0.100 | <0.025 |
| HB 3 | 9/30/2015 | 22.0 | 7.89 | 5.05 | 25.70 | 23.0 | 0.91 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2015 | 32.0 | 7.83 | 7.37 | 17.40 | 30.2 | <0.25 | 0.377 | <0.100 | 0.045 |
| HB 3 | 3/15/2016 | 28.8 | 8.52 | 7.97 | 19.10 | 23.8 | <0.25 | 0.295 | <0.100 | 0.087 |
| HB 3 | 6/29/2016 | 17.3 | 8.02 | 2.77 | 30.61 | 20.9 | 0.51 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/9/2016 | 11.3 | 7.91 | 4.31 | 30.19 | 14.3 | 0.703 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/7/2016 | 16.0 | 7.93 | 8.44 | 12.81 | 17.0 | 0.730 | 0.111 | 0.126 | <0.025 |
| HB 3 | 3/2/2017 | 50.0 | 7.75 | 3.90 | 14.33 | 57.1 | 0.969 | 0.334 | 0.115 | <0.025 |
| HB 3 | 7/5/2017 | 23.1 | 7.29 | 5.36 | 27.00 | 28.5 | 0.812 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/16/2017 | 13.7 | 7.35 | 5.04 | 27.00 | 12.7 | 0.763 | <0.100 | <0.100 | <0.025 |
| HB 3 | 10/25/2017 | 11.7 | 6.64 | 9.93 | 18.5 | 20.4 | 0.322 | <0.100 | <0.100 | <0.025 |
| HB 3 | 3/28/2018 | 13.2 | 7.99 | 9.47 | 17.6 | 20.2 | <0.25 | 0.359 | <0.100 | <0.025 |
| HB 3 | 6/29/2018 | 14.6 | 7.67 | 5.55 | 26.0 | 18.2 | 0.464 | <0.100 | <0.100 | <0.025 |

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 8/2/2018 | 28.3 | 7.40 | 5.64 | 25.1 | 35.3 | 0.952 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/10/2018 | 24.8 | 7.55 | 10.98 | 7.9 | 27.6 | 0.426 | 0.363 | 0.141 | <0.025 |
| HB 3 | 4/15/2019 | 22.4 | 7.73 | 8.27 | 19.6 | 35.5 | <0.250 | 0.233 | <0.100 | <0.025 |
| HB 3 | 6/12/2019 | 12.4 | 8.13 | 6.77 | 26.6 | 52.3 | <0.250 | 0.129 | <0.100 | <0.025 |
| HB 3 | 8/27/2019 | 78.1 | 8.21 | 8.75 | 29.1 | 7.30 | 0.634 | <0.100 | 0.179 | <0.025 |
| HB 3 | 10/29/2019 | 28.2 | 7.82 | 9.88 | 18.3 | 17.6 | 0.517 | <0.100 | 0.166 | <0.025 |
| HB 3 | 3/30/2020 | 8.9 | 7.79 | 8.91 | 18.5 | 18.4 | 1.20 | 0.234 | <0.100 | <0.025 |
| HB 3 | 6/16/2020 | 20.4 | 7.33 | 7.01 | 26.3 | 14.6 | 0.30 | <0.100 | <0.100 | <0.030 |
| HB 3 | 9/21/2020 | 12.1 | 7.80 | 7.69 | 23.5 | 8.30 | 0.28 | <0.100 | <0.100 | <0.030 |
| HB 3 | 12/17/2020 | 31.16 | 8.07 | 9.94 | 9.1 | 20.4 | 0.588 | 0.195 | <0.100 | <0.030 |
| HB 3 | 3/18/2021 | 1.80 | 7.47 | 9.62 | 16.0 | 23.0 | 0.252 | 0.369 | <0.100 | <0.030 |
| HB 3 | 5/5/2021 | 28.31 | 7.50 | 7.71 | 22.0 | 35.1 | <0.250 | 0.207 | <0.100 | <0.030 |
| HB 3 | 9/2/2021 | 19.2 | 7.61 | 5.30 | 27.4 | 23.6 | 0.689 | <0.100 | <0.100 | <0.030 |
| HB 3 | 11/23/2021 | 51.55 | 7.15 | 10.59 | 11.2 | 10.5 | <0.250 | 0.137 | <0.100 | <0.0300 |
| HB 3 | 1/11/2022 | 26.9 | 7.75 | 11.26 | 12.8 | 23.6 | 0.550 | 0.200 | <0.10 | <0.0300 |
| HB 3 | 4/7/2022 | 27.8 | 7.61 | 9.40 | 18.1 | 21.0 | 0.329 | 0.268 | <0.100 | <0.0300 |
| HB 3 | 8/2/2022 | 31.2 | 8.05 | 5.89 | 28.9 | 33.7 | 0.273 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 11/16/2022 | 10.7 | 7.71 | 9.53 | 12.9 | 7.4 | 0.604 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 2/14/2023 | 15.0 | 7.25 | 11.10 | 11.7 | 11.6 | 0.471 | 0.414 | <0.100 | <0.0300 |
| HB 3 | 5/25/2023 | 14.0 | 7.92 | 8.75 | 24.1 | 21.7 | 0.502 | 0.0574 | 0.0588 | <0.0140 |
| HB 3 | 8/7/2023 | 10.9 | 7.49 | 6.16 | 29.3 | 6.80 | 0.578 | <0.100 | 0.0895 | <0.0300 |
| HB 3 | 12/12/2023 | 41.3 | 7.71 | 8.45 | 10.6 | 36.8 | 0.383 | 0.126 | 0.0444 | <0.0140 |

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 1/10/2024 | 30.5 | 7.74 | 9.14 | 8.5 | 31.7 | 0.305 | 0.354 | 0.0752 | 0.0250 |
| HB 3 | 5/21/2024 | 36.9 | 7.51 | 8.92 | 24.2 | 28.6 | 0.357 | 0.080 | 0.0557 | <0.0300 |
| HB 3 | 9/16/2024 | 9.59 | 7.63 | 7.12 | 25.1 | 12.2 | 0.637 | <0.0500 | 0.0711 | <0.0140 |
| HB 3 | 12/11/2024 | 15.2 | 8.02 | 10.61 | 10.1 | 30.0 | 0.352 | 0.202 | 0.452 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 3/12/2013 | 28.3 | 8.23 | 7.53 | 10.3 | 21.0 | 0.61 | <0.100 | <0.100 | 0.088 |
| RC 14 | 5/8/2013 | 29.5 | 6.72 | 1.78 | 21.4 | 16.0 | 0.63 | 0.14 | <0.100 | <0.12 |
| RC 14 | 9/23/2013 | 18.4 | 7.86 | 6.68 | 24.7 | 13.0 | 0.58 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/10/2013 | 40.0 | 8.45 | 9.50 | 8.2 | 16.0 | 0.69 | <0.100 | 0.11 | 0.100 |
| RC 14 | 2/6/2014 | 66.6 | 7.15 | 10.94 | 4.9 | 18.0 | 0.70 | 0.16 | 0.11 | 0.036 |
| RC 14 | 6/26/2014 | 6.2 | 8.21 | 6.30 | NS | 5.9 | 0.39 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/30/2014 | 12.4 | 7.20 | 6.20 | 23.5 | 12.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/19/2014 | 50.3 | 8.20 | 10.10 | 7.5 | 28.0 | 0.52 | <0.100 | 0.13 | 0.085 |
| RC 14 | 3/23/2015 | 70.0 | 8.03 | 7.80 | 18.2 | 34.0 | 1.10 | 0.26 | <0.100 | 0.070 |
| RC 14 | 4/22/2015 | 30.0 | 7.77 | 7.25 | 18.1 | 15.0 | 0.40 | 0.20 | <0.100 | <0.025 |
| RC 14 | 9/30/2015 | 17.0 | 8.28 | 5.63 | 24.4 | 12.6 | 0.454 | <0.100 | <0.100 | <0.025 |
| RC 14 | 11/19/2015 | 95.0 | 7.32 | 6.07 | 17.71 | 36.0 | 0.633 | 0.137 | 0.135 | <0.025 |
| RC 14 | 3/15/2016 | 85.0 | 8.13 | 7.73 | 18.5 | 69.6 | 0.434 | 0.106 | 0.304 | <0.025 |
| RC 14 | 6/29/2016 | 17.2 | 7.58 | 2.17 | 28.53 | 17.5 | 0.460 | <0.100 | <0.100 | 0.037 |
| RC 14 | 8/9/2016 | 10.4 | 7.05 | 2.35 | 28.53 | 8.5 | 0.547 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/7/2016 | 7.9 | 7.21 | 6.47 | 11.62 | 8.6 | 0.252 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/2/2017 | 18.0 | 7.32 | 3.55 | 12.69 | 14.6 | 0.608 | 0.12 | <0.100 | <0.025 |
| RC 14 | 7/5/2017 | 17.7 | 7.55 | 6.56 | 25.7 | 35.0 | 0.357 | 0.279 | <0.100 | 0.041 |
| RC 14 | 8/16/2017 | 9.8 | 7.72 | 5.54 | 26.7 | 12.4 | 0.400 | 0.21 | <0.100 | 0.042 |
| RC 14 | 10/25/2017 | 18.7 | 7.64 | 7.26 | 17.1 | 27.2 | 0.465 | 0.24 | 0.149 | 0.088 |
| RC 14 | 3/28/2018 | 9.9 | 8.03 | 9.00 | 18.3 | 10.9 | <0.25 | 0.148 | <0.100 | <0.025 |
| RC 14 | 6/29/2018 | 12.9 | 7.64 | 5.89 | 27.1 | 13.8 | 0.722 | <0.100 | <0.100 | <0.025 |

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 8/2/2018 | 21.7 | 7.30 | 5.56 | 23.7 | 17.3 | 0.848 | <0.100 | <0.100 | 0.055 |
| RC 14 | 12/10/2018 | 35.1 | 7.13 | 10.63 | 7.3 | 16.9 | 1.400 | <0.100 | 0.169 | 0.038 |
| RC 14 | 4/15/2019 | 45.8 | 7.68 | 7.67 | 19.5 | 36.0 | 0.403 | 0.108 | <0.100 | <0.025 |
| RC 14 | 6/12/2019 | 11.0 | 8.03 | 7.39 | 25.3 | 12.3 | 0.250 | 0.120 | <0.100 | <0.025 |
| RC 14 | 8/27/2019 | 76.4 | 8.36 | 8.78 | 28.4 | 8.8 | 0.391 | <0.100 | 0.141 | <0.025 |
| RC 14 | 10/29/2019 | 17.4 | 7.90 | 9.83 | 17.7 | 10.6 | 0.478 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/30/2020 | 12.9 | 8.10 | 10.01 | 21.9 | 15.7 | 0.451 | <0.100 | <0.100 | <0.025 |
| RC 14 | 6/16/2020 | 11.5 | 6.79 | 8.01 | 26.9 | 11.4 | 0.560 | 0.141 | <0.100 | <0.030 |
| RC 14 | 9/21/2020 | 13.7 | 7.49 | 9.65 | 21.9 | 8.2 | 0.307 | <0.100 | 0.202 | <0.030 |
| RC 14 | 12/17/2020 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 3/18/2021 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 5/5/2021 | 33.45 | 7.68 | 7.99 | 20.9 | 30.4 | 0.566 | <0.100 | <0.100 | <0.030 |
| RC 14 | 9/2/2021 | 16.75 | 7.87 | 7.11 | 25.7 | 23.2 | 0.350 | 0.210 | <0.100 | 0.040 |
| RC 14 | 11/23/2021 | 24.6 | 7.96 | 10.57 | 13.3 | 40.2 | <0.250 | <0.100 | 0.103 | <0.0300 |
| RC 14 | 1/11/2022 | 66.4 | 7.40 | 11.82 | 10.4 | 20.6 | 1.500 | 0.170 | <0.10 | <0.0300 |
| RC 14 | 4/7/2022 | 99.0 | 7.76 | 8.27 | 17.6 | 178 | 0.548 | <0.100 | 0.101 | <0.0300 |
| RC 14 | 8/2/2022 | 12.9 | 8.29 | 7.67 | 30.2 | 11.1 | 0.332 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 11/16/2022 | 6.8 | 7.79 | 9.06 | 12.4 | 9.2 | <0.250 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 2/14/2023 | 36.9 | 6.92 | 10.48 | 12.2 | 17.9 | 0.423 | 0.107 | <0.100 | <0.0300 |
| RC 14 | 5/25/2023 | 16.0 | 7.41 | 8.75 | 26.4 | 17.2 | 0.945 | <0.0500 | 0.0850 | <0.0140 |
| RC 14 | 8/7/2023 | 19.1 | 7.20 | 6.63 | 29.1 | 15.0 | 0.604 | <0.100 | 0.150 | 0.0360 |
| RC 14 | 12/12/2023 | 19.8 | 7.64 | 8.64 | 9.8 | 38.2 | 0.451 | <0.0500 | 0.0358 | <0.0140 |

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 1/10/2024 | 46.4 | 6.97 | 8.53 | 8.1 | 50.0 | 0.785 | 0.294 | 0.117 | 0.0420 |
| RC 14 | 5/21/2024 | 13.9 | 7.91 | 10.48 | 27.1 | 8.4 | 0.667 | <0.100 | 0.080 | <0.0300 |
| RC 14 | 9/16/2024 | 8.39 | 8.15 | 8.44 | 26.2 | 14.4 | 0.738 | <0.0500 | 0.0709 | <0.0140 |
| RC 14 | 12/11/2024 | 89.6 | 7.44 | 8.88 | 11.3 | 65.6 | 0.561 | 0.315 | 0.108 | 0.0790 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 3/12/2013 | 13.1 | 8.19 | 8.26 | 13.10 | 16.0 | 0.34 | 0.54 | 0.11 | 0.110 |
| SME 1 | 5/8/2013 | 24.0 | 7.64 | 8.96 | 16.00 | 14.0 | 0.42 | 0.15 | <0.100 | 0.063 |
| SME 1 | 9/23/2013 | 14.2 | 8.26 | 7.87 | 27.70 | 15.0 | 0.80 | <0.100 | <0.100 | 0.053 |
| SME 1 | 12/10/2013 | 46.3 | 8.05 | 9.15 | 7.60 | 21.0 | 0.47 | 0.55 | 0.26 | 0.210 |
| SME 1 | 2/6/2014 | 61.0 | 7.22 | 11.34 | 5.90 | 23.0 | 0.50 | 0.55 | 0.13 | 0.110 |
| SME 1 | 6/26/2014 | 14.0 | 8.49 | 7.05 | NS | 13.0 | 0.31 | <0.100 | <0.100 | <0.025 |
| SME 1 | 9/30/2014 | 27.6 | 8.25 | 7.46 | 24.67 | 34.0 | 0.61 | <0.100 | 0.11 | 0.044 |
| SME 1 | 11/19/2014 | 40.1 | 8.31 | 10.86 | 7.80 | 19.0 | 0.55 | 0.74 | 0.29 | 0.270 |
| SME 1 | 3/23/2015 | 21.0 | 8.26 | 8.52 | 17.30 | 14.0 | <0.250 | 0.51 | 0.10 | 0.073 |
| SME 1 | 4/22/2015 | 29.0 | 7.14 | 7.97 | 18.50 | 18.0 | 0.38 | 0.40 | <0.100 | 0.039 |
| SME 1 | 9/30/2015 | 15.0 | 8.34 | 7.03 | 26.40 | 15.3 | 0.807 | <0.100 | 0.135 | 0.052 |
| SME 1 | 11/19/2015 | 50.0 | 7.92 | 7.04 | 15.90 | 23.2 | <0.250 | 0.401 | 0.134 | 0.084 |
| SME 1 | 3/15/2016 | 26.2 | 8.44 | 7.21 | 18.30 | 17.7 | <0.250 | 0.454 | <0.100 | 0.047 |
| SME 1 | 6/29/2016 | 21.2 | 8.80 | 3.29 | 30.67 | 20.3 | 0.620 | <0.100 | 0.245 | 0.180 |
| SME 1 | 8/9/2016 | 15.3 | 8.55 | 4.98 | 28.87 | 12.6 | 0.547 | <0.100 | 0.154 | 0.089 |
| SME 1 | 12/7/2016 | 31.0 | 7.96 | 10.20 | 11.98 | 17.7 | 0.378 | 0.413 | 0.271 | 0.209 |
| SME 1 | 3/2/2017 | 14.0 | 7.75 | 4.31 | 12.34 | 15.0 | 0.345 | 0.671 | 0.208 | 0.127 |
| SME 1 | 6/29/2017 | 19.2 | 9.11 | 9.21 | 25.8 | 18.3 | 0.530 | <0.100 | 0.000 | 0.028 |
| SME 1 | 8/16/2017 | 10.6 | 8.12 | 6.58 | 29.7 | 12.7 | 0.520 | <0.100 | 0.111 | <0.025 |
| SME 1 | 10/25/2017 | 5.4 | 8.02 | 8.32 | 17.3 | 16.9 | 0.288 | 0.368 | 0.151 | 0.121 |
| SME 1 | 3/28/2018 | 19.3 | 8.10 | 9.18 | 17.6 | 19.8 | <0.250 | 0.633 | 0.000 | 0.106 |
| SME 1 | 6/29/2018 | 20.7 | 7.84 | 6.37 | 26.2 | 23.3 | 0.670 | 0.312 | 0.241 | 0.121 |

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 8/2/2018 | 28.5 | 7.48 | 5.82 | 23.9 | 29.5 | 0.495 | 0.296 | 0.136 | 0.145 |
| SME 1 | 12/10/2018 | 32.0 | 7.45 | 11.48 | 8.0 | 31.0 | 0.336 | 0.259 | <0.100 | <0.025 |
| SME 1 | 4/15/2019 | 42.2 | 7.89 | 7.89 | 19.7 | 35.0 | 0.360 | 0.390 | <0.100 | 0.063 |
| SME 1 | 6/12/2019 | 12.2 | 7.34 | 8.73 | 27.2 | 9.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 1 | 8/27/2019 | 135.2 | 7.45 | 8.51 | 28.8 | 7.1 | 0.356 | <0.100 | 0.161 | <0.025 |
| SME 1 | 10/29/2019 | 14.5 | 7.95 | 9.21 | 17.6 | 11.0 | 0.272 | 0.129 | 0.134 | 0.049 |
| SME 1 | 3/30/2020 | 13.3 | 7.35 | 8.61 | 19.3 | 13.3 | <0.250 | 0.462 | <0.100 | <0.025 |
| SME 1 | 6/16/2020 | 11.6 | 8.58 | 10.36 | 27.0 | 11.4 | 0.485 | <0.100 | 0.129 | 0.031 |
| SME 1 | 9/21/2020 | 13.8 | 7.71 | 6.92 | 22.2 | 9.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| SME 1 | 12/17/2020 | 23.19 | 7.66 | 10.68 | 9.2 | 20.9 | 0.300 | 0.577 | <0.100 | 0.072 |
| SME 1 | 3/18/2021 | 14.10 | 7.24 | 9.54 | 15.7 | 90.4 | 0.580 | 0.263 | <0.100 | 0.112 |
| SME 1 | 5/5/2021 | 28.83 | 7.43 | 8.53 | 20.1 | 34.0 | 0.402 | 0.122 | <0.100 | <0.030 |
| SME 1 | 9/2/2021 | 23.89 | 7.80 | 6.93 | 25.8 | 35.8 | 0.353 | 0.458 | 0.218 | 0.190 |
| SME 1 | 11/23/2021 | 18.42 | 7.91 | 11.34 | 12.4 | 12.7 | <0.250 | <0.100 | 0.165 | 0.076 |
| SME 1 | 1/11/2022 | 161.2 | 7.55 | 11.29 | 10.2 | 17.0 | 1.800 | 8.200 | <0.10 | 0.054 |
| SME 1 | 4/7/2022 | 112.9 | 7.65 | 9.26 | 17.2 | 140 | 0.544 | 0.431 | 0.255 | 0.192 |
| SME 1 | 8/2/2022 | 12.0 | 8.10 | 7.98 | 29.2 | 6.3 | 0.281 | <0.100 | <0.100 | <0.0300 |
| SME 1 | 11/16/2022 | 5.78 | 7.86 | 9.45 | 14.3 | 7.9 | 0.306 | <0.100 | <0.100 | <0.0300 |
| SME 1 | 2/14/2023 | 15.5 | 7.26 | 11.23 | 11.0 | 11.3 | 0.281 | 0.372 | <0.100 | <0.0300 |
| SME 1 | 5/25/2023 | 6.6 | 8.38 | 10.64 | 24.5 | 10.6 | 0.694 | <0.0500 | 0.0961 | 0.0430 |
| SME 1 | 8/7/2023 | 11.7 | 8.01 | 7.58 | 30.2 | 13.9 | 0.552 | <0.100 | 0.170 | 0.0670 |
| SME 1 | 12/12/2023 | 17.2 | 7.36 | 8.99 | 9.2 | 10.4 | 0.434 | 0.172 | 0.262 | 0.219 |

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 1 | 1/10/2024 | 60.2 | 7.27 | 9.03 | 7.9 | 53.0 | 0.542 | 0.511 | 0.264 | 0.224 |
| SME 1 | 5/21/2024 | 22.2 | 8.21 | 11.59 | 25.8 | 14.6 | 0.597 | <0.100 | 0.112 | <0.0300 |
| SME 1 | 9/16/2024 | 3.45 | 8.15 | 8.55 | 26.4 | 7.11 | 0.699 | <0.0500 | 0.0871 | <0.0140 |
| SME 1 | 12/11/2024 | 30.9 | 8.28 | 10.44 | 9.8 | 19.4 | 0.334 | 0.327 | 0.282 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 3/13/2013 | 17.1 | 7.84 | 7.44 | 11.30 | 15.0 | 0.69 | 0.20 | <0.100 | 0.038 |
| SME 3 | 5/20/2013 | 18.5 | 8.11 | 6.09 | 23.60 | 19.0 | 0.69 | 0.17 | <0.100 | 0.028 |
| SME 3 | 9/23/2013 | 15.3 | EF | 5.32 | 26.50 | 13.0 | 0.53 | <0.100 | <0.100 | 0.029 |
| SME 3 | 12/10/2013 | 48.3 | 7.69 | 8.85 | 9.60 | 20.0 | 0.62 | <0.100 | <0.100 | 0.086 |
| SME 3 | 2/6/2014 | 82.7 | 7.09 | 10.62 | 6.30 | 33.0 | 0.69 | 0.25 | <0.100 | <0.025 |
| SME 3 | 6/26/2014 | 50.0 | 8.04 | 7.03 | NS | 30.0 | 0.53 | <0.100 | <0.100 | 0.047 |
| SME 3 | 9/30/2014 | 17.3 | 8.08 | 5.98 | 25.33 | 18.0 | 0.66 | <0.100 | <0.100 | <0.025 |
| SME 3 | 11/19/2014 | 22.4 | 8.30 | 10.40 | 9.30 | 19.0 | <0.250 | 0.12 | <0.100 | 0.035 |
| SME 3 | 3/23/2015 | 25.0 | 8.13 | 7.72 | 21.20 | 16.0 | 0.46 | 0.24 | <0.100 | 0.026 |
| SME 3 | 4/22/2015 | 12.0 | 7.76 | 6.70 | 21.80 | 14.0 | 0.45 | 0.15 | <0.100 | <0.025 |
| SME 3 | 9/30/2015 | 18.0 | 7.96 | 6.19 | 25.60 | 24.4 | 0.42 | 0.125 | 0.129 | <0.025 |
| SME 3 | 11/19/2015 | 65.0 | 7.56 | 7.44 | 15.80 | 37.8 | <0.250 | 0.253 | <0.100 | 0.032 |
| SME 3 | 3/15/2016 | 68.4 | 8.35 | 7.51 | 19.20 | 78.8 | <0.250 | 0.295 | <0.100 | <0.025 |
| SME 3 | 6/29/2016 | 17.7 | 7.80 | 2.56 | 30.16 | 15.3 | 0.37 | <0.100 | <0.100 | 0.062 |
| SME 3 | 8/9/2016 | 14.8 | 7.52 | 3.43 | 29.53 | 10.8 | 0.564 | <0.100 | <0.100 | <0.025 |
| SME 3 | 12/7/2016 | 8.5 | 7.90 | 10.91 | 11.85 | 9.4 | 1.780 | <0.100 | 0.147 | <0.025 |
| SME 3 | 3/2/2017 | 14.6 | 7.95 | 4.60 | 13.64 | 17.0 | 0.733 | 0.272 | <0.100 | <0.025 |
| SME 3 | 7/5/2017 | 12.5 | 7.54 | 5.88 | 27.3 | 16.3 | 0.628 | <0.100 | <0.100 | 0.039 |
| SME 3 | 8/16/2017 | 11.5 | 7.86 | 5.00 | 28.1 | 18.5 | 0.446 | <0.100 | <0.100 | 0.07 |
| SME 3 | 10/25/2017 | 15.3 | 7.42 | 8.23 | 19.4 | 49.7 | 0.376 | <0.100 | 0.106 | 0.053 |
| SME 3 | 3/28/2018 | 8.9 | 7.98 | 9.44 | 17.4 | 11.2 | <0.250 | 0.220 | <0.100 | <0.025 |
| SME 3 | 6/29/2018 | 15.8 | 7.53 | 5.39 | 26.9 | 115.0 | 0.800 | <0.100 | <0.100 | <0.025 |

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 8/2/2018 | 30.0 | 7.59 | 5.66 | 26.4 | 56.0 | 0.981 | <0.100 | 0.108 | <0.025 |
| SME 3 | 12/10/2018 | 33.1 | 7.21 | 10.68 | 7.0 | 27.1 | 0.433 | <0.100 | 0.127 | <0.025 |
| SME 3 | 4/15/2019 | 552.6 | 7.78 | 7.65 | 19.7 | 371 | 0.271 | 0.234 | 0.285 | <0.025 |
| SME 3 | 6/12/2019 | 7.8 | 7.48 | 6.87 | 27.1 | 10.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 3 | 8/27/2019 | 55.3 | 7.91 | 8.41 | 29.2 | 7.0 | 0.389 | <0.100 | 0.149 | <0.025 |
| SME 3 | 10/29/2019 | 22.4 | 7.77 | 8.44 | 17.2 | 15.4 | 0.390 | <0.100 | <0.100 | <0.025 |
| SME 3 | 3/30/2020 | 14.4 | 7.51 | 8.91 | 18.8 | 18.2 | 0.657 | 0.239 | <0.100 | <0.025 |
| SME 3 | 6/16/2020 | 9.2 | 8.06 | 7.95 | 27.1 | 10.1 | 0.466 | <0.100 | 0.102 | <0.030 |
| SME 3 | 9/21/2020 | 15.3 | 7.67 | 6.50 | 23.0 | 10.7 | 0.660 | <0.100 | <0.100 | <0.030 |
| SME 3 | 12/17/2020 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 3/18/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 5/5/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 9/2/2021 | 102.33 | 7.75 | 5.64 | 26.3 | 267 | 1.24 | <0.100 | 0.234 | 0.057 |
| SME 3 | 11/23/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 1/11/2022 | 109.4 | 7.58 | 11.17 | 9.9 | 15.4 | 0.520 | 0.390 | <0.10 | <0.0300 |
| SME 3 | 4/7/2022 | 32.3 | 7.69 | 8.99 | 16.6 | 27.0 | 0.406 | 0.181 | <0.100 | <0.0300 |
| SME 3 | 8/2/2022 | 11.0 | 7.81 | 6.35 | 29.2 | 5.6 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 11/16/2022 | 7.3 | 7.76 | 9.28 | 13.6 | 10.3 | 0.294 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 2/14/2023 | 33.2 | 7.18 | 10.81 | 10.8 | 66.4 | 0.351 | 0.325 | <0.100 | <0.0300 |
| SME 3 | 5/25/2023 | 7.6 | 7.51 | 7.99 | 24.0 | 11.0 | 0.515 | <0.0500 | 0.0569 | <0.0140 |
| SME 3 | 8/7/2023 | 9.9 | 7.46 | 6.74 | 29.7 | 14.4 | 0.424 | <0.100 | 0.0912 | <0.0300 |

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 12/12/2023 | 32.5 | 7.01 | 8.06 | 10.2 | 13.4 | 0.502 | 0.103 | <0.0350 | <0.0140 |
| SME 3 | 1/10/2024 | 33.1 | 7.27 | 9.25 | 7.6 | 44.8 | 0.392 | 0.348 | 0.0956 | 0.0270 |
| SME 3 | 5/21/2024 | 18.8 | 8.12 | 10.05 | 25.1 | 24.6 | 0.545 | <0.100 | 0.0739 | <0.0300 |
| SME 3 | 9/16/2024 | 7.12 | 7.73 | 7.45 | 26.3 | 12.7 | 0.784 | <0.0500 | 0.108 | <0.0140 |
| SME 3 | 12/11/2024 | 139.2 | 7.61 | 9.62 | 10.7 | 111 | 0.411 | 0.146 | 0.0238 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.16 - HISTORICAL ANALYTICAL DATA - SME 4
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 4 | 12/17/2020 | 17.70 | 7.69 | 10.82 | 9.80 | 17.8 | 0.263 | 0.387 | <0.10 | <0.03 |
| SME 4 | 3/18/2021 | 2.20 | 7.25 | 9.20 | 17.60 | 21.6 | 0.331 | 0.319 | <0.100 | <0.030 |
| SME 4 | 5/5/2021 | 20.02 | 7.86 | 7.81 | 21.0 | 27.5 | <0.250 | 0.213 | <0.100 | <0.030 |
| SME 4 | 9/2/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 4 | 11/23/2021 | 48.51 | 7.64 | 10.41 | 10.6 | 9.2 | <0.250 | 0.164 | <0.100 | <0.0300 |
| SME 4 | 1/11/2022 | 17.30 | 7.39 | 11.35 | 13.40 | 15.6 | 0.97 | 0.44 | <0.10 | <0.0300 |
| SME 4 | 4/7/2022 | 21.6 | 7.55 | 9.30 | 16.7 | 20.9 | 0.254 | 0.273 | <0.100 | 0.060 |
| SME 4 | 8/2/2022 | 14.0 | 7.79 | 6.24 | 29.1 | 6.00 | 0.274 | 0.102 | <0.100 | <0.0300 |
| SME 4 | 11/16/2022 | 9.91 | 7.69 | 9.45 | 12.5 | 10.5 | 0.382 | <0.100 | <0.100 | <0.0300 |
| SME 4 | 2/14/2023 | 15.8 | 7.27 | 10.99 | 11.3 | 22.5 | 0.484 | 0.416 | <0.100 | <0.0300 |
| SME 4 | 5/25/2023 | 3.4 | 8.33 | 9.53 | 24.6 | 6.71 | 0.513 | <0.0500 | <0.0350 | <0.0140 |
| SME 4 | 8/7/2023 | 3.2 | 7.44 | 6.51 | 29.7 | 7.00 | 0.436 | <0.100 | 0.0866 | <0.0300 |
| SME 4 | 12/12/2023 | 14.0 | 7.57 | 8.33 | 10.8 | 13.8 | 0.497 | 0.140 | 0.0454 | <0.0140 |
| SME 4 | 1/10/2024 | 30.4 | 7.65 | 9.21 | 7.5 | 34.4 | 0.327 | 0.354 | 0.0532 | 0.0200 |
| SME 4 | 5/21/2024 | 21.0 | 7.38 | 9.03 | 24.6 | 12.0 | 0.565 | 0.143 | 0.0925 | <0.0300 |
| SME 4 | 9/16/2024 | 3.44 | 7.68 | 6.79 | 25.3 | 11.5 | 0.709 | <0.0500 | 0.0824 | <0.0140 |
| SME 4 | 12/11/2024 | 7.8 | 7.93 | 10.58 | 9.6 | 11.6 | 0.305 | 0.202 | 0.0652 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.17 - HISTORICAL ANALYTICAL DATA - SME 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 5 | 12/17/2020 | 15.24 | 7.80 | 10.94 | 10.00 | 17.7 | 0.258 | 0.371 | <0.100 | <0.030 |
| SME 5 | 3/18/2021 | 1.70 | 7.83 | 9.59 | 15.90 | 23.0 | 0.317 | 0.316 | <0.100 | <0.030 |
| SME 5 | 5/5/2021 | 50.11 | 7.80 | 7.96 | 21.2 | 60.6 | 0.410 | <0.100 | <0.100 | <0.030 |
| SME 5 | 9/2/2021 | 15.15 | 8.02 | 6.42 | 28.2 | 31.8 | 0.325 | 0.128 | <0.100 | <0.030 |
| SME 5 | 11/23/2021 | 68.29 | 7.78 | 10.42 | 14.9 | 14.0 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 5 | 1/11/2022 | 24.90 | 7.66 | 10.46 | 14.7 | 16.6 | 1.50 | 0.450 | <0.10 | 0.035 |
| SME 5 | 4/7/2022 | 55.4 | 7.99 | 9.43 | 17.4 | 25.4 | 0.385 | 0.290 | <0.100 | <0.0300 |
| SME 5 | 8/2/2022 | 12.0 | 8.26 | 7.16 | 30.4 | 7.30 | 0.277 | 0.102 | <0.100 | <0.0300 |
| SME 5 | 11/16/2022 | 7.26 | 7.91 | 9.00 | 14.7 | 11.1 | 0.347 | 0.113 | <0.100 | <0.0300 |
| SME 5 | 2/14/2023 | 15.1 | 7.17 | 10.93 | 12.2 | 12.3 | 0.302 | 0.425 | <0.100 | <0.0300 |
| SME 5 | 5/25/2023 | 7.1 | 8.06 | 9.41 | 25.4 | 11.4 | 0.564 | 0.155 | 0.0593 | <0.0140 |
| SME 5 | 8/7/2023 | 5.6 | 7.71 | 7.47 | 30.6 | 8.60 | 0.677 | 0.0568 | 0.122 | <0.0300 |
| SME 5 | 12/12/2023 | 9.1 | 7.58 | 8.67 | 10.9 | 8.93 | 0.465 | 0.127 | 0.0370 | <0.0140 |
| SME 5 | 1/10/2024 | 31.4 | 7.12 | 9.53 | 7.9 | 51.5 | 0.366 | 0.488 | 0.0773 | 0.0170 |
| SME 5 | 5/21/2024 | 13.9 | 7.81 | 9.72 | 26.0 | 12.3 | 0.653 | 0.179 | 0.0938 | <0.0300 |
| SME 5 | 9/16/2024 | 5.02 | 8.23 | 8.27 | 26.8 | 8.60 | 0.792 | 0.0936 | 0.0952 | <0.0140 |
| SME 5 | 12/11/2024 | 7.9 | 7.87 | 10.56 | 10.0 | 8.80 | 0.407 | 0.213 | 0.0348 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.18 - HISTORICAL ANALYTICAL DATA - SME 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 6 | 12/17/2020 | 13.6 | 7.96 | 10.89 | 10.1 | 16.7 | <0.25 | 0.368 | <0.10 | <0.03 |
| SME 6 | 3/18/2021 | 3.3 | 7.65 | 9.84 | 15.5 | 47.2 | 0.618 | 0.358 | <0.100 | <0.030 |
| SME 6 | 5/5/2021 | 62.3 | 7.75 | 7.80 | 19.9 | 82.8 | 0.403 | 0.183 | <0.100 | <0.030 |
| SME 6 | 9/2/2021 | 13.3 | 8.19 | 6.72 | 27.7 | 19.0 | 0.353 | 0.131 | 0.430 | <0.030 |
| SME 6 | 11/23/2021 | 9.8 | 7.68 | 10.35 | 15.1 | 11.2 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 6 | 1/11/2022 | 24.4 | 7.72 | 11.24 | 10.2 | 16.9 | 2.40 | 0.450 | <0.10 | <0.0300 |
| SME 6 | 4/7/2022 | 31.4 | 7.95 | 9.63 | 18.0 | 28.8 | 0.373 | 0.270 | <0.100 | <0.0300 |
| SME 6 | 8/2/2022 | 11.1 | 8.25 | 8.26 | 30.9 | 8.40 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 11/16/2022 | 8.0 | 7.87 | 9.34 | 14.0 | 11.3 | 0.308 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 2/14/2023 | 17.7 | 7.31 | 10.83 | 12.8 | 14.9 | 0.319 | 0.374 | <0.100 | <0.0300 |
| SME 6 | 5/25/2023 | 6.7 | 8.00 | 9.79 | 25.2 | 10.0 | 0.580 | 0.0655 | 0.0424 | <0.0140 |
| SME 6 | 8/7/2023 | 9.2 | 7.66 | 7.19 | 30.6 | 12.4 | 0.620 | <0.100 | 0.095 | <0.0300 |
| SME 6 | 12/12/2023 | 10.3 | 7.57 | 8.62 | 11.4 | 10.1 | 0.440 | 0.110 | 0.0507 | <0.0140 |
| SME 6 | 1/10/2024 | 31.0 | 7.24 | 9.50 | 7.9 | 39.5 | 0.413 | 0.344 | 0.0849 | 0.0140 |
| SME 6 | 5/21/2024 | 28.4 | 7.82 | 9.84 | 26.4 | 47.6 | 0.287 | 0.100 | 0.0700 | <0.0300 |
| SME 6 | 9/16/2024 | 7.03 | 8.28 | 8.30 | 26.6 | 20.4 | 0.767 | <0.0500 | 0.0908 | <0.0140 |
| SME 6 | 12/11/2024 | 61.0 | 7.95 | 10.59 | 10.7 | 103 | 0.326 | 0.179 | 0.0250 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 3/12/2013 | 5.98 | 8.38 | 9.87 | 10.80 | 7.2 | 0.39 | 0.30 | <0.100 | 0.031 |
| SS 5 | 5/8/2013 | 24.4 | 7.38 | 7.19 | 16.80 | 21.0 | 0.62 | 0.16 | <0.100 | <0.12 |
| SS 5 | 9/23/2013 | 13.8 | 8.00 | 5.44 | 25.80 | 15.0 | 1.30 | <0.100 | <0.100 | 0.029 |
| SS 5 | 12/10/2013 | 22.8 | 8.25 | 9.10 | 7.70 | 13.0 | 0.67 | 0.24 | 0.11 | 0.043 |
| SS 5 | 2/6/2014 | 27.5 | 7.20 | 12.09 | 5.40 | 12.0 | 0.86 | 0.39 | <0.100 | <0.025 |
| SS 5 | 6/26/2014 | 11.0 | 8.53 | 7.01 | NS | 11.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| SS 5 | 9/30/2014 | 11.2 | 7.64 | 6.82 | 24.44 | 11.0 | 0.45 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2014 | 14.1 | 8.96 | 13.13 | 8.50 | 9.6 | 0.35 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/23/2015 | 18.0 | 8.50 | 8.99 | 17.70 | 11.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| SS 5 | 4/22/2015 | 19.0 | 7.76 | 6.71 | 20.20 | 13.0 | 0.47 | 0.15 | <0.100 | <0.025 |
| SS 5 | 9/30/2015 | 11.0 | 8.26 | 6.61 | 25.30 | 9.9 | 0.606 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2015 | 19.0 | 7.86 | 8.47 | 15.90 | 11.0 | <0.250 | 0.239 | <0.100 | <0.025 |
| SS 5 | 3/15/2016 | 20.0 | 8.37 | 8.47 | 17.20 | 9.5 | 0.279 | 0.264 | 0.225 | <0.025 |
| SS 5 | 6/29/2016 | 14.7 | 8.01 | 3.81 | 29.77 | 13.2 | 0.480 | <0.100 | <0.100 | 0.066 |
| SS 5 | 8/9/2016 | 11.6 | 7.86 | 3.16 | 29.40 | 12.6 | 0.464 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/7/2016 | 6.6 | 7.94 | 6.70 | 12.30 | 8.0 | 0.420 | <0.100 | 0.12 | <0.025 |
| SS 5 | 3/2/2017 | 14.0 | 7.78 | 3.92 | 12.77 | 16.0 | 0.766 | 0.334 | <0.100 | <0.025 |
| SS 5 | 7/5/2017 | 8.4 | 7.77 | 7.19 | 28.90 | 12.0 | 0.474 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/16/2017 | 10.2 | 8.10 | 4.83 | 29.90 | 15.1 | 0.493 | <0.100 | <0.100 | <0.025 |
| SS 5 | 10/25/2017 | 7.5 | 8.24 | 8.36 | 19.2 | 11.8 | 0.531 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/28/2018 | 7.0 | 8.53 | 10.23 | 18.5 | 8.33 | <0.250 | 0.248 | <0.100 | <0.025 |
| SS 5 | 6/29/2018 | 10.4 | 7.93 | 5.50 | 27.5 | 13.3 | 0.605 | <0.100 | <0.100 | <0.025 |

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 8/2/2018 | 13.5 | 7.58 | 6.04 | 25.8 | 12.8 | 0.554 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/10/2018 | 21.9 | 7.01 | 11.15 | 7.3 | 16.7 | 0.522 | 0.146 | <0.100 | <0.025 |
| SS 5 | 4/15/2019 | 15.5 | 7.35 | 7.77 | 19.4 | 11.7 | 0.374 | 0.168 | <0.100 | <0.025 |
| SS 5 | 6/12/2019 | 10.0 | 8.44 | 8.78 | 26.6 | 11.0 | <0.250 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/27/2019 | 24.5 | 8.66 | 9.02 | 28.9 | 7.1 | 0.508 | <0.100 | 0.168 | <0.025 |
| SS 5 | 10/29/2019 | 18.7 | 8.20 | 9.33 | 18.1 | 10.4 | 0.631 | 0.105 | 0.198 | <0.025 |
| SS 5 | 3/30/2020 | 9.2 | 8.35 | 11.07 | 20.8 | 10.6 | 0.399 | 0.127 | <0.100 | <0.025 |
| SS 5 | 6/16/2020 | 10.5 | 8.41 | 7.99 | 27.9 | 9.7 | 0.534 | <0.100 | <0.100 | <0.030 |
| SS 5 | 9/21/2020 | 16.5 | 7.36 | 11.45 | 22.6 | 11.0 | 0.512 | <0.100 | <0.100 | <0.030 |
| SS 5 | 12/17/2020 | 8.64 | 8.02 | 11.24 | 9.6 | 10.1 | 0.428 | 0.200 | <0.100 | <0.030 |
| SS 5 | 3/18/2021 | 0.60 | 7.36 | 9.03 | 15.7 | 14.6 | 0.570 | 0.191 | <0.100 | <0.030 |
| SS 5 | 5/5/2021 | 38.40 | 7.55 | 7.72 | 20.5 | 32.2 | 0.576 | 0.108 | <0.100 | <0.030 |
| SS 5 | 9/2/2021 | 9.62 | 8.00 | 8.54 | 28.6 | 14.4 | 0.431 | <0.100 | <0.100 | <0.030 |
| SS 5 | 11/23/2021 | 10.84 | 7.40 | 10.89 | 13.7 | 7.7 | <0.250 | 0.126 | <0.100 | <0.0300 |
| SS 5 | 1/11/2022 | 46.0 | 7.64 | 11.13 | 11.1 | 10.4 | 1.300 | 0.320 | <0.10 | <0.0300 |
| SS 5 | 4/7/2022 | 20.7 | 7.80 | 8.85 | 17.9 | 15.6 | 0.516 | 0.122 | <0.100 | <0.0300 |
| SS 5 | 8/2/2022 | 11.90 | 8.38 | 7.32 | 30.6 | 7.8 | 0.812 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 11/16/2022 | 5.32 | 8.07 | 10.21 | 14.0 | 8.3 | 0.314 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 2/14/2023 | 11.20 | 7.35 | 11.62 | 12.7 | 10.4 | 0.344 | 0.284 | <0.100 | 0.093 |
| SS 5 | 5/25/2023 | 7.0 | 8.19 | 10.03 | 25.5 | 9.80 | 0.638 | <0.0500 | 0.0486 | 0.0670 |
| SS 5 | 8/7/2023 | 9.1 | 7.91 | 7.70 | 30.7 | 11.5 | 0.636 | <0.100 | 0.0971 | <0.0300 |
| SS 5 | 12/12/2023 | 8.7 | 7.85 | 9.72 | 11.2 | 6.80 | 0.573 | <0.0500 | <0.0350 | <0.0140 |

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 1/10/2024 | 19.5 | 7.46 | 9.56 | 9.1 | 20.4 | 0.576 | 0.166 | 0.0715 | <0.0140 |
| SS 5 | 5/21/2024 | 16.2 | 7.87 | 9.02 | 25.8 | 11.0 | 0.261 | 0.107 | 0.0743 | <0.0300 |
| SS 5 | 9/16/2024 | 5.75 | 8.44 | 9.43 | 26.6 | 12.0 | 0.750 | <0.0500 | 0.0875 | <0.0140 |
| SS 5 | 12/11/2024 | 24.0 | 7.78 | 10.00 | 11.6 | 23.3 | 0.451 | 0.162 | 0.0407 | 0.150 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.20 - HISTORICAL ANALYTICAL DATA - GD 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 6 | 3/12/2013 | 10.3 | 8.03 | 9.65 | 11.90 | 5.8 | 0.29 | 0.21 | <0.100 | 0.036 |
| GD 6 | 5/8/2013 | 18.5 | 6.81 | 2.35 | 19.02 | 8.3 | 0.40 | 0.23 | <0.100 | 0.033 |
| GD 6 | 9/23/2013 | 6.0 | 7.28 | 5.17 | 26.93 | 5.8 | 0.36 | <0.100 | <0.100 | <0.025 |
| GD 6 | 12/10/2013 | 26.4 | 5.98 | 11.41 | 10.64 | 8.6 | 0.17 | 0.37 | <0.100 | 0.041 |
| GD 6 | 2/6/2014 | 15.5 | 4.34 | 15.80 | 6.85 | 5.5 | 0.16 | 0.26 | <0.100 | 0.057 |
| GD 6 | 6/26/2014 | 14.4 | 8.31 | 8.95 | 27.29 | 7.0 | 0.42 | <0.100 | <0.100 | <0.025 |
| GD 6 | 9/30/2014 | 7.1 | 8.35 | 6.53 | 26.78 | 7.0 | 0.55 | <0.100 | <0.100 | <0.025 |
| GD 6 | 11/19/2014 | 13.4 | 7.17 | 3.36 | 9.67 | 9.8 | 0.38 | 0.22 | 0.28 | <0.025 |
| GD 6 | 3/23/2015 | 16.5 | 7.95 | 8.95 | 18.40 | 8.2 | 0.26 | 0.22 | <0.100 | <0.025 |
| GD 6 | 4/22/2015 | 14.9 | 7.59 | 10.82 | 19.80 | 8.0 | 0.28 | 0.22 | <0.100 | <0.025 |
| GD 6 | 9/30/2015 | 14.1 | 8.19 | 12.31 | 25.47 | 12.4 | 0.974 | <0.100 | 0.103 | <0.025 |
| GD 6 | 11/19/2015 | 42.5 | 6.97 | 15.87 | 17.75 | 16.0 | 0.768 | 0.468 | 0.131 | 0.037 |
| GD 6 | 3/15/2016 | 16.1 | 7.68 | 11.58 | 19.98 | 7.9 | 0.500 | 0.124 | <0.100 | 0.043 |
| GD 6 | 6/29/2016 | 10.4 | 8.86 | 9.64 | 31.50 | 11.2 | 0.400 | <0.100 | <0.100 | <0.025 |
| GD 6 | 8/9/2016 | 10.4 | 8.26 | 6.98 | 30.70 | 10.3 | 0.621 | <0.100 | <0.100 | <0.025 |
| GD 6 | 12/7/2016 | 11.5 | 7.43 | 8.13 | 14.3 | 7.5 | 0.485 | 0.365 | <0.100 | <0.025 |
| GD 6 | 3/2/2017 | 14.3 | 8.05 | 8.02 | 14.70 | 9.0 | 0.509 | 0.250 | <0.100 | <0.025 |
| GD 6 | 6/21/2017 | 7.7 | 7.67 | 4.99 | 26.8 | 21.0 | 0.926 | <0.100 | 0.11 | <0.025 |
| GD 6 | 8/17/2017 | 7.0 | 8.02 | 7.72 | 31.2 | 13.2 | 0.677 | <0.100 | <0.100 | <0.025 |
| GD 6 | 10/26/2017 | 8.3 | 6.25 | 7.84 | 15.8 | 12.0 | 0.385 | 0.126 | <0.100 | <0.025 |
| GD 6 | 3/27/2018 | 10.1 | 7.97 | 9.00 | 12.1 | 10.9 | <0.25 | 0.233 | 1.76 | <0.025 |
| GD 6 | 6/26/2018 | 8.0 | 8.02 | 6.78 | 29.6 | 9.6 | 0.782 | 0.108 | <0.100 | <0.025 |
| GD 6 | 8/1/2018 | 25.4 | 7.66 | 7.52 | 22.7 | 21.9 | 0.636 | 0.335 | 0.138 | 0.090 |
| GD 6 | 12/11/2018 | 13.8 | 7.97 | 10.92 | 8.2 | 5.8 | 0.362 | 0.397 | <0.100 | <0.025 |

## TABLE B.20 - HISTORICAL ANALYTICAL DATA - GD 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 6 | 4/17/2019 | 9.0 | 7.10 | 8.00 | 20.5 | 9.6 | 0.624 | 0.198 | <0.100 | <0.025 |
| GD 6 | 6/11/2019 | 17.9 | 7.07 | 3.68 | 23.8 | 12.4 | 0.728 | <0.100 | <0.100 | <0.025 |
| GD 6 | 8/28/2019 | 9.1 | 7.94 | 6.32 | 28.5 | 6.5 | 0.607 | <0.100 | <0.100 | <0.025 |
| GD 6 | 10/28/2019 | 18.4 | 7.48 | 6.63 | 16.4 | 9.9 | 0.467 | 0.198 | <0.100 | <0.025 |
| GD 6 | 3/31/2020 | 16.0 | 6.06 | 8.86 | 16.1 | 8.40 | <0.250 | 0.212 | 0.127 | <0.025 |
| GD 6 | 6/10/2020 | 7.4 | 7.04 | 6.36 | 26.5 | 10.4 | 0.832 | 0.127 | <0.100 | <0.030 |
| GD 6 | 9/21/2020 | NS | 7.96 | 8.48 | 21.4 | 8.60 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 6 | 12/17/2020 | 0.5 | 7.96 | 10.08 | 9.0 | 7.40 | 0.377 | 0.309 | <0.100 | <0.030 |
| GD 6 | 3/18/2021 | 75.6 | 7.97 | 9.21 | 17.0 | 31.6 | 0.364 | 0.241 | 0.183 | <0.030 |
| GD 6 | 5/5/2021 | 5.7 | 7.55 | 8.62 | 19.2 | 12.3 | 0.542 | 7.95 | 0.124 | <0.030 |
| GD 6 | 9/2/2021 | EF | EF | 6.24 | 27.1 | 25.4 | 3.44 | 0.139 | 0.305 | <0.030 |
| GD 6 | 11/23/2021 | <1.0 | 7.61 | 8.28 | 15.6 | 8.50 | 0.350 | 0.132 | 0.102 | <0.0300 |
| GD 6 | 1/10/2022 | 14.2 | 8.05 | 10.58 | 9.5 | 10.20 | 0.850 | 0.238 | 0.147 | 0.037 |
| GD 6 | 4/7/2022 | 13.63 | 7.70 | 8.85 | 17.2 | 9.90 | 0.433 | 0.160 | <0.100 | <0.0300 |
| GD 6 | 8/3/2022 | 10.1 | 7.71 | 7.21 | 29.7 | 5.30 | 0.588 | <0.100 | <0.100 | <0.0300 |
| GD 6 | 11/16/2022 | 23.9 | 7.47 | 9.78 | 12.2 | 7.50 | 0.476 | 0.166 | <0.100 | <0.0300 |
| GD 6 | 2/13/2023 | 18.3 | 7.26 | 11.69 | 12.4 | 7.10 | 0.559 | 0.265 | <0.100 | <0.0300 |
| GD 6 | 5/24/2023 | 3.8 | 8.01 | 9.09 | 24.6 | 7.47 | 0.468 | 0.101 | 0.0666 | <0.0140 |
| GD 6 | 8/7/2023 | 5.10 | 7.86 | 9.10 | 29.7 | 4.30 | 0.914 | <0.100 | 0.0929 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.21 - HISTORICAL ANALYTICAL DATA - GD 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 7 | 3/12/2013 | 9.7 | 7.98 | 11.63 | 15.27 | 8.8 | 0.31 | 0.39 | <0.100 | 0.037 |
| GD 7 | 5/8/2013 | 26.1 | 7.72 | 7.46 | 18.40 | 20.0 | <0.56 | 0.24 | <0.100 | 0.063 |
| GD 7 | 9/23/2013 | 10.9 | 7.05 | 6.31 | 26.50 | 9.6 | 0.54 | <0.100 | <0.100 | 0.026 |
| GD 7 | 12/10/2013 | 41.9 | 8.02 | 9.68 | 7.50 | 40.0 | 0.32 | 0.34 | 0.11 | 0.084 |
| GD 7 | 2/6/2014 | 28.0 | 7.27 | 13.32 | 4.40 | 13.0 | 0.61 | 0.52 | <0.100 | 0.034 |
| GD 7 | 6/26/2014 | 6.2 | 8.45 | 7.04 | NS | 8.7 | 0.52 | <0.100 | <0.100 | <0.025 |
| GD 7 | 9/30/2014 | 11.9 | 7.87 | 6.32 | 24.39 | 13.0 | 0.41 | <0.100 | <0.100 | <0.025 |
| GD 7 | 11/19/2014 | 19.6 | 8.53 | 10.10 | 9.60 | 15.0 | 0.46 | 0.14 | 0.13 | <0.025 |
| GD 7 | 3/23/2015 | 13.0 | 8.28 | 8.87 | 15.40 | 10.0 | 0.35 | 0.27 | <0.100 | <0.025 |
| GD 7 | 4/22/2015 | 28.0 | 7.99 | 6.40 | 20.20 | 24.0 | 0.47 | 0.24 | <0.100 | <0.025 |
| GD 7 | 9/30/2015 | 8.3 | 7.89 | 5.18 | 24.90 | 9.1 | 0.59 | <0.100 | <0.100 | <0.025 |
| GD 7 | 11/19/2015 | 45.0 | 7.78 | 8.23 | 15.60 | 34.3 | <0.250 | 0.344 | <0.100 | 0.051 |
| GD 7 | 3/15/2016 | 17.2 | 8.46 | 8.51 | 17.80 | 13.9 | 0.397 | 0.261 | <0.100 | <0.025 |
| GD 7 | 6/29/2016 | 10.7 | 7.90 | 2.22 | 30.32 | 8.6 | 0.490 | <0.100 | <0.100 | 0.048 |
| GD 7 | 8/9/2016 | 6.5 | 7.97 | 4.08 | 29.31 | 5.7 | 0.471 | <0.100 | <0.100 | <0.025 |
| GD 7 | 12/7/2016 | 9.5 | 7.88 | 10.14 | 12.39 | 7.8 | 0.355 | <0.100 | <0.100 | <0.025 |
| GD 7 | 3/2/2017 | 10.8 | 7.80 | 4.57 | 13.35 | 14.4 | 0.514 | 0.36 | <0.100 | <0.025 |
| GD 7 | 6/29/2017 | 9.4 | 8.18 | 6.59 | 26.4 | 13.4 | 0.440 | <0.100 | <0.100 | <0.025 |
| GD 7 | 8/16/2017 | 8.5 | 7.84 | 5.66 | 29.0 | 15.3 | 0.358 | <0.100 | <0.100 | <0.025 |
| GD 7 | 10/25/2017 | 9.9 | 7.73 | 6.93 | 19.8 | 18.4 | 0.416 | <0.10 | <0.100 | <0.025 |
| GD 7 | 3/28/2018 | 7.6 | 8.16 | 9.33 | 14.9 | 9.19 | <0.250 | 0.350 | <0.100 | <0.025 |
| GD 7 | 6/29/2018 | 14.2 | 7.79 | 5.56 | 27.5 | 14.60 | 0.625 | <0.100 | <0.100 | <0.025 |
| GD 7 | 8/2/2018 | 18.5 | 7.62 | 5.51 | 27.0 | 32.10 | 0.450 | <0.100 | <0.100 | 0.027 |
| GD 7 | 12/10/2018 | 40.8 | 7.06 | 11.05 | 8.0 | 48.7 | 0.390 | 0.378 | 0.149 | <0.025 |

## TABLE B.21 - HISTORICAL ANALYTICAL DATA - GD 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 7 | 4/15/2019 | 30.1 | 7.83 | 7.85 | 19.2 | 12.0 | <0.250 | 0.230 | <0.100 | <0.025 |
| GD 7 | 6/12/2019 | 7.4 | 7.24 | 6.68 | 27.2 | 9.3 | <0.250 | 0.132 | <0.100 | <0.025 |
| GD 7 | 8/27/2019 | 45.3 | 7.35 | 9.35 | 29.1 | 6.3 | 0.604 | <0.100 | 0.156 | <0.025 |
| GD 7 | 10/29/2019 | 17.6 | 7.77 | 8.14 | 17.2 | 17.0 | 0.414 | <0.100 | <0.100 | <0.025 |
| GD 7 | 3/30/2020 | 7.8 | 7.77 | 10.38 | 21.1 | 12.8 | 0.343 | <0.100 | <0.100 | <0.025 |
| GD 7 | 6/16/2020 | 9.1 | 8.12 | 8.25 | 27.3 | 8.3 | 0.322 | <0.100 | <0.100 | <0.030 |
| GD 7 | 9/21/2020 | 13.6 | 7.42 | 12.45 | 23.7 | 9.60 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 7 | 12/17/2020 | 14.4 | 7.75 | 10.21 | 9.5 | 18.20 | <0.250 | 0.373 | <0.100 | <0.030 |
| GD 7 | 3/18/2021 | 1.2 | 7.37 | 9.75 | 15.4 | 23.00 | 0.387 | 0.312 | <0.100 | <0.030 |
| GD 7 | 5/5/2021 | 19.74 | 7.59 | 7.64 | 21.4 | 40.3 | 0.661 | <0.100 | <0.100 | <0.030 |
| GD 7 | 9/2/2021 | 13.57 | 7.75 | 6.38 | 27.6 | 34.40 | 0.324 | 0.107 | 0.122 | <0.030 |
| GD 7 | 11/23/2021 | 25.2 | 7.62 | 11.21 | 11.7 | 11.10 | <0.250 | 0.197 | <0.100 | <0.0300 |
| GD 7 | 1/11/2022 | 46.0 | 7.38 | 12.59 | 9.7 | 15.20 | <0.50 | 0.410 | <0.10 | <0.0300 |
| GD 7 | 4/7/2022 | 17.4 | 7.61 | 9.33 | 17.2 | 23.4 | 0.361 | 0.280 | 0.162 | <0.0300 |
| GD 7 | 8/2/2022 | 10.2 | 7.86 | 6.29 | 29.3 | 4.30 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 7 | 11/16/2022 | 5.3 | 7.75 | 9.00 | 14.4 | 8.53 | 0.509 | <0.100 | <0.100 | 0.043 |
| GD 7 | 2/14/2023 | 23.4 | 7.17 | 10.96 | 11.5 | 20.30 | 0.610 | 0.399 | 0.106 | <0.0300 |
| GD 7 | 5/25/2023 | 4.5 | 8.04 | 9.24 | 24.6 | 9.60 | 0.447 | 0.0646 | 0.0386 | 0.0270 |
| GD 7 | 8/7/2023 | 3.2 | 7.42 | 6.16 | 29.8 | 6.53 | 0.399 | <0.100 | 0.0711 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.22 - HISTORICAL ANALYTICAL DATA - GD 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 9 | 2/6/2014 | 33.6 | 7.20 | 11.27 | 5.50 | 14.0 | 0.60 | 0.40 | 0.12 | 0.063 |
| GD 9 | 6/26/2014 | 45.0 | 8.22 | 6.08 | NS | 34.0 | 0.41 | <0.100 | 0.12 | 0.029 |
| GD 9 | 9/30/2014 | 12.4 | 8.30 | 6.93 | 24.61 | 15.0 | 0.30 | <0.100 | <0.100 | <0.025 |
| GD 9 | 11/19/2014 | 22.8 | 8.13 | 9.38 | 9.30 | 15.0 | 0.74 | 0.16 | 0.25 | 0.082 |
| GD 9 | 3/23/2015 | 25.0 | 8.16 | 7.58 | 15.80 | 18.0 | 0.64 | 0.15 | <0.100 | <0.025 |
| GD 9 | 4/22/2015 | 18.0 | 7.58 | 5.58 | 20.70 | 14.0 | 0.65 | 0.15 | <0.100 | <0.025 |
| GD 9 | 9/30/2015 | 9.6 | 7.93 | 5.37 | 25.70 | 10.8 | 0.64 | <0.100 | <0.100 | <0.025 |
| GD 9 | 11/19/2015 | 40.0 | 7.67 | NS | 16.50 | 16.7 | <0.250 | 0.254 | 0.116 | 0.096 |
| GD 9 | 3/15/2016 | 14.8 | 8.49 | 7.66 | 17.30 | 12.1 | <0.250 | 0.33 | <0.100 | 0.044 |
| GD 9 | 6/29/2016 | 43.7 | 8.20 | 1.76 | 29.77 | 67.2 | 0.65 | <0.100 | <0.100 | <0.025 |
| GD 9 | 8/9/2016 | 11.0 | 8.07 | 4.14 | 29.00 | 9.4 | 0.468 | <0.100 | <0.100 | <0.025 |
| GD 9 | 12/7/2016 | 26.0 | 7.99 | 8.01 | 11.99 | 38.3 | 0.378 | <0.100 | 0.13 | <0.025 |
| GD 9 | 3/2/2017 | 10.7 | 7.70 | 4.26 | 13.60 | 11.2 | 0.673 | 0.269 | <0.100 | <0.025 |
| GD 9 | 6/29/2017 | 15.8 | 8.37 | 5.85 | 26.4 | 15.7 | 0.722 | <0.100 | <0.100 | <0.025 |
| GD 9 | 8/16/2017 | 11.3 | 7.82 | 5.52 | 29.60 | 18.2 | 0.384 | <0.100 | <0.100 | <0.025 |
| GD 9 | 10/25/2017 | 18.9 | 7.50 | 6.68 | 18.9 | 29.7 | 0.375 | <0.100 | <0.100 | 0.025 |
| GD 9 | 3/28/2018 | 10.2 | 8.21 | 9.75 | 15.8 | 12.4 | <0.250 | 0.230 | <0.100 | <0.025 |
| GD 9 | 6/29/2018 | 11.0 | 7.73 | 5.45 | 27.6 | 13.9 | 0.507 | <0.100 | <0.100 | <0.025 |
| GD 9 | 8/2/2018 | 13.0 | 7.55 | 5.17 | 26.0 | 20.8 | 0.600 | 0.110 | <0.100 | 0.067 |
| GD 9 | 12/10/2018 | 26.4 | 7.90 | 11.05 | 7.9 | 22.8 | 0.442 | 0.292 | 0.244 | 0.047 |
| GD 9 | 4/15/2019 | 221.5 | 7.51 | 8.09 | 20.0 | 178 | <0.250 | 0.194 | <0.100 | 0.034 |
| GD 9 | 6/12/2019 | 7.3 | 7.21 | 8.61 | 27.0 | 29.0 | <0.250 | 0.116 | <0.100 | <0.025 |
| GD 9 | 8/27/2019 | 76.5 | 7.81 | 8.22 | 28.8 | 9.3 | 0.385 | <0.100 | 0.146 | <0.025 |
| GD 9 | 10/29/2019 | 22.3 | 7.35 | 8.91 | 17.9 | 15.0 | 0.491 | <0.100 | <0.100 | <0.025 |

## TABLE B.22 - HISTORICAL ANALYTICAL DATA - GD 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 9 | 3/30/2020 | 18.3 | 7.56 | 8.54 | 18.4 | 16.4 | <0.250 | 0.243 | 0.121 | <0.025 |
| GD 9 | 6/16/2020 | 11.4 | 8.15 | 7.94 | 27.1 | 11.5 | 0.352 | <0.100 | <0.100 | <0.030 |
| GD 9 | 9/21/2020 | 11.6 | 7.38 | 6.41 | 23.3 | 9.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 9 | 12/17/2020 | 12.33 | 7.71 | 10.62 | 9.7 | 13.1 | 0.261 | 0.336 | <0.100 | <0.030 |
| GD 9 | 3/18/2021 | 1.70 | 7.24 | 8.83 | 15.5 | 18.6 | 0.576 | 0.189 | <0.100 | <0.030 |
| GD 9 | 5/5/2021 | 23.76 | 7.68 | 7.08 | 21.0 | 29.0 | 0.564 | 0.176 | <0.100 | 0.036 |
| GD 9 | 9/2/2021 | 13.46 | 7.73 | 6.29 | 27.9 | 25.8 | 0.311 | <0.100 | <0.100 | <0.030 |
| GD 9 | 11/23/2021 | 39.41 | 7.84 | 10.71 | 13.9 | 33.9 | <0.250 | 0.113 | 0.124 | <0.0300 |
| GD 9 | 1/11/2022 | 271.50 | 7.42 | 11.43 | 10.4 | 13.3 | 0.760 | 0.360 | <0.10 | <0.030 |
| GD 9 | 4/7/2022 | 14.0 | 7.60 | 8.79 | 18.2 | 15.1 | 0.306 | 0.236 | 0.124 | <0.0300 |
| GD 9 | 8/2/2022 | 10.40 | 7.89 | 6.62 | 29.1 | 7.4 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 9 | 11/16/2022 | 4.52 | 7.81 | 9.41 | 14.1 | 5.7 | 0.399 | <0.100 | <0.100 | <0.0300 |
| GD 9 | 2/14/2023 | 16.10 | 7.17 | 11.09 | 11.6 | 12.6 | 0.484 | 0.362 | <0.100 | <0.0300 |
| GD 9 | 5/25/2023 | 5.9 | 8.02 | 9.61 | 24.9 | 12.4 | 0.492 | <0.0500 | 0.0537 | 0.0160 |
| GD 9 | 8/7/2023 | 7.2 | 7.46 | 6.50 | 29.8 | 9.40 | 0.483 | <0.100 | 0.0864 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.23 - HISTORICAL ANALYTICAL DATA - GD 8
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 8 | 3/12/2013 | 6.6 | 7.65 | 11.73 | 9.85 | 4.5 | 0.25 | 0.13 | <0.100 | <0.025 |
| GD 8 | 5/8/2013 | 18.7 | 6.71 | 1.72 | 14.47 | 19.0 | 0.38 | 0.11 | <0.100 | <0.025 |
| GD 8 | 9/23/2013 | 17.8 | 6.22 | 3.98 | 22.74 | 9.6 | 0.41 | <0.100 | <0.100 | <0.025 |
| GD 8 | 12/10/2013 | 30.7 | 6.04 | 13.33 | 8.10 | 32.0 | 0.35 | 0.28 | <0.100 | 0.040 |
| GD 8 | 2/6/2014 | 15.5 | 3.87 | 16.32 | 6.48 | 13.0 | 0.13 | 0.25 | <0.100 | <0.025 |
| GD 8 | 6/26/2014 | 30.8 | 8.19 | 6.64 | 26.15 | 7.3 | 0.48 | 0.25 | <0.100 | <0.025 |
| GD 8 | 9/30/2014 | 11.9 | 7.32 | 5.06 | 23.19 | 6.0 | 0.42 | 0.14 | <0.100 | <0.025 |
| GD 8 | 11/19/2014 | 25.3 | 5.16 | 9.01 | 5.87 | 13.0 | 0.32 | 0.23 | <0.100 | <0.025 |
| GD 8 | 3/23/2015 | 10.6 | 8.67 | 9.76 | 14.8 | 4.8 | <0.25 | 0.22 | <0.100 | <0.025 |
| GD 8 | 4/22/2015 | 20.2 | 7.40 | 11.71 | 17.70 | 15.0 | <0.25 | 0.16 | <0.100 | <0.025 |
| GD 8 | 9/30/2015 | 9.0 | 7.79 | 9.48 | 24.33 | 6.8 | 0.483 | 0.184 | <0.100 | <0.025 |
| GD 8 | 11/19/2015 | 212 | 6.94 | 23.30 | 15.13 | 79.6 | 0.852 | 0.233 | 0.101 | <0.025 |
| GD 8 | 3/15/2016 | 11.4 | 7.88 | 16.81 | 16.98 | 8.3 | 0.470 | 0.131 | <0.100 | <0.025 |
| GD 8 | 6/29/2016 | 32.5 | 8.50 | 6.60 | 29.3 | 39.8 | 0.450 | <0.100 | <0.100 | <0.025 |
| GD 8 | 8/9/2016 | 12.7 | 8.90 | 5.87 | 28.9 | 6.3 | 0.668 | 0.217 | <0.100 | <0.025 |
| GD 8 | 12/7/2016 | 10.1 | 7.75 | 8.84 | 12.1 | 7.0 | 0.409 | 0.308 | <0.100 | <0.025 |
| GD 8 | 3/2/2017 | 19.7 | 8.14 | 9.76 | 12.2 | 3.6 | 0.342 | 0.284 | <0.100 | <0.025 |
| GD 8 | 6/21/2017 | 7.9 | 8.73 | 6.50 | 25.0 | 7.0 | 0.642 | <0.100 | <0.100 | <0.025 |
| GD 8 | 8/17/2017 | 6.8 | 8.55 | 6.30 | 28.7 | 8.9 | 0.541 | 0.132 | <0.100 | <0.025 |
| GD 8 | 10/26/2017 | 6.1 | 8.17 | 8.25 | 16.3 | 4.0 | 0.347 | <0.100 | <0.100 | <0.025 |
| GD 8 | 3/27/2018 | 8.9 | 8.09 | 9.52 | 12.1 | 6.5 | <0.25 | 0.215 | <0.100 | <0.025 |
| GD 8 | 6/26/2018 | 5.8 | 8.50 | 5.74 | 29.7 | 5.8 | 0.670 | 0.150 | <0.100 | <0.025 |
| GD 8 | 8/1/2018 | 45.8 | 6.89 | 7.39 | 22.9 | 53.2 | 0.641 | 0.556 | 0.114 | 0.072 |
| GD 8 | 12/11/2018 | 16.0 | 7.87 | 11.71 | 9.2 | 24.4 | 0.406 | 0.326 | <0.100 | <0.025 |

## TABLE B.23 - HISTORICAL ANALYTICAL DATA - GD 8
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 8 | 4/17/2019 | 6.7 | 8.05 | 9.30 | 17.6 | <5.00 | 0.437 | 0.115 | <0.100 | <0.025 |
| GD 8 | 6/11/2019 | 9.4 | 7.19 | 2.94 | 25.8 | 4.1 | 0.948 | 0.181 | <0.100 | <0.025 |
| GD 8 | 8/28/2019 | 14.2 | 8.26 | 6.07 | 30.2 | 11.8 | 0.992 | 0.212 | <0.100 | <0.025 |
| GD 8 | 10/28/2019 | 29.6 | 7.83 | 8.22 | 16.2 | 12.9 | 0.255 | 0.435 | 0.109 | <0.025 |
| GD 8 | 3/31/2020 | 19.3 | 7.97 | 9.30 | 16.6 | 18.0 | 0.348 | 0.133 | 0.132 | <0.025 |
| GD 8 | 6/10/2020 | 10.8 | 7.97 | 7.13 | 24.9 | 8.0 | <0.25 | 0.211 | <0.100 | <0.030 |
| GD 8 | 9/21/2020 | NS | 8.19 | 6.36 | 22.8 | 7.4 | 0.290 | 0.171 | <0.100 | <0.030 |
| GD 8 | 12/17/2020 | 17.5 | 8.30 | 11.68 | 9.4 | 11.5 | <0.25 | 0.273 | <0.100 | <0.030 |
| GD 8 | 3/18/2021 | 117.0 | 8.15 | 11.53 | 16.5 | 102.0 | 0.312 | 0.178 | <0.100 | <0.030 |
| GD 8 | 5/5/2021 | 3.7 | 8.01 | 9.62 | 18.5 | 35.7 | 0.796 | 7.03 | <0.100 | <0.030 |
| GD 8 | 9/2/2021 | EF | EF | 8.04 | 24.5 | 18.3 | 0.611 | 0.241 | <0.100 | <0.030 |
| GD 8 | 11/23/2021 | <1.0 | 8.04 | 10.73 | 12.5 | 2.7 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 8 | 1/10/2022 | 18.9 | 7.60 | 12.25 | 9.2 | 20.8 | 0.277 | 0.222 | 0.122 | <0.0300 |
| GD 8 | 4/7/2022 | 8.2 | 7.87 | 9.94 | 16.8 | 10.9 | 0.349 | 0.120 | <0.100 | <0.0300 |
| GD 8 | 8/3/2022 | 14.4 | 8.14 | 6.97 | 29.0 | 12.1 | 0.406 | 0.189 | <0.100 | <0.0300 |
| GD 8 | 11/16/2022 | 5.2 | 8.21 | 9.74 | 12.2 | 4.2 | 0.472 | 0.107 | <0.100 | 0.033 |
| GD 8 | 2/13/2023 | 15.0 | 7.39 | 11.81 | 11.1 | 16.5 | 0.316 | 0.237 | <0.100 | <0.0300 |
| GD 8 | 5/24/2023 | 14.7 | 8.35 | 8.19 | 21.1 | 10.3 | 0.516 | 0.253 | 0.0462 | <0.0140 |
| GD 8 | 8/7/2023 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.24 - HISTORICAL ANALYTICAL DATA - CO 15
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 15 | 3/12/2013 | 32 | 7.41 | 8.91 | 14.40 | 9.0 | 0.53 | <0.10 | <0.100 | 0.097 |
| CO 15 | 5/8/2013 | 27 | 7.51 | 8.04 | 18.10 | 11.0 | 0.59 | 0.10 | <0.100 | <0.12 |
| CO 15 | 9/23/2013 | 13 | 7.09 | 4.01 | 27.18 | 11.0 | 0.34 | <0.10 | <0.100 | 0.027 |
| CO 15 | 12/10/2013 | 42 | 6.09 | 11.25 | 9.83 | 13.0 | 0.56 | 0.18 | <0.100 | 0.068 |
| CO 15 | 2/6/2014 | 32 | 4.22 | 16.10 | 6.28 | 12.0 | 0.46 | 0.21 | <0.100 | <0.025 |
| CO 15 | 6/26/2014 | 105 | 8.16 | 7.00 | 25.55 | 46.0 | 0.59 | <0.100 | <0.100 | 0.140 |
| CO 15 | 9/30/2014 | 8 | 7.88 | 6.67 | 23.28 | 8.6 | <0.25 | <0.100 | <0.100 | <0.025 |
| CO 15 | 11/19/2014 | 44 | 7.38 | 3.68 | 9.43 | 12.0 | 0.32 | 0.20 | <0.100 | 0.030 |
| CO 15 | 3/23/2015 | 56 | 7.85 | 9.53 | 18.50 | 19.0 | 0.61 | 0.14 | <0.100 | 0.067 |
| CO 15 | 4/22/2015 | 26 | 7.62 | 10.14 | 21.90 | 11.0 | 0.40 | 0.14 | <0.100 | <0.025 |
| CO 15 | 9/30/2015 | 15 | 7.68 | 12.73 | 22.88 | 11.8 | 0.75 | <0.100 | <0.100 | <0.025 |
| CO 15 | 11/19/2015 | 50 | 7.30 | 19.45 | 16.98 | 17.5 | 0.42 | 0.24 | 0.183 | 0.042 |
| CO 15 | 3/15/2016 | 29 | 7.66 | 12.39 | 19.83 | 12.4 | 0.78 | <0.100 | <0.100 | <0.025 |
| CO 15 | 6/29/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 15 | 8/9/2016 | 38 | 8.03 | 6.78 | 29.6 | 22.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| CO 15 | 12/7/2016 | 13.6 | 7.50 | 9.78 | 12.1 | 14.8 | 0.67 | <0.100 | <0.100 | <0.025 |
| CO 15 | 3/2/2017 | 38.2 | 7.77 | 8.32 | 16.0 | 17.4 | 0.52 | 0.15 | <0.100 | <0.025 |
| CO 15 | 6/21/2017 | 6.4 | 7.56 | 5.12 | 26.7 | 18.3 | 0.97 | <0.100 | <0.100 | <0.025 |
| CO 15 | 8/17/2017 | 21.7 | 8.29 | 6.47 | 30.1 | 12.4 | 0.69 | <0.100 | <0.100 | <0.025 |
| CO 15 | 10/26/2017 | 10.8 | 4.43 | 8.24 | 13.6 | 6.4 | 0.39 | <0.100 | <0.100 | <0.025 |
| CO 15 | 3/27/2018 | 14.5 | 7.87 | 9.33 | 12.1 | 8.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| CO 15 | 6/26/2018 | 13.8 | 7.87 | 7.33 | 26.5 | 12.4 | 0.573 | <0.100 | 0.270 | <0.025 |
| CO 15 | 8/1/2018 | 58.8 | 7.25 | 7.12 | 23.0 | 71.5 | 0.852 | <0.100 | 0.122 | 0.040 |
| CO 15 | 12/11/2018 | 111.3 | 8.73 | 11.94 | 7.0 | 10.1 | 1.16 | 0.168 | 0.107 | <0.025 |

## TABLE B.24 - HISTORICAL ANALYTICAL DATA - CO 15
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 15 | 4/17/2019 | 17.0 | 7.80 | 9.17 | 19.1 | 11.5 | 0.574 | 0.144 | <0.100 | <0.025 |
| CO 15 | 6/11/2019 | 21.9 | 6.56 | 3.10 | 22.8 | 9.8 | 1.00 | <0.100 | <0.100 | <0.025 |
| CO 15 | 8/28/2019 | 70.8 | 8.07 | 7.52 | 25.7 | 20.4 | 1.54 | 0.166 | 0.130 | 0.026 |
| CO 15 | 10/28/2019 | 30.7 | 7.31 | 9.63 | 15.0 | 10.2 | 0.61 | 0.120 | <0.100 | <0.025 |
| CO 15 | 3/31/2020 | 61.8 | 6.46 | 9.25 | 15.7 | 72.4 | 0.625 | 0.102 | 0.158 | 0.0320 |
| CO 15 | 6/10/2020 | 18.7 | 6.24 | 6.22 | 25.0 | 10.4 | 0.456 | 0.148 | <0.100 | <0.030 |
| CO 15 | 9/21/2020 | NS | 7.31 | 8.18 | 17.9 | 5.6 | <0.250 | <0.100 | <0.100 | <0.030 |
| CO 15 | 12/17/2020 | 2.8 | 8.98 | 10.87 | 10.0 | 15.6 | 0.685 | 0.161 | <0.100 | <0.030 |
| CO 15 | 3/18/2021 | 63.1 | 8.46 | 15.75 | 19.8 | 26.0 | 0.554 | 0.193 | <0.100 | <0.030 |
| CO 15 | 5/5/2021 | 3.8 | 7.47 | 9.06 | 19.3 | 10.9 | 1.17 | 7.78 | 0.200 | <0.030 |
| CO 15 | 9/2/2021 | EF | EF | 7.81 | 24.3 | 13.8 | 0.926 | <0.100 | <0.100 | <0.030 |
| CO 15 | 11/23/2021 | 2.0 | 7.87 | 10.67 | 15.2 | 25.9 | 0.270 | <0.100 | <0.100 | <0.030 |
| CO 15 | 1/10/2022 | 24.3 | 7.90 | 11.64 | 9.8 | 9.6 | <2.50 | 0.196 | <0.100 | <0.0300 |
| CO 15 | 4/7/2022 | 16.5 | 7.48 | 9.75 | 17.3 | 11.7 | 0.853 | <0.100 | <0.100 | 0.0710 |
| CO 15 | 8/3/2022 | 12.8 | 8.15 | 7.92 | 27.0 | 4.2 | 0.424 | 0.131 | <0.100 | <0.0300 |
| CO 15 | 11/16/2022 | 9.5 | 7.38 | 10.50 | 11.2 | 10.7 | 0.424 | <0.100 | <0.100 | <0.0300 |
| CO 15 | 2/13/2023 | 21.8 | 7.15 | 11.46 | 10.2 | 7.5 | 0.717 | 0.242 | <0.100 | <0.0300 |
| CO 15 | 5/24/2023 | 24.0 | 7.57 | 9.11 | 20.6 | 15.6 | 0.477 | 0.121 | 0.0461 | 0.0240 |
| CO 15 | 8/7/2023 | 12.6 | 7.54 | 8.05 | 26.1 | 13.9 | 0.589 | <0.100 | 0.0719 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

DRY - outfall was dry

EF - meter malfunctioned in field

## TABLE B.25 - HISTORICAL ANALYTICAL DATA - SME 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 2 | 3/12/2013 | 6.0 | 7.12 | 9.28 | 14.17 | 8.1 | 0.47 | 0.28 | <0.100 | 0.032 |
| SME 2 | 5/8/2013 | 26.2 | 7.67 | 6.46 | 21.40 | 21.0 | 0.92 | 0.24 | <0.100 | 0.042 |
| SME 2 | 9/23/2013 | 7.3 | 6.92 | 5.51 | 26.24 | 7.1 | 0.34 | <0.100 | <0.100 | 0.039 |
| SME 2 | 12/10/2013 | 11.8 | 5.71 | 11.05 | 11.01 | 7.0 | 0.42 | 0.31 | 0.15 | 0.100 |
| SME 2 | 2/6/2014 | 19.9 | 4.21 | 14.38 | 6.13 | 14.0 | 0.59 | 0.39 | <0.100 | 0.053 |
| SME 2 | 6/26/2014 | 14.8 | 8.16 | 7.22 | 26.98 | 8.7 | 0.38 | 0.11 | <0.100 | <0.025 |
| SME 2 | 9/30/2014 | 6.0 | 7.97 | 5.33 | 26.53 | 7.4 | 0.52 | <0.100 | <0.100 | <0.025 |
| SME 2 | 11/19/2014 | 9.5 | 7.06 | 3.53 | 10.20 | 6.8 | <0.25 | 0.14 | 0.16 | 0.039 |
| SME 2 | 3/23/2015 | 11.1 | 7.96 | 9.34 | 17.60 | 10.0 | 0.45 | 0.24 | <0.100 | <0.025 |
| SME 2 | 4/22/2015 | 8.8 | 7.93 | 11.46 | 24.50 | 9.1 | 0.48 | 0.13 | <0.100 | <0.025 |
| SME 2 | 9/30/2015 | 7.4 | 7.62 | 12.67 | 25.91 | 8.7 | 0.497 | 0.10 | 0.101 | <0.025 |
| SME 2 | 11/19/2015 | 22.0 | 6.55 | 14.30 | 19.12 | 82.3 | 1.21 | 0.22 | 0.219 | 0.062 |
| SME 2 | 3/15/2016 | 8.2 | 7.86 | 13.43 | 20.73 | 6.3 | 0.486 | <0.100 | <0.100 | <0.025 |
| SME 2 | 6/29/2016 | 7.6 | 8.23 | 7.24 | 30.4 | 8.0 | 0.290 | 0.19 | <0.100 | <0.025 |
| SME 2 | 8/9/2016 | 10.3 | 8.01 | 6.58 | 30.6 | 8.2 | 0.585 | <0.100 | <0.100 | <0.025 |
| SME 2 | 12/7/2016 | 6.0 | 7.52 | 6.86 | 12.7 | 5.8 | 0.469 | <0.100 | 0.101 | <0.025 |
| SME 2 | 3/2/2017 | 11.8 | 8.03 | 8.55 | 15.2 | 11.4 | 0.720 | 0.267 | <0.100 | <0.025 |
| SME 2 | 6/21/2017 | 5.2 | 7.18 | 4.64 | 26.6 | 11.4 | 0.886 | <0.100 | <0.100 | <0.025 |
| SME 2 | 8/17/2017 | 6.5 | 7.76 | 6.43 | 30.6 | 15.3 | 0.729 | <0.100 | <0.100 | <0.025 |
| SME 2 | 10/26/2017 | 5.2 | 7.03 | 6.87 | 17.6 | 8.5 | 0.382 | <0.100 | <0.100 | <0.025 |
| SME 2 | 3/27/2018 | 11.1 | 7.44 | 8.64 | 12.9 | 17.5 | <0.25 | 0.161 | <0.100 | <0.025 |
| SME 2 | 6/26/2018 | 10.8 | 7.97 | 6.43 | 29.6 | 9.9 | 0.731 | 0.111 | <0.100 | <0.025 |
| SME 2 | 8/1/2018 | 29.6 | 7.39 | 6.46 | 23.4 | 24.8 | 0.423 | 0.371 | 0.128 | 0.099 |
| SME 2 | 12/11/2018 | 9.7 | 7.82 | 9.99 | 7.9 | 5.1 | 0.368 | 0.212 | 0.166 | <0.025 |

## TABLE B.25 - HISTORICAL ANALYTICAL DATA - SME 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 2 | 4/17/2019 | 5.0 | 7.82 | 7.80 | 20.5 | 6.0 | 0.783 | 0.105 | <0.100 | <0.025 |
| SME 2 | 6/11/2019 | 12.3 | 6.68 | 3.43 | 24.4 | 9.2 | 0.676 | <0.100 | <0.100 | <0.025 |
| SME 2 | 8/28/2019 | 6.6 | 7.83 | 6.26 | 29.2 | 5.9 | 0.452 | <0.100 | <0.100 | <0.025 |
| SME 2 | 10/28/2019 | 24.9 | 7.64 | 7.42 | 16.8 | 18.2 | 0.341 | <0.100 | 0.107 | <0.025 |
| SME 2 | 3/31/2020 | 9.5 | 7.02 | 7.31 | 18.2 | 10.2 | 0.521 | <0.100 | <0.100 | <0.025 |
| SME 2 | 6/10/2020 | 10.4 | 7.81 | 6.40 | 27.0 | 8.0 | 0.367 | 0.117 | <0.100 | <0.030 |
| SME 2 | 9/21/2020 | NS | 7.84 | 8.02 | 23.6 | 11.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| SME 2 | 12/17/2020 | 13.3 | 8.04 | 9.04 | 9.2 | 6.7 | 0.342 | 0.272 | <0.100 | 0.041 |
| SME 2 | 3/18/2021 | 27.3 | 8.20 | 12.80 | 18.4 | 13.8 | 0.528 | 0.193 | <0.100 | 0.033 |
| SME 2 | 5/5/2021 | 0.0 | 7.29 | 6.72 | 21.2 | 6.80 | 0.768 | 0.560 | <0.100 | 0.039 |
| SME 2 | 9/2/2021 | EF | EF | 6.31 | 27.5 | 11.8 | 0.562 | 0.134 | <0.100 | <0.030 |
| SME 2 | 11/23/2021 | <1.0 | 7.98 | 10.03 | 14.6 | 9.2 | <0.250 | 0.170 | <0.100 | <0.0300 |
| SME 2 | 1/10/2022 | 14.5 | 7.84 | 11.04 | 8.8 | 16.1 | 0.672 | 0.338 | 0.117 | <0.0300 |
| SME 2 | Removed from Monitoring Program April 2022 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.26 - HISTORICAL ANALYTICAL DATA - SME 8
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 8 | 12/17/2020 | 0.30 | 7.72 | 11.22 | 9.10 | 25.9 | <0.25 | 0.312 | <0.100 | <0.030 |
| SME 8 | 3/18/2021 | 48.8 | 8.17 | 9.47 | 18.0 | 17.7 | 0.460 | 0.183 | <0.100 | <0.030 |
| SME 8 | 5/5/2021 | 3.3 | 7.11 | 9.39 | 18.5 | 60.3 | 0.366 | 0.597 | 0.118 | <0.030 |
| SME 8 | 9/2/2021 | EF | EF | 7.87 | 25.9 | 39.2 | 0.269 | 0.150 | <0.100 | <0.030 |
| SME 8 | 1/10/2022 | 9.5 | 7.42 | 11.82 | 9.2 | 33.5 | 0.832 | 0.328 | <0.100 | <0.0300 |
| SME 8 | Removed from Monitoring Program April 2022 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.27 - HISTORICAL ANALYTICAL DATA - GD 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 3 | 3/13/2013 | 11.6 | 8.00 | 9.28 | 10.70 | 11.0 | 0.44 | 0.29 | <0.100 | 0.028 |
| GD 3 | 5/20/2013 | 11.7 | 8.09 | 7.01 | 23.40 | 13.0 | 0.63 | 0.15 | <0.100 | 0.026 |
| GD 3 | 9/23/2013 | 12.4 | 7.80 | 6.50 | 26.40 | 10.0 | 0.58 | <0.100 | <0.100 | 0.025 |
| GD 3 | 12/10/2013 | 45.7 | 7.85 | 9.23 | 9.30 | 23.0 | 0.64 | 0.21 | 0.14 | 0.085 |
| GD 3 | 2/6/2014 | 90.2 | 7.13 | 10.58 | 6.10 | 27.0 | 0.68 | 0.21 | 0.12 | <0.025 |
| GD 3 | 6/26/2014 | 15.0 | 8.13 | 8.00 | NS | 14.0 | 0.40 | 0.12 | <0.100 | <0.025 |
| GD 3 | 9/30/2014 | 19.5 | 8.11 | 6.69 | 25.06 | 19.0 | 0.32 | <0.100 | <0.100 | <0.025 |
| GD 3 | 11/19/2014 | 18.1 | 8.36 | 10.88 | 9.3 | 15.0 | 0.26 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/23/2015 | 13.0 | 8.32 | 7.84 | 16.5 | 10.0 | 0.34 | 0.22 | <0.100 | <0.025 |
| GD 3 | 4/22/2015 | 26.0 | 7.86 | 6.74 | 20.6 | 21.0 | 0.36 | 0.18 | <0.100 | 0.079 |
| GD 3 | 9/30/2015 | 10.0 | 7.94 | 4.91 | 24.9 | 11.5 | 0.74 | 0.103 | 0.126 | <0.025 |
| GD 3 | 11/19/2015 | 40.0 | 7.61 | 7.74 | 16.0 | 22.0 | <0.250 | 0.250 | 0.101 | <0.025 |
| GD 3 | 3/15/2016 | 25.5 | 8.04 | 8.62 | 18.7 | 11.7 | <0.250 | 0.420 | <0.100 | 0.071 |
| GD 3 | 6/29/2016 | 6.0 | 7.84 | 2.78 | 29.94 | 10.7 | <0.250 | <0.100 | <0.100 | 0.088 |
| GD 3 | 8/9/2016 | 8.3 | 7.98 | 5.09 | 30.01 | 10.0 | 0.393 | <0.100 | <0.100 | <0.025 |
| GD 3 | 12/7/2016 | 5.9 | 7.91 | 10.55 | 12.0 | 8.1 | 0.356 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/2/2017 | 14.0 | 8.21 | 5.01 | 14.35 | 15.6 | 0.649 | 0.237 | 0.135 | <0.025 |
| GD 3 | 7/5/2017 | 11.2 | 7.48 | 6.23 | 27.3 | 14.4 | 0.560 | <0.100 | <0.100 | <0.025 |
| GD 3 | 8/16/2017 | 7.4 | 8.01 | 6.24 | 28.8 | 8.5 | 0.387 | <0.100 | <0.100 | <0.025 |
| GD 3 | 10/25/2017 | 8.9 | 7.54 | 7.25 | 19.1 | 13.6 | 0.390 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/28/2018 | 9.1 | 8.06 | 9.34 | 16.6 | 10.8 | <0.250 | 0.241 | <0.100 | <0.025 |
| GD 3 | 6/29/2018 | 12.9 | 7.68 | 5.63 | 27.3 | 12.7 | 0.511 | <0.100 | <0.100 | <0.025 |
| GD 3 | 8/2/2018 | 13.4 | 7.69 | 5.72 | 26.6 | 20.8 | 0.569 | <0.100 | <0.100 | <0.025 |
| GD 3 | 12/10/2018 | 41.4 | 7.40 | 11.09 | 6.8 | 31.3 | 0.519 | <0.100 | 0.128 | <0.025 |

## TABLE B.27 - HISTORICAL ANALYTICAL DATA - GD 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 3 | 4/15/2019 | 15.3 | 7.71 | 8.02 | 19.9 | 14.7 | <0.250 | 0.233 | <0.100 | <0.025 |
| GD 3 | 6/12/2019 | 9.6 | 7.24 | 8.31 | 27.3 | 13.0 | <0.250 | <0.100 | <0.100 | <0.025 |
| GD 3 | 8/27/2019 | 202.8 | 7.18 | 8.33 | 28.8 | 6.5 | 0.434 | <0.100 | 0.159 | <0.025 |
| GD 3 | 10/29/2019 | 26.2 | 7.84 | 9.63 | 17.2 | 13.0 | 0.453 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/30/2020 | 17.4 | 7.58 | 8.83 | 18.8 | 18.0 | 0.281 | 0.216 | <0.100 | <0.025 |
| GD 3 | 6/16/2020 | 11.6 | 8.03 | 8.20 | 27.5 | 9.5 | 0.363 | <0.100 | <0.100 | <0.030 |
| GD 3 | 9/21/2020 | 13.5 | 7.51 | 6.73 | 23.4 | 9.8 | <0.250 | <0.100 | 0.106 | <0.030 |
| | Removed from Monitoring Program September 2020 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.28 - HISTORICAL ANALYTICAL DATA - CO 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 14 | 3/12/2013 | 8.2 | 6.88 | 9.65 | 12.92 | 3.5 | 0.42 | 0.32 | <0.100 | <0.025 |
| CO 14 | 5/8/2013 | 13.0 | 6.61 | 3.02 | 16.37 | 6.7 | 0.74 | 0.34 | <0.100 | <0.12 |
| CO 14 | 9/23/2013 | 15.0 | 6.70 | 3.78 | 22.58 | 9.6 | 0.30 | <0.100 | <0.100 | 0.036 |
| CO 14 | 12/10/2013 | 14.4 | 5.82 | 11.15 | 9.37 | 9.7 | 0.55 | 0.11 | <0.100 | 0.027 |
| CO 14 | 2/6/2014 | 13.7 | 4.02 | 16.69 | 5.08 | 9.1 | 0.41 | 0.58 | <0.100 | <0.025 |
| CO 14 | 6/26/2014 | 19.7 | 8.25 | 8.19 | 22.33 | 9.0 | 0.86 | 0.34 | <0.100 | <0.025 |
| CO 14 | 9/30/2014 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 11/19/2014 | 9.84 | 6.70 | 3.86 | 7.90 | 2.8 | 0.26 | <0.100 | <0.100 | <0.025 |
| CO 14 | 3/23/2015 | 18.9 | 6.85 | 8.78 | 17.20 | 10.0 | 0.67 | 0.25 | <0.100 | <0.025 |
| CO 14 | 4/22/2015 | 13.8 | 6.23 | 11.19 | 18.00 | 8.6 | 0.60 | 0.49 | <0.100 | <0.025 |
| CO 14 | 9/30/2015 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 11/19/2015 | 24.30 | 6.64 | 16.06 | 15.25 | 5.9 | 1.27 | <0.100 | <0.100 | <0.025 |
| CO 14 | 3/15/2016 | 15.80 | 6.33 | 13.05 | 16.42 | 9.7 | 0.713 | 0.468 | <0.100 | <0.025 |
| CO 14 | 6/29/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 8/9/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 12/7/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 3/2/2017 | 19 | 6.34 | 8.58 | 13.60 | 5.2 | 0.601 | 0.106 | <0.100 | <0.025 |
| CO 14 | 6/21/2017 | 9.0 | 6.57 | 6.49 | 22.9 | 19.0 | 0.758 | <0.100 | <0.100 | <0.025 |
| CO 14 | 8/17/2017 | 13.8 | 7.83 | 6.22 | 28.0 | 50.6 | 0.851 | <0.100 | <0.100 | <0.025 |
| CO 14 | 10/26/2017 | 8.1 | 6.43 | 8.40 | 14.2 | 4.7 | 0.440 | <0.100 | <0.100 | <0.025 |
| CO 14 | 3/27/2018 | 8.2 | 7.63 | 9.45 | 11.4 | 9.5 | <0.25 | 0.601 | <0.100 | <0.025 |
| CO 14 | 6/26/2018 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| CO 14 | 8/1/2018 | 40.2 | 6.99 | 7.42 | 22.1 | 28.3 | 0.764 | <0.100 | <0.100 | <0.025 |
| CO 14 | 12/11/2018 | 7.6 | 7.38 | 10.74 | 7.7 | 4.9 | 0.567 | 0.184 | <0.100 | <0.025 |

## TABLE B.28 - HISTORICAL ANALYTICAL DATA - CO 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 14 | 4/17/2019 | 9.3 | 7.91 | 8.99 | 19.0 | 9.4 | 2.96 | 0.460 | <0.100 | <0.025 |
| CO 14 | 6/11/2019 | 17.5 | 7.07 | 3.56 | 22.4 | 5.6 | 0.773 | <0.100 | 0.14 | <0.025 |
| CO 14 | 8/28/2019 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 10/28/2019 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 3/31/2020 | 77.6 | 7.84 | 9.07 | 15.0 | 106 | 0.532 | 0.402 | <0.100 | <0.025 |
| CO 14 | 6/10/2020 | 13.8 | 7.64 | 7.20 | 24.4 | 5.6 | 0.482 | 0.244 | <0.100 | <0.030 |
| CO 14 | 9/21/2020 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | Removed from Monitoring Program September 2020 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

DRY - outfall was dry

EF - meter malfunctioned in field

# Appendix III – Laboratory Reports

Laboratory Report No. L1808571, dated December 12, 2024

Laboratory Report No. L1808740, dated December 12, 2024

# ANALYTICAL REPORT

December 20, 2024



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1808571 |
| Samples Received: | 12/12/2024 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | LAND |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## SME 7 L1808571-01 WW

Collected by: PC | Collected date/time: 12/11/24 12:10 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 20:56 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417943 | 1 | 12/12/24 18:55 | 12/12/24 18:55 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2419970 | 1 | 12/18/24 20:09 | 12/18/24 23:12 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:44 | 12/12/24 16:44 | SDE | Mt. Juliet, TN |

## SME 9 L1808571-02 WW

Collected by: PC | Collected date/time: 12/11/24 12:50 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 20:57 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417943 | 1 | 12/12/24 18:56 | 12/12/24 18:56 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2419970 | 1 | 12/18/24 20:09 | 12/18/24 23:13 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:44 | 12/12/24 16:44 | SDE | Mt. Juliet, TN |

## SME 10 L1808571-03 WW

Collected by: PC | Collected date/time: 12/11/24 13:00 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 20:58 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 21:40 | 12/12/24 21:40 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/18/24 23:52 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:46 | 12/12/24 16:46 | SDE | Mt. Juliet, TN |

## SS 13 L1808571-04 WW

Collected by: PC | Collected date/time: 12/11/24 11:10 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 21:00 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 21:44 | 12/12/24 21:44 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/18/24 23:56 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:47 | 12/12/24 16:47 | SDE | Mt. Juliet, TN |

## SS 14 L1808571-05 WW

Collected by: PC | Collected date/time: 12/11/24 11:20 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 21:01 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 21:45 | 12/12/24 21:45 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/18/24 23:57 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:47 | 12/12/24 16:47 | SDE | Mt. Juliet, TN |

## GD 12 L1808571-06 WW

Collected by: PC | Collected date/time: 12/11/24 11:35 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 21:02 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 21:46 | 12/12/24 21:46 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/18/24 23:58 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:50 | 12/12/24 16:50 | SDE | Mt. Juliet, TN |

## RC 2 L1808571-07 WW

Collected by: PC | Collected date/time: 12/11/24 10:45 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 21:03 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 21:48 | 12/12/24 21:48 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/19/24 00:00 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:51 | 12/12/24 16:51 | SDE | Mt. Juliet, TN |

## AT 5 L1808571-08 WW

Collected by: PC | Collected date/time: 12/11/24 10:25 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418811 | 1 | 12/14/24 09:51 | 12/16/24 16:16 | DLS | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419353 | 1 | 12/16/24 07:39 | 12/16/24 21:07 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 21:53 | 12/12/24 21:53 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/19/24 00:01 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2417694 | 1 | 12/12/24 16:51 | 12/12/24 16:51 | SDE | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 8.78 | | 0.345 | 3.05 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.293 | | 0.131 | 0.250 | 1 | 12/16/2024 20:56 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 1.06 | | 0.0435 | 0.200 | 1 | 12/12/2024 18:55 | WG2417943 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.538 | | 0.00373 | 0.100 | 1 | 12/18/2024 23:12 | WG2419970 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.788 | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:44 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 6.49 | | 0.300 | 2.65 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.454 | | 0.131 | 0.250 | 1 | 12/16/2024 20:57 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.123 | J | 0.0435 | 0.200 | 1 | 12/12/2024 18:56 | WG2417943 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0221 | J | 0.00373 | 0.100 | 1 | 12/18/2024 23:13 | WG2419970 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:44 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 7.40 | | 0.283 | 2.50 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.698 | | 0.131 | 0.250 | 1 | 12/16/2024 20:58 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.163 | J | 0.0435 | 0.200 | 1 | 12/12/2024 21:40 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0593 | B J | 0.00373 | 0.100 | 1 | 12/18/2024 23:52 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:46 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 7.45 | | 0.515 | 4.55 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 1.25 | | 0.131 | 0.250 | 1 | 12/16/2024 21:00 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.322 | | 0.0435 | 0.200 | 1 | 12/12/2024 21:44 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.159 | | 0.00373 | 0.100 | 1 | 12/18/2024 23:56 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0840 | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:47 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 9.86 | | 0.410 | 3.63 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.696 | | 0.131 | 0.250 | 1 | 12/16/2024 21:01 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.496 | | 0.0435 | 0.200 | 1 | 12/12/2024 21:45 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.222 | | 0.00373 | 0.100 | 1 | 12/18/2024 23:57 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.155 | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:47 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 7.07 | | 0.376 | 3.33 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.702 | | 0.131 | 0.250 | 1 | 12/16/2024 21:02 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.205 | | 0.0435 | 0.200 | 1 | 12/12/2024 21:46 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0884 | B J | 0.00373 | 0.100 | 1 | 12/18/2024 23:58 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0410 | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:50 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 18.2 | | 0.566 | 5.00 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.559 | | 0.131 | 0.250 | 1 | 12/16/2024 21:03 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.248 | | 0.0435 | 0.200 | 1 | 12/12/2024 21:48 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0826 | B J | 0.00373 | 0.100 | 1 | 12/19/2024 00:00 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:51 | WG2417694 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 7.79 | | 0.297 | 2.63 | 1 | 12/16/2024 16:16 | WG2418811 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.526 | | 0.131 | 0.250 | 1 | 12/16/2024 21:07 | WG2419353 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 1.07 | | 0.0435 | 0.200 | 1 | 12/12/2024 21:53 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.549 | | 0.00373 | 0.100 | 1 | 12/19/2024 00:01 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.499 | | 0.0196 | 0.0300 | 1 | 12/12/2024 16:51 | WG2417694 |

## Method Blank (MB)

(MB) R4158707-1 12/16/24 16:16

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 0.283 | 2.50 |

## L1808488-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808488-01 12/16/24 16:16 • (DUP) R4158707-3 12/16/24 16:16

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 98.4 | 100 | 1 | 1.94 | | 10 |

## L1808611-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808611-01 12/16/24 16:16 • (DUP) R4158707-4 12/16/24 16:16

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 385 | 388 | 1 | 0.763 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4158707-2 12/16/24 16:16

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 868 | 112 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1808571-01,02,03,04,05,06,07,08

## Method Blank (MB)

(MB) R4158453-1 12/16/24 20:37

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.131 | 0.250 |

## L1808543-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1808543-04 12/16/24 20:43 • (DUP) R4158453-5 12/16/24 20:44

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.521 | 0.432 | 1 | 18.7 | | 20 |

## L1808543-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1808543-05 12/16/24 20:46 • (DUP) R4158453-6 12/16/24 20:47

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.607 | 0.579 | 1 | 4.72 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4158453-2 12/16/24 20:38

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 9.65 | 9.43 | 97.7 | 90.0-110 | |

## L1808543-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808543-03 12/16/24 20:39 • (MS) R4158453-3 12/16/24 20:40 • (MSD) R4158453-4 12/16/24 20:42

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.582 | 6.79 | 6.68 | 124 | 122 | 1 | 90.0-110 | J5 | J5 | 1.63 | 20 |

## L1808551-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808551-01 12/16/24 20:52 • (MS) R4158453-7 12/16/24 20:53

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 6.21 | 11.1 | 97.8 | 1 | 90.0-110 | |

## Method Blank (MB)

(MB) R4157386-1 12/12/24 18:15

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0435 | 0.200 |

## L1808465-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808465-01 12/12/24 18:18 • (DUP) R4157386-3 12/12/24 18:19

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.226 | 0.232 | 1 | 2.62 | | 20 |

## L1808480-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808480-01 12/12/24 18:24 • (DUP) R4157386-6 12/12/24 18:25

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.328 | 0.330 | 1 | 0.608 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4157386-2 12/12/24 18:17

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.44 | 97.6 | 90.0-110 | |

## L1808465-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808465-01 12/12/24 18:18 • (MS) R4157386-4 12/12/24 18:20 • (MSD) R4157386-5 12/12/24 18:22

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.226 | 2.69 | 2.66 | 98.6 | 97.4 | 1 | 90.0-110 | | | 1.12 | 20 |

## L1808480-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808480-01 12/12/24 18:24 • (MS) R4157386-7 12/12/24 18:31

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.328 | 2.79 | 98.5 | 1 | 90.0-110 | |

# QUALITY CONTROL SUMMARY

L1808571-03,04,05,06,07,08

## Method Blank (MB)

(MB) R4157388-1 12/12/24 21:37

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0435 | 0.200 |

## L1808571-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1808571-03 12/12/24 21:40 • (DUP) R4157388-3 12/12/24 21:41

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.163 | 0.164 | 1 | 0.612 | J | 20 |

## L1808619-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808619-01 12/12/24 21:58 • (DUP) R4157388-5 12/12/24 21:59

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 3.33 | 3.34 | 1 | 0.300 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4157388-2 12/12/24 21:39

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.37 | 94.8 | 90.0-110 | |

## L1808571-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808571-03 12/12/24 21:40 • (MS) R4157388-4 12/12/24 21:42

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.163 | 2.66 | 99.9 | 1 | 90.0-110 | |

## L1808619-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808619-01 12/12/24 21:58 • (MS) R4157388-6 12/12/24 22:00 • (MSD) R4157388-7 12/12/24 22:02

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 3.33 | 5.69 | 5.72 | 94.4 | 95.6 | 1 | 90.0-110 | E | E | 0.526 | 20 |

## Method Blank (MB)

(MB) R4159551-1 12/18/24 23:03

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | U | | 0.00373 | 0.100 |

## L1809098-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1809098-01 12/18/24 23:19 • (DUP) R4159551-5 12/18/24 23:21

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 1.21 | 1.21 | 1 | 0.000 | | 20 |

## L1809114-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1809114-01 12/18/24 23:30 • (DUP) R4159551-6 12/18/24 23:33

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | U | 0.0106 | 1 | 200 | J P1 | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4159551-2 12/18/24 23:04

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 4.26 | 99.1 | 85.0-115 | |

## L1807972-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1807972-01 12/18/24 23:05 • (MS) R4159551-3 12/18/24 23:07 • (MSD) R4159551-4 12/18/24 23:08

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.208 | 2.74 | 2.71 | 101 | 100 | 1 | 90.0-110 | | | 1.10 | 20 |

## Method Blank (MB)

(MB) R4159566-1 12/18/24 23:49

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.00994 | J | 0.00373 | 0.100 |

## L1808604-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808604-01 12/19/24 00:05 • (DUP) R4159566-5 12/19/24 00:06

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.536 | 0.546 | 1 | 1.85 | | 20 |

## L1808604-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1808604-02 12/19/24 00:07 • (DUP) R4159566-6 12/19/24 00:09

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.541 | 0.540 | 1 | 0.185 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4159566-2 12/18/24 23:51

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 4.18 | 97.2 | 85.0-115 | |

## L1808571-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808571-03 12/18/24 23:52 • (MS) R4159566-3 12/18/24 23:53 • (MSD) R4159566-4 12/18/24 23:55

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0593 | 2.60 | 2.46 | 102 | 96.0 | 1 | 90.0-110 | | | 5.53 | 20 |

# QUALITY CONTROL SUMMARY

L1808571-01,02,03,04,05,06,07,08

## Method Blank (MB)

(MB) R4157285-1 12/12/24 16:29

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 |

## L1808571-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1808571-05 12/12/24 16:47 • (DUP) R4157285-5 12/12/24 16:50

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.155 | 0.159 | 1 | 2.55 | | 20 |

## L1808604-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1808604-02 12/12/24 16:52 • (DUP) R4157285-6 12/12/24 16:53

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.451 | 0.427 | 1 | 5.47 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4157285-2 12/12/24 16:29

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.229 | 93.7 | 85.0-115 | |

## L1808571-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808571-02 12/12/24 16:44 • (MS) R4157285-3 12/12/24 16:44 • (MSD) R4157285-4 12/12/24 16:46

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | U | 0.478 | 0.479 | 95.6 | 95.8 | 1 | 80.0-120 | | | 0.209 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

360 D Quality Circle NW
Suite 450
Huntsville. AL 35806

Billing Information:
**Accounts Payable**
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
**Ms. Sarah Yeldell**

Email To: **syeldell@smeinc.com**

Project Description:
**Etowah MS4**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project #
**23820129**

Lab Project #
**QOREHAL-ETOWAHMS4**

Collected by (print):

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Site/Facility ID #
**LAND**

P.O. #

Quote #

***Rush?*** (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Pres Chk

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ME 7 | G | WW | 6" | 12-11-24 | 12:10 | 4 | X | X | X | X | | 01 |
| ME 9 | G | WW | 6" | 12-11-24 | 12:50 | 4 | X | X | X | X | | 02 |
| ME 10 | G | WW | 6" | 12-11-24 | 13:00 | 4 | X | X | X | X | | 03 |
| S 13 | G | WW | 6" | 12-11-24 | 11:10 | 4 | X | X | X | X | | 04 |
| S 14 | G | WW | 6" | 12-11-24 | 11:20 | 4 | X | X | X | X | | 05 |
| D 12 | G | WW | 6" | 12-11-24 | 11:35 | 4 | X | X | X | X | | 06 |
| C 2 | G | WW | 6" | 12-11-24 | 10:45 | 4 | X | X | X | X | | 07 |
| T 5 | G | WW | 6" | 12-11-24 | 10:25 | 4 | X | X | X | X | | 08 |
| ~~ME 12~~ | G | WW | 6" | 12-11-24 | | 4 | X | X | X | X | | |

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1808571
G157

Acctnum: **QOREHAL**
Template: **T238641**
Prelogin: **P1099376**
PM: **034 - Craig Cothron**
PB: KT 9/10/24
Shipped Via: **FedEX Ground**

Matrix:
S - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

**Remarks:**

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR |
|---|---|---|---|---|
| | 12-11-24 | 14:00 | | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 32 |
| | | | | If pre Time |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 12/12/24 Time: 900 |

PH – 10BDH0941
TRC – 2352362

Hold: Condition: NCF / OK

L#_____

| Fed Ex tracking # | Gun ID | Temperature |
|---|---|---|
| 7464 0847 8870 | TLF9 | 2.0+0=2.0 |
| 7464 0847 9258 | TLF9 | 0.5+0=0.5 |
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| | | |

_____ _____

Name Date

# ANALYTICAL REPORT

December 20, 2024



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1808740 |
| Samples Received: | 12/12/2024 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | BOAT |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## HB 3 L1808740-01 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 10:30 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:42 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 22:14 | 12/12/24 22:14 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/19/24 00:24 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:52 | 12/13/24 09:52 | JAR | Mt. Juliet, TN |

## SME 4 L1808740-02 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 10:40 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:45 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 22:16 | 12/12/24 22:16 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/19/24 00:25 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:52 | 12/13/24 09:52 | JAR | Mt. Juliet, TN |

## GD 5 L1808740-03 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 10:57 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:46 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 22:17 | 12/12/24 22:17 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421382 | 1 | 12/18/24 20:03 | 12/19/24 00:26 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:52 | 12/13/24 09:52 | JAR | Mt. Juliet, TN |

## SME 3 L1808740-04 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 11:10 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:47 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2417945 | 1 | 12/12/24 22:18 | 12/12/24 22:18 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:47 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:53 | 12/13/24 09:53 | JAR | Mt. Juliet, TN |

## SME 1 L1808740-05 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 11:25 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:49 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2418104 | 1 | 12/12/24 22:36 | 12/12/24 22:36 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:50 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:53 | 12/13/24 09:53 | JAR | Mt. Juliet, TN |

## SS5 L1808740-06 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 12:20 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:50 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2418104 | 1 | 12/12/24 22:41 | 12/12/24 22:41 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:51 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:53 | 12/13/24 09:53 | JAR | Mt. Juliet, TN |

## SME 5 L1808740-07 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 12:30 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:51 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2418104 | 1 | 12/12/24 22:49 | 12/12/24 22:49 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:53 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:54 | 12/13/24 09:54 | JAR | Mt. Juliet, TN |

## SME 6 L1808740-08 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 13:15 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:53 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2418104 | 1 | 12/12/24 22:50 | 12/12/24 22:50 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:56 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:54 | 12/13/24 09:54 | JAR | Mt. Juliet, TN |

## RC 14 L1808740-09 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 13:30 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:54 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2418104 | 1 | 12/12/24 22:51 | 12/12/24 22:51 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:58 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:54 | 12/13/24 09:54 | JAR | Mt. Juliet, TN |

## DUPLICATE L1808740-10 WW

Collected by: Nathanael Wade | Collected date/time: 12/11/24 10:45 | Received date/time: 12/12/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2418813 | 1 | 12/14/24 09:53 | 12/17/24 13:06 | AMG | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2419354 | 1 | 12/16/24 07:41 | 12/16/24 21:58 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2418104 | 1 | 12/12/24 22:52 | 12/12/24 22:52 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2421571 | 1 | 12/19/24 10:26 | 12/19/24 15:59 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2418044 | 1 | 12/13/24 09:55 | 12/13/24 09:55 | JAR | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 30.0 | | 0.942 | 8.33 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.352 | P1 | 0.131 | 0.250 | 1 | 12/16/2024 21:42 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.202 | | 0.0435 | 0.200 | 1 | 12/12/2024 22:14 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.452 | | 0.00373 | 0.100 | 1 | 12/19/2024 00:24 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:52 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 11.6 | | 0.566 | 5.00 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.305 | | 0.131 | 0.250 | 1 | 12/16/2024 21:45 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.202 | | 0.0435 | 0.200 | 1 | 12/12/2024 22:16 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0652 | B J | 0.00373 | 0.100 | 1 | 12/19/2024 00:25 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:52 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 20.3 | | 0.764 | 6.75 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.285 | | 0.131 | 0.250 | 1 | 12/16/2024 21:46 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.139 | J | 0.0435 | 0.200 | 1 | 12/12/2024 22:17 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0823 | B J | 0.00373 | 0.100 | 1 | 12/19/2024 00:26 | WG2421382 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:52 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 111 | | 2.36 | 20.8 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.411 | | 0.131 | 0.250 | 1 | 12/16/2024 21:47 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.146 | J | 0.0435 | 0.200 | 1 | 12/12/2024 22:18 | WG2417945 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0238 | J P1 | 0.00373 | 0.100 | 1 | 12/19/2024 15:47 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:53 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 19.4 | | 0.809 | 7.15 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.334 | | 0.131 | 0.250 | 1 | 12/16/2024 21:49 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.327 | | 0.0435 | 0.200 | 1 | 12/12/2024 22:36 | WG2418104 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.282 | | 0.00373 | 0.100 | 1 | 12/19/2024 15:50 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:53 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 23.3 | | 0.942 | 8.33 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.451 | | 0.131 | 0.250 | 1 | 12/16/2024 21:50 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.162 | J | 0.0435 | 0.200 | 1 | 12/12/2024 22:41 | WG2418104 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0407 | J | 0.00373 | 0.100 | 1 | 12/19/2024 15:51 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.150 | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:53 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 8.80 | | 0.566 | 5.00 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.407 | | 0.131 | 0.250 | 1 | 12/16/2024 21:51 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.213 | | 0.0435 | 0.200 | 1 | 12/12/2024 22:49 | WG2418104 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0348 | J | 0.00373 | 0.100 | 1 | 12/19/2024 15:53 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:54 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 103 | | 1.77 | 15.6 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.326 | | 0.131 | 0.250 | 1 | 12/16/2024 21:53 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.179 | J | 0.0435 | 0.200 | 1 | 12/12/2024 22:50 | WG2418104 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0250 | J | 0.00373 | 0.100 | 1 | 12/19/2024 15:56 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:54 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 65.6 | | 1.13 | 10.0 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.561 | | 0.131 | 0.250 | 1 | 12/16/2024 21:54 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.315 | | 0.0435 | 0.200 | 1 | 12/12/2024 22:51 | WG2418104 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.108 | | 0.00373 | 0.100 | 1 | 12/19/2024 15:58 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0790 | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:54 | WG2418044 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 22.5 | | 0.787 | 6.95 | 1 | 12/17/2024 13:06 | WG2418813 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.309 | | 0.131 | 0.250 | 1 | 12/16/2024 21:58 | WG2419354 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.199 | J | 0.0435 | 0.200 | 1 | 12/12/2024 22:52 | WG2418104 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0639 | J | 0.00373 | 0.100 | 1 | 12/19/2024 15:59 | WG2421571 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 12/13/2024 09:55 | WG2418044 |

## Method Blank (MB)

(MB) R4159192-1 12/17/24 13:06

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---|---|---|---|---|
| | mg/l | | mg/l | mg/l |
| Suspended Solids | U | | 0.283 | 2.50 |

## L1808630-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1808630-02 12/17/24 13:06 • (DUP) R4159192-3 12/17/24 13:06

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---|---|---|---|---|---|---|
| | mg/l | mg/l | | % | | % |
| Suspended Solids | 3600 | 3600 | 1 | 0.000 | | 10 |

## L1808740-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1808740-04 12/17/24 13:06 • (DUP) R4159192-4 12/17/24 13:06

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---|---|---|---|---|---|---|
| | mg/l | mg/l | | % | | % |
| Suspended Solids | 111 | 110 | 1 | 0.752 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4159192-2 12/17/24 13:06

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---|---|---|---|---|---|
| | mg/l | mg/l | % | % | |
| Suspended Solids | 773 | 864 | 112 | 85.0-115 | |

# QUALITY CONTROL SUMMARY

L1808740-01,02,03,04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4158468-1 12/16/24 21:27

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.131 | 0.250 |

## L1808619-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1808619-04 12/16/24 21:33 • (DUP) R4158468-5 12/16/24 21:35

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | U | 1 | 0.000 | | 20 |

## L1808740-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808740-01 12/16/24 21:42 • (DUP) R4158468-6 12/16/24 21:44

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.352 | 0.508 | 1 | 36.3 | P1 | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4158468-2 12/16/24 21:28

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 9.65 | 9.50 | 98.4 | 90.0-110 | |

## L1808619-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808619-03 12/16/24 21:30 • (MS) R4158468-3 12/16/24 21:31 • (MSD) R4158468-4 12/16/24 21:32

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 0.135 | 6.46 | 6.05 | 127 | 118 | 1 | 90.0-110 | J5 | J5 | 6.55 | 20 |

## L1808798-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808798-01 12/16/24 22:01 • (MS) R4158468-7 12/16/24 22:03

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 16.5 | 20.0 | 70.0 | 1 | 90.0-110 | E J6 |

## Method Blank (MB)

(MB) R4157388-1 12/12/24 21:37

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0435 | 0.200 |

## L1808571-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1808571-03 12/12/24 21:40 • (DUP) R4157388-3 12/12/24 21:41

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.163 | 0.164 | 1 | 0.612 | J | 20 |

## L1808619-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808619-01 12/12/24 21:58 • (DUP) R4157388-5 12/12/24 21:59

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 3.33 | 3.34 | 1 | 0.300 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4157388-2 12/12/24 21:39

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.37 | 94.8 | 90.0-110 | |

## L1808571-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808571-03 12/12/24 21:40 • (MS) R4157388-4 12/12/24 21:42

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.163 | 2.66 | 99.9 | 1 | 90.0-110 | |

## L1808619-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808619-01 12/12/24 21:58 • (MS) R4157388-6 12/12/24 22:00 • (MSD) R4157388-7 12/12/24 22:02

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 3.33 | 5.69 | 5.72 | 94.4 | 95.6 | 1 | 90.0-110 | E | E | 0.526 | 20 |

# QUALITY CONTROL SUMMARY

L1808740-05,06,07,08,09,10

## Method Blank (MB)

(MB) R4157389-1 12/12/24 22:33

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0435 | 0.200 |

## L1808740-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1808740-05 12/12/24 22:36 • (DUP) R4157389-3 12/12/24 22:37

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.327 | 0.328 | 1 | 0.305 | | 20 |

## L1808740-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1808740-06 12/12/24 22:41 • (DUP) R4157389-6 12/12/24 22:42

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.162 | 0.157 | 1 | 3.13 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4157389-2 12/12/24 22:35

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.48 | 99.2 | 90.0-110 | |

## L1808740-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808740-05 12/12/24 22:36 • (MS) R4157389-4 12/12/24 22:38 • (MSD) R4157389-5 12/12/24 22:40

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.327 | 2.71 | 2.70 | 95.3 | 94.9 | 1 | 90.0-110 | | | 0.370 | 20 |

## L1808740-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808740-06 12/12/24 22:41 • (MS) R4157389-7 12/12/24 22:43

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.162 | 2.60 | 97.5 | 1 | 90.0-110 | |

## Method Blank (MB)

(MB) R4159566-1 12/18/24 23:49

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.00994 | J | 0.00373 | 0.100 |

## L1808604-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808604-01 12/19/24 00:05 • (DUP) R4159566-5 12/19/24 00:06

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.536 | 0.546 | 1 | 1.85 | | 20 |

## L1808604-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1808604-02 12/19/24 00:07 • (DUP) R4159566-6 12/19/24 00:09

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.541 | 0.540 | 1 | 0.185 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4159566-2 12/18/24 23:51

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 4.18 | 97.2 | 85.0-115 | |

## L1808571-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808571-03 12/18/24 23:52 • (MS) R4159566-3 12/18/24 23:53 • (MSD) R4159566-4 12/18/24 23:55

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.0593 | 2.60 | 2.46 | 102 | 96.0 | 1 | 90.0-110 | | | 5.53 | 20 |

# QUALITY CONTROL SUMMARY

L1808740-04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4159925-1 12/19/24 15:41

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | U | | 0.00373 | 0.100 |

## L1808740-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1808740-04 12/19/24 15:47 • (DUP) R4159925-5 12/19/24 15:49

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0238 | 0.0893 | 1 | 116 | J P1 | 20 |

## L1808773-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1808773-01 12/19/24 16:00 • (DUP) R4159925-6 12/19/24 16:01

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 4.28 | 4.48 | 1 | 4.57 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4159925-2 12/19/24 15:42

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 4.02 | 93.5 | 85.0-115 | |

## L1808037-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808037-07 12/19/24 15:44 • (MS) R4159925-3 12/19/24 15:45 • (MSD) R4159925-4 12/19/24 15:46

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | U | 2.72 | 2.67 | 109 | 107 | 1 | 90.0-110 | | | 1.86 | 20 |

# QUALITY CONTROL SUMMARY

L1808740-01,02,03,04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4157440-1 12/13/24 09:47

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 |

## L1808619-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1808619-02 12/13/24 09:48 • (DUP) R4157440-5 12/13/24 09:48

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | U | 1 | 0.000 | | 20 |

## L1808740-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1808740-10 12/13/24 09:55 • (DUP) R4157440-6 12/13/24 09:55

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | U | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4157440-2 12/13/24 09:47

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.239 | 97.8 | 85.0-115 | |

## L1808619-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808619-01 12/13/24 09:47 • (MS) R4157440-3 12/13/24 09:47 • (MSD) R4157440-4 12/13/24 09:48

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | U | 0.550 | 0.549 | 110 | 110 | 1 | 80.0-120 | | | 0.182 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
**Ms. Sarah Yeldell**

Billing Information:
**Accounts Payable**
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Email To: **syeldell@smeinc.com**

Project Description:
**Etowah MS4**

City/State Collected: Gadsden, AL

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project # **23820129**

Lab Project # **QOREHAL-ETOWAHMS4**

Collected by (print): Nathaniel Hoda

Site/Facility ID # **BOAT**

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y ✓

**Rush?** (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1808740
G168

Acctnum: **QOREHAL**
Template: **T238643**
Prelogin: **P1099377**
PM: **034 - Craig Cothron**
PB: KT 9/10/24
Shipped Via: **FedEX Ground**

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | Pres Chk | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B 3 | G | WW | -5 | 12/11/24 | 1030 | 4 | | X | X | X | X | | | | | | | | 01 |
| ME 4 | | WW | | | 1040 | 4 | | X | X | X | X | | | | | | | | 02 |
| D 5 | | WW | | | 1057 | 4 | | X | X | X | X | | | | | | | | 03 |
| ME 3 | | WW | | | 1110 | 4 | | X | X | X | X | | | | | | | | 04 |
| ME 1 | | WW | | | 1125 | 4 | | X | X | X | X | | | | | | | | 05 |
| S5 | | WW | | | 1220 | 4 | | X | X | X | X | | | | | | | | 06 |
| ME 5 | | WW | | | 1230 | 4 | | X | X | X | X | | | | | | | | 07 |
| ME 6 | | WW | | | 1315 | 4 | | X | X | X | X | | | | | | | | 08 |
| C 14 | | WW | | | 1330 | 4 | | X | X | X | X | | | | | | | | 09 |
| ~~ME 11~~ Duplicate2 | | WW | | | 1045 | 4 | | X | X | X | X | | | | | | | | 10 |

Matrix:
S - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

**Remarks:**

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR |
|---|---|---|---|---|
| Nathaniel Hoda | 12/11/24 | 1430 | | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 40 |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 12/12/24 Time: 900 |

If pres ___ Time

PH – 10BDH0941
TRC – 2352362

Hold:

Condition: NCF / OK

L#_____

| Fed Ex tracking # | Gun ID | Temperature |
|---|---|---|
| 7469 0847 9270 | TLA9 | 1.1+0=1.1 |
| 4102 9171 2347 | TLA9 | 0.1+0=0.1 |
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_____ _____

Name Date

# Monitoring Report First Quarter 2025
# Gadsden, Alabama Urbanized Area
# Phase II Small MS4s
# S&ME Project No. 24820156

PREPARED FOR:

**City of Attalla**
**City of Glencoe**
**City of Hokes Bluff**
**City of Rainbow City**
**City of Southside**
**Etowah County**

PREPARED BY:

**S&ME, Inc.**
**360D Quality Circle NW, Ste 450**
**Huntsville, AL 35806**

**April 29, 2025**

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Appendix II – Tables
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# 1.0 Introduction

S&ME, Inc. has prepared this Quarterly Wet-Weather Monitoring Report on behalf of Etowah County and the cities of Attalla, Glencoe, Hokes Bluff, Rainbow City, and Southside. Our work was conducted in general accordance with the proposals issued to each entity.

## 1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the City of Attalla, City of Gadsden, City of Glencoe, City of Hokes Bluff, City of Rainbow City, City of Southside, and portions of unincorporated Etowah County as the *Gadsden, Alabama Urbanized Area*. A map outlining the approximate boundary of the *Gadsden, Alabama Urbanized Area* is included as Figure 1 in Appendix I. The regulated small municipal separate storm sewer systems (MS4s) within the urbanized area are collectively referred to as the Gadsden-Etowah MS4s.

The Alabama Department of Environmental Management (ADEM) reissued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems with an effective date of October 1, 2021. Permit numbers for each entity are provided in Table 1-1.

**Table 1-1 Permit Numbers and Responsible Officials**

| Entity | Permit Number | Name |
|---|---|---|
| City of Attalla | ALR040052 | Larry Means, Mayor |
| City of Gadsden | ALR040053 | Craig Ford, Mayor |
| City of Glencoe | ALR040054 | Chris Hare, Mayor |
| City of Hokes Bluff | ALR040055 | Scott Reeves, Mayor |
| City of Rainbow City | ALR040056 | Joe Taylor, Mayor |
| City of Southside | ALR040057 | Dana Snyder, Mayor |
| Etowah County | ALR040009 | Robert Nail, Engineer |

## 1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40 CFR 130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. In 2008, the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorus), pH, and Dissolved Oxygen. **The Gadsden-Etowah MS4s are required to achieve a 30% reduction in Total Phosphorus loading.**

In 2018, ADEM identified Big Wills Creek as being impaired. Big Wills Creek is a receiving water for portions of the Attalla MS4 and the Etowah County MS4. In 2024, the EPA approved TMDLs for Big Wills Creek related to pathogens (E. coli). **The Attalla MS4, Gadsden MS4, and the Etowah County MS4 are required to achieve a 96% reduction in E. coli loading.**

### 1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program Plan (SWMPP). Part IV.D of the NPDES General Permit requires that the SWMPP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Each entity's SWMPP requires implementation of the wet-weather monitoring program as detailed in the *Etowah Monitoring Partnership Wet-Weather Monitoring Program*, February 2025 (hereafter referred to as the 2025 Monitoring Program). The 2025 Monitoring Program was prepared to reflect the addition of the 2024 pathogens TMDL. The intent of the monitoring program is to evaluate the effectiveness of each MS4's BMPs in achieving the required reductions established in the applicable TMDLs and to generally evaluate overall water quality using a watershed approach.

On March 24, 2015, the cities of Attalla, Gadsden, Glencoe, Hokes Bluff, Rainbow City, and Southside and Etowah County entered into a Cooperative Agreement to jointly perform the quarterly monitoring. As of October 1, 2023, the City of Gadsden has elected to separate from the joint monitoring agreement and perform their own monitoring.

## 2.0 Rainfall Data

The largest loading of phosphorus to the Coosa River from the Gadsden-Etowah MS4s is expected to occur during runoff events; therefore, the 2022 Monitoring Program requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch, as measured at three rain gauges within the MS4 located a minimum of three miles apart.

From February 15, 2025 to February 16, 2025, a rain event was observed in the vicinity of the urbanized area. Table 2-1 lists the observed rain gauges, and the recorded precipitation amounts for the rain event. The locations of the weather stations are identified on Figure 2 in Appendix I.

### Table 2-1 Rainfall Data

| Gauge Name | Location | Latitude | Longitude | Precip 2/15/25 (inches) | Precip 2/16/25 (inches) | Event Total (inches) |
|---|---|---|---|---|---|---|
| KALASHVI18 | Ashville, AL | 33.88 | -86.11 | 0.04 | 0.76 | **0.80** |
| KALASHVI19 | Ashville, AL | 33.84 | -86.25 | NR | NR | NR |
| KALATTAL22 | Attala, AL | 33.99 | -86.11 | 0.08 | 0.84 | **0.92** |
| KALGADSD117 | Gadsden, AL | 34.03 | -86.07 | NR | NR | NR |
| KALGADSD122 | Gadsden, AL | 33.97 | -85.99 | NR | NR | NR |
| KALGADSD102 | Gadsden, AL | 34.04 | -85.89 | 0.07 | 0.94 | **1.01** |
| KALGADSD3 | Gadsden, AL | 34.06 | -85.99 | NR | NR | NR |
| KALGADSD76 | Gadsden, AL | 33.96 | -85.98 | 0.09 | 1.16 | **1.25** |
| KALGLENC5 | Glencoe, AL | 33.94 | -85.95 | 0.08 | 1.08 | **1.16** |
| KALGLENC7 | Glencoe, AL | 33.97 | -85.91 | 0.03 | 0.94 | **0.97** |
| KALHOKES2 | Hokes Bluff, AL | 33.99 | 85.81 | 0.07 | 1.00 | **1.07** |
| KALHOKES6 | Hokes Bluff, AL | 34.01 | -85.92 | 0.07 | 0.73 | **0.80** |
| KALRAINB17 | Rainbow City, AL | 33.93 | -86.09 | 0.06 | 0.89 | **0.95** |
| KALRAINB19 | Rainbow City, AL | 33.94 | -86.03 | 0.05 | 1.03 | **1.08** |
| KALSOUTH7 | Southside, AL | 33.89 | -86.01 | 0.05 | 1.20 | **1.25** |

NR – Not Reporting

# 3.0 Monitoring Event

On February 18, 2025, S&ME personnel mobilized to conduct storm water monitoring for the first quarter of 2025 in general accordance with Section 3 of the *Etowah Monitoring Partnership Wet-Weather Monitoring Program*, dated February 2025.

## 3.1 Monitoring Locations

The monitoring locations for the six MS4s remaining in the joint monitoring program are identified on Figure 3 in Appendix I. Coordinates for each point are listed in Table 3-1.

### Table 3-1 Monitoring Point Coordinates

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| AT 5 | 34.006446° | -86.069061° | LAND | Big Wills Creek / Little Wills Creek |
| GD 12 | 33.952567° | -86.003495° | LAND | U.T. to Neely Henry Lake |

| Outfall ID | Latitude | Longitude | Access | Waterbody Evaluated |
|---|---|---|---|---|
| RC 2 | 33.967683° | -86.039476° | LAND | Horton Creek |
| SME 10 | 33.985669° | -85.878605° | LAND | U.T. to Big Cove Creek (exiting Hokes Bluff) |
| SME 7 | 34.006225° | -86.111277° | LAND | Big Wills Creek |
| SME 9 | 34.002807° | -85.871879° | LAND | U.T. to Neely Henry Lake |
| SS 13 | 33.891352° | -86.049229° | LAND | Neely Henry Lake |
| SS 14 | 33.885921° | -86.030683° | LAND | U.T. to Neely Henry Lake |
| GD 5 | 34.014324° | -85.924013° | BOAT | Big Cove Creek / Little Cove Creek |
| HB 3 | 34.002129° | -85.882808° | BOAT | U.T. to Neely Henry Lake |
| RC 14 | 33.905786° | -86.111656° | BOAT | Rook Creek / Dry Creek |
| SME 1 | 33.990184° | -86.004048° | BOAT | Big Wills Creek / Black Creek |
| SME 3 | 34.009698° | -85.956230° | BOAT | Coal Creek |
| SME 4 | 34.001667° | -85.883342° | BOAT | Coosa River channel at north end of MS4 |
| SME 5 | 33.940514° | -86.029885° | BOAT | Coosa River channel at center of MS4 |
| SME 6 | 33.852125° | -86.049695° | BOAT | Confluence of Greens Creek and Coosa River |
| SS 5 | 33.941329° | -86.021569° | BOAT | U.T. to Coosa River |

Following evaluation of the monitoring program for the Annual Reports in May of 2020, monitoring points CO 14, SME 3, and GD 3 were removed from the monitoring program and monitoring points SME 4, SME 5, SME 6, SME 7, and SME 8 were added. The changes to the monitoring program were implemented beginning with the 2020 fourth quarter sampling event. Monitoring point SME 3 was reinstated as part of the monitoring program beginning with the 2021 third quarter sampling event.

Following evaluation of the monitoring program for the 2022 SWMPPs and 2022 Monitoring Program, monitoring points SME 2 and SME 8 were removed from the monitoring program and monitoring points SME 9 and SME 10 were added. The changes to the monitoring program were implemented beginning with the 2022 second quarter sampling event.

**Following the City of Gadsden's separation from the joint monitoring program, S&ME has discontinued monitoring at points CO 15, GD 6, GD 7, GD8, and GD9.** The changes to the monitoring program were implemented beginning with the 2023 fourth quarter sampling event and incorporated into the revised 2025 Monitoring Program. It is expected that the City of Gadsden will continue to monitor these five locations.

## 3.2 Sampling Procedures

Samples accessible by land were obtained using a stainless-steel bucket. Samples accessible by boat were obtained using a horizontal Van Dorn sampler. The bucket and Van Dorn sampler were decontaminated prior to use and in between samples.

## 3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field using a YSI Pro DSS Multi-Probe Meter:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature (land samples only)

Field parameters for the land samples were measured at the time of sample collection. Field parameters for the boat samples were measured after completion of the sampling event. Due to the delay in measurement, temperature was not recorded for the boat samples.

The recorded field observations are included in Table B.1 in Appendix II. The recorded field parameters are included in Table B.2 in Appendix II.

## 3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

### *3.4.1 Sample Containers and Preservation*

The samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed in Table 3-2.

**Table 3-2 Sample Containers and Preservation**

| Parameter | Container | Preservative | Hold Time |
|---|---|---|---|
| Total Suspended Solids (TSS) | HDPE - 1 L | NONE | 7 days |
| Total Phosphorus | HDPE - 250 mL | $H_2SO_4$ | 48 hours |
| Orthophosphate | AMB - 100 mL | NONE | 48 hours |
| Nitrate-Nitrite | HDPE - 250 mL | $H_2SO_4$ | 28 days |
| Total Kjeldahl Nitrogen (TKN) | HDPE - 250 mL | $H_2SO_4$ | 28 days |

| Parameter | Container | Preservative | Hold Time |
|---|---|---|---|
| Escherichia Coli (E. Coli) | HDPE – 100 mL | Tablet | 8 hours |

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

### *3.4.2 Quality Assurance*

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point SME 4 was collected by the boat team during the sampling event and labeled as Duplicate 1. One duplicate sample of monitoring point SME 7 was collected by the land team during the sampling event and labeled as SME 12.

### *3.4.3 Sample Shipment*

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in Appendix III.

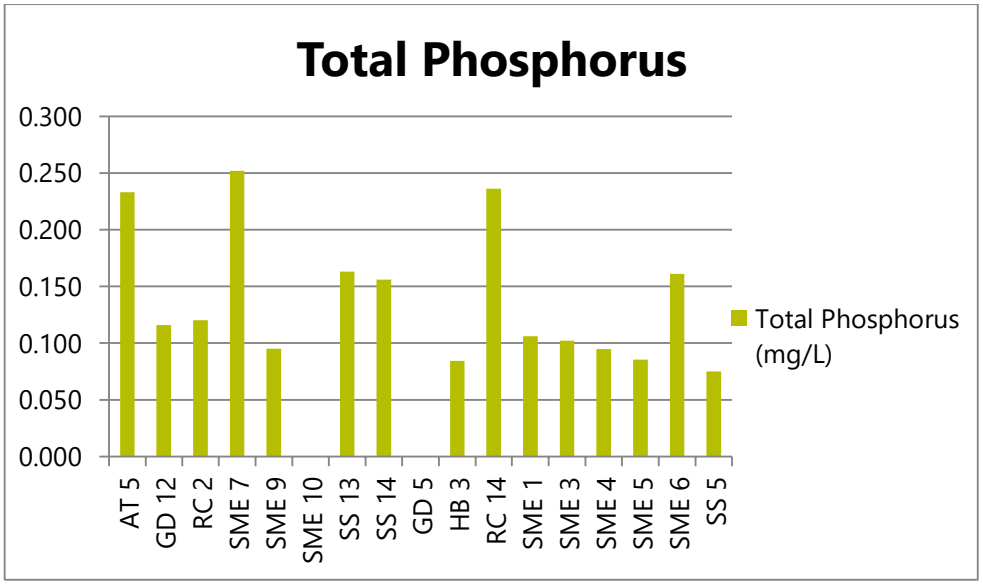
# 4.0 Analytical Results

The laboratory analytical results for the February 18, 2025 quarterly monitoring event are included in Table B.2 in Appendix II. Historical monitoring data for each of the active monitoring points is included in Appendix II as Tables B.3 to B.19. The laboratory reports and Chain of Custody are included in Appendix III.

## 4.1 Total Phosphorus

Total phosphorus was detected at 15 of 17 monitoring points evaluated during the 2025 Q1 monitoring event. As shown in Figure 4-1 below, the concentration of total phosphorus was highest at monitoring point SME 7 (0.252 mg/L), followed by point RC 14 (0.236 mg/L) and point AT 5 (0.233 mg/L). Two of the three points are located in Big Wills Creek.

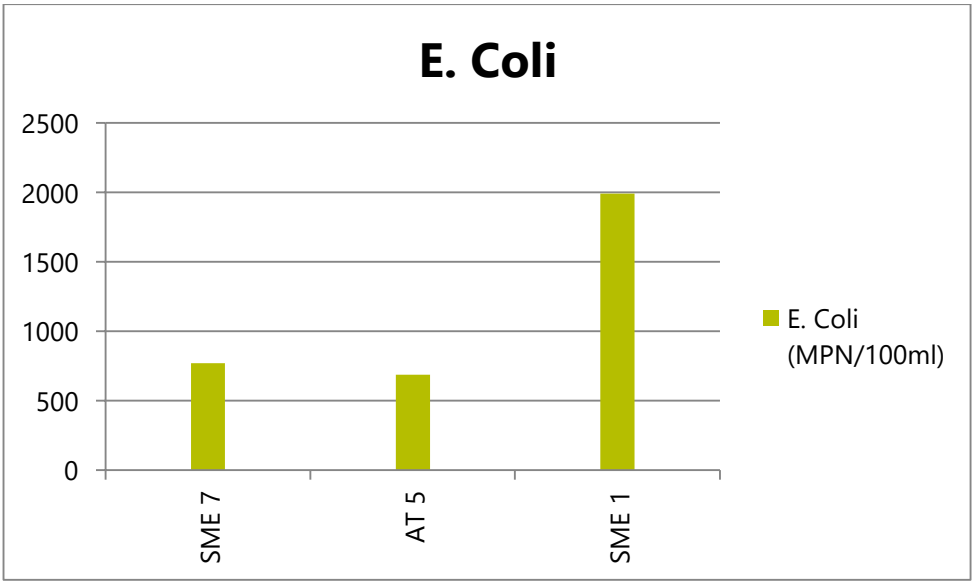
**Figure 4-1 2025 Q1 Total Phosphorus Concentrations**




## 4.2 E. Coli

E. coli was detected at all three monitoring points evaluated during the 2025 Q1 monitoring event. As shown in Figure 4-2 below, the concentration of E. coli was highest at monitoring point SME 1 (1990 MPN/100ml). The E. coli concentration at SME 7 (770 MPN/100ml) was slightly higher than the concentration observed downstream at AT 5 (687 MPN/100ml).

**Figure 4-2 2025 Q1 E. Coli Concentrations**



## 5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Report submitted by each entity. Monitoring reports will be retained by each entity for a minimum of three years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the 2025 *Etowah Monitoring Partnership Wet-Weather Monitoring Program*. Current membership of the Storm Water Steering Committee is as follows:

**Table 5-1 Storm Water Steering Committee**

| Entity | Contact | Phone No. | Email |
|---|---|---|---|
| City of Attalla | Jason Nicholson | 256-441-9200 | jnicholson@attallacity.org |
| City of Gadsden | Heath Williamson | 256-549-4520 | hwilliamson@cityofgadsden.com |
| City of Gadsden | Keener Morrow | 256-549-4524 | kmorrow@cityofgadsden.com |
| City of Glencoe | Todd Means | 256-492-1424 | toddmeans@cityofglencoe.org |
| City of Hokes Bluff | Lisa Lowman | 256-492-2414 | lisa.lowman@cityofhokesbluff.com |
| City of Rainbow City | Joel Garmon | 256-413-1230 | jgarmon@rbcalabama.com |
| City of Southside | Judd Rich | 256-442-9775 Ext. 103 | juddrich@cityofsouthside.com |
| Etowah County | Robert Nail | 256-549-5358 | rnail@etowahcounty.org |

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

## 6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

_____ _____

Signature of Responsible Official Date

_____ _____

Print Name and Title MS4 Entity

## 7.0 Acknowledgement

S&ME certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

## 8.0 Closing

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4s. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

**S&ME, Inc.**

Nathanael A. Wade, E.I.
Professional III - Engineering

Sarah L. Yeldell, P.E.
Project Manager

Senior Reviewed by Deborah J. Jones, P.E.

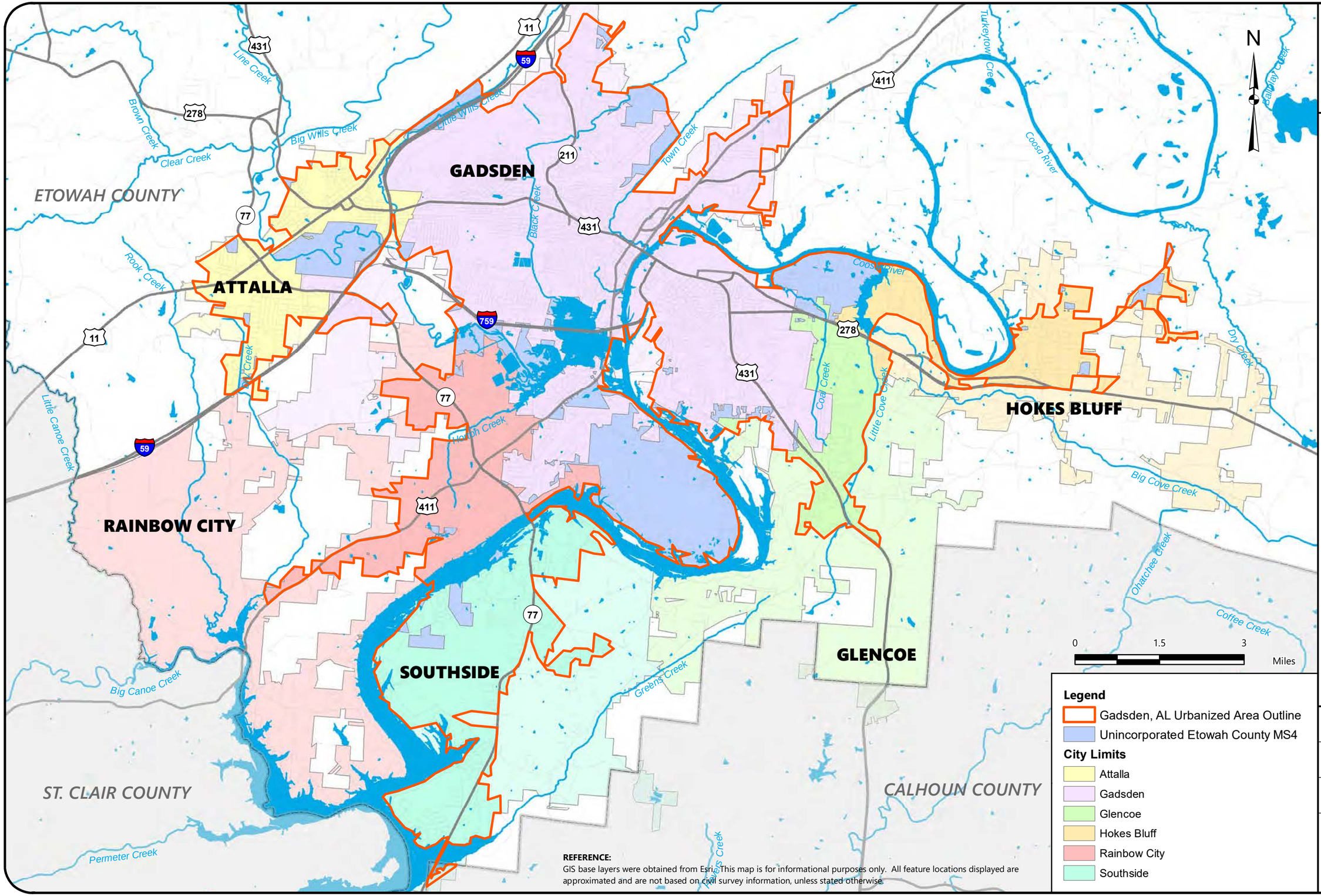
# Appendices

# Appendix I – Figures

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – Rain Gauge Location

Figure 3 – MS4 Monitoring Locations




**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

# GADSDEN-ETOWAH MS4 BOUNDARIES

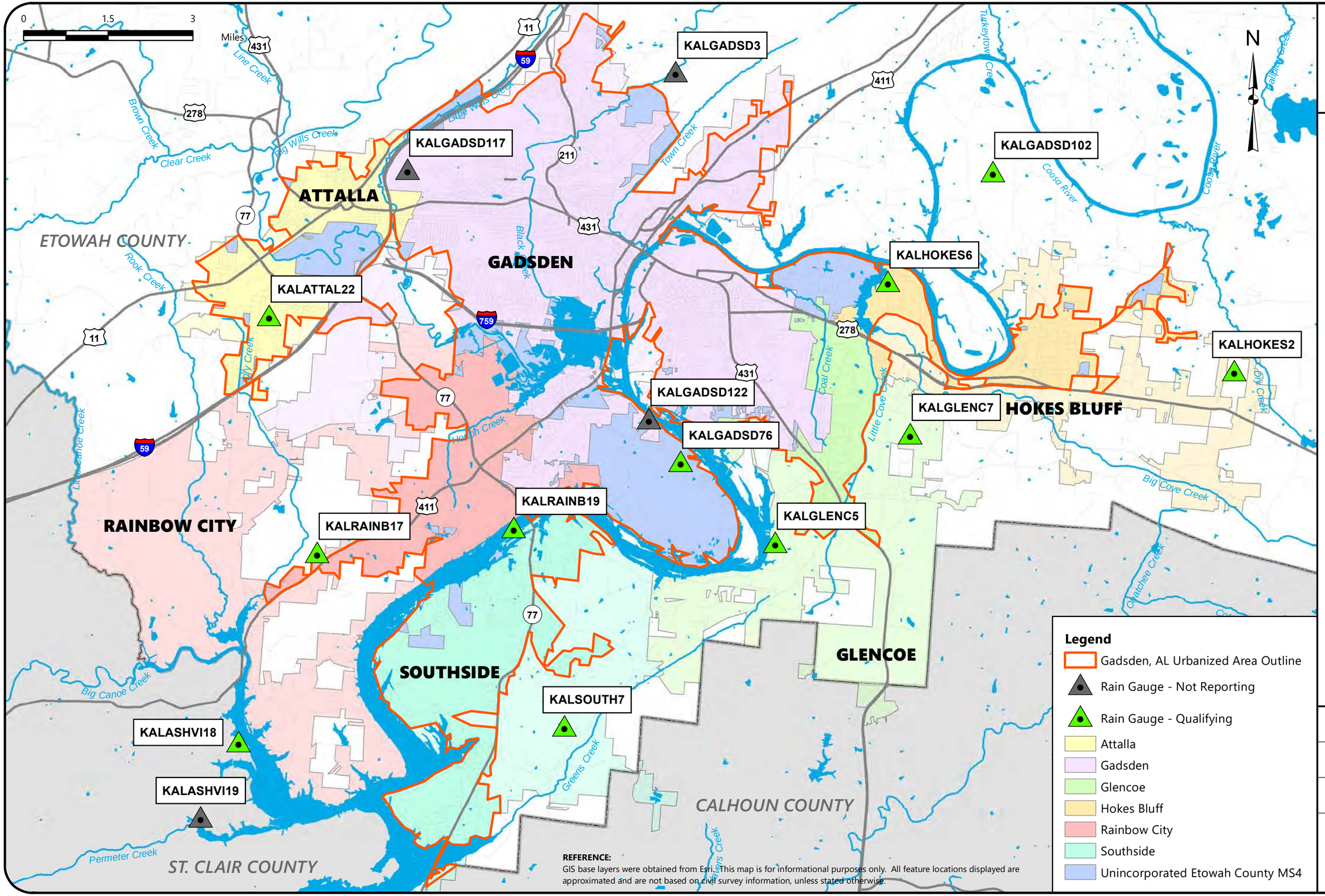
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE:
1:100,000

DATE:
12/21/2023

PROJECT NUMBER
23820129

FIGURE NO.
1




**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

**Legend**

- Gadsden, AL Urbanized Area Outline
- Rain Gauge - Not Reporting
- Rain Gauge - Qualifying
- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside
- Unincorporated Etowah County MS4

# FEBRUARY 15-16, 2025 RAIN EVENT

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009

SCALE: 1:100,000

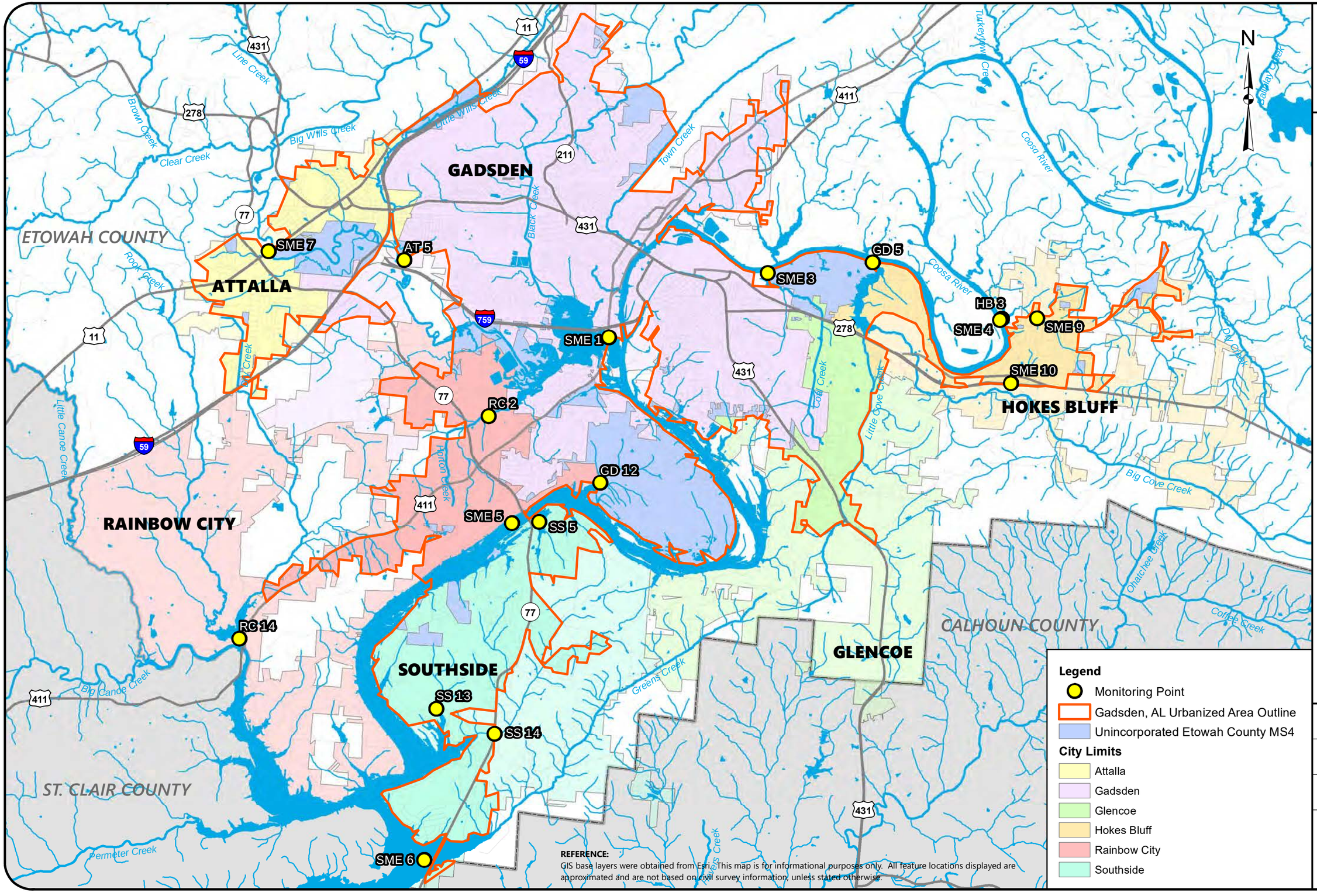
DATE: 4/9/2025

PROJECT NUMBER 23820129

FIGURE NO. 2

# WET-WEATHER MONITORING LOCATIONS

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM
NPDES GENERAL PERMIT ALR040009




**Legend**

- Monitoring Point
- Gadsden, AL Urbanized Area Outline
- Unincorporated Etowah County MS4

**City Limits**

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside

**REFERENCE:**
GIS base layers were obtained from Esri. This map is for informational purposes only. All feature locations displayed are approximated and are not based on civil survey information, unless stated otherwise.

| | |
|---|---|
| SCALE: | 1:100,000 |
| DATE: | 11/17/2023 |
| PROJECT NUMBER | 22820261 |
| FIGURE NO. | 3 |

# Appendix II – Tables

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.19 – Historical Analytical Data

## TABLE B.1 - FIELD OBSERVATIONS
## 2025 Q1 MS4 WET-WEATHER MONITORING

| Monitoring Point | Date | Time | Sample Depth (ft) | Personnel | Weather Conditions | Waterbody Conditions |
|---|---|---|---|---|---|---|
| AT 5 | 2/18/2025 | 12:45 | -0.5 | EK/GK | Sunny | Fast |
| GD 12 | 2/18/2025 | 11:55 | -0.5 | EK/GK | Sunny | Smooth |
| RC 2 | 2/18/2025 | 12:25 | -0.5 | EK/GK | Sunny | Moderate |
| SME 7 | 2/18/2025 | 13:15 | -0.5 | EK/GK | Sunny | Fast |
| SME 9 | 2/18/2025 | 10:35 | -0.5 | EK/GK | Sunny | Smooth |
| SME 10 | 2/18/2025 | 10:20 | -0.5 | EK/GK | Sunny | Smooth |
| SS 13 | 2/18/2025 | 11:25 | -0.5 | EK/GK | Sunny | Fast |
| SS 14 | 2/18/2025 | 11:35 | -0.5 | EK/GK | Sunny | Fast |
| GD 5 | 2/18/2025 | 12:36 | -5 | NW | Sunny | Slow |
| HB 3 | 2/18/2025 | 12:16 | -5 | NW | Sunny | Smooth |
| RC 14 | 2/18/2025 | 10:58 | -5 | NW | Sunny | Smooth |
| SME 1 | 2/18/2025 | 12:58 | -5 | NW | Sunny | Slow |
| SME 3 | 2/18/2025 | 12:46 | -5 | NW | Sunny | Slow |
| SME 4 | 2/18/2025 | 12:22 | -5 | NW | Sunny | Smooth |
| SME 5 | 2/18/2025 | 10:25 | -5 | NW | Sunny | Slow |
| SME 6 | 2/18/2025 | 11:13 | -5 | NW | Sunny | Smooth |
| SS 5 | 2/18/2025 | 10:16 | -5 | NW | Sunny | Smooth |

## TABLE B.2 - ANALYTICAL DATA
## 2025 Q1 MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Monitoring Point** | **Date** | **Turbidity (NTU)** | **pH** | **DO (mg/L)** | **Sample Temp (°C)** | **TSS (mg/L)** | **TKN (mg/L)** | **Nitrate-Nitrite (mg/L)** | **Total Phosphorus (mg/L)** | **Ortho-Phosphate (mg/L)** | **E. Coli (MPN/100ml)** |
| AT 5 | 2/18/2025 | 30.28 | 7.65 | 6.60 | 11.2 | 36.6 | <0.131 | 1.05 | 0.233 | 0.108 | 687 |
| *Duplicate 2 (SME 12)* | 2/18/2025 | *DUPLICATE OF AT 5* | | | | *44.5* | *<0.131* | *1.05* | *0.205* | *0.0860* | *NS* |
| GD 12 | 2/18/2025 | 13.27 | 7.84 | 6.88 | 9.3 | 4.20 | 0.497 | 0.345 | 0.116 | <0.0196 | NS |
| RC 2 | 2/18/2025 | 17.48 | 7.75 | 6.99 | 10.1 | 6.40 | 0.519 | 0.405 | 0.120 | 0.0550 | NS |
| SME 7 | 2/18/2025 | 34.33 | 7.18 | 6.46 | **11.5** | 38.8 | 0.593 | **1.09** | **0.252** | 0.0990 | 770 |
| SME 9 | 2/18/2025 | 14.08 | 7.71 | 7.00 | 8.0 | 28.5 | **0.833** | 0.106 | 0.0949 | 0.0230 | NS |
| SME 10 | 2/18/2025 | 20.74 | 7.78 | 6.59 | 9.2 | 4.60 | 0.371 | 0.327 | <0.0642 | <0.0196 | NS |
| SS 13 | 2/18/2025 | 21.84 | 7.73 | 6.26 | 9.3 | 20.0 | 0.648 | 0.493 | 0.163 | <0.0196 | NS |
| SS 14 | 2/18/2025 | 12.03 | 7.57 | 7.00 | 9.0 | 4.50 | 0.551 | 0.892 | 0.156 | 0.0540 | NS |
| GD 5 | 2/18/2025 | 46.03* | 8.16* | 5.91* | NS | 23.0 | 0.440 | 0.151 | <0.0642 | 0.0270 | NS |
| HB 3 | 2/18/2025 | 61.45* | 8.20* | 6.45* | NS | 45.7 | 0.373 | 0.349 | 0.0842 | 0.0480 | NS |
| RC 14 | 2/18/2025 | 67.52* | 7.86* | 6.12* | NS | **250** | 0.501 | 0.141 | 0.236 | 0.0220 | NS |
| SME 1 | 2/18/2025 | 37.00* | 8.03* | 6.26* | NS | 20.1 | 0.416 | 0.776 | 0.106 | 0.0850 | **1990** |
| SME 3 | 2/18/2025 | 58.35* | 8.91* | 6.15* | NS | 37.3 | 0.453 | 0.258 | 0.102 | **0.159** | NS |
| SME 4 | 2/18/2025 | 61.00* | 8.50* | 6.39* | NS | 45.1 | 0.434 | 0.368 | 0.0946 | 0.0330 | NS |
| *Duplicate 1* | 2/18/2025 | *DUPLICATE OF SME 4* | | | | *44.0* | *0.432* | *0.334* | *0.120* | 0.0320 | NS |
| SME 5 | 2/18/2025 | **77.89*** | 8.53* | 6.35* | NS | 62.8 | 0.477 | 0.351 | 0.0855 | 0.0310 | NS |
| SME 6 | 2/18/2025 | 77.34* | 8.26* | 6.30* | NS | 230 | 0.484 | 0.366 | 0.161 | 0.0320 | NS |
| SS 5 | 2/18/2025 | 17.18* | 7.89* | 6.22* | NS | 77.2 | 0.522 | 0.295 | 0.0751 | 0.0460 | NS |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
NS - Not Sampled

Bold - maximum reading for constituent
NA - not availabe at this time
* Delayed measurement.

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| AT 5 | 3/12/2013 | 15 | 7.80 | 11.04 | 12.55 | 20.0 | 0.37 | 0.61 | 0.14 | 0.150 | NS |
| AT 5 | 5/8/2013 | 25 | 5.08 | 2.59 | 14.69 | 19.0 | 0.56 | 0.31 | 0.11 | 0.099 | NS |
| AT 5 | 9/23/2013 | 21 | 5.96 | 3.95 | 22.88 | 22.0 | 0.37 | 1.30 | 0.35 | 0.400 | NS |
| AT 5 | 12/10/2013 | 68 | 5.32 | 11.43 | 8.21 | 64.0 | 0.97 | 0.79 | 0.34 | 0.290 | NS |
| AT 5 | 2/6/2014 | 40 | 4.06 | 15.29 | 7.28 | 32.0 | 0.35 | 0.80 | 0.13 | 0.130 | NS |
| AT 5 | 6/26/2014 | 70 | 7.85 | 7.61 | 23.89 | 19.0 | 0.38 | 0.77 | 0.28 | 0.340 | NS |
| AT 5 | 9/30/2014 | 15 | 5.78 | 6.63 | 21.03 | 14.0 | <0.25 | 0.94 | 0.54 | 0.490 | NS |
| AT 5 | 11/19/2014 | 47 | 5.08 | 10.23 | 6.91 | 27.0 | 0.50 | 1.30 | 0.39 | 0.410 | NS |
| AT 5 | 3/23/2015 | 17 | 8.69 | 9.39 | 14.5 | 15.0 | 0.27 | 0.71 | 0.14 | 0.130 | NS |
| AT 5 | 4/22/2015 | 53 | 6.93 | 11.13 | 18.4 | 76.0 | <0.25 | 0.69 | 0.13 | 0.110 | NS |
| AT 5 | 9/30/2015 | 15 | 6.37 | 9.45 | 21.63 | 16.4 | <0.25 | 1.82 | 0.86 | 0.664 | NS |
| AT 5 | 11/19/2015 | 934 | 7.38 | 19.33 | 14.98 | 74.6 | 1.47 | 0.67 | 0.31 | 0.261 | NS |
| AT 5 | 3/15/2016 | 30.2 | 7.93 | 20.43 | 16.86 | 26.7 | 0.772 | 0.578 | <0.100 | 0.068 | NS |
| AT 5 | 6/29/2016 | 18.1 | 7.99 | 6.57 | 25.4 | 14.5 | <0.250 | 0.800 | 0.71 | 0.598 | NS |
| AT 5 | 8/9/2016 | 17.1 | 7.89 | 6.47 | 25.8 | 18.3 | 0.268 | 0.975 | 0.502 | 0.482 | NS |
| AT 5 | 12/7/2016 | 26.5 | 7.08 | 10.19 | 11.3 | 16.9 | <0.250 | 0.663 | 0.474 | 0.450 | NS |
| AT 5 | 3/2/2017 | 50.8 | 8.14 | 8.86 | 13.4 | 44.6 | 0.529 | 1.08 | 0.373 | 0.267 | NS |
| AT 5 | 6/21/2017 | 11.7 | 7.98 | 6.74 | 23.3 | 70.0 | 0.544 | 0.616 | 0.366 | 0.226 | NS |
| AT 5 | 8/17/2017 | 9.5 | 8.09 | 6.77 | 26.0 | 12.0 | 0.690 | 0.890 | 0.283 | 0.258 | NS |
| AT 5 | 10/26/2017 | 9.8 | 7.95 | 8.25 | 15.7 | 9.4 | <0.250 | 0.936 | 0.250 | 0.226 | NS |
| AT 5 | 3/27/2018 | 14.5 | 7.79 | 9.03 | 12.9 | 15.9 | <0.250 | 0.849 | 0.148 | 0.162 | NS |
| AT 5 | 6/26/2018 | 16.4 | 8.06 | 6.89 | 25.5 | 25.2 | 0.411 | 0.849 | 0.246 | 0.230 | NS |
| AT 5 | 8/1/2018 | 77.9 | 7.33 | 7.16 | 22.3 | 107.0 | 0.680 | 0.510 | 0.401 | 0.285 | NS |
| AT 5 | 12/11/2018 | 29.2 | 7.59 | 10.73 | 9.4 | 46.2 | 0.579 | 1.09 | 0.204 | 0.066 | NS |

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| AT 5 | 4/17/2019 | 12.2 | 7.63 | 8.99 | 17.9 | 14.4 | <0.250 | 0.638 | <0.100 | 0.061 | NS |
| AT 5 | 6/11/2019 | 24.6 | 7.18 | 3.48 | 22.2 | 15.9 | 0.486 | 0.822 | 0.290 | 0.206 | NS |
| AT 5 | 8/28/2019 | 20.7 | 7.84 | 7.42 | 27.1 | 23.5 | 1.070 | 0.534 | 0.485 | 0.404 | NS |
| AT 5 | 10/28/2019 | 22.5 | 7.84 | 8.45 | 15.1 | 17.0 | <0.250 | 0.665 | 0.499 | 0.523 | NS |
| AT 5 | 3/31/2020 | 23.1 | 8.09 | 9.07 | 16.6 | 27.1 | <0.250 | 0.657 | 0.102 | 0.032 | NS |
| AT 5 | 6/10/2020 | 19.4 | 7.56 | 7.35 | 23.2 | 22.8 | <0.250 | 0.825 | 0.243 | 0.248 | NS |
| AT 5 | 9/21/2020 | NS | 8.08 | 8.21 | 20.6 | 11.3 | <0.250 | 0.603 | 0.399 | 0.491 | NS |
| AT 5 | 12/17/2020 | 28.7 | 7.91 | 11.21 | 9.6 | 18.6 | <0.250 | 0.831 | <0.100 | 0.087 | NS |
| AT 5 | 3/18/2021 | 119.0 | 7.82 | 10.68 | 17.2 | 55.6 | <0.250 | 0.310 | <0.100 | 0.050 | NS |
| AT 5 | 5/5/2021 | 6.5 | 7.24 | 8.45 | 18.1 | 43.7 | 1.37 | 6.86 | 0.157 | 0.121 | NS |
| AT 5 | 9/2/2021 | EF | EF | 7.75 | 23.4 | 67.4 | 0.969 | 0.482 | 0.262 | 0.131 | NS |
| AT 5 | 11/23/2021 | <1.0 | 8.13 | 11.09 | 12.9 | 2.6 | <0.250 | 0.343 | 0.253 | <0.0300 | NS |
| AT 5 | 1/10/2022 | 20.8 | 7.39 | 11.46 | 10.0 | 29.7 | 0.279 | 0.769 | 0.184 | 0.126 | NS |
| AT 5 | 4/7/2022 | 21.9 | 7.53 | 9.30 | 16.6 | 33.8 | 0.380 | 0.509 | 0.121 | 0.101 | NS |
| AT 5 | 8/3/2022 | 21.7 | 8.17 | 7.50 | 26.0 | 30.8 | 0.702 | 0.715 | 0.323 | 0.271 | NS |
| AT 5 | 11/16/2022 | 6.4 | 7.80 | 10.62 | 11.1 | 7.3 | <0.250 | 0.366 | 0.420 | 0.448 | NS |
| AT 5 | 2/13/2023 | 32.6 | 7.29 | 11.01 | 11.5 | 38.0 | 0.301 | 0.699 | <0.100 | 0.081 | NS |
| AT 5 | 5/24/2023 | 14.4 | 7.80 | 8.94 | 20.0 | 20.0 | 0.331 | 0.697 | 0.182 | 0.127 | NS |
| AT 5 | 8/7/2023 | 10.54 | 7.87 | 9.13 | 26.5 | 12.4 | 0.291 | 0.832 | 0.430 | 0.373 | NS |
| AT 5 | 12/12/2023 | 22.78 | 7.77 | 8.71 | 9.1 | 10.9 | 0.329 | 0.696 | 0.782 | 0.752 | NS |
| AT 5 | 1/10/2024 | 185.14 | 7.45 | 8.57 | 8.8 | 220.0 | 0.732 | 0.642 | 0.498 | 0.299 | NS |
| AT 5 | 5/20/2024 | 9.07 | 7.74 | 8.53 | 28.1 | 11.6 | <0.250 | 0.737 | 0.192 | 0.120 | NS |
| AT 5 | 9/16/2024 | 7.40 | 7.06 | 7.88 | 23.7 | 12.0 | 0.473 | 1.68 | 0.740 | 0.570 | NS |
| AT 5 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 7.8 | 0.526 | 1.07 | 0.549 | 0.499 | NS |

## TABLE B.3 - HISTORICAL ANALYTICAL DATA - AT 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| AT 5 | 2/18/2025 | 30.28 | 7.65 | 6.60 | 11.2 | 36.6 | <0.131 | 1.05 | 0.233 | 0.108 | 687 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 3/12/2013 | 8.5 | 7.41 | 10.93 | 13.43 | 3.9 | 0.54 | 0.25 | <0.100 | 0.030 |
| GD 12 | 5/8/2013 | 15.0 | 6.73 | 2.35 | 16.53 | 7.5 | 0.40 | 0.21 | <0.100 | 0.030 |
| GD 12 | 9/23/2013 | 9.8 | 6.76 | 3.94 | 26.07 | 9.0 | 0.48 | <0.10 | <0.100 | 0.026 |
| GD 12 | 12/10/2013 | 18.8 | 6.15 | 10.09 | 10.18 | 5.9 | 0.45 | 0.22 | 0.11 | 0.079 |
| GD 12 | 2/6/2014 | 12.3 | 4.17 | 16.99 | 5.76 | 3.9 | 0.28 | 0.31 | <0.100 | <0.025 |
| GD 12 | 6/26/2014 | 28.5 | 8.38 | 9.40 | 26.72 | 32.0 | 0.62 | 0.11 | 0.12 | 0.035 |
| GD 12 | 9/30/2014 | 10.6 | 7.68 | 5.77 | 24.68 | 11.0 | 0.39 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2014 | 14.7 | 6.95 | 5.93 | 5.85 | 6.6 | 0.39 | 0.28 | 0.13 | <0.025 |
| GD 12 | 3/23/2015 | 17.6 | 7.80 | 9.56 | 16.80 | 8.1 | 0.59 | 0.24 | <0.100 | <0.025 |
| GD 12 | 4/22/2015 | 17.3 | 7.45 | 11.04 | 19.80 | 14.0 | 0.43 | 0.25 | <0.100 | <0.025 |
| GD 12 | 9/30/2015 | 7.4 | 7.30 | 11.07 | 24.67 | 8.5 | 0.695 | <0.100 | <0.100 | <0.025 |
| GD 12 | 11/19/2015 | 22.9 | 7.07 | 19.14 | 14.68 | 12.0 | 0.769 | 0.281 | 0.15 | 0.100 |
| GD 12 | 3/15/2016 | 9.8 | 7.43 | 13.14 | 16.05 | 4.6 | 0.434 | 0.254 | <0.100 | 0.032 |
| GD 12 | 6/29/2016 | 12.9 | 8.22 | 7.68 | 31.20 | 12.0 | 0.380 | <0.100 | <0.100 | 0.036 |
| GD 12 | 8/9/2016 | 22.1 | 7.57 | 4.39 | 27.60 | 13.3 | 0.629 | <0.100 | <0.100 | <0.025 |
| GD 12 | 12/7/2016 | 10.3 | 7.18 | 6.65 | 11.4 | 4.0 | 0.599 | 0.142 | <0.100 | <0.025 |
| GD 12 | 3/2/2017 | 15.4 | 7.79 | 10.12 | 11.70 | 6.1 | 0.583 | 0.223 | 0.12 | <0.025 |
| GD 12 | 6/21/2017 | 16.1 | 7.43 | 5.12 | 24.3 | 16.8 | 0.770 | <0.100 | <0.100 | <0.025 |
| GD 12 | 8/17/2017 | 6.3 | 8.13 | 5.80 | 29.90 | 13.3 | 0.583 | <0.100 | <0.100 | <0.025 |
| GD 12 | 10/26/2017 | 9.8 | 6.74 | 7.53 | 13.2 | 7.8 | 0.312 | 0.19 | <0.100 | <0.025 |
| GD 12 | 3/27/2018 | 6.3 | 7.71 | 9.24 | 11.5 | 4.2 | <0.25 | 0.356 | <0.100 | <0.025 |
| GD 12 | 6/26/2018 | 9.9 | 7.44 | 4.35 | 26.1 | 13.2 | 0.528 | 0.102 | <0.100 | <0.025 |

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 8/1/2018 | 42.3 | 7.05 | 7.33 | 22.7 | 43.8 | 1.230 | 0.108 | 0.286 | 0.159 |
| GD 12 | 12/11/2018 | 9.5 | 6.68 | 11.46 | 7.8 | 4.3 | 0.574 | 0.313 | <0.100 | <0.025 |
| GD 12 | 4/17/2019 | 9.1 | 7.45 | 9.20 | 17.5 | 4.0 | 0.272 | 0.257 | <0.100 | <0.025 |
| GD 12 | 6/11/2019 | 19.0 | 7.20 | 3.25 | 22.0 | 8.2 | 0.820 | 0.223 | 0.121 | 0.066 |
| GD 12 | 8/28/2019 | 11.0 | 7.83 | 7.61 | 28.2 | 9.4 | 0.764 | <0.100 | 0.103 | <0.025 |
| GD 12 | 10/28/2019 | 18.9 | 5.34 | 6.65 | 14.7 | 12.3 | 0.387 | 0.197 | <0.100 | 0.044 |
| GD 12 | 3/31/2020 | 76.3 | 6.71 | 9.44 | 14.5 | 143 | 1.00 | 0.177 | 0.167 | 0.0650 |
| GD 12 | 6/10/2020 | 12.3 | 6.46 | 6.44 | 25.8 | 11.4 | 0.438 | <0.100 | <0.100 | <0.030 |
| GD 12 | 9/21/2020 | NS | 7.18 | 7.15 | 19.9 | 7.6 | <0.250 | 0.103 | <0.100 | <0.030 |
| GD 12 | 12/17/2020 | 13.1 | 8.03 | 11.10 | 8.5 | 3.7 | <0.250 | 0.268 | <0.100 | <0.030 |
| GD 12 | 3/18/2021 | 36.2 | 7.92 | 10.04 | 17.1 | 17.6 | 0.621 | 0.163 | <0.100 | <0.030 |
| GD 12 | 5/5/2021 | 4.1 | 7.49 | 8.97 | 18.9 | 16.4 | 0.610 | 7.26 | <0.100 | <0.030 |
| GD 12 | 9/2/2021 | EF | EF | 7.34 | 24.4 | 3.5 | 0.779 | 0.245 | <0.100 | <0.030 |
| GD 12 | 11/23/2021 | <1.0 | 7.80 | 11.27 | 12.5 | 2.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 1/10/2022 | 10.7 | 7.29 | 12.18 | 8.5 | 3.7 | 0.325 | 0.230 | <0.100 | <0.0300 |
| GD 12 | 4/7/2022 | 6.19 | 7.51 | 9.97 | 17.0 | 3.4 | 0.522 | 0.177 | <0.100 | 0.0740 |
| GD 12 | 8/3/2022 | 11.8 | 8.09 | 8.02 | 31.5 | 6.4 | 0.999 | <0.100 | 0.142 | <0.0300 |
| GD 12 | 11/16/2022 | 3.9 | 7.25 | 9.67 | 11.2 | 4.5 | 0.407 | <0.100 | <0.100 | <0.0300 |
| GD 12 | 2/13/2023 | 10.0 | 5.69 | 11.45 | 12.2 | 2.9 | 0.750 | 0.277 | <0.100 | <0.0300 |
| GD 12 | 5/24/2023 | 4.3 | 7.73 | 9.20 | 20.5 | 4.60 | 0.357 | 0.293 | 0.0372 | 0.0440 |
| GD 12 | 8/7/2023 | 8.17 | 7.85 | 8.85 | 31.0 | 5.20 | 0.813 | <0.100 | 0.0945 | <0.0300 |
| GD 12 | 12/12/2023 | 4.80 | 7.44 | 7.67 | 9.8 | <2.50 | 0.412 | 0.164 | 0.0233 | <0.0140 |

## TABLE B.4 - HISTORICAL ANALYTICAL DATA - GD 12
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 12 | 1/10/2024 | 15.55 | 7.21 | 8.93 | 9.0 | 5.60 | 0.437 | 0.389 | 0.0611 | 0.0410 |
| GD 12 | 5/20/2024 | 14.36 | 7.10 | 7.69 | 26.8 | 9.80 | 0.496 | 0.102 | 0.0698 | <0.0300 |
| GD 12 | 9/16/2024 | 3.20 | 6.92 | 8.53 | 25.7 | 2.70 | 0.399 | <0.0500 | 0.126 | 0.0160 |
| GD 12 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 7.07 | 0.702 | 0.205 | 0.088 | 0.0410 |
| GD 12 | 2/18/2025 | 13.27 | 7.84 | 6.88 | 9.3 | 4.20 | 0.497 | 0.345 | 0.116 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 3/12/2013 | 29.1 | 7.73 | 9.83 | 10.53 | 14.0 | 0.75 | 0.12 | <0.100 | 0.088 |
| RC 2 | 5/8/2013 | 18.9 | 6.16 | 3.06 | 16.36 | 12.0 | 0.55 | 0.19 | <0.100 | <0.025 |
| RC 2 | 9/23/2013 | 11.4 | 6.24 | 3.00 | 23.61 | 6.3 | 0.43 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/10/2013 | 33.6 | 6.07 | 11.71 | 8.38 | 10.0 | 0.54 | 0.11 | <0.100 | 0.062 |
| RC 2 | 2/6/2014 | 30.4 | 3.89 | 17.28 | 5.62 | 9.6 | 0.43 | 0.26 | <0.100 | <0.025 |
| RC 2 | 6/26/2014 | 17.6 | 7.90 | 6.81 | 24.81 | 7.2 | 0.44 | 0.15 | <0.100 | <0.025 |
| RC 2 | 9/30/2014 | 3.4 | 7.27 | 5.55 | 22.25 | 2.5 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2014 | 27.4 | 5.65 | 7.14 | 5.72 | 11.0 | 0.43 | 0.17 | <0.100 | <0.025 |
| RC 2 | 3/23/2015 | 45.0 | 8.23 | 9.07 | 16.00 | 18.0 | 0.81 | 0.15 | <0.100 | 0.044 |
| RC 2 | 4/22/2015 | 14.1 | 7.64 | 11.42 | 18.40 | 4.8 | <0.25 | 0.26 | <0.100 | <0.025 |
| RC 2 | 9/30/2015 | 7.1 | 5.93 | 9.28 | 23.33 | 4.6 | <0.25 | <0.100 | <0.100 | <0.025 |
| RC 2 | 11/19/2015 | 114.0 | 7.36 | 21.94 | 15.29 | 14.4 | 0.75 | 0.271 | 0.133 | <0.025 |
| RC 2 | 3/15/2016 | 14.5 | 7.62 | 16.67 | 14.61 | 6.0 | 0.43 | 0.181 | <0.100 | <0.025 |
| RC 2 | 6/29/2016 | 12.1 | 7.78 | 4.31 | 28.30 | 10.9 | 0.35 | <0.100 | <0.100 | 0.077 |
| RC 2 | 8/9/2016 | 24.5 | 8.12 | 5.05 | 26.50 | 9.9 | 0.45 | 0.140 | <0.100 | <0.025 |
| RC 2 | 12/7/2016 | 17.2 | 7.86 | 7.47 | 12.0 | 11.9 | 0.53 | 0.200 | <0.100 | <0.025 |
| RC 2 | 3/2/2017 | 25.3 | 7.71 | 7.74 | 13.10 | 8.0 | 0.45 | 0.166 | <0.100 | <0.025 |
| RC 2 | 6/21/2017 | 14.2 | 7.91 | 5.61 | 23.7 | 12.3 | 0.51 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/17/2017 | 18.2 | 8.08 | 4.94 | 27.90 | 72.2 | 0.72 | <0.100 | 0.133 | <0.025 |
| RC 2 | 10/26/2017 | 18.1 | 7.57 | 7.05 | 15.2 | 17.5 | 0.27 | <0.100 | <0.100 | <0.025 |
| RC 2 | 3/27/2018 | 18.2 | 7.91 | 8.43 | 12.4 | 12.5 | <0.25 | 0.146 | <0.100 | <0.025 |
| RC 2 | 6/26/2018 | 18.8 | 7.94 | 6.19 | 26.5 | 13.0 | 0.802 | 0.101 | <0.100 | <0.025 |

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 8/1/2018 | 56.8 | 7.40 | 7.10 | 22.4 | 84.4 | 0.506 | <0.100 | <0.100 | <0.025 |
| RC 2 | 12/11/2018 | 16.0 | 7.54 | 11.41 | 7.7 | 3.1 | 0.479 | 0.316 | <0.100 | <0.025 |
| RC 2 | 4/17/2019 | 7.0 | 7.77 | 8.67 | 18.9 | <5.00 | 0.288 | 0.165 | <0.100 | <0.025 |
| RC 2 | 6/11/2019 | 14.3 | 6.83 | 3.78 | 23.0 | 5.2 | 0.520 | <0.100 | <0.100 | <0.025 |
| RC 2 | 8/28/2019 | 14.4 | 8.01 | 7.30 | 28.0 | 4.8 | 0.748 | <0.100 | <0.100 | <0.025 |
| RC 2 | 10/28/2019 | 11.4 | 7.55 | 9.42 | 14.9 | 3.4 | <0.250 | 0.132 | 0.197 | <0.025 |
| RC 2 | 3/31/2020 | 84.5 | 7.90 | 9.10 | 15.7 | 90.0 | 0.574 | 0.190 | 0.118 | 0.0290 |
| RC 2 | 6/10/2020 | 20.5 | 7.87 | 6.37 | 25.6 | 10.8 | 0.330 | 0.210 | <0.100 | <0.030 |
| RC 2 | 9/21/2020 | NS | 7.24 | 7.03 | 19.6 | 5.2 | <0.250 | <0.100 | <0.100 | <0.030 |
| RC 2 | 12/17/2020 | 28.1 | 7.91 | 11.23 | 8.9 | 5.4 | 0.396 | 0.218 | <0.100 | <0.030 |
| RC 2 | 3/18/2021 | 67.5 | 7.90 | 8.68 | 16.7 | 26.8 | 0.611 | 0.145 | <0.100 | <0.030 |
| RC 2 | 5/5/2021 | 2.8 | 7.31 | 8.95 | 19.1 | 15.6 | 0.892 | 7.91 | <0.100 | <0.030 |
| RC 2 | 9/2/2021 | EF | EF | 6.52 | 25.0 | 3.4 | 0.802 | 0.122 | <0.100 | <0.030 |
| RC 2 | 11/23/2021 | 3.5 | 7.66 | 8.33 | 12.2 | 19.2 | 0.340 | 0.124 | <0.100 | <0.0300 |
| RC 2 | 1/10/2022 | 32.1 | 7.27 | 11.50 | 8.4 | 9.0 | 0.501 | 0.185 | <0.100 | <0.0300 |
| RC 2 | 4/7/2022 | 10.96 | 7.41 | 9.02 | 17.5 | 5.0 | 0.386 | 0.186 | 0.144 | <0.0300 |
| RC 2 | 8/3/2022 | 15.1 | 8.26 | 7.41 | 27.1 | 13.8 | 0.352 | 0.175 | <0.100 | <0.0300 |
| RC 2 | 11/16/2022 | 19.4 | 7.35 | 8.84 | 11.2 | 13.4 | 0.434 | 0.126 | <0.100 | <0.0300 |
| RC 2 | 2/13/2023 | 20.0 | 7.12 | 11.58 | 10.9 | 5.3 | 0.636 | 0.273 | <0.100 | <0.0300 |
| RC 2 | 5/24/2023 | 16.0 | 7.56 | 8.31 | 20.5 | 22.8 | 0.542 | 0.142 | 0.0469 | <0.0140 |
| RC 2 | 8/7/2023 | 5.75 | 7.80 | 6.55 | 28.2 | 6.20 | 0.676 | <0.100 | 0.0662 | <0.0300 |
| RC 2 | 12/12/2023 | 21.62 | 7.58 | 7.25 | 8.9 | 6.60 | 0.634 | 0.166 | 0.0448 | <0.0140 |

## TABLE B.5 - HISTORICAL ANALYTICAL DATA - RC 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 2 | 1/10/2024 | 32.58 | 7.56 | 8.81 | 8.3 | 15.2 | 0.816 | 0.511 | 0.0428 | 0.0150 |
| RC 2 | 5/20/2024 | 17.18 | 6.19 | 6.19 | 23.2 | 11.7 | 0.424 | 0.142 | 0.0687 | 0.0160 |
| RC 2 | 9/16/2024 | 6.70 | 7.43 | 3.73 | 24.8 | 6.13 | 0.502 | <0.0500 | 0.106 | 0.0240 |
| RC 2 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 18.20 | 0.559 | 0.248 | 0.083 | <0.0196 |
| RC 2 | 2/18/2025 | 17.48 | 7.75 | 6.99 | 10.1 | 6.40 | 0.519 | 0.405 | 0.120 | 0.0550 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.6 - HISTORICAL ANALYTICAL DATA - SME 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| SME 7 | 12/17/2020 | 16.8 | 8.10 | 11.01 | 11.5 | 19.4 | 0.541 | 0.884 | <0.100 | 0.094 | NS |
| SME 7 | 3/18/2021 | 111.0 | 8.93 | 10.25 | 18.3 | 78.2 | 0.407 | 0.429 | 0.270 | 0.093 | NS |
| SME 7 | 5/5/2021 | 8.2 | 6.06 | 8.01 | 18.4 | 36.4 | 1.240 | 1.090 | 0.244 | 0.112 | NS |
| SME 7 | 9/2/2021 | EF | EF | 7.91 | 22.6 | 77.6 | 2.490 | 0.491 | 0.275 | 0.179 | NS |
| SME 7 | 11/23/2021 | <1.0 | 7.78 | 10.45 | 12.2 | <2.50 | <0.250 | 0.367 | 0.516 | 0.472 | NS |
| SME 7 | 1/10/2022 | 19.2 | 7.97 | 10.98 | 11.9 | 34.7 | 0.805 | 0.823 | 0.211 | 0.140 | NS |
| SME 7 | 4/7/2022 | EF | 7.10 | 9.27 | 18.0 | 37.2 | 1.37 | 0.549 | 0.264 | <0.0300 | NS |
| SME 7 | 8/3/2022 | 24.8 | 8.32 | 7.69 | 24.6 | 31.0 | 0.844 | 0.742 | 0.373 | 0.314 | NS |
| SME 7 | 11/16/2022 | 4.9 | 7.87 | 10.30 | 11.1 | 3.8 | <0.250 | 0.424 | 0.528 | 0.490 | NS |
| SME 7 | 2/13/2023 | 34.3 | 7.12 | 11.11 | 11.4 | 36.2 | 1.01 | 0.737 | 0.115 | <0.0300 | NS |
| SME 7 | 5/24/2023 | 38.5 | 7.92 | 8.86 | 18.6 | 21.0 | 0.474 | 0.749 | 0.206 | 0.143 | NS |
| SME 7 | 8/7/2023 | 11.40 | 7.93 | 8.93 | 25.8 | 12.3 | 0.393 | 0.916 | 0.469 | 0.403 | NS |
| SME 7 | 12/12/2023 | 23.45 | 8.01 | 8.85 | 9.6 | 6.80 | 0.262 | 0.584 | 0.748 | 0.705 | NS |
| SME 7 | 1/10/2024 | 194.24 | 7.45 | 8.84 | 9.1 | 183 | 0.548 | 0.729 | 0.470 | 0.320 | NS |
| SME 7 | 5/20/2024 | 10.34 | 7.74 | 8.34 | 21.8 | 13.5 | <0.250 | 0.821 | 0.206 | 0.162 | NS |
| SME 7 | 9/16/2024 | 7.40 | 8.26 | 8.03 | 21.9 | 14.1 | 0.403 | 1.58 | 0.678 | 0.577 | NS |
| SME 7 | 12/11/2024 | 9.52 | 7.44 | 7.54 | 11.1 | 8.8 | 0.293 | 1.06 | 0.538 | 0.788 | NS |
| SME 7 | 2/18/2025 | 34.33 | 7.18 | 6.46 | 11.5 | 38.8 | 0.593 | 1.09 | 0.252 | 0.0990 | 770 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.7 - HISTORICAL ANALYTICAL DATA - SME 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 9 | 4/7/2022 | 5.17 | 7.78 | 9.32 | 17.0 | 2.90 | 0.529 | <0.100 | 0.135 | <0.0300 |
| SME 9 | 8/3/2022 | 9.20 | 8.10 | 7.97 | 25.4 | <2.50 | 0.582 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 11/16/2022 | 2.90 | 7.50 | 9.86 | 12.2 | <2.50 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 9 | 2/13/2023 | 10.3 | 7.43 | 11.93 | 10.2 | 2.60 | 0.783 | <0.100 | <0.100 | 0.0900 |
| SME 9 | 5/24/2023 | 16.3 | 8.07 | 11.59 | 21.0 | 59.0 | 0.660 | <0.0500 | <0.0350 | <0.0140 |
| SME 9 | 8/7/2023 | 10.4 | 7.10 | 7.41 | 24.6 | 5.60 | 1.360 | <0.100 | 0.087 | <0.0300 |
| SME 9 | 12/12/2023 | 8.1 | 7.57 | 7.44 | 8.9 | <2.50 | 0.345 | <0.0500 | 0.019 | <0.0140 |
| SME 9 | 1/10/2024 | 15.7 | 7.33 | 8.58 | 8.9 | 4.70 | 1.870 | 0.152 | 0.039 | 0.0160 |
| SME 9 | 5/20/2024 | 1.3 | 7.60 | 6.65 | 23.1 | 2.80 | <0.250 | 0.090 | 0.069 | <0.0300 |
| SME 9 | 9/16/2024 | 1.60 | 7.65 | 6.20 | 24.2 | <5.00 | 0.580 | <0.0500 | 0.115 | <0.0140 |
| SME 9 | 12/11/2024 | 10.22 | 7.38 | 7.02 | 11.5 | 6.49 | 0.454 | 0.123 | 0.022 | <0.0196 |
| SME 9 | 2/18/2025 | 14.08 | 7.71 | 7.00 | 8.0 | 28.5 | 0.833 | 0.106 | 0.0949 | 0.0230 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.8 - HISTORICAL ANALYTICAL DATA - SME 10
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 10 | 4/7/2022 | 4.94 | 7.82 | 9.16 | 18.0 | 2.800 | 0.477 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 8/3/2022 | 10.3 | 8.08 | 6.35 | 25.5 | 4.1 | 0.9400 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 11/16/2022 | 9.80 | 7.18 | 8.03 | 12.2 | 4.6 | 0.5160 | <0.100 | <0.100 | <0.0300 |
| SME 10 | 2/13/2023 | 19.1 | 7.32 | 11.34 | 9.7 | 4.000 | 0.773 | 0.185 | <0.100 | <0.0300 |
| SME 10 | 5/24/2023 | 13.4 | 7.42 | 7.50 | 15.5 | 15.0 | 0.349 | 0.143 | 0.0371 | <0.0140 |
| SME 10 | 8/7/2023 | 13.32 | 7.59 | 6.69 | 25.8 | 4.40 | 0.903 | <0.100 | 0.0918 | <0.0300 |
| SME 10 | 12/12/2023 | 18.09 | 7.57 | 5.63 | 10.5 | 10.6 | 0.633 | <0.0500 | 0.0471 | <0.0140 |
| SME 10 | 1/10/2024 | 20.90 | 7.68 | 8.60 | 9.1 | 7.30 | 0.468 | 0.433 | <0.0350 | 0.0170 |
| SME 10 | 5/20/2024 | 8.54 | 7.16 | 5.44 | 23.6 | 10.00 | 0.326 | 0.132 | 0.1120 | <0.0300 |
| SME 10 | 9/16/2024 | 5.50 | 7.13 | 5.26 | 24.8 | <10.0 | 1.38 | 0.212 | 0.106 | 0.0180 |
| SME 10 | 12/11/2024 | 25.53 | 7.40 | 6.89 | 12.6 | 7.40 | 0.70 | 0.163 | 0.059 | <0.0196 |
| SME 10 | 2/18/2025 | 20.74 | 7.78 | 6.59 | 9.2 | 4.60 | 0.371 | 0.327 | <0.0642 | <0.0196 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 3/12/2013 | 8 | 7.04 | 9.85 | 11.45 | 4.7 | 0.78 | 0.34 | <0.10 | 0.032 |
| SS 13 | 5/8/2013 | 10 | 6.68 | 2.94 | 18.75 | 5.7 | 0.72 | 0.36 | <0.10 | <0.050 |
| SS 13 | 9/23/2013 | 12 | 7.04 | 3.38 | 25.31 | 9.6 | 0.84 | <0.10 | <0.10 | 0.028 |
| SS 13 | 12/10/2013 | 12.2 | 6.14 | 10.93 | 8.99 | 5.6 | 0.67 | 0.33 | 0.12 | 0.077 |
| SS 13 | 2/6/2014 | 7.2 | 4.26 | 17.50 | 5.14 | 4.1 | 0.44 | 0.42 | <0.100 | <0.025 |
| SS 13 | 6/26/2014 | 23.2 | 8.33 | 8.09 | 28.44 | 5.4 | 0.52 | <0.100 | 0.12 | <0.025 |
| SS 13 | 9/30/2014 | 12.4 | 7.41 | 4.26 | 24.77 | 12.0 | 0.44 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2014 | 13.4 | 6.31 | 6.08 | 6.44 | 4.8 | 0.40 | 0.22 | <0.100 | 0.044 |
| SS 13 | 3/23/2015 | 15.9 | 7.33 | 8.57 | 15.4 | 7.6 | 0.71 | 0.22 | <0.100 | 0.029 |
| SS 13 | 4/22/2015 | 15.3 | 6.60 | 8.93 | 20.8 | 10.0 | 0.67 | 0.32 | <0.100 | <0.025 |
| SS 13 | 9/30/2015 | 9.5 | 7.33 | 11.54 | 25.95 | 9.0 | 0.52 | <0.100 | <0.100 | <0.025 |
| SS 13 | 11/19/2015 | 35.8 | 7.07 | 18.48 | 15.31 | 4.8 | 0.97 | 0.242 | 0.181 | <0.025 |
| SS 13 | 3/15/2016 | 9.1 | 6.61 | 12.42 | 17.37 | 4.7 | <0.25 | 0.323 | <0.100 | <0.025 |
| SS 13 | 6/29/2016 | 9.7 | 7.86 | 6.15 | 30.6 | 9.8 | 0.53 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/9/2016 | 20.3 | 7.77 | 5.92 | 29.1 | 24.0 | 0.73 | <0.100 | <0.100 | <0.025 |
| SS 13 | 12/7/2016 | 4.8 | 7.39 | 6.97 | 12.5 | 3.6 | 0.45 | 0.108 | <0.100 | <0.025 |
| SS 13 | 3/2/2017 | 12.0 | 6.64 | 7.19 | 13.4 | 4.6 | 0.75 | 0.249 | <0.100 | <0.025 |
| SS 13 | 6/21/2017 | 8.7 | 7.54 | 5.82 | 26.1 | 12.8 | 0.82 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/17/2017 | 9.3 | 7.93 | 6.54 | 30.9 | 18.6 | 0.81 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/26/2017 | 5.2 | 6.70 | 7.41 | 15.4 | 7.2 | 0.60 | 0.122 | <0.100 | <0.025 |
| SS 13 | 3/27/2018 | 6.4 | 8.19 | 8.23 | 12.4 | 16.2 | <0.25 | 0.495 | <0.100 | <0.025 |
| SS 13 | 6/26/2018 | 6.8 | 7.36 | 5.67 | 29.5 | 10.2 | 0.998 | <0.100 | 0.140 | <0.025 |

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 8/1/2018 | 24.2 | 6.75 | 6.86 | 21.9 | 20.2 | 1.180 | 0.226 | 0.308 | 0.206 |
| SS 13 | 12/11/2018 | 8.2 | 7.37 | 10.79 | 7.4 | 8.6 | 0.655 | 0.451 | <0.100 | <0.025 |
| SS 13 | 4/17/2019 | 6.4 | 7.42 | 9.23 | 19.1 | 6.8 | 0.624 | <0.100 | <0.100 | <0.025 |
| SS 13 | 6/11/2019 | 8.9 | 6.59 | 3.12 | 23.4 | <6.25 | 0.929 | <0.100 | <0.100 | <0.025 |
| SS 13 | 8/28/2019 | 6.7 | 7.93 | 7.33 | 29.7 | 24.4 | 1.170 | <0.100 | <0.100 | <0.025 |
| SS 13 | 10/28/2019 | 12.3 | 6.25 | 3.61 | 16.0 | 3.7 | 0.739 | 0.211 | <0.100 | 0.031 |
| SS 13 | 3/31/2020 | 60.4 | 6.95 | 8.64 | 14.9 | 92.0 | 0.928 | 0.233 | 0.147 | 0.0580 |
| SS 13 | 6/10/2020 | 10.1 | 7.27 | 7.08 | 28.2 | 21.2 | 0.492 | <0.100 | <0.100 | <0.030 |
| SS 13 | 9/21/2020 | NS | 7.36 | 6.58 | 21.9 | 7.8 | <0.250 | <0.100 | 0.200 | <0.030 |
| SS 13 | 12/17/2020 | 12.3 | 8.04 | 10.83 | 8.3 | 5.3 | 0.432 | 0.405 | <0.100 | <0.030 |
| SS 13 | 3/18/2021 | 26.8 | 7.61 | 9.23 | 16.9 | 16.5 | 0.926 | 0.163 | <0.100 | <0.030 |
| SS 13 | 5/5/2021 | 0.5 | 7.77 | 8.13 | 18.2 | 10.5 | 1.41 | 7.64 | 0.160 | 0.0960 |
| SS 13 | 9/2/2021 | EF | EF | 8.50 | 28.7 | 13.4 | 1.33 | 0.189 | 0.108 | <0.030 |
| SS 13 | 11/23/2021 | <1.0 | 7.11 | 8.26 | 14.8 | 5.3 | 0.331 | 0.16 | <0.100 | <0.0300 |
| SS 13 | 1/10/2022 | 9.1 | 7.71 | 11.23 | 8.8 | 7.0 | 0.725 | 0.295 | <0.100 | <0.0300 |
| SS 13 | 4/7/2022 | 6.7 | 7.40 | 8.72 | 18.2 | 5.3 | 0.886 | 0.304 | <0.100 | <0.0300 |
| SS 13 | 8/3/2022 | 14.2 | 7.92 | 7.03 | 31.4 | 44.4 | 1.650 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 11/16/2022 | 4.4 | 7.06 | 9.81 | 13.1 | 5.5 | 0.263 | <0.100 | <0.100 | <0.0300 |
| SS 13 | 2/13/2023 | 10.6 | 6.45 | 11.05 | 10.9 | 2.5 | 1.000 | 0.459 | <0.100 | <0.0300 |
| SS 13 | 5/24/2023 | 5.2 | 7.28 | 8.44 | 21.7 | 3.73 | 0.903 | 0.358 | 0.0655 | <0.0140 |
| SS 13 | 8/7/2023 | 4.90 | 7.85 | 9.14 | 31.2 | 4.00 | 0.825 | <0.100 | 0.111 | <0.0300 |
| SS 13 | 12/12/2023 | 14.46 | 7.62 | 8.32 | 12.3 | 5.50 | 0.744 | 0.0980 | 0.0822 | <0.0140 |

## TABLE B.9 - HISTORICAL ANALYTICAL DATA - SS 13
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 13 | 1/10/2024 | 14.16 | 7.33 | 8.43 | 9.2 | 6.71 | 1.72 | 0.426 | 0.0934 | 0.0570 |
| SS 13 | 5/20/2024 | 9.83 | 7.30 | 8.03 | 28.3 | 32.70 | 0.51 | <0.100 | 0.1560 | 0.0320 |
| SS 13 | 9/16/2024 | 9.00 | 7.58 | 8.15 | 26.7 | 14.8 | 0.877 | <0.0500 | 0.129 | <0.0140 |
| SS 13 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 7.5 | 1.250 | 0.322 | 0.159 | 0.0840 |
| SS 13 | 2/18/2025 | 21.84 | 7.73 | 6.26 | 9.3 | 20.0 | 0.648 | 0.493 | 0.163 | <0.0196 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 3/12/2013 | 9.7 | 7.40 | 11.23 | 10.93 | 4.7 | 0.77 | 0.40 | 0.11 | 0.087 |
| SS 14 | 5/8/2013 | 10.3 | 6.47 | 2.75 | 16.42 | 5.0 | 0.53 | 0.45 | <0.100 | 0.041 |
| SS 14 | 9/23/2013 | 3.1 | 6.76 | 6.49 | 21.77 | <2.5 | 0.45 | 0.38 | <0.100 | 0.036 |
| SS 14 | 12/10/2013 | 17.6 | 5.63 | 11.33 | 8.56 | 9.2 | 0.66 | 0.28 | 0.19 | 0.160 |
| SS 14 | 2/6/2014 | 12.4 | 4.19 | 17.56 | 5.16 | 14.0 | 0.50 | 0.62 | <0.100 | 0.074 |
| SS 14 | 6/26/2014 | 7.9 | 8.18 | 7.58 | 24.14 | <2.5 | 0.89 | 0.67 | 0.16 | 0.080 |
| SS 14 | 9/30/2014 | 7.9 | 7.42 | 3.67 | 22.35 | 6.1 | 0.52 | <0.100 | <0.100 | 0.031 |
| SS 14 | 11/19/2014 | 16.0 | 6.27 | 7.50 | 5.48 | 9.2 | 0.46 | 0.75 | 0.22 | 0.075 |
| SS 14 | 3/23/2015 | 21.3 | 7.75 | 9.53 | 16.5 | 11.0 | 1.10 | 0.27 | 0.14 | 0.110 |
| SS 14 | 4/22/2015 | 12.3 | 7.43 | 12.29 | 17.5 | 6.3 | 0.58 | 0.620 | <0.100 | <0.025 |
| SS 14 | 9/30/2015 | 7.3 | 7.16 | 12.79 | 24.02 | 6.6 | 0.514 | <0.10 | 0.176 | 0.088 |
| SS 14 | 11/19/2015 | 27.0 | 6.49 | 20.71 | 15.16 | 23.3 | 0.996 | 0.442 | 0.183 | 0.131 |
| SS 14 | 3/15/2016 | 11.3 | 7.18 | 12.11 | 16.01 | 8.1 | 0.834 | 0.50 | <0.100 | 0.056 |
| SS 14 | 6/29/2016 | 6.0 | 7.62 | 3.61 | 27.2 | 6.0 | 0.650 | <0.100 | 0.160 | 0.103 |
| SS 14 | 8/9/2016 | 22.3 | 7.71 | 5.99 | 26.9 | 12.7 | 0.871 | 0.164 | 0.119 | 0.062 |
| SS 14 | 12/7/2016 | 7.6 | 7.27 | 7.72 | 11.9 | <2.5 | 0.705 | 0.885 | 0.147 | 0.078 |
| SS 14 | 3/2/2017 | 12.6 | 7.60 | 8.76 | 12.2 | 9.2 | 0.842 | 0.475 | 0.153 | 0.092 |
| SS 14 | 6/21/2017 | 21.5 | 7.74 | 6.24 | 23.7 | 63.7 | 0.725 | 0.249 | 0.109 | 0.030 |
| SS 14 | 8/17/2017 | 6.0 | 8.12 | 7.11 | 31.4 | 24.8 | 0.827 | 0.118 | <0.100 | 0.070 |
| SS 14 | 10/26/2017 | 4.3 | 7.39 | 7.66 | 13.9 | 3.6 | 0.582 | 0.699 | <0.100 | 0.054 |
| SS 14 | 3/27/2018 | 8.8 | 7.34 | 8.96 | 11.9 | 8.2 | <0.25 | 0.673 | 0.148 | 0.044 |
| SS 14 | 6/26/2018 | 7.7 | 8.47 | 10.65 | 29.3 | 18.7 | 1.010 | 0.206 | 0.148 | 0.044 |

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 8/1/2018 | 42.9 | 6.35 | 7.04 | 22.5 | 60.0 | 0.885 | 0.109 | 0.276 | 0.233 |
| SS 14 | 12/11/2018 | 8.4 | 6.95 | 11.53 | 7.4 | 4.3 | 0.635 | 0.812 | 0.117 | 0.057 |
| SS 14 | 4/17/2019 | 6.6 | 7.60 | 8.28 | 22.1 | 6.7 | 0.414 | 0.598 | <0.100 | 0.042 |
| SS 14 | 6/11/2019 | 12.6 | 6.78 | 3.47 | 23.8 | 5.9 | 0.928 | 0.444 | <0.100 | 0.077 |
| SS 14 | 8/28/2019 | 8.1 | 7.96 | 8.18 | 27.9 | 8.5 | 1.050 | <0.100 | 0.174 | <0.025 |
| SS 14 | 10/28/2019 | 10.9 | 6.97 | 7.83 | 15.1 | 2.7 | 0.381 | 0.458 | 0.167 | 0.048 |
| SS 14 | 3/31/2020 | 62.4 | 6.67 | 9.31 | 15.2 | 145 | 0.934 | 0.190 | 0.348 | 0.235 |
| SS 14 | 6/10/2020 | 17.0 | 7.32 | 7.20 | 29.1 | 40.4 | 0.897 | 0.246 | 0.128 | 0.078 |
| SS 14 | 9/21/2020 | NS | 7.62 | 7.59 | 20.7 | 8.4 | 0.281 | 0.345 | <0.100 | 0.075 |
| SS 14 | 12/17/2020 | 11.4 | 7.94 | 11.72 | 8.6 | 5.4 | 0.540 | 0.546 | <0.100 | 0.050 |
| SS 14 | 3/18/2021 | 31.4 | 7.73 | 9.77 | 16.8 | 19.8 | 0.670 | 0.189 | <0.100 | 0.048 |
| SS 14 | 5/5/2021 | 1.2 | 6.98 | 8.62 | 19.4 | 6.27 | 1.06 | 7.85 | <0.100 | 0.073 |
| SS 14 | 9/2/2021 | EF | EF | 7.80 | 26.3 | 3.0 | 0.935 | 0.552 | 0.128 | 0.980 |
| SS 14 | 11/23/2021 | <1.0 | 7.46 | 10.28 | 12.7 | 2.6 | 0.370 | 0.315 | 0.178 | 0.108 |
| SS 14 | 1/10/2022 | 9.8 | 7.12 | 11.84 | 8.8 | 4.4 | 0.674 | 0.385 | 0.136 | 0.068 |
| SS 14 | 4/7/2022 | 4.4 | 6.82 | 9.83 | 17.8 | 2.9 | 0.566 | 0.402 | <0.100 | 0.033 |
| SS 14 | 8/3/2022 | 10.0 | 8.03 | 7.77 | 30.2 | 6.5 | 0.723 | 0.176 | 0.123 | <0.0300 |
| SS 14 | 11/16/2022 | 4.3 | 7.37 | 9.76 | 10.8 | 2.5 | 0.406 | <0.100 | <0.100 | 0.039 |
| SS 14 | 2/13/2023 | 12.0 | 6.82 | 11.64 | 10.8 | 4.3 | 0.749 | 0.501 | <0.100 | 0.052 |
| SS 14 | 5/24/2023 | 4.6 | 7.65 | 9.57 | 21.3 | 4.40 | 0.506 | 0.528 | 0.102 | 0.0440 |
| SS 14 | 8/7/2023 | 6.56 | 8.02 | 10.73 | 31.6 | 8.20 | 0.903 | <0.100 | 0.124 | 0.032 |
| SS 14 | 12/12/2023 | 10.06 | 7.66 | 8.00 | 8.1 | <2.50 | 0.573 | 0.352 | 0.0890 | 0.0410 |

## TABLE B.10 - HISTORICAL ANALYTICAL DATA - SS 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 14 | 1/10/2024 | 25.10 | 7.40 | 8.91 | 9.0 | 9.60 | 1.08 | 0.693 | 0.117 | 0.0870 |
| SS 14 | 5/20/2024 | 10.78 | 7.80 | 10.12 | 26.7 | 7.67 | 0.49 | 0.213 | 0.121 | 0.0210 |
| SS 14 | 9/16/2024 | 5.20 | 8.03 | 7.89 | 25.0 | 10.0 | 1.33 | 0.0955 | 0.201 | 0.0330 |
| SS 14 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 9.9 | 0.70 | 0.4960 | 0.222 | 0.1550 |
| SS 14 | 2/18/2025 | 12.03 | 7.57 | 7.00 | 9.0 | 4.50 | 0.551 | 0.892 | 0.156 | 0.0540 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 3/13/2013 | 11.6 | 8.33 | 9.29 | 10.20 | 9.6 | 0.34 | 0.26 | <0.10 | <0.025 |
| GD 5 | 5/20/2013 | 14.0 | 8.28 | 7.76 | 22.60 | 9.0 | 0.62 | <0.100 | <0.10 | <0.025 |
| GD 5 | 9/23/2013 | 11.5 | 7.67 | 6.78 | 27.10 | 8.0 | 0.45 | <0.100 | <0.10 | 0.027 |
| GD 5 | 12/10/2013 | 57.9 | 7.97 | 9.10 | 9.10 | 18.0 | 0.47 | 0.10 | 0.10 | 0.088 |
| GD 5 | 2/6/2014 | 45.9 | 7.14 | 9.88 | 7.20 | 17.0 | 0.37 | 0.17 | <0.100 | 0.038 |
| GD 5 | 6/26/2014 | 17.0 | 7.90 | 6.54 | NS | 12.0 | 0.34 | <0.100 | <0.100 | <0.025 |
| GD 5 | 9/30/2014 | 22.5 | 8.28 | 7.53 | 25.22 | 18.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| GD 5 | 11/19/2014 | 42.9 | 8.15 | 9.30 | 9.40 | 26.0 | 0.43 | 0.11 | <0.100 | 0.051 |
| GD 5 | 3/23/2015 | 24.0 | 8.14 | 8.58 | 15.90 | 15.0 | 0.34 | 0.12 | <0.100 | <0.025 |
| GD 5 | 4/22/2015 | 25.0 | 7.81 | 7.78 | 21.70 | 13.0 | 0.65 | 0.14 | <0.100 | <0.025 |
| GD 5 | 9/30/2015 | 18.0 | 8.03 | 6.27 | 26.30 | 17.3 | 0.557 | <0.100 | 0.115 | <0.025 |
| GD 5 | 11/19/2015 | 90.0 | 7.63 | 7.34 | 16.60 | 42.8 | <0.250 | 0.168 | <0.100 | 0.042 |
| GD 5 | 3/15/2016 | 23.7 | 8.80 | 7.47 | 19.40 | 13.2 | 0.435 | <0.100 | <0.100 | <0.025 |
| GD 5 | 6/29/2016 | 21.0 | 8.02 | 2.27 | 30.37 | 15.0 | 0.490 | <0.100 | <0.100 | 0.074 |
| GD 5 | 8/9/2016 | 11.8 | 8.25 | 5.55 | 30.20 | 11.0 | 0.412 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/7/2016 | 10.0 | 7.73 | 10.61 | 11.96 | 6.8 | 0.337 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/2/2017 | 12.3 | 7.81 | 4.49 | 14.26 | 13.0 | 0.491 | 0.118 | <0.100 | <0.025 |
| GD 5 | 7/5/2017 | 15.0 | 7.32 | 5.83 | 26.9 | 22.7 | 0.730 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/16/2017 | 8.0 | 7.89 | 6.22 | 28.0 | 9.0 | 0.404 | <0.100 | <0.100 | <0.025 |
| GD 5 | 10/25/2017 | 9.2 | 7.36 | 7.35 | 18.7 | 14.6 | 0.347 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/28/2018 | 6.1 | 8.18 | 9.47 | 18.5 | 6.06 | <0.250 | 0.127 | <0.100 | <0.025 |
| GD 5 | 6/29/2018 | 16.3 | 7.76 | 5.66 | 27.5 | 19.60 | 0.689 | <0.100 | <0.100 | <0.025 |

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 8/2/2018 | 18.4 | 7.59 | 6.02 | 25.7 | 26.40 | 0.332 | <0.100 | <0.100 | <0.025 |
| GD 5 | 12/10/2018 | 37.7 | 7.87 | 11.30 | 7.3 | 22.3 | 0.523 | <0.100 | 0.190 | <0.025 |
| GD 5 | 4/15/2019 | 29.7 | 7.69 | 8.02 | 19.3 | 29.0 | 0.411 | 0.128 | 1.20 | <0.025 |
| GD 5 | 6/12/2019 | 6.0 | 8.02 | 7.64 | 27.2 | 9.3 | <0.250 | <0.100 | <0.100 | <0.025 |
| GD 5 | 8/27/2019 | 75.2 | 7.15 | 7.98 | 28.7 | 10.9 | 0.506 | <0.100 | 0.165 | <0.025 |
| GD 5 | 10/29/2019 | 29.0 | 7.85 | 9.42 | 17.8 | 21.0 | 0.477 | <0.100 | <0.100 | <0.025 |
| GD 5 | 3/30/2020 | 14.5 | 7.65 | 8.86 | 19.1 | 12.1 | 0.320 | 0.130 | <0.100 | <0.025 |
| GD 5 | 6/16/2020 | 16.4 | 7.69 | 7.75 | 27.2 | 7.4 | 0.561 | <0.100 | <0.100 | <0.030 |
| GD 5 | 9/21/2020 | 10.8 | 7.65 | 6.33 | 23.2 | 7.9 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 5 | 12/17/2020 | 28.7 | 7.62 | 9.96 | 9.7 | 19.8 | 0.422 | 0.122 | 0.113 | <0.030 |
| GD 5 | 3/18/2021 | 3.4 | 7.15 | 8.98 | 16.9 | 30.6 | 0.600 | 0.127 | <0.100 | <0.030 |
| GD 5 | 5/5/2021 | 36.10 | 7.84 | 7.74 | 19.8 | 36.8 | <0.250 | 0.204 | <0.100 | <0.030 |
| GD 5 | 9/2/2021 | 10.28 | 7.84 | 6.90 | 26.5 | 16.1 | 0.510 | <0.100 | <0.100 | <0.030 |
| GD 5 | 11/23/2021 | 27.7 | 7.70 | 10.54 | 11.3 | 8.8 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 1/11/2022 | 26.8 | 7.28 | 12.25 | 10.1 | 12.1 | 0.510 | 0.300 | <0.10 | <0.0300 |
| GD 5 | 4/7/2022 | 16.4 | 7.72 | 9.32 | 17.2 | 14.4 | 0.300 | 0.157 | <0.100 | <0.0300 |
| GD 5 | 8/2/2022 | 13.0 | 7.86 | 6.60 | 29.1 | 6.4 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 11/16/2022 | 7.0 | 7.75 | 9.56 | 13.4 | 8.7 | 0.312 | <0.100 | <0.100 | <0.0300 |
| GD 5 | 2/14/2023 | 18.8 | 7.18 | 10.85 | 11.4 | 11.5 | 0.606 | 0.255 | <0.100 | <0.0300 |
| GD 5 | 5/25/2023 | 5.1 | 8.15 | 9.33 | 24.3 | 10.0 | 0.528 | 0.0534 | 0.0462 | 0.0250 |
| GD 5 | 8/7/2023 | 3.0 | 7.36 | 6.27 | 29.5 | 7.54 | 0.499 | <0.100 | 0.103 | <0.0300 |
| GD 5 | 12/12/2023 | 13.5 | 7.32 | 8.45 | 10.3 | 11.3 | 0.468 | 0.0820 | <0.0350 | <0.0140 |

## TABLE B.11 - HISTORICAL ANALYTICAL DATA - GD 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 5 | 1/10/2024 | 53.3 | 7.32 | 8.56 | 8.4 | 32.0 | 0.424 | 0.118 | 0.0681 | 0.0450 |
| GD 5 | 5/21/2024 | 11.0 | 7.75 | 9.12 | 24.8 | 8.9 | 0.443 | 0.131 | 0.0614 | <0.0300 |
| GD 5 | 9/16/2024 | 8.16 | 7.77 | 6.99 | 25.9 | 12.4 | 0.750 | <0.0500 | 0.0600 | <0.0140 |
| GD 5 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 20.3 | 0.285 | 0.139 | 0.0823 | <0.0196 |
| GD 5 | 2/18/2025 | 46.03* | 8.16* | 5.91* | NS | 23.0 | 0.440 | 0.151 | <0.0642 | 0.0270 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled
* Delayed measurement.

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 3/12/2013 | 33.3 | 7.54 | 9.48 | 13.90 | 49.0 | 0.83 | 0.19 | <0.100 | 0.081 |
| HB 3 | 5/20/2013 | 14.5 | 8.21 | 6.82 | 27.80 | 17.0 | 0.60 | 0.17 | <0.100 | <0.025 |
| HB 3 | 9/23/2013 | 21.3 | 8.02 | 4.89 | 25.70 | 19.0 | 0.60 | <0.100 | <0.100 | 0.037 |
| HB 3 | 12/10/2013 | 48.4 | 7.90 | 8.65 | 10.10 | 20.0 | 0.62 | <0.100 | 0.15 | 0.140 |
| HB 3 | 2/6/2014 | 32.0 | 7.22 | 12.24 | 5.90 | 13.0 | 0.37 | 0.48 | <0.100 | 0.030 |
| HB 3 | 6/26/2014 | 12.0 | 8.20 | 7.12 | NS | 12.0 | 0.37 | <0.100 | <0.100 | <0.025 |
| HB 3 | 9/30/2014 | 29.5 | 8.05 | 6.01 | 24.78 | 30.0 | 0.48 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2014 | 56.1 | 7.85 | 8.83 | 8.80 | 51.0 | 0.44 | 0.11 | 0.12 | 0.098 |
| HB 3 | 3/23/2015 | 27.0 | 8.21 | 8.40 | 24.20 | 35.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| HB 3 | 4/22/2015 | 25.0 | 7.91 | 8.36 | 21.90 | 22.0 | 0.66 | 0.20 | <0.100 | <0.025 |
| HB 3 | 9/30/2015 | 22.0 | 7.89 | 5.05 | 25.70 | 23.0 | 0.91 | <0.100 | <0.100 | <0.025 |
| HB 3 | 11/19/2015 | 32.0 | 7.83 | 7.37 | 17.40 | 30.2 | <0.25 | 0.377 | <0.100 | 0.045 |
| HB 3 | 3/15/2016 | 28.8 | 8.52 | 7.97 | 19.10 | 23.8 | <0.25 | 0.295 | <0.100 | 0.087 |
| HB 3 | 6/29/2016 | 17.3 | 8.02 | 2.77 | 30.61 | 20.9 | 0.51 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/9/2016 | 11.3 | 7.91 | 4.31 | 30.19 | 14.3 | 0.703 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/7/2016 | 16.0 | 7.93 | 8.44 | 12.81 | 17.0 | 0.730 | 0.111 | 0.126 | <0.025 |
| HB 3 | 3/2/2017 | 50.0 | 7.75 | 3.90 | 14.33 | 57.1 | 0.969 | 0.334 | 0.115 | <0.025 |
| HB 3 | 7/5/2017 | 23.1 | 7.29 | 5.36 | 27.00 | 28.5 | 0.812 | <0.100 | <0.100 | <0.025 |
| HB 3 | 8/16/2017 | 13.7 | 7.35 | 5.04 | 27.00 | 12.7 | 0.763 | <0.100 | <0.100 | <0.025 |
| HB 3 | 10/25/2017 | 11.7 | 6.64 | 9.93 | 18.5 | 20.4 | 0.322 | <0.100 | <0.100 | <0.025 |
| HB 3 | 3/28/2018 | 13.2 | 7.99 | 9.47 | 17.6 | 20.2 | <0.25 | 0.359 | <0.100 | <0.025 |
| HB 3 | 6/29/2018 | 14.6 | 7.67 | 5.55 | 26.0 | 18.2 | 0.464 | <0.100 | <0.100 | <0.025 |

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 8/2/2018 | 28.3 | 7.40 | 5.64 | 25.1 | 35.3 | 0.952 | <0.100 | <0.100 | <0.025 |
| HB 3 | 12/10/2018 | 24.8 | 7.55 | 10.98 | 7.9 | 27.6 | 0.426 | 0.363 | 0.141 | <0.025 |
| HB 3 | 4/15/2019 | 22.4 | 7.73 | 8.27 | 19.6 | 35.5 | <0.250 | 0.233 | <0.100 | <0.025 |
| HB 3 | 6/12/2019 | 12.4 | 8.13 | 6.77 | 26.6 | 52.3 | <0.250 | 0.129 | <0.100 | <0.025 |
| HB 3 | 8/27/2019 | 78.1 | 8.21 | 8.75 | 29.1 | 7.30 | 0.634 | <0.100 | 0.179 | <0.025 |
| HB 3 | 10/29/2019 | 28.2 | 7.82 | 9.88 | 18.3 | 17.6 | 0.517 | <0.100 | 0.166 | <0.025 |
| HB 3 | 3/30/2020 | 8.9 | 7.79 | 8.91 | 18.5 | 18.4 | 1.20 | 0.234 | <0.100 | <0.025 |
| HB 3 | 6/16/2020 | 20.4 | 7.33 | 7.01 | 26.3 | 14.6 | 0.30 | <0.100 | <0.100 | <0.030 |
| HB 3 | 9/21/2020 | 12.1 | 7.80 | 7.69 | 23.5 | 8.30 | 0.28 | <0.100 | <0.100 | <0.030 |
| HB 3 | 12/17/2020 | 31.16 | 8.07 | 9.94 | 9.1 | 20.4 | 0.588 | 0.195 | <0.100 | <0.030 |
| HB 3 | 3/18/2021 | 1.80 | 7.47 | 9.62 | 16.0 | 23.0 | 0.252 | 0.369 | <0.100 | <0.030 |
| HB 3 | 5/5/2021 | 28.31 | 7.50 | 7.71 | 22.0 | 35.1 | <0.250 | 0.207 | <0.100 | <0.030 |
| HB 3 | 9/2/2021 | 19.2 | 7.61 | 5.30 | 27.4 | 23.6 | 0.689 | <0.100 | <0.100 | <0.030 |
| HB 3 | 11/23/2021 | 51.55 | 7.15 | 10.59 | 11.2 | 10.5 | <0.250 | 0.137 | <0.100 | <0.0300 |
| HB 3 | 1/11/2022 | 26.9 | 7.75 | 11.26 | 12.8 | 23.6 | 0.550 | 0.200 | <0.10 | <0.0300 |
| HB 3 | 4/7/2022 | 27.8 | 7.61 | 9.40 | 18.1 | 21.0 | 0.329 | 0.268 | <0.100 | <0.0300 |
| HB 3 | 8/2/2022 | 31.2 | 8.05 | 5.89 | 28.9 | 33.7 | 0.273 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 11/16/2022 | 10.7 | 7.71 | 9.53 | 12.9 | 7.4 | 0.604 | <0.100 | <0.100 | <0.0300 |
| HB 3 | 2/14/2023 | 15.0 | 7.25 | 11.10 | 11.7 | 11.6 | 0.471 | 0.414 | <0.100 | <0.0300 |
| HB 3 | 5/25/2023 | 14.0 | 7.92 | 8.75 | 24.1 | 21.7 | 0.502 | 0.0574 | 0.0588 | <0.0140 |
| HB 3 | 8/7/2023 | 10.9 | 7.49 | 6.16 | 29.3 | 6.80 | 0.578 | <0.100 | 0.0895 | <0.0300 |
| HB 3 | 12/12/2023 | 41.3 | 7.71 | 8.45 | 10.6 | 36.8 | 0.383 | 0.126 | 0.0444 | <0.0140 |

## TABLE B.12 - HISTORICAL ANALYTICAL DATA - HB 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| HB 3 | 1/10/2024 | 30.5 | 7.74 | 9.14 | 8.5 | 31.7 | 0.305 | 0.354 | 0.0752 | 0.0250 |
| HB 3 | 5/21/2024 | 36.9 | 7.51 | 8.92 | 24.2 | 28.6 | 0.357 | 0.080 | 0.0557 | <0.0300 |
| HB 3 | 9/16/2024 | 9.59 | 7.63 | 7.12 | 25.1 | 12.2 | 0.637 | <0.0500 | 0.0711 | <0.0140 |
| HB 3 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 30.0 | 0.352 | 0.202 | 0.4520 | <0.0196 |
| HB 3 | 2/18/2025 | 61.45* | 8.20* | 6.45* | NS | 45.7 | 0.373 | 0.349 | 0.0842 | 0.0480 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled
* Delayed measurement

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 3/12/2013 | 28.3 | 8.23 | 7.53 | 10.3 | 21.0 | 0.61 | <0.100 | <0.100 | 0.088 |
| RC 14 | 5/8/2013 | 29.5 | 6.72 | 1.78 | 21.4 | 16.0 | 0.63 | 0.14 | <0.100 | <0.12 |
| RC 14 | 9/23/2013 | 18.4 | 7.86 | 6.68 | 24.7 | 13.0 | 0.58 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/10/2013 | 40.0 | 8.45 | 9.50 | 8.2 | 16.0 | 0.69 | <0.100 | 0.11 | 0.100 |
| RC 14 | 2/6/2014 | 66.6 | 7.15 | 10.94 | 4.9 | 18.0 | 0.70 | 0.16 | 0.11 | 0.036 |
| RC 14 | 6/26/2014 | 6.2 | 8.21 | 6.30 | NS | 5.9 | 0.39 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/30/2014 | 12.4 | 7.20 | 6.20 | 23.5 | 12.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| RC 14 | 9/19/2014 | 50.3 | 8.20 | 10.10 | 7.5 | 28.0 | 0.52 | <0.100 | 0.13 | 0.085 |
| RC 14 | 3/23/2015 | 70.0 | 8.03 | 7.80 | 18.2 | 34.0 | 1.10 | 0.26 | <0.100 | 0.070 |
| RC 14 | 4/22/2015 | 30.0 | 7.77 | 7.25 | 18.1 | 15.0 | 0.40 | 0.20 | <0.100 | <0.025 |
| RC 14 | 9/30/2015 | 17.0 | 8.28 | 5.63 | 24.4 | 12.6 | 0.454 | <0.100 | <0.100 | <0.025 |
| RC 14 | 11/19/2015 | 95.0 | 7.32 | 6.07 | 17.71 | 36.0 | 0.633 | 0.137 | 0.135 | <0.025 |
| RC 14 | 3/15/2016 | 85.0 | 8.13 | 7.73 | 18.5 | 69.6 | 0.434 | 0.106 | 0.304 | <0.025 |
| RC 14 | 6/29/2016 | 17.2 | 7.58 | 2.17 | 28.53 | 17.5 | 0.460 | <0.100 | <0.100 | 0.037 |
| RC 14 | 8/9/2016 | 10.4 | 7.05 | 2.35 | 28.53 | 8.5 | 0.547 | <0.100 | <0.100 | <0.025 |
| RC 14 | 12/7/2016 | 7.9 | 7.21 | 6.47 | 11.62 | 8.6 | 0.252 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/2/2017 | 18.0 | 7.32 | 3.55 | 12.69 | 14.6 | 0.608 | 0.12 | <0.100 | <0.025 |
| RC 14 | 7/5/2017 | 17.7 | 7.55 | 6.56 | 25.7 | 35.0 | 0.357 | 0.279 | <0.100 | 0.041 |
| RC 14 | 8/16/2017 | 9.8 | 7.72 | 5.54 | 26.7 | 12.4 | 0.400 | 0.21 | <0.100 | 0.042 |
| RC 14 | 10/25/2017 | 18.7 | 7.64 | 7.26 | 17.1 | 27.2 | 0.465 | 0.24 | 0.149 | 0.088 |
| RC 14 | 3/28/2018 | 9.9 | 8.03 | 9.00 | 18.3 | 10.9 | <0.25 | 0.148 | <0.100 | <0.025 |
| RC 14 | 6/29/2018 | 12.9 | 7.64 | 5.89 | 27.1 | 13.8 | 0.722 | <0.100 | <0.100 | <0.025 |

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 8/2/2018 | 21.7 | 7.30 | 5.56 | 23.7 | 17.3 | 0.848 | <0.100 | <0.100 | 0.055 |
| RC 14 | 12/10/2018 | 35.1 | 7.13 | 10.63 | 7.3 | 16.9 | 1.400 | <0.100 | 0.169 | 0.038 |
| RC 14 | 4/15/2019 | 45.8 | 7.68 | 7.67 | 19.5 | 36.0 | 0.403 | 0.108 | <0.100 | <0.025 |
| RC 14 | 6/12/2019 | 11.0 | 8.03 | 7.39 | 25.3 | 12.3 | 0.250 | 0.120 | <0.100 | <0.025 |
| RC 14 | 8/27/2019 | 76.4 | 8.36 | 8.78 | 28.4 | 8.8 | 0.391 | <0.100 | 0.141 | <0.025 |
| RC 14 | 10/29/2019 | 17.4 | 7.90 | 9.83 | 17.7 | 10.6 | 0.478 | <0.100 | <0.100 | <0.025 |
| RC 14 | 3/30/2020 | 12.9 | 8.10 | 10.01 | 21.9 | 15.7 | 0.451 | <0.100 | <0.100 | <0.025 |
| RC 14 | 6/16/2020 | 11.5 | 6.79 | 8.01 | 26.9 | 11.4 | 0.560 | 0.141 | <0.100 | <0.030 |
| RC 14 | 9/21/2020 | 13.7 | 7.49 | 9.65 | 21.9 | 8.2 | 0.307 | <0.100 | 0.202 | <0.030 |
| RC 14 | 12/17/2020 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 3/18/2021 | 25.8 | 7.72 | 10.40 | 9.3 | 14.4 | 0.497 | 0.261 | <0.100 | <0.030 |
| RC 14 | 5/5/2021 | 33.45 | 7.68 | 7.99 | 20.9 | 30.4 | 0.566 | <0.100 | <0.100 | <0.030 |
| RC 14 | 9/2/2021 | 16.75 | 7.87 | 7.11 | 25.7 | 23.2 | 0.350 | 0.210 | <0.100 | 0.040 |
| RC 14 | 11/23/2021 | 24.6 | 7.96 | 10.57 | 13.3 | 40.2 | <0.250 | <0.100 | 0.103 | <0.0300 |
| RC 14 | 1/11/2022 | 66.4 | 7.40 | 11.82 | 10.4 | 20.6 | 1.500 | 0.170 | <0.10 | <0.0300 |
| RC 14 | 4/7/2022 | 99.0 | 7.76 | 8.27 | 17.6 | 178 | 0.548 | <0.100 | 0.101 | <0.0300 |
| RC 14 | 8/2/2022 | 12.9 | 8.29 | 7.67 | 30.2 | 11.1 | 0.332 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 11/16/2022 | 6.8 | 7.79 | 9.06 | 12.4 | 9.2 | <0.250 | <0.100 | <0.100 | <0.0300 |
| RC 14 | 2/14/2023 | 36.9 | 6.92 | 10.48 | 12.2 | 17.9 | 0.423 | 0.107 | <0.100 | <0.0300 |
| RC 14 | 5/25/2023 | 16.0 | 7.41 | 8.75 | 26.4 | 17.2 | 0.945 | <0.0500 | 0.0850 | <0.0140 |
| RC 14 | 8/7/2023 | 19.1 | 7.20 | 6.63 | 29.1 | 15.0 | 0.604 | <0.100 | 0.150 | 0.0360 |
| RC 14 | 12/12/2023 | 19.8 | 7.64 | 8.64 | 9.8 | 38.2 | 0.451 | <0.0500 | 0.0358 | <0.0140 |

## TABLE B.13 - HISTORICAL ANALYTICAL DATA - RC 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| RC 14 | 1/10/2024 | 46.4 | 6.97 | 8.53 | 8.1 | 50.0 | 0.785 | 0.294 | 0.117 | 0.0420 |
| RC 14 | 5/21/2024 | 13.9 | 7.91 | 10.48 | 27.1 | 8.4 | 0.667 | <0.100 | 0.080 | <0.0300 |
| RC 14 | 9/16/2024 | 8.39 | 8.15 | 8.44 | 26.2 | 14.4 | 0.738 | <0.0500 | 0.0709 | <0.0140 |
| RC 14 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 65.6 | 0.561 | 0.315 | 0.1080 | 0.0790 |
| RC 14 | 2/18/2025 | 67.52* | 7.86* | 6.12* | NS | 250 | 0.501 | 0.141 | 0.236 | 0.0220 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled
* Delayed measurement

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| SME 1 | 3/12/2013 | 13.1 | 8.19 | 8.26 | 13.10 | 16.0 | 0.34 | 0.54 | 0.11 | 0.110 | NS |
| SME 1 | 5/8/2013 | 24.0 | 7.64 | 8.96 | 16.00 | 14.0 | 0.42 | 0.15 | <0.100 | 0.063 | NS |
| SME 1 | 9/23/2013 | 14.2 | 8.26 | 7.87 | 27.70 | 15.0 | 0.80 | <0.100 | <0.100 | 0.053 | NS |
| SME 1 | 12/10/2013 | 46.3 | 8.05 | 9.15 | 7.60 | 21.0 | 0.47 | 0.55 | 0.26 | 0.210 | NS |
| SME 1 | 2/6/2014 | 61.0 | 7.22 | 11.34 | 5.90 | 23.0 | 0.50 | 0.55 | 0.13 | 0.110 | NS |
| SME 1 | 6/26/2014 | 14.0 | 8.49 | 7.05 | NS | 13.0 | 0.31 | <0.100 | <0.100 | <0.025 | NS |
| SME 1 | 9/30/2014 | 27.6 | 8.25 | 7.46 | 24.67 | 34.0 | 0.61 | <0.100 | 0.11 | 0.044 | NS |
| SME 1 | 11/19/2014 | 40.1 | 8.31 | 10.86 | 7.80 | 19.0 | 0.55 | 0.74 | 0.29 | 0.270 | NS |
| SME 1 | 3/23/2015 | 21.0 | 8.26 | 8.52 | 17.30 | 14.0 | <0.250 | 0.51 | 0.10 | 0.073 | NS |
| SME 1 | 4/22/2015 | 29.0 | 7.14 | 7.97 | 18.50 | 18.0 | 0.38 | 0.40 | <0.100 | 0.039 | NS |
| SME 1 | 9/30/2015 | 15.0 | 8.34 | 7.03 | 26.40 | 15.3 | 0.807 | <0.100 | 0.135 | 0.052 | NS |
| SME 1 | 11/19/2015 | 50.0 | 7.92 | 7.04 | 15.90 | 23.2 | <0.250 | 0.401 | 0.134 | 0.084 | NS |
| SME 1 | 3/15/2016 | 26.2 | 8.44 | 7.21 | 18.30 | 17.7 | <0.250 | 0.454 | <0.100 | 0.047 | NS |
| SME 1 | 6/29/2016 | 21.2 | 8.80 | 3.29 | 30.67 | 20.3 | 0.620 | <0.100 | 0.245 | 0.180 | NS |
| SME 1 | 8/9/2016 | 15.3 | 8.55 | 4.98 | 28.87 | 12.6 | 0.547 | <0.100 | 0.154 | 0.089 | NS |
| SME 1 | 12/7/2016 | 31.0 | 7.96 | 10.20 | 11.98 | 17.7 | 0.378 | 0.413 | 0.271 | 0.209 | NS |
| SME 1 | 3/2/2017 | 14.0 | 7.75 | 4.31 | 12.34 | 15.0 | 0.345 | 0.671 | 0.208 | 0.127 | NS |
| SME 1 | 6/29/2017 | 19.2 | 9.11 | 9.21 | 25.8 | 18.3 | 0.530 | <0.100 | 0.000 | 0.028 | NS |
| SME 1 | 8/16/2017 | 10.6 | 8.12 | 6.58 | 29.7 | 12.7 | 0.520 | <0.100 | 0.111 | <0.025 | NS |
| SME 1 | 10/25/2017 | 5.4 | 8.02 | 8.32 | 17.3 | 16.9 | 0.288 | 0.368 | 0.151 | 0.121 | NS |
| SME 1 | 3/28/2018 | 19.3 | 8.10 | 9.18 | 17.6 | 19.8 | <0.250 | 0.633 | 0.000 | 0.106 | NS |
| SME 1 | 6/29/2018 | 20.7 | 7.84 | 6.37 | 26.2 | 23.3 | 0.670 | 0.312 | 0.241 | 0.121 | NS |
| SME 1 | 8/2/2018 | 28.5 | 7.48 | 5.82 | 23.9 | 29.5 | 0.495 | 0.296 | 0.136 | 0.145 | NS |
| SME 1 | 12/10/2018 | 32.0 | 7.45 | 11.48 | 8.0 | 31.0 | 0.336 | 0.259 | <0.100 | <0.025 | NS |

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| SME 1 | 4/15/2019 | 42.2 | 7.89 | 7.89 | 19.7 | 35.0 | 0.360 | 0.390 | <0.100 | 0.063 | NS |
| SME 1 | 6/12/2019 | 12.2 | 7.34 | 8.73 | 27.2 | 9.7 | <0.250 | <0.100 | <0.100 | <0.025 | NS |
| SME 1 | 8/27/2019 | 135.2 | 7.45 | 8.51 | 28.8 | 7.1 | 0.356 | <0.100 | 0.161 | <0.025 | NS |
| SME 1 | 10/29/2019 | 14.5 | 7.95 | 9.21 | 17.6 | 11.0 | 0.272 | 0.129 | 0.134 | 0.049 | NS |
| SME 1 | 3/30/2020 | 13.3 | 7.35 | 8.61 | 19.3 | 13.3 | <0.250 | 0.462 | <0.100 | <0.025 | NS |
| SME 1 | 6/16/2020 | 11.6 | 8.58 | 10.36 | 27.0 | 11.4 | 0.485 | <0.100 | 0.129 | 0.031 | NS |
| SME 1 | 9/21/2020 | 13.8 | 7.71 | 6.92 | 22.2 | 9.0 | <0.250 | <0.100 | <0.100 | <0.030 | NS |
| SME 1 | 12/17/2020 | 23.19 | 7.66 | 10.68 | 9.2 | 20.9 | 0.300 | 0.577 | <0.100 | 0.072 | NS |
| SME 1 | 3/18/2021 | 14.10 | 7.24 | 9.54 | 15.7 | 90.4 | 0.580 | 0.263 | <0.100 | 0.112 | NS |
| SME 1 | 5/5/2021 | 28.83 | 7.43 | 8.53 | 20.1 | 34.0 | 0.402 | 0.122 | <0.100 | <0.030 | NS |
| SME 1 | 9/2/2021 | 23.89 | 7.80 | 6.93 | 25.8 | 35.8 | 0.353 | 0.458 | 0.218 | 0.190 | NS |
| SME 1 | 11/23/2021 | 18.42 | 7.91 | 11.34 | 12.4 | 12.7 | <0.250 | <0.100 | 0.165 | 0.076 | NS |
| SME 1 | 1/11/2022 | 161.2 | 7.55 | 11.29 | 10.2 | 17.0 | 1.800 | 8.200 | <0.10 | 0.054 | NS |
| SME 1 | 4/7/2022 | 112.9 | 7.65 | 9.26 | 17.2 | 140 | 0.544 | 0.431 | 0.255 | 0.192 | NS |
| SME 1 | 8/2/2022 | 12.0 | 8.10 | 7.98 | 29.2 | 6.3 | 0.281 | <0.100 | <0.100 | <0.0300 | NS |
| SME 1 | 11/16/2022 | 5.78 | 7.86 | 9.45 | 14.3 | 7.9 | 0.306 | <0.100 | <0.100 | <0.0300 | NS |
| SME 1 | 2/14/2023 | 15.5 | 7.26 | 11.23 | 11.0 | 11.3 | 0.281 | 0.372 | <0.100 | <0.0300 | NS |
| SME 1 | 5/25/2023 | 6.6 | 8.38 | 10.64 | 24.5 | 10.6 | 0.694 | <0.0500 | 0.0961 | 0.0430 | NS |
| SME 1 | 8/7/2023 | 11.7 | 8.01 | 7.58 | 30.2 | 13.9 | 0.552 | <0.100 | 0.170 | 0.0670 | NS |
| SME 1 | 12/12/2023 | 17.2 | 7.36 | 8.99 | 9.2 | 10.4 | 0.434 | 0.172 | 0.262 | 0.219 | NS |
| SME 1 | 1/10/2024 | 60.2 | 7.27 | 9.03 | 7.9 | 53.0 | 0.542 | 0.511 | 0.264 | 0.224 | NS |
| SME 1 | 5/21/2024 | 22.2 | 8.21 | 11.59 | 25.8 | 14.6 | 0.597 | <0.100 | 0.112 | <0.0300 | NS |
| SME 1 | 9/16/2024 | 3.45 | 8.15 | 8.55 | 26.4 | 7.11 | 0.699 | <0.0500 | 0.0871 | <0.0140 | NS |
| SME 1 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 19.40 | 0.334 | 0.327 | 0.2820 | <0.0196 | NS |

## TABLE B.14 - HISTORICAL ANALYTICAL DATA - SME 1
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) | E. Coli (MPN/100ml) |
| SME 1 | 2/18/2025 | 37.00* | 8.03* | 6.26* | NS | 20.1 | 0.416 | 0.776 | 0.106 | 0.0850 | 1990 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

* Delayed measurement

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 3/13/2013 | 17.1 | 7.84 | 7.44 | 11.30 | 15.0 | 0.69 | 0.20 | <0.100 | 0.038 |
| SME 3 | 5/20/2013 | 18.5 | 8.11 | 6.09 | 23.60 | 19.0 | 0.69 | 0.17 | <0.100 | 0.028 |
| SME 3 | 9/23/2013 | 15.3 | EF | 5.32 | 26.50 | 13.0 | 0.53 | <0.100 | <0.100 | 0.029 |
| SME 3 | 12/10/2013 | 48.3 | 7.69 | 8.85 | 9.60 | 20.0 | 0.62 | <0.100 | <0.100 | 0.086 |
| SME 3 | 2/6/2014 | 82.7 | 7.09 | 10.62 | 6.30 | 33.0 | 0.69 | 0.25 | <0.100 | <0.025 |
| SME 3 | 6/26/2014 | 50.0 | 8.04 | 7.03 | NS | 30.0 | 0.53 | <0.100 | <0.100 | 0.047 |
| SME 3 | 9/30/2014 | 17.3 | 8.08 | 5.98 | 25.33 | 18.0 | 0.66 | <0.100 | <0.100 | <0.025 |
| SME 3 | 11/19/2014 | 22.4 | 8.30 | 10.40 | 9.30 | 19.0 | <0.250 | 0.12 | <0.100 | 0.035 |
| SME 3 | 3/23/2015 | 25.0 | 8.13 | 7.72 | 21.20 | 16.0 | 0.46 | 0.24 | <0.100 | 0.026 |
| SME 3 | 4/22/2015 | 12.0 | 7.76 | 6.70 | 21.80 | 14.0 | 0.45 | 0.15 | <0.100 | <0.025 |
| SME 3 | 9/30/2015 | 18.0 | 7.96 | 6.19 | 25.60 | 24.4 | 0.42 | 0.125 | 0.129 | <0.025 |
| SME 3 | 11/19/2015 | 65.0 | 7.56 | 7.44 | 15.80 | 37.8 | <0.250 | 0.253 | <0.100 | 0.032 |
| SME 3 | 3/15/2016 | 68.4 | 8.35 | 7.51 | 19.20 | 78.8 | <0.250 | 0.295 | <0.100 | <0.025 |
| SME 3 | 6/29/2016 | 17.7 | 7.80 | 2.56 | 30.16 | 15.3 | 0.37 | <0.100 | <0.100 | 0.062 |
| SME 3 | 8/9/2016 | 14.8 | 7.52 | 3.43 | 29.53 | 10.8 | 0.564 | <0.100 | <0.100 | <0.025 |
| SME 3 | 12/7/2016 | 8.5 | 7.90 | 10.91 | 11.85 | 9.4 | 1.780 | <0.100 | 0.147 | <0.025 |
| SME 3 | 3/2/2017 | 14.6 | 7.95 | 4.60 | 13.64 | 17.0 | 0.733 | 0.272 | <0.100 | <0.025 |
| SME 3 | 7/5/2017 | 12.5 | 7.54 | 5.88 | 27.3 | 16.3 | 0.628 | <0.100 | <0.100 | 0.039 |
| SME 3 | 8/16/2017 | 11.5 | 7.86 | 5.00 | 28.1 | 18.5 | 0.446 | <0.100 | <0.100 | 0.07 |
| SME 3 | 10/25/2017 | 15.3 | 7.42 | 8.23 | 19.4 | 49.7 | 0.376 | <0.100 | 0.106 | 0.053 |
| SME 3 | 3/28/2018 | 8.9 | 7.98 | 9.44 | 17.4 | 11.2 | <0.250 | 0.220 | <0.100 | <0.025 |
| SME 3 | 6/29/2018 | 15.8 | 7.53 | 5.39 | 26.9 | 115.0 | 0.800 | <0.100 | <0.100 | <0.025 |

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 8/2/2018 | 30.0 | 7.59 | 5.66 | 26.4 | 56.0 | 0.981 | <0.100 | 0.108 | <0.025 |
| SME 3 | 12/10/2018 | 33.1 | 7.21 | 10.68 | 7.0 | 27.1 | 0.433 | <0.100 | 0.127 | <0.025 |
| SME 3 | 4/15/2019 | 552.6 | 7.78 | 7.65 | 19.7 | 371 | 0.271 | 0.234 | 0.285 | <0.025 |
| SME 3 | 6/12/2019 | 7.8 | 7.48 | 6.87 | 27.1 | 10.7 | <0.250 | <0.100 | <0.100 | <0.025 |
| SME 3 | 8/27/2019 | 55.3 | 7.91 | 8.41 | 29.2 | 7.0 | 0.389 | <0.100 | 0.149 | <0.025 |
| SME 3 | 10/29/2019 | 22.4 | 7.77 | 8.44 | 17.2 | 15.4 | 0.390 | <0.100 | <0.100 | <0.025 |
| SME 3 | 3/30/2020 | 14.4 | 7.51 | 8.91 | 18.8 | 18.2 | 0.657 | 0.239 | <0.100 | <0.025 |
| SME 3 | 6/16/2020 | 9.2 | 8.06 | 7.95 | 27.1 | 10.1 | 0.466 | <0.100 | 0.102 | <0.030 |
| SME 3 | 9/21/2020 | 15.3 | 7.67 | 6.50 | 23.0 | 10.7 | 0.660 | <0.100 | <0.100 | <0.030 |
| SME 3 | 12/17/2020 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 3/18/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 5/5/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 9/2/2021 | 102.33 | 7.75 | 5.64 | 26.3 | 267 | 1.24 | <0.100 | 0.234 | 0.057 |
| SME 3 | 11/23/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 3 | 1/11/2022 | 109.4 | 7.58 | 11.17 | 9.9 | 15.4 | 0.520 | 0.390 | <0.10 | <0.0300 |
| SME 3 | 4/7/2022 | 32.3 | 7.69 | 8.99 | 16.6 | 27.0 | 0.406 | 0.181 | <0.100 | <0.0300 |
| SME 3 | 8/2/2022 | 11.0 | 7.81 | 6.35 | 29.2 | 5.6 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 11/16/2022 | 7.3 | 7.76 | 9.28 | 13.6 | 10.3 | 0.294 | <0.100 | <0.100 | <0.0300 |
| SME 3 | 2/14/2023 | 33.2 | 7.18 | 10.81 | 10.8 | 66.4 | 0.351 | 0.325 | <0.100 | <0.0300 |
| SME 3 | 5/25/2023 | 7.6 | 7.51 | 7.99 | 24.0 | 11.0 | 0.515 | <0.0500 | 0.0569 | <0.0140 |
| SME 3 | 8/7/2023 | 9.9 | 7.46 | 6.74 | 29.7 | 14.4 | 0.424 | <0.100 | 0.0912 | <0.0300 |

## TABLE B.15 - HISTORICAL ANALYTICAL DATA - SME 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 3 | 12/12/2023 | 32.5 | 7.01 | 8.06 | 10.2 | 13.4 | 0.502 | 0.103 | <0.0350 | <0.0140 |
| SME 3 | 1/10/2024 | 33.1 | 7.27 | 9.25 | 7.6 | 44.8 | 0.392 | 0.348 | 0.0956 | 0.0270 |
| SME 3 | 5/21/2024 | 18.8 | 8.12 | 10.05 | 25.1 | 24.6 | 0.545 | <0.100 | 0.0739 | <0.0300 |
| SME 3 | 9/16/2024 | 7.12 | 7.73 | 7.45 | 26.3 | 12.7 | 0.784 | <0.0500 | 0.108 | <0.0140 |
| SME 3 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 111.0 | 0.411 | 0.146 | 0.024 | <0.0196 |
| SME 3 | 2/18/2025 | 58.35* | 8.91* | 6.15* | NS | 37.3 | 0.453 | 0.258 | 0.102 | 0.159 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

* Delayed measurement

## TABLE B.16 - HISTORICAL ANALYTICAL DATA - SME 4
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 4 | 12/17/2020 | 17.70 | 7.69 | 10.82 | 9.80 | 17.8 | 0.263 | 0.387 | <0.10 | <0.03 |
| SME 4 | 3/18/2021 | 2.20 | 7.25 | 9.20 | 17.60 | 21.6 | 0.331 | 0.319 | <0.100 | <0.030 |
| SME 4 | 5/5/2021 | 20.02 | 7.86 | 7.81 | 21.0 | 27.5 | <0.250 | 0.213 | <0.100 | <0.030 |
| SME 4 | 9/2/2021 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| SME 4 | 11/23/2021 | 48.51 | 7.64 | 10.41 | 10.6 | 9.2 | <0.250 | 0.164 | <0.100 | <0.0300 |
| SME 4 | 1/11/2022 | 17.30 | 7.39 | 11.35 | 13.40 | 15.6 | 0.97 | 0.44 | <0.10 | <0.0300 |
| SME 4 | 4/7/2022 | 21.6 | 7.55 | 9.30 | 16.7 | 20.9 | 0.254 | 0.273 | <0.100 | 0.060 |
| SME 4 | 8/2/2022 | 14.0 | 7.79 | 6.24 | 29.1 | 6.00 | 0.274 | 0.102 | <0.100 | <0.0300 |
| SME 4 | 11/16/2022 | 9.91 | 7.69 | 9.45 | 12.5 | 10.5 | 0.382 | <0.100 | <0.100 | <0.0300 |
| SME 4 | 2/14/2023 | 15.8 | 7.27 | 10.99 | 11.3 | 22.5 | 0.484 | 0.416 | <0.100 | <0.0300 |
| SME 4 | 5/25/2023 | 3.4 | 8.33 | 9.53 | 24.6 | 6.71 | 0.513 | <0.0500 | <0.0350 | <0.0140 |
| SME 4 | 8/7/2023 | 3.2 | 7.44 | 6.51 | 29.7 | 7.00 | 0.436 | <0.100 | 0.0866 | <0.0300 |
| SME 4 | 12/12/2023 | 14.0 | 7.57 | 8.33 | 10.8 | 13.8 | 0.497 | 0.140 | 0.0454 | <0.0140 |
| SME 4 | 1/10/2024 | 30.4 | 7.65 | 9.21 | 7.5 | 34.4 | 0.327 | 0.354 | 0.0532 | 0.0200 |
| SME 4 | 5/21/2024 | 21.0 | 7.38 | 9.03 | 24.6 | 12.0 | 0.565 | 0.143 | 0.0925 | <0.0300 |
| SME 4 | 9/16/2024 | 3.44 | 7.68 | 6.79 | 25.3 | 11.5 | 0.709 | <0.0500 | 0.0824 | <0.0140 |
| SME 4 | 12/11/2024 | 7.80 | 7.93 | 10.58 | 9.6 | 11.6 | 0.305 | 0.202 | 0.0652 | <0.0196 |
| SME 4 | 2/18/2025 | 61.00* | 8.50* | 6.39* | NS | 45.1 | 0.434 | 0.368 | 0.0946 | 0.0330 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

* Delayed measurement

## TABLE B.17 - HISTORICAL ANALYTICAL DATA - SME 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 5 | 12/17/2020 | 15.24 | 7.80 | 10.94 | 10.00 | 17.7 | 0.258 | 0.371 | <0.100 | <0.030 |
| SME 5 | 3/18/2021 | 1.70 | 7.83 | 9.59 | 15.90 | 23.0 | 0.317 | 0.316 | <0.100 | <0.030 |
| SME 5 | 5/5/2021 | 50.11 | 7.80 | 7.96 | 21.2 | 60.6 | 0.410 | <0.100 | <0.100 | <0.030 |
| SME 5 | 9/2/2021 | 15.15 | 8.02 | 6.42 | 28.2 | 31.8 | 0.325 | 0.128 | <0.100 | <0.030 |
| SME 5 | 11/23/2021 | 68.29 | 7.78 | 10.42 | 14.9 | 14.0 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 5 | 1/11/2022 | 24.90 | 7.66 | 10.46 | 14.7 | 16.6 | 1.50 | 0.450 | <0.10 | 0.035 |
| SME 5 | 4/7/2022 | 55.4 | 7.99 | 9.43 | 17.4 | 25.4 | 0.385 | 0.290 | <0.100 | <0.0300 |
| SME 5 | 8/2/2022 | 12.0 | 8.26 | 7.16 | 30.4 | 7.30 | 0.277 | 0.102 | <0.100 | <0.0300 |
| SME 5 | 11/16/2022 | 7.26 | 7.91 | 9.00 | 14.7 | 11.1 | 0.347 | 0.113 | <0.100 | <0.0300 |
| SME 5 | 2/14/2023 | 15.1 | 7.17 | 10.93 | 12.2 | 12.3 | 0.302 | 0.425 | <0.100 | <0.0300 |
| SME 5 | 5/25/2023 | 7.1 | 8.06 | 9.41 | 25.4 | 11.4 | 0.564 | 0.155 | 0.0593 | <0.0140 |
| SME 5 | 8/7/2023 | 5.6 | 7.71 | 7.47 | 30.6 | 8.60 | 0.677 | 0.0568 | 0.122 | <0.0300 |
| SME 5 | 12/12/2023 | 9.1 | 7.58 | 8.67 | 10.9 | 8.93 | 0.465 | 0.127 | 0.0370 | <0.0140 |
| SME 5 | 1/10/2024 | 31.4 | 7.12 | 9.53 | 7.9 | 51.5 | 0.366 | 0.488 | 0.0773 | 0.0170 |
| SME 5 | 5/21/2024 | 13.9 | 7.81 | 9.72 | 26.0 | 12.3 | 0.653 | 0.179 | 0.0938 | <0.0300 |
| SME 5 | 9/16/2024 | 5.02 | 8.23 | 8.27 | 26.8 | 8.60 | 0.792 | 0.0936 | 0.0952 | <0.0140 |
| SME 5 | 12/11/2024 | 7.90 | 7.87 | 10.56 | 10.0 | 8.80 | 0.407 | 0.2130 | 0.0348 | <0.0196 |
| SME 5 | 2/18/2025 | 77.89* | 8.53* | 6.35* | NS | 62.8 | 0.477 | 0.351 | 0.0855 | 0.0310 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled
* Delayed measurement

## TABLE B.18 - HISTORICAL ANALYTICAL DATA - SME 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 6 | 12/17/2020 | 13.6 | 7.96 | 10.89 | 10.1 | 16.7 | <0.25 | 0.368 | <0.10 | <0.03 |
| SME 6 | 3/18/2021 | 3.3 | 7.65 | 9.84 | 15.5 | 47.2 | 0.618 | 0.358 | <0.100 | <0.030 |
| SME 6 | 5/5/2021 | 62.3 | 7.75 | 7.80 | 19.9 | 82.8 | 0.403 | 0.183 | <0.100 | <0.030 |
| SME 6 | 9/2/2021 | 13.3 | 8.19 | 6.72 | 27.7 | 19.0 | 0.353 | 0.131 | 0.430 | <0.030 |
| SME 6 | 11/23/2021 | 9.8 | 7.68 | 10.35 | 15.1 | 11.2 | <0.250 | 0.231 | <0.100 | <0.0300 |
| SME 6 | 1/11/2022 | 24.4 | 7.72 | 11.24 | 10.2 | 16.9 | 2.40 | 0.450 | <0.10 | <0.0300 |
| SME 6 | 4/7/2022 | 31.4 | 7.95 | 9.63 | 18.0 | 28.8 | 0.373 | 0.270 | <0.100 | <0.0300 |
| SME 6 | 8/2/2022 | 11.1 | 8.25 | 8.26 | 30.9 | 8.40 | <0.250 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 11/16/2022 | 8.0 | 7.87 | 9.34 | 14.0 | 11.3 | 0.308 | <0.100 | <0.100 | <0.0300 |
| SME 6 | 2/14/2023 | 17.7 | 7.31 | 10.83 | 12.8 | 14.9 | 0.319 | 0.374 | <0.100 | <0.0300 |
| SME 6 | 5/25/2023 | 6.7 | 8.00 | 9.79 | 25.2 | 10.0 | 0.580 | 0.0655 | 0.0424 | <0.0140 |
| SME 6 | 8/7/2023 | 9.2 | 7.66 | 7.19 | 30.6 | 12.4 | 0.620 | <0.100 | 0.095 | <0.0300 |
| SME 6 | 12/12/2023 | 10.3 | 7.57 | 8.62 | 11.4 | 10.1 | 0.440 | 0.110 | 0.0507 | <0.0140 |
| SME 6 | 1/10/2024 | 31.0 | 7.24 | 9.50 | 7.9 | 39.5 | 0.413 | 0.344 | 0.0849 | 0.0140 |
| SME 6 | 5/21/2024 | 28.4 | 7.82 | 9.84 | 26.4 | 47.6 | 0.287 | 0.100 | 0.0700 | <0.0300 |
| SME 6 | 9/16/2024 | 7.03 | 8.28 | 8.30 | 26.6 | 20.4 | 0.767 | <0.0500 | 0.0908 | <0.0140 |
| SME 6 | 12/11/2024 | 61.00 | 7.95 | 10.59 | 10.7 | 103.0 | 0.326 | 0.179 | 0.0250 | <0.0196 |
| SME 6 | 2/18/2025 | 77.34* | 8.26* | 6.30* | NS | 230 | 0.484 | 0.366 | 0.161 | 0.0320 |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

EF - meter malfunctioned in field

NS - Not Sampled

* Delayed measurement

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 3/12/2013 | 5.98 | 8.38 | 9.87 | 10.80 | 7.2 | 0.39 | 0.30 | <0.100 | 0.031 |
| SS 5 | 5/8/2013 | 24.4 | 7.38 | 7.19 | 16.80 | 21.0 | 0.62 | 0.16 | <0.100 | <0.12 |
| SS 5 | 9/23/2013 | 13.8 | 8.00 | 5.44 | 25.80 | 15.0 | 1.30 | <0.100 | <0.100 | 0.029 |
| SS 5 | 12/10/2013 | 22.8 | 8.25 | 9.10 | 7.70 | 13.0 | 0.67 | 0.24 | 0.11 | 0.043 |
| SS 5 | 2/6/2014 | 27.5 | 7.20 | 12.09 | 5.40 | 12.0 | 0.86 | 0.39 | <0.100 | <0.025 |
| SS 5 | 6/26/2014 | 11.0 | 8.53 | 7.01 | NS | 11.0 | 0.40 | <0.100 | <0.100 | <0.025 |
| SS 5 | 9/30/2014 | 11.2 | 7.64 | 6.82 | 24.44 | 11.0 | 0.45 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2014 | 14.1 | 8.96 | 13.13 | 8.50 | 9.6 | 0.35 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/23/2015 | 18.0 | 8.50 | 8.99 | 17.70 | 11.0 | 0.46 | 0.26 | <0.100 | <0.025 |
| SS 5 | 4/22/2015 | 19.0 | 7.76 | 6.71 | 20.20 | 13.0 | 0.47 | 0.15 | <0.100 | <0.025 |
| SS 5 | 9/30/2015 | 11.0 | 8.26 | 6.61 | 25.30 | 9.9 | 0.606 | <0.100 | <0.100 | <0.025 |
| SS 5 | 11/19/2015 | 19.0 | 7.86 | 8.47 | 15.90 | 11.0 | <0.250 | 0.239 | <0.100 | <0.025 |
| SS 5 | 3/15/2016 | 20.0 | 8.37 | 8.47 | 17.20 | 9.5 | 0.279 | 0.264 | 0.225 | <0.025 |
| SS 5 | 6/29/2016 | 14.7 | 8.01 | 3.81 | 29.77 | 13.2 | 0.480 | <0.100 | <0.100 | 0.066 |
| SS 5 | 8/9/2016 | 11.6 | 7.86 | 3.16 | 29.40 | 12.6 | 0.464 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/7/2016 | 6.6 | 7.94 | 6.70 | 12.30 | 8.0 | 0.420 | <0.100 | 0.12 | <0.025 |
| SS 5 | 3/2/2017 | 14.0 | 7.78 | 3.92 | 12.77 | 16.0 | 0.766 | 0.334 | <0.100 | <0.025 |
| SS 5 | 7/5/2017 | 8.4 | 7.77 | 7.19 | 28.90 | 12.0 | 0.474 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/16/2017 | 10.2 | 8.10 | 4.83 | 29.90 | 15.1 | 0.493 | <0.100 | <0.100 | <0.025 |
| SS 5 | 10/25/2017 | 7.5 | 8.24 | 8.36 | 19.2 | 11.8 | 0.531 | <0.100 | <0.100 | <0.025 |
| SS 5 | 3/28/2018 | 7.0 | 8.53 | 10.23 | 18.5 | 8.33 | <0.250 | 0.248 | <0.100 | <0.025 |
| SS 5 | 6/29/2018 | 10.4 | 7.93 | 5.50 | 27.5 | 13.3 | 0.605 | <0.100 | <0.100 | <0.025 |

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 8/2/2018 | 13.5 | 7.58 | 6.04 | 25.8 | 12.8 | 0.554 | <0.100 | <0.100 | <0.025 |
| SS 5 | 12/10/2018 | 21.9 | 7.01 | 11.15 | 7.3 | 16.7 | 0.522 | 0.146 | <0.100 | <0.025 |
| SS 5 | 4/15/2019 | 15.5 | 7.35 | 7.77 | 19.4 | 11.7 | 0.374 | 0.168 | <0.100 | <0.025 |
| SS 5 | 6/12/2019 | 10.0 | 8.44 | 8.78 | 26.6 | 11.0 | <0.250 | <0.100 | <0.100 | <0.025 |
| SS 5 | 8/27/2019 | 24.5 | 8.66 | 9.02 | 28.9 | 7.1 | 0.508 | <0.100 | 0.168 | <0.025 |
| SS 5 | 10/29/2019 | 18.7 | 8.20 | 9.33 | 18.1 | 10.4 | 0.631 | 0.105 | 0.198 | <0.025 |
| SS 5 | 3/30/2020 | 9.2 | 8.35 | 11.07 | 20.8 | 10.6 | 0.399 | 0.127 | <0.100 | <0.025 |
| SS 5 | 6/16/2020 | 10.5 | 8.41 | 7.99 | 27.9 | 9.7 | 0.534 | <0.100 | <0.100 | <0.030 |
| SS 5 | 9/21/2020 | 16.5 | 7.36 | 11.45 | 22.6 | 11.0 | 0.512 | <0.100 | <0.100 | <0.030 |
| SS 5 | 12/17/2020 | 8.64 | 8.02 | 11.24 | 9.6 | 10.1 | 0.428 | 0.200 | <0.100 | <0.030 |
| SS 5 | 3/18/2021 | 0.60 | 7.36 | 9.03 | 15.7 | 14.6 | 0.570 | 0.191 | <0.100 | <0.030 |
| SS 5 | 5/5/2021 | 38.40 | 7.55 | 7.72 | 20.5 | 32.2 | 0.576 | 0.108 | <0.100 | <0.030 |
| SS 5 | 9/2/2021 | 9.62 | 8.00 | 8.54 | 28.6 | 14.4 | 0.431 | <0.100 | <0.100 | <0.030 |
| SS 5 | 11/23/2021 | 10.84 | 7.40 | 10.89 | 13.7 | 7.7 | <0.250 | 0.126 | <0.100 | <0.0300 |
| SS 5 | 1/11/2022 | 46.0 | 7.64 | 11.13 | 11.1 | 10.4 | 1.300 | 0.320 | <0.10 | <0.0300 |
| SS 5 | 4/7/2022 | 20.7 | 7.80 | 8.85 | 17.9 | 15.6 | 0.516 | 0.122 | <0.100 | <0.0300 |
| SS 5 | 8/2/2022 | 11.90 | 8.38 | 7.32 | 30.6 | 7.8 | 0.812 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 11/16/2022 | 5.32 | 8.07 | 10.21 | 14.0 | 8.3 | 0.314 | <0.100 | <0.100 | <0.0300 |
| SS 5 | 2/14/2023 | 11.20 | 7.35 | 11.62 | 12.7 | 10.4 | 0.344 | 0.284 | <0.100 | 0.093 |
| SS 5 | 5/25/2023 | 7.0 | 8.19 | 10.03 | 25.5 | 9.80 | 0.638 | <0.0500 | 0.0486 | 0.0670 |
| SS 5 | 8/7/2023 | 9.1 | 7.91 | 7.70 | 30.7 | 11.5 | 0.636 | <0.100 | 0.0971 | <0.0300 |
| SS 5 | 12/12/2023 | 8.7 | 7.85 | 9.72 | 11.2 | 6.80 | 0.573 | <0.0500 | <0.0350 | <0.0140 |

## TABLE B.19 - HISTORICAL ANALYTICAL DATA - SS 5
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SS 5 | 1/10/2024 | 19.5 | 7.46 | 9.56 | 9.1 | 20.4 | 0.576 | 0.166 | 0.0715 | <0.0140 |
| SS 5 | 5/21/2024 | 16.2 | 7.87 | 9.02 | 25.8 | 11.0 | 0.261 | 0.107 | 0.0743 | <0.0300 |
| SS 5 | 9/16/2024 | 5.75 | 8.44 | 9.43 | 26.6 | 12.0 | 0.750 | <0.0500 | 0.0875 | <0.0140 |
| SS 5 | 12/11/2024 | 24.00 | 7.78 | 10.00 | 11.6 | 23.3 | 0.451 | 0.162 | 0.0407 | 0.1500 |
| SS 5 | 2/18/2025 | 17.18* | 7.89* | 6.22* | NS | 77.2 | 0.522 | 0.295 | 0.0751 | 0.0460 |

NTU - Nephelometric Turbidity Units
mg/L - milligrams per liter
EF - meter malfunctioned in field
NS - Not Sampled
* Delayed measurement

## TABLE B.20 - HISTORICAL ANALYTICAL DATA - GD 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 6 | 3/12/2013 | 10.3 | 8.03 | 9.65 | 11.90 | 5.8 | 0.29 | 0.21 | <0.100 | 0.036 |
| GD 6 | 5/8/2013 | 18.5 | 6.81 | 2.35 | 19.02 | 8.3 | 0.40 | 0.23 | <0.100 | 0.033 |
| GD 6 | 9/23/2013 | 6.0 | 7.28 | 5.17 | 26.93 | 5.8 | 0.36 | <0.100 | <0.100 | <0.025 |
| GD 6 | 12/10/2013 | 26.4 | 5.98 | 11.41 | 10.64 | 8.6 | 0.17 | 0.37 | <0.100 | 0.041 |
| GD 6 | 2/6/2014 | 15.5 | 4.34 | 15.80 | 6.85 | 5.5 | 0.16 | 0.26 | <0.100 | 0.057 |
| GD 6 | 6/26/2014 | 14.4 | 8.31 | 8.95 | 27.29 | 7.0 | 0.42 | <0.100 | <0.100 | <0.025 |
| GD 6 | 9/30/2014 | 7.1 | 8.35 | 6.53 | 26.78 | 7.0 | 0.55 | <0.100 | <0.100 | <0.025 |
| GD 6 | 11/19/2014 | 13.4 | 7.17 | 3.36 | 9.67 | 9.8 | 0.38 | 0.22 | 0.28 | <0.025 |
| GD 6 | 3/23/2015 | 16.5 | 7.95 | 8.95 | 18.40 | 8.2 | 0.26 | 0.22 | <0.100 | <0.025 |
| GD 6 | 4/22/2015 | 14.9 | 7.59 | 10.82 | 19.80 | 8.0 | 0.28 | 0.22 | <0.100 | <0.025 |
| GD 6 | 9/30/2015 | 14.1 | 8.19 | 12.31 | 25.47 | 12.4 | 0.974 | <0.100 | 0.103 | <0.025 |
| GD 6 | 11/19/2015 | 42.5 | 6.97 | 15.87 | 17.75 | 16.0 | 0.768 | 0.468 | 0.131 | 0.037 |
| GD 6 | 3/15/2016 | 16.1 | 7.68 | 11.58 | 19.98 | 7.9 | 0.500 | 0.124 | <0.100 | 0.043 |
| GD 6 | 6/29/2016 | 10.4 | 8.86 | 9.64 | 31.50 | 11.2 | 0.400 | <0.100 | <0.100 | <0.025 |
| GD 6 | 8/9/2016 | 10.4 | 8.26 | 6.98 | 30.70 | 10.3 | 0.621 | <0.100 | <0.100 | <0.025 |
| GD 6 | 12/7/2016 | 11.5 | 7.43 | 8.13 | 14.3 | 7.5 | 0.485 | 0.365 | <0.100 | <0.025 |
| GD 6 | 3/2/2017 | 14.3 | 8.05 | 8.02 | 14.70 | 9.0 | 0.509 | 0.250 | <0.100 | <0.025 |
| GD 6 | 6/21/2017 | 7.7 | 7.67 | 4.99 | 26.8 | 21.0 | 0.926 | <0.100 | 0.11 | <0.025 |
| GD 6 | 8/17/2017 | 7.0 | 8.02 | 7.72 | 31.2 | 13.2 | 0.677 | <0.100 | <0.100 | <0.025 |
| GD 6 | 10/26/2017 | 8.3 | 6.25 | 7.84 | 15.8 | 12.0 | 0.385 | 0.126 | <0.100 | <0.025 |
| GD 6 | 3/27/2018 | 10.1 | 7.97 | 9.00 | 12.1 | 10.9 | <0.25 | 0.233 | 1.76 | <0.025 |
| GD 6 | 6/26/2018 | 8.0 | 8.02 | 6.78 | 29.6 | 9.6 | 0.782 | 0.108 | <0.100 | <0.025 |
| GD 6 | 8/1/2018 | 25.4 | 7.66 | 7.52 | 22.7 | 21.9 | 0.636 | 0.335 | 0.138 | 0.090 |
| GD 6 | 12/11/2018 | 13.8 | 7.97 | 10.92 | 8.2 | 5.8 | 0.362 | 0.397 | <0.100 | <0.025 |

## TABLE B.20 - HISTORICAL ANALYTICAL DATA - GD 6
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 6 | 4/17/2019 | 9.0 | 7.10 | 8.00 | 20.5 | 9.6 | 0.624 | 0.198 | <0.100 | <0.025 |
| GD 6 | 6/11/2019 | 17.9 | 7.07 | 3.68 | 23.8 | 12.4 | 0.728 | <0.100 | <0.100 | <0.025 |
| GD 6 | 8/28/2019 | 9.1 | 7.94 | 6.32 | 28.5 | 6.5 | 0.607 | <0.100 | <0.100 | <0.025 |
| GD 6 | 10/28/2019 | 18.4 | 7.48 | 6.63 | 16.4 | 9.9 | 0.467 | 0.198 | <0.100 | <0.025 |
| GD 6 | 3/31/2020 | 16.0 | 6.06 | 8.86 | 16.1 | 8.40 | <0.250 | 0.212 | 0.127 | <0.025 |
| GD 6 | 6/10/2020 | 7.4 | 7.04 | 6.36 | 26.5 | 10.4 | 0.832 | 0.127 | <0.100 | <0.030 |
| GD 6 | 9/21/2020 | NS | 7.96 | 8.48 | 21.4 | 8.60 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 6 | 12/17/2020 | 0.5 | 7.96 | 10.08 | 9.0 | 7.40 | 0.377 | 0.309 | <0.100 | <0.030 |
| GD 6 | 3/18/2021 | 75.6 | 7.97 | 9.21 | 17.0 | 31.6 | 0.364 | 0.241 | 0.183 | <0.030 |
| GD 6 | 5/5/2021 | 5.7 | 7.55 | 8.62 | 19.2 | 12.3 | 0.542 | 7.95 | 0.124 | <0.030 |
| GD 6 | 9/2/2021 | EF | EF | 6.24 | 27.1 | 25.4 | 3.44 | 0.139 | 0.305 | <0.030 |
| GD 6 | 11/23/2021 | <1.0 | 7.61 | 8.28 | 15.6 | 8.50 | 0.350 | 0.132 | 0.102 | <0.0300 |
| GD 6 | 1/10/2022 | 14.2 | 8.05 | 10.58 | 9.5 | 10.20 | 0.850 | 0.238 | 0.147 | 0.037 |
| GD 6 | 4/7/2022 | 13.63 | 7.70 | 8.85 | 17.2 | 9.90 | 0.433 | 0.160 | <0.100 | <0.0300 |
| GD 6 | 8/3/2022 | 10.1 | 7.71 | 7.21 | 29.7 | 5.30 | 0.588 | <0.100 | <0.100 | <0.0300 |
| GD 6 | 11/16/2022 | 23.9 | 7.47 | 9.78 | 12.2 | 7.50 | 0.476 | 0.166 | <0.100 | <0.0300 |
| GD 6 | 2/13/2023 | 18.3 | 7.26 | 11.69 | 12.4 | 7.10 | 0.559 | 0.265 | <0.100 | <0.0300 |
| GD 6 | 5/24/2023 | 3.8 | 8.01 | 9.09 | 24.6 | 7.47 | 0.468 | 0.101 | 0.0666 | <0.0140 |
| GD 6 | 8/7/2023 | 5.10 | 7.86 | 9.10 | 29.7 | 4.30 | 0.914 | <0.100 | 0.0929 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.21 - HISTORICAL ANALYTICAL DATA - GD 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 7 | 3/12/2013 | 9.7 | 7.98 | 11.63 | 15.27 | 8.8 | 0.31 | 0.39 | <0.100 | 0.037 |
| GD 7 | 5/8/2013 | 26.1 | 7.72 | 7.46 | 18.40 | 20.0 | <0.56 | 0.24 | <0.100 | 0.063 |
| GD 7 | 9/23/2013 | 10.9 | 7.05 | 6.31 | 26.50 | 9.6 | 0.54 | <0.100 | <0.100 | 0.026 |
| GD 7 | 12/10/2013 | 41.9 | 8.02 | 9.68 | 7.50 | 40.0 | 0.32 | 0.34 | 0.11 | 0.084 |
| GD 7 | 2/6/2014 | 28.0 | 7.27 | 13.32 | 4.40 | 13.0 | 0.61 | 0.52 | <0.100 | 0.034 |
| GD 7 | 6/26/2014 | 6.2 | 8.45 | 7.04 | NS | 8.7 | 0.52 | <0.100 | <0.100 | <0.025 |
| GD 7 | 9/30/2014 | 11.9 | 7.87 | 6.32 | 24.39 | 13.0 | 0.41 | <0.100 | <0.100 | <0.025 |
| GD 7 | 11/19/2014 | 19.6 | 8.53 | 10.10 | 9.60 | 15.0 | 0.46 | 0.14 | 0.13 | <0.025 |
| GD 7 | 3/23/2015 | 13.0 | 8.28 | 8.87 | 15.40 | 10.0 | 0.35 | 0.27 | <0.100 | <0.025 |
| GD 7 | 4/22/2015 | 28.0 | 7.99 | 6.40 | 20.20 | 24.0 | 0.47 | 0.24 | <0.100 | <0.025 |
| GD 7 | 9/30/2015 | 8.3 | 7.89 | 5.18 | 24.90 | 9.1 | 0.59 | <0.100 | <0.100 | <0.025 |
| GD 7 | 11/19/2015 | 45.0 | 7.78 | 8.23 | 15.60 | 34.3 | <0.250 | 0.344 | <0.100 | 0.051 |
| GD 7 | 3/15/2016 | 17.2 | 8.46 | 8.51 | 17.80 | 13.9 | 0.397 | 0.261 | <0.100 | <0.025 |
| GD 7 | 6/29/2016 | 10.7 | 7.90 | 2.22 | 30.32 | 8.6 | 0.490 | <0.100 | <0.100 | 0.048 |
| GD 7 | 8/9/2016 | 6.5 | 7.97 | 4.08 | 29.31 | 5.7 | 0.471 | <0.100 | <0.100 | <0.025 |
| GD 7 | 12/7/2016 | 9.5 | 7.88 | 10.14 | 12.39 | 7.8 | 0.355 | <0.100 | <0.100 | <0.025 |
| GD 7 | 3/2/2017 | 10.8 | 7.80 | 4.57 | 13.35 | 14.4 | 0.514 | 0.36 | <0.100 | <0.025 |
| GD 7 | 6/29/2017 | 9.4 | 8.18 | 6.59 | 26.4 | 13.4 | 0.440 | <0.100 | <0.100 | <0.025 |
| GD 7 | 8/16/2017 | 8.5 | 7.84 | 5.66 | 29.0 | 15.3 | 0.358 | <0.100 | <0.100 | <0.025 |
| GD 7 | 10/25/2017 | 9.9 | 7.73 | 6.93 | 19.8 | 18.4 | 0.416 | <0.10 | <0.100 | <0.025 |
| GD 7 | 3/28/2018 | 7.6 | 8.16 | 9.33 | 14.9 | 9.19 | <0.250 | 0.350 | <0.100 | <0.025 |
| GD 7 | 6/29/2018 | 14.2 | 7.79 | 5.56 | 27.5 | 14.60 | 0.625 | <0.100 | <0.100 | <0.025 |
| GD 7 | 8/2/2018 | 18.5 | 7.62 | 5.51 | 27.0 | 32.10 | 0.450 | <0.100 | <0.100 | 0.027 |
| GD 7 | 12/10/2018 | 40.8 | 7.06 | 11.05 | 8.0 | 48.7 | 0.390 | 0.378 | 0.149 | <0.025 |

## TABLE B.21 - HISTORICAL ANALYTICAL DATA - GD 7
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 7 | 4/15/2019 | 30.1 | 7.83 | 7.85 | 19.2 | 12.0 | <0.250 | 0.230 | <0.100 | <0.025 |
| GD 7 | 6/12/2019 | 7.4 | 7.24 | 6.68 | 27.2 | 9.3 | <0.250 | 0.132 | <0.100 | <0.025 |
| GD 7 | 8/27/2019 | 45.3 | 7.35 | 9.35 | 29.1 | 6.3 | 0.604 | <0.100 | 0.156 | <0.025 |
| GD 7 | 10/29/2019 | 17.6 | 7.77 | 8.14 | 17.2 | 17.0 | 0.414 | <0.100 | <0.100 | <0.025 |
| GD 7 | 3/30/2020 | 7.8 | 7.77 | 10.38 | 21.1 | 12.8 | 0.343 | <0.100 | <0.100 | <0.025 |
| GD 7 | 6/16/2020 | 9.1 | 8.12 | 8.25 | 27.3 | 8.3 | 0.322 | <0.100 | <0.100 | <0.030 |
| GD 7 | 9/21/2020 | 13.6 | 7.42 | 12.45 | 23.7 | 9.60 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 7 | 12/17/2020 | 14.4 | 7.75 | 10.21 | 9.5 | 18.20 | <0.250 | 0.373 | <0.100 | <0.030 |
| GD 7 | 3/18/2021 | 1.2 | 7.37 | 9.75 | 15.4 | 23.00 | 0.387 | 0.312 | <0.100 | <0.030 |
| GD 7 | 5/5/2021 | 19.74 | 7.59 | 7.64 | 21.4 | 40.3 | 0.661 | <0.100 | <0.100 | <0.030 |
| GD 7 | 9/2/2021 | 13.57 | 7.75 | 6.38 | 27.6 | 34.40 | 0.324 | 0.107 | 0.122 | <0.030 |
| GD 7 | 11/23/2021 | 25.2 | 7.62 | 11.21 | 11.7 | 11.10 | <0.250 | 0.197 | <0.100 | <0.0300 |
| GD 7 | 1/11/2022 | 46.0 | 7.38 | 12.59 | 9.7 | 15.20 | <0.50 | 0.410 | <0.10 | <0.0300 |
| GD 7 | 4/7/2022 | 17.4 | 7.61 | 9.33 | 17.2 | 23.4 | 0.361 | 0.280 | 0.162 | <0.0300 |
| GD 7 | 8/2/2022 | 10.2 | 7.86 | 6.29 | 29.3 | 4.30 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 7 | 11/16/2022 | 5.3 | 7.75 | 9.00 | 14.4 | 8.53 | 0.509 | <0.100 | <0.100 | 0.043 |
| GD 7 | 2/14/2023 | 23.4 | 7.17 | 10.96 | 11.5 | 20.30 | 0.610 | 0.399 | 0.106 | <0.0300 |
| GD 7 | 5/25/2023 | 4.5 | 8.04 | 9.24 | 24.6 | 9.60 | 0.447 | 0.0646 | 0.0386 | 0.0270 |
| GD 7 | 8/7/2023 | 3.2 | 7.42 | 6.16 | 29.8 | 6.53 | 0.399 | <0.100 | 0.0711 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.22 - HISTORICAL ANALYTICAL DATA - GD 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 9 | 2/6/2014 | 33.6 | 7.20 | 11.27 | 5.50 | 14.0 | 0.60 | 0.40 | 0.12 | 0.063 |
| GD 9 | 6/26/2014 | 45.0 | 8.22 | 6.08 | NS | 34.0 | 0.41 | <0.100 | 0.12 | 0.029 |
| GD 9 | 9/30/2014 | 12.4 | 8.30 | 6.93 | 24.61 | 15.0 | 0.30 | <0.100 | <0.100 | <0.025 |
| GD 9 | 11/19/2014 | 22.8 | 8.13 | 9.38 | 9.30 | 15.0 | 0.74 | 0.16 | 0.25 | 0.082 |
| GD 9 | 3/23/2015 | 25.0 | 8.16 | 7.58 | 15.80 | 18.0 | 0.64 | 0.15 | <0.100 | <0.025 |
| GD 9 | 4/22/2015 | 18.0 | 7.58 | 5.58 | 20.70 | 14.0 | 0.65 | 0.15 | <0.100 | <0.025 |
| GD 9 | 9/30/2015 | 9.6 | 7.93 | 5.37 | 25.70 | 10.8 | 0.64 | <0.100 | <0.100 | <0.025 |
| GD 9 | 11/19/2015 | 40.0 | 7.67 | NS | 16.50 | 16.7 | <0.250 | 0.254 | 0.116 | 0.096 |
| GD 9 | 3/15/2016 | 14.8 | 8.49 | 7.66 | 17.30 | 12.1 | <0.250 | 0.33 | <0.100 | 0.044 |
| GD 9 | 6/29/2016 | 43.7 | 8.20 | 1.76 | 29.77 | 67.2 | 0.65 | <0.100 | <0.100 | <0.025 |
| GD 9 | 8/9/2016 | 11.0 | 8.07 | 4.14 | 29.00 | 9.4 | 0.468 | <0.100 | <0.100 | <0.025 |
| GD 9 | 12/7/2016 | 26.0 | 7.99 | 8.01 | 11.99 | 38.3 | 0.378 | <0.100 | 0.13 | <0.025 |
| GD 9 | 3/2/2017 | 10.7 | 7.70 | 4.26 | 13.60 | 11.2 | 0.673 | 0.269 | <0.100 | <0.025 |
| GD 9 | 6/29/2017 | 15.8 | 8.37 | 5.85 | 26.4 | 15.7 | 0.722 | <0.100 | <0.100 | <0.025 |
| GD 9 | 8/16/2017 | 11.3 | 7.82 | 5.52 | 29.60 | 18.2 | 0.384 | <0.100 | <0.100 | <0.025 |
| GD 9 | 10/25/2017 | 18.9 | 7.50 | 6.68 | 18.9 | 29.7 | 0.375 | <0.100 | <0.100 | 0.025 |
| GD 9 | 3/28/2018 | 10.2 | 8.21 | 9.75 | 15.8 | 12.4 | <0.250 | 0.230 | <0.100 | <0.025 |
| GD 9 | 6/29/2018 | 11.0 | 7.73 | 5.45 | 27.6 | 13.9 | 0.507 | <0.100 | <0.100 | <0.025 |
| GD 9 | 8/2/2018 | 13.0 | 7.55 | 5.17 | 26.0 | 20.8 | 0.600 | 0.110 | <0.100 | 0.067 |
| GD 9 | 12/10/2018 | 26.4 | 7.90 | 11.05 | 7.9 | 22.8 | 0.442 | 0.292 | 0.244 | 0.047 |
| GD 9 | 4/15/2019 | 221.5 | 7.51 | 8.09 | 20.0 | 178 | <0.250 | 0.194 | <0.100 | 0.034 |
| GD 9 | 6/12/2019 | 7.3 | 7.21 | 8.61 | 27.0 | 29.0 | <0.250 | 0.116 | <0.100 | <0.025 |
| GD 9 | 8/27/2019 | 76.5 | 7.81 | 8.22 | 28.8 | 9.3 | 0.385 | <0.100 | 0.146 | <0.025 |
| GD 9 | 10/29/2019 | 22.3 | 7.35 | 8.91 | 17.9 | 15.0 | 0.491 | <0.100 | <0.100 | <0.025 |

## TABLE B.22 - HISTORICAL ANALYTICAL DATA - GD 9
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 9 | 3/30/2020 | 18.3 | 7.56 | 8.54 | 18.4 | 16.4 | <0.250 | 0.243 | 0.121 | <0.025 |
| GD 9 | 6/16/2020 | 11.4 | 8.15 | 7.94 | 27.1 | 11.5 | 0.352 | <0.100 | <0.100 | <0.030 |
| GD 9 | 9/21/2020 | 11.6 | 7.38 | 6.41 | 23.3 | 9.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| GD 9 | 12/17/2020 | 12.33 | 7.71 | 10.62 | 9.7 | 13.1 | 0.261 | 0.336 | <0.100 | <0.030 |
| GD 9 | 3/18/2021 | 1.70 | 7.24 | 8.83 | 15.5 | 18.6 | 0.576 | 0.189 | <0.100 | <0.030 |
| GD 9 | 5/5/2021 | 23.76 | 7.68 | 7.08 | 21.0 | 29.0 | 0.564 | 0.176 | <0.100 | 0.036 |
| GD 9 | 9/2/2021 | 13.46 | 7.73 | 6.29 | 27.9 | 25.8 | 0.311 | <0.100 | <0.100 | <0.030 |
| GD 9 | 11/23/2021 | 39.41 | 7.84 | 10.71 | 13.9 | 33.9 | <0.250 | 0.113 | 0.124 | <0.0300 |
| GD 9 | 1/11/2022 | 271.50 | 7.42 | 11.43 | 10.4 | 13.3 | 0.760 | 0.360 | <0.10 | <0.030 |
| GD 9 | 4/7/2022 | 14.0 | 7.60 | 8.79 | 18.2 | 15.1 | 0.306 | 0.236 | 0.124 | <0.0300 |
| GD 9 | 8/2/2022 | 10.40 | 7.89 | 6.62 | 29.1 | 7.4 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 9 | 11/16/2022 | 4.52 | 7.81 | 9.41 | 14.1 | 5.7 | 0.399 | <0.100 | <0.100 | <0.0300 |
| GD 9 | 2/14/2023 | 16.10 | 7.17 | 11.09 | 11.6 | 12.6 | 0.484 | 0.362 | <0.100 | <0.0300 |
| GD 9 | 5/25/2023 | 5.9 | 8.02 | 9.61 | 24.9 | 12.4 | 0.492 | <0.0500 | 0.0537 | 0.0160 |
| GD 9 | 8/7/2023 | 7.2 | 7.46 | 6.50 | 29.8 | 9.40 | 0.483 | <0.100 | 0.0864 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.23 - HISTORICAL ANALYTICAL DATA - GD 8
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 8 | 3/12/2013 | 6.6 | 7.65 | 11.73 | 9.85 | 4.5 | 0.25 | 0.13 | <0.100 | <0.025 |
| GD 8 | 5/8/2013 | 18.7 | 6.71 | 1.72 | 14.47 | 19.0 | 0.38 | 0.11 | <0.100 | <0.025 |
| GD 8 | 9/23/2013 | 17.8 | 6.22 | 3.98 | 22.74 | 9.6 | 0.41 | <0.100 | <0.100 | <0.025 |
| GD 8 | 12/10/2013 | 30.7 | 6.04 | 13.33 | 8.10 | 32.0 | 0.35 | 0.28 | <0.100 | 0.040 |
| GD 8 | 2/6/2014 | 15.5 | 3.87 | 16.32 | 6.48 | 13.0 | 0.13 | 0.25 | <0.100 | <0.025 |
| GD 8 | 6/26/2014 | 30.8 | 8.19 | 6.64 | 26.15 | 7.3 | 0.48 | 0.25 | <0.100 | <0.025 |
| GD 8 | 9/30/2014 | 11.9 | 7.32 | 5.06 | 23.19 | 6.0 | 0.42 | 0.14 | <0.100 | <0.025 |
| GD 8 | 11/19/2014 | 25.3 | 5.16 | 9.01 | 5.87 | 13.0 | 0.32 | 0.23 | <0.100 | <0.025 |
| GD 8 | 3/23/2015 | 10.6 | 8.67 | 9.76 | 14.8 | 4.8 | <0.25 | 0.22 | <0.100 | <0.025 |
| GD 8 | 4/22/2015 | 20.2 | 7.40 | 11.71 | 17.70 | 15.0 | <0.25 | 0.16 | <0.100 | <0.025 |
| GD 8 | 9/30/2015 | 9.0 | 7.79 | 9.48 | 24.33 | 6.8 | 0.483 | 0.184 | <0.100 | <0.025 |
| GD 8 | 11/19/2015 | 212 | 6.94 | 23.30 | 15.13 | 79.6 | 0.852 | 0.233 | 0.101 | <0.025 |
| GD 8 | 3/15/2016 | 11.4 | 7.88 | 16.81 | 16.98 | 8.3 | 0.470 | 0.131 | <0.100 | <0.025 |
| GD 8 | 6/29/2016 | 32.5 | 8.50 | 6.60 | 29.3 | 39.8 | 0.450 | <0.100 | <0.100 | <0.025 |
| GD 8 | 8/9/2016 | 12.7 | 8.90 | 5.87 | 28.9 | 6.3 | 0.668 | 0.217 | <0.100 | <0.025 |
| GD 8 | 12/7/2016 | 10.1 | 7.75 | 8.84 | 12.1 | 7.0 | 0.409 | 0.308 | <0.100 | <0.025 |
| GD 8 | 3/2/2017 | 19.7 | 8.14 | 9.76 | 12.2 | 3.6 | 0.342 | 0.284 | <0.100 | <0.025 |
| GD 8 | 6/21/2017 | 7.9 | 8.73 | 6.50 | 25.0 | 7.0 | 0.642 | <0.100 | <0.100 | <0.025 |
| GD 8 | 8/17/2017 | 6.8 | 8.55 | 6.30 | 28.7 | 8.9 | 0.541 | 0.132 | <0.100 | <0.025 |
| GD 8 | 10/26/2017 | 6.1 | 8.17 | 8.25 | 16.3 | 4.0 | 0.347 | <0.100 | <0.100 | <0.025 |
| GD 8 | 3/27/2018 | 8.9 | 8.09 | 9.52 | 12.1 | 6.5 | <0.25 | 0.215 | <0.100 | <0.025 |
| GD 8 | 6/26/2018 | 5.8 | 8.50 | 5.74 | 29.7 | 5.8 | 0.670 | 0.150 | <0.100 | <0.025 |
| GD 8 | 8/1/2018 | 45.8 | 6.89 | 7.39 | 22.9 | 53.2 | 0.641 | 0.556 | 0.114 | 0.072 |
| GD 8 | 12/11/2018 | 16.0 | 7.87 | 11.71 | 9.2 | 24.4 | 0.406 | 0.326 | <0.100 | <0.025 |

## TABLE B.23 - HISTORICAL ANALYTICAL DATA - GD 8
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 8 | 4/17/2019 | 6.7 | 8.05 | 9.30 | 17.6 | <5.00 | 0.437 | 0.115 | <0.100 | <0.025 |
| GD 8 | 6/11/2019 | 9.4 | 7.19 | 2.94 | 25.8 | 4.1 | 0.948 | 0.181 | <0.100 | <0.025 |
| GD 8 | 8/28/2019 | 14.2 | 8.26 | 6.07 | 30.2 | 11.8 | 0.992 | 0.212 | <0.100 | <0.025 |
| GD 8 | 10/28/2019 | 29.6 | 7.83 | 8.22 | 16.2 | 12.9 | 0.255 | 0.435 | 0.109 | <0.025 |
| GD 8 | 3/31/2020 | 19.3 | 7.97 | 9.30 | 16.6 | 18.0 | 0.348 | 0.133 | 0.132 | <0.025 |
| GD 8 | 6/10/2020 | 10.8 | 7.97 | 7.13 | 24.9 | 8.0 | <0.25 | 0.211 | <0.100 | <0.030 |
| GD 8 | 9/21/2020 | NS | 8.19 | 6.36 | 22.8 | 7.4 | 0.290 | 0.171 | <0.100 | <0.030 |
| GD 8 | 12/17/2020 | 17.5 | 8.30 | 11.68 | 9.4 | 11.5 | <0.25 | 0.273 | <0.100 | <0.030 |
| GD 8 | 3/18/2021 | 117.0 | 8.15 | 11.53 | 16.5 | 102.0 | 0.312 | 0.178 | <0.100 | <0.030 |
| GD 8 | 5/5/2021 | 3.7 | 8.01 | 9.62 | 18.5 | 35.7 | 0.796 | 7.03 | <0.100 | <0.030 |
| GD 8 | 9/2/2021 | EF | EF | 8.04 | 24.5 | 18.3 | 0.611 | 0.241 | <0.100 | <0.030 |
| GD 8 | 11/23/2021 | <1.0 | 8.04 | 10.73 | 12.5 | 2.7 | <0.250 | <0.100 | <0.100 | <0.0300 |
| GD 8 | 1/10/2022 | 18.9 | 7.60 | 12.25 | 9.2 | 20.8 | 0.277 | 0.222 | 0.122 | <0.0300 |
| GD 8 | 4/7/2022 | 8.2 | 7.87 | 9.94 | 16.8 | 10.9 | 0.349 | 0.120 | <0.100 | <0.0300 |
| GD 8 | 8/3/2022 | 14.4 | 8.14 | 6.97 | 29.0 | 12.1 | 0.406 | 0.189 | <0.100 | <0.0300 |
| GD 8 | 11/16/2022 | 5.2 | 8.21 | 9.74 | 12.2 | 4.2 | 0.472 | 0.107 | <0.100 | 0.033 |
| GD 8 | 2/13/2023 | 15.0 | 7.39 | 11.81 | 11.1 | 16.5 | 0.316 | 0.237 | <0.100 | <0.0300 |
| GD 8 | 5/24/2023 | 14.7 | 8.35 | 8.19 | 21.1 | 10.3 | 0.516 | 0.253 | 0.0462 | <0.0140 |
| GD 8 | 8/7/2023 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.24 - HISTORICAL ANALYTICAL DATA - CO 15
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 15 | 3/12/2013 | 32 | 7.41 | 8.91 | 14.40 | 9.0 | 0.53 | <0.10 | <0.100 | 0.097 |
| CO 15 | 5/8/2013 | 27 | 7.51 | 8.04 | 18.10 | 11.0 | 0.59 | 0.10 | <0.100 | <0.12 |
| CO 15 | 9/23/2013 | 13 | 7.09 | 4.01 | 27.18 | 11.0 | 0.34 | <0.10 | <0.100 | 0.027 |
| CO 15 | 12/10/2013 | 42 | 6.09 | 11.25 | 9.83 | 13.0 | 0.56 | 0.18 | <0.100 | 0.068 |
| CO 15 | 2/6/2014 | 32 | 4.22 | 16.10 | 6.28 | 12.0 | 0.46 | 0.21 | <0.100 | <0.025 |
| CO 15 | 6/26/2014 | 105 | 8.16 | 7.00 | 25.55 | 46.0 | 0.59 | <0.100 | <0.100 | 0.140 |
| CO 15 | 9/30/2014 | 8 | 7.88 | 6.67 | 23.28 | 8.6 | <0.25 | <0.100 | <0.100 | <0.025 |
| CO 15 | 11/19/2014 | 44 | 7.38 | 3.68 | 9.43 | 12.0 | 0.32 | 0.20 | <0.100 | 0.030 |
| CO 15 | 3/23/2015 | 56 | 7.85 | 9.53 | 18.50 | 19.0 | 0.61 | 0.14 | <0.100 | 0.067 |
| CO 15 | 4/22/2015 | 26 | 7.62 | 10.14 | 21.90 | 11.0 | 0.40 | 0.14 | <0.100 | <0.025 |
| CO 15 | 9/30/2015 | 15 | 7.68 | 12.73 | 22.88 | 11.8 | 0.75 | <0.100 | <0.100 | <0.025 |
| CO 15 | 11/19/2015 | 50 | 7.30 | 19.45 | 16.98 | 17.5 | 0.42 | 0.24 | 0.183 | 0.042 |
| CO 15 | 3/15/2016 | 29 | 7.66 | 12.39 | 19.83 | 12.4 | 0.78 | <0.100 | <0.100 | <0.025 |
| CO 15 | 6/29/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 15 | 8/9/2016 | 38 | 8.03 | 6.78 | 29.6 | 22.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| CO 15 | 12/7/2016 | 13.6 | 7.50 | 9.78 | 12.1 | 14.8 | 0.67 | <0.100 | <0.100 | <0.025 |
| CO 15 | 3/2/2017 | 38.2 | 7.77 | 8.32 | 16.0 | 17.4 | 0.52 | 0.15 | <0.100 | <0.025 |
| CO 15 | 6/21/2017 | 6.4 | 7.56 | 5.12 | 26.7 | 18.3 | 0.97 | <0.100 | <0.100 | <0.025 |
| CO 15 | 8/17/2017 | 21.7 | 8.29 | 6.47 | 30.1 | 12.4 | 0.69 | <0.100 | <0.100 | <0.025 |
| CO 15 | 10/26/2017 | 10.8 | 4.43 | 8.24 | 13.6 | 6.4 | 0.39 | <0.100 | <0.100 | <0.025 |
| CO 15 | 3/27/2018 | 14.5 | 7.87 | 9.33 | 12.1 | 8.0 | <0.25 | <0.100 | <0.100 | <0.025 |
| CO 15 | 6/26/2018 | 13.8 | 7.87 | 7.33 | 26.5 | 12.4 | 0.573 | <0.100 | 0.270 | <0.025 |
| CO 15 | 8/1/2018 | 58.8 | 7.25 | 7.12 | 23.0 | 71.5 | 0.852 | <0.100 | 0.122 | 0.040 |
| CO 15 | 12/11/2018 | 111.3 | 8.73 | 11.94 | 7.0 | 10.1 | 1.16 | 0.168 | 0.107 | <0.025 |

## TABLE B.24 - HISTORICAL ANALYTICAL DATA - CO 15
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 15 | 4/17/2019 | 17.0 | 7.80 | 9.17 | 19.1 | 11.5 | 0.574 | 0.144 | <0.100 | <0.025 |
| CO 15 | 6/11/2019 | 21.9 | 6.56 | 3.10 | 22.8 | 9.8 | 1.00 | <0.100 | <0.100 | <0.025 |
| CO 15 | 8/28/2019 | 70.8 | 8.07 | 7.52 | 25.7 | 20.4 | 1.54 | 0.166 | 0.130 | 0.026 |
| CO 15 | 10/28/2019 | 30.7 | 7.31 | 9.63 | 15.0 | 10.2 | 0.61 | 0.120 | <0.100 | <0.025 |
| CO 15 | 3/31/2020 | 61.8 | 6.46 | 9.25 | 15.7 | 72.4 | 0.625 | 0.102 | 0.158 | 0.0320 |
| CO 15 | 6/10/2020 | 18.7 | 6.24 | 6.22 | 25.0 | 10.4 | 0.456 | 0.148 | <0.100 | <0.030 |
| CO 15 | 9/21/2020 | NS | 7.31 | 8.18 | 17.9 | 5.6 | <0.250 | <0.100 | <0.100 | <0.030 |
| CO 15 | 12/17/2020 | 2.8 | 8.98 | 10.87 | 10.0 | 15.6 | 0.685 | 0.161 | <0.100 | <0.030 |
| CO 15 | 3/18/2021 | 63.1 | 8.46 | 15.75 | 19.8 | 26.0 | 0.554 | 0.193 | <0.100 | <0.030 |
| CO 15 | 5/5/2021 | 3.8 | 7.47 | 9.06 | 19.3 | 10.9 | 1.17 | 7.78 | 0.200 | <0.030 |
| CO 15 | 9/2/2021 | EF | EF | 7.81 | 24.3 | 13.8 | 0.926 | <0.100 | <0.100 | <0.030 |
| CO 15 | 11/23/2021 | 2.0 | 7.87 | 10.67 | 15.2 | 25.9 | 0.270 | <0.100 | <0.100 | <0.030 |
| CO 15 | 1/10/2022 | 24.3 | 7.90 | 11.64 | 9.8 | 9.6 | <2.50 | 0.196 | <0.100 | <0.0300 |
| CO 15 | 4/7/2022 | 16.5 | 7.48 | 9.75 | 17.3 | 11.7 | 0.853 | <0.100 | <0.100 | 0.0710 |
| CO 15 | 8/3/2022 | 12.8 | 8.15 | 7.92 | 27.0 | 4.2 | 0.424 | 0.131 | <0.100 | <0.0300 |
| CO 15 | 11/16/2022 | 9.5 | 7.38 | 10.50 | 11.2 | 10.7 | 0.424 | <0.100 | <0.100 | <0.0300 |
| CO 15 | 2/13/2023 | 21.8 | 7.15 | 11.46 | 10.2 | 7.5 | 0.717 | 0.242 | <0.100 | <0.0300 |
| CO 15 | 5/24/2023 | 24.0 | 7.57 | 9.11 | 20.6 | 15.6 | 0.477 | 0.121 | 0.0461 | 0.0240 |
| CO 15 | 8/7/2023 | 12.6 | 7.54 | 8.05 | 26.1 | 13.9 | 0.589 | <0.100 | 0.0719 | <0.0300 |
| | Sampled by the City of Gadsden beginning December 2023 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

DRY - outfall was dry

EF - meter malfunctioned in field

## TABLE B.25 - HISTORICAL ANALYTICAL DATA - SME 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 2 | 3/12/2013 | 6.0 | 7.12 | 9.28 | 14.17 | 8.1 | 0.47 | 0.28 | <0.100 | 0.032 |
| SME 2 | 5/8/2013 | 26.2 | 7.67 | 6.46 | 21.40 | 21.0 | 0.92 | 0.24 | <0.100 | 0.042 |
| SME 2 | 9/23/2013 | 7.3 | 6.92 | 5.51 | 26.24 | 7.1 | 0.34 | <0.100 | <0.100 | 0.039 |
| SME 2 | 12/10/2013 | 11.8 | 5.71 | 11.05 | 11.01 | 7.0 | 0.42 | 0.31 | 0.15 | 0.100 |
| SME 2 | 2/6/2014 | 19.9 | 4.21 | 14.38 | 6.13 | 14.0 | 0.59 | 0.39 | <0.100 | 0.053 |
| SME 2 | 6/26/2014 | 14.8 | 8.16 | 7.22 | 26.98 | 8.7 | 0.38 | 0.11 | <0.100 | <0.025 |
| SME 2 | 9/30/2014 | 6.0 | 7.97 | 5.33 | 26.53 | 7.4 | 0.52 | <0.100 | <0.100 | <0.025 |
| SME 2 | 11/19/2014 | 9.5 | 7.06 | 3.53 | 10.20 | 6.8 | <0.25 | 0.14 | 0.16 | 0.039 |
| SME 2 | 3/23/2015 | 11.1 | 7.96 | 9.34 | 17.60 | 10.0 | 0.45 | 0.24 | <0.100 | <0.025 |
| SME 2 | 4/22/2015 | 8.8 | 7.93 | 11.46 | 24.50 | 9.1 | 0.48 | 0.13 | <0.100 | <0.025 |
| SME 2 | 9/30/2015 | 7.4 | 7.62 | 12.67 | 25.91 | 8.7 | 0.497 | 0.10 | 0.101 | <0.025 |
| SME 2 | 11/19/2015 | 22.0 | 6.55 | 14.30 | 19.12 | 82.3 | 1.21 | 0.22 | 0.219 | 0.062 |
| SME 2 | 3/15/2016 | 8.2 | 7.86 | 13.43 | 20.73 | 6.3 | 0.486 | <0.100 | <0.100 | <0.025 |
| SME 2 | 6/29/2016 | 7.6 | 8.23 | 7.24 | 30.4 | 8.0 | 0.290 | 0.19 | <0.100 | <0.025 |
| SME 2 | 8/9/2016 | 10.3 | 8.01 | 6.58 | 30.6 | 8.2 | 0.585 | <0.100 | <0.100 | <0.025 |
| SME 2 | 12/7/2016 | 6.0 | 7.52 | 6.86 | 12.7 | 5.8 | 0.469 | <0.100 | 0.101 | <0.025 |
| SME 2 | 3/2/2017 | 11.8 | 8.03 | 8.55 | 15.2 | 11.4 | 0.720 | 0.267 | <0.100 | <0.025 |
| SME 2 | 6/21/2017 | 5.2 | 7.18 | 4.64 | 26.6 | 11.4 | 0.886 | <0.100 | <0.100 | <0.025 |
| SME 2 | 8/17/2017 | 6.5 | 7.76 | 6.43 | 30.6 | 15.3 | 0.729 | <0.100 | <0.100 | <0.025 |
| SME 2 | 10/26/2017 | 5.2 | 7.03 | 6.87 | 17.6 | 8.5 | 0.382 | <0.100 | <0.100 | <0.025 |
| SME 2 | 3/27/2018 | 11.1 | 7.44 | 8.64 | 12.9 | 17.5 | <0.25 | 0.161 | <0.100 | <0.025 |
| SME 2 | 6/26/2018 | 10.8 | 7.97 | 6.43 | 29.6 | 9.9 | 0.731 | 0.111 | <0.100 | <0.025 |
| SME 2 | 8/1/2018 | 29.6 | 7.39 | 6.46 | 23.4 | 24.8 | 0.423 | 0.371 | 0.128 | 0.099 |
| SME 2 | 12/11/2018 | 9.7 | 7.82 | 9.99 | 7.9 | 5.1 | 0.368 | 0.212 | 0.166 | <0.025 |

## TABLE B.25 - HISTORICAL ANALYTICAL DATA - SME 2
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 2 | 4/17/2019 | 5.0 | 7.82 | 7.80 | 20.5 | 6.0 | 0.783 | 0.105 | <0.100 | <0.025 |
| SME 2 | 6/11/2019 | 12.3 | 6.68 | 3.43 | 24.4 | 9.2 | 0.676 | <0.100 | <0.100 | <0.025 |
| SME 2 | 8/28/2019 | 6.6 | 7.83 | 6.26 | 29.2 | 5.9 | 0.452 | <0.100 | <0.100 | <0.025 |
| SME 2 | 10/28/2019 | 24.9 | 7.64 | 7.42 | 16.8 | 18.2 | 0.341 | <0.100 | 0.107 | <0.025 |
| SME 2 | 3/31/2020 | 9.5 | 7.02 | 7.31 | 18.2 | 10.2 | 0.521 | <0.100 | <0.100 | <0.025 |
| SME 2 | 6/10/2020 | 10.4 | 7.81 | 6.40 | 27.0 | 8.0 | 0.367 | 0.117 | <0.100 | <0.030 |
| SME 2 | 9/21/2020 | NS | 7.84 | 8.02 | 23.6 | 11.0 | <0.250 | <0.100 | <0.100 | <0.030 |
| SME 2 | 12/17/2020 | 13.3 | 8.04 | 9.04 | 9.2 | 6.7 | 0.342 | 0.272 | <0.100 | 0.041 |
| SME 2 | 3/18/2021 | 27.3 | 8.20 | 12.80 | 18.4 | 13.8 | 0.528 | 0.193 | <0.100 | 0.033 |
| SME 2 | 5/5/2021 | 0.0 | 7.29 | 6.72 | 21.2 | 6.80 | 0.768 | 0.560 | <0.100 | 0.039 |
| SME 2 | 9/2/2021 | EF | EF | 6.31 | 27.5 | 11.8 | 0.562 | 0.134 | <0.100 | <0.030 |
| SME 2 | 11/23/2021 | <1.0 | 7.98 | 10.03 | 14.6 | 9.2 | <0.250 | 0.170 | <0.100 | <0.0300 |
| SME 2 | 1/10/2022 | 14.5 | 7.84 | 11.04 | 8.8 | 16.1 | 0.672 | 0.338 | 0.117 | <0.0300 |
| SME 2 | Removed from Monitoring Program April 2022 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.26 - HISTORICAL ANALYTICAL DATA - SME 8
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| SME 8 | 12/17/2020 | 0.30 | 7.72 | 11.22 | 9.10 | 25.9 | <0.25 | 0.312 | <0.100 | <0.030 |
| SME 8 | 3/18/2021 | 48.8 | 8.17 | 9.47 | 18.0 | 17.7 | 0.460 | 0.183 | <0.100 | <0.030 |
| SME 8 | 5/5/2021 | 3.3 | 7.11 | 9.39 | 18.5 | 60.3 | 0.366 | 0.597 | 0.118 | <0.030 |
| SME 8 | 9/2/2021 | EF | EF | 7.87 | 25.9 | 39.2 | 0.269 | 0.150 | <0.100 | <0.030 |
| SME 8 | 1/10/2022 | 9.5 | 7.42 | 11.82 | 9.2 | 33.5 | 0.832 | 0.328 | <0.100 | <0.0300 |
| SME 8 | Removed from Monitoring Program April 2022 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.27 - HISTORICAL ANALYTICAL DATA - GD 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 3 | 3/13/2013 | 11.6 | 8.00 | 9.28 | 10.70 | 11.0 | 0.44 | 0.29 | <0.100 | 0.028 |
| GD 3 | 5/20/2013 | 11.7 | 8.09 | 7.01 | 23.40 | 13.0 | 0.63 | 0.15 | <0.100 | 0.026 |
| GD 3 | 9/23/2013 | 12.4 | 7.80 | 6.50 | 26.40 | 10.0 | 0.58 | <0.100 | <0.100 | 0.025 |
| GD 3 | 12/10/2013 | 45.7 | 7.85 | 9.23 | 9.30 | 23.0 | 0.64 | 0.21 | 0.14 | 0.085 |
| GD 3 | 2/6/2014 | 90.2 | 7.13 | 10.58 | 6.10 | 27.0 | 0.68 | 0.21 | 0.12 | <0.025 |
| GD 3 | 6/26/2014 | 15.0 | 8.13 | 8.00 | NS | 14.0 | 0.40 | 0.12 | <0.100 | <0.025 |
| GD 3 | 9/30/2014 | 19.5 | 8.11 | 6.69 | 25.06 | 19.0 | 0.32 | <0.100 | <0.100 | <0.025 |
| GD 3 | 11/19/2014 | 18.1 | 8.36 | 10.88 | 9.3 | 15.0 | 0.26 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/23/2015 | 13.0 | 8.32 | 7.84 | 16.5 | 10.0 | 0.34 | 0.22 | <0.100 | <0.025 |
| GD 3 | 4/22/2015 | 26.0 | 7.86 | 6.74 | 20.6 | 21.0 | 0.36 | 0.18 | <0.100 | 0.079 |
| GD 3 | 9/30/2015 | 10.0 | 7.94 | 4.91 | 24.9 | 11.5 | 0.74 | 0.103 | 0.126 | <0.025 |
| GD 3 | 11/19/2015 | 40.0 | 7.61 | 7.74 | 16.0 | 22.0 | <0.250 | 0.250 | 0.101 | <0.025 |
| GD 3 | 3/15/2016 | 25.5 | 8.04 | 8.62 | 18.7 | 11.7 | <0.250 | 0.420 | <0.100 | 0.071 |
| GD 3 | 6/29/2016 | 6.0 | 7.84 | 2.78 | 29.94 | 10.7 | <0.250 | <0.100 | <0.100 | 0.088 |
| GD 3 | 8/9/2016 | 8.3 | 7.98 | 5.09 | 30.01 | 10.0 | 0.393 | <0.100 | <0.100 | <0.025 |
| GD 3 | 12/7/2016 | 5.9 | 7.91 | 10.55 | 12.0 | 8.1 | 0.356 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/2/2017 | 14.0 | 8.21 | 5.01 | 14.35 | 15.6 | 0.649 | 0.237 | 0.135 | <0.025 |
| GD 3 | 7/5/2017 | 11.2 | 7.48 | 6.23 | 27.3 | 14.4 | 0.560 | <0.100 | <0.100 | <0.025 |
| GD 3 | 8/16/2017 | 7.4 | 8.01 | 6.24 | 28.8 | 8.5 | 0.387 | <0.100 | <0.100 | <0.025 |
| GD 3 | 10/25/2017 | 8.9 | 7.54 | 7.25 | 19.1 | 13.6 | 0.390 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/28/2018 | 9.1 | 8.06 | 9.34 | 16.6 | 10.8 | <0.250 | 0.241 | <0.100 | <0.025 |
| GD 3 | 6/29/2018 | 12.9 | 7.68 | 5.63 | 27.3 | 12.7 | 0.511 | <0.100 | <0.100 | <0.025 |
| GD 3 | 8/2/2018 | 13.4 | 7.69 | 5.72 | 26.6 | 20.8 | 0.569 | <0.100 | <0.100 | <0.025 |
| GD 3 | 12/10/2018 | 41.4 | 7.40 | 11.09 | 6.8 | 31.3 | 0.519 | <0.100 | 0.128 | <0.025 |

## TABLE B.27 - HISTORICAL ANALYTICAL DATA - GD 3
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| GD 3 | 4/15/2019 | 15.3 | 7.71 | 8.02 | 19.9 | 14.7 | <0.250 | 0.233 | <0.100 | <0.025 |
| GD 3 | 6/12/2019 | 9.6 | 7.24 | 8.31 | 27.3 | 13.0 | <0.250 | <0.100 | <0.100 | <0.025 |
| GD 3 | 8/27/2019 | 202.8 | 7.18 | 8.33 | 28.8 | 6.5 | 0.434 | <0.100 | 0.159 | <0.025 |
| GD 3 | 10/29/2019 | 26.2 | 7.84 | 9.63 | 17.2 | 13.0 | 0.453 | <0.100 | <0.100 | <0.025 |
| GD 3 | 3/30/2020 | 17.4 | 7.58 | 8.83 | 18.8 | 18.0 | 0.281 | 0.216 | <0.100 | <0.025 |
| GD 3 | 6/16/2020 | 11.6 | 8.03 | 8.20 | 27.5 | 9.5 | 0.363 | <0.100 | <0.100 | <0.030 |
| GD 3 | 9/21/2020 | 13.5 | 7.51 | 6.73 | 23.4 | 9.8 | <0.250 | <0.100 | 0.106 | <0.030 |
| | Removed from Monitoring Program September 2020 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

EF - meter malfunctioned in field

## TABLE B.28 - HISTORICAL ANALYTICAL DATA - CO 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 14 | 3/12/2013 | 8.2 | 6.88 | 9.65 | 12.92 | 3.5 | 0.42 | 0.32 | <0.100 | <0.025 |
| CO 14 | 5/8/2013 | 13.0 | 6.61 | 3.02 | 16.37 | 6.7 | 0.74 | 0.34 | <0.100 | <0.12 |
| CO 14 | 9/23/2013 | 15.0 | 6.70 | 3.78 | 22.58 | 9.6 | 0.30 | <0.100 | <0.100 | 0.036 |
| CO 14 | 12/10/2013 | 14.4 | 5.82 | 11.15 | 9.37 | 9.7 | 0.55 | 0.11 | <0.100 | 0.027 |
| CO 14 | 2/6/2014 | 13.7 | 4.02 | 16.69 | 5.08 | 9.1 | 0.41 | 0.58 | <0.100 | <0.025 |
| CO 14 | 6/26/2014 | 19.7 | 8.25 | 8.19 | 22.33 | 9.0 | 0.86 | 0.34 | <0.100 | <0.025 |
| CO 14 | 9/30/2014 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 11/19/2014 | 9.84 | 6.70 | 3.86 | 7.90 | 2.8 | 0.26 | <0.100 | <0.100 | <0.025 |
| CO 14 | 3/23/2015 | 18.9 | 6.85 | 8.78 | 17.20 | 10.0 | 0.67 | 0.25 | <0.100 | <0.025 |
| CO 14 | 4/22/2015 | 13.8 | 6.23 | 11.19 | 18.00 | 8.6 | 0.60 | 0.49 | <0.100 | <0.025 |
| CO 14 | 9/30/2015 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 11/19/2015 | 24.30 | 6.64 | 16.06 | 15.25 | 5.9 | 1.27 | <0.100 | <0.100 | <0.025 |
| CO 14 | 3/15/2016 | 15.80 | 6.33 | 13.05 | 16.42 | 9.7 | 0.713 | 0.468 | <0.100 | <0.025 |
| CO 14 | 6/29/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 8/9/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 12/7/2016 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 3/2/2017 | 19 | 6.34 | 8.58 | 13.60 | 5.2 | 0.601 | 0.106 | <0.100 | <0.025 |
| CO 14 | 6/21/2017 | 9.0 | 6.57 | 6.49 | 22.9 | 19.0 | 0.758 | <0.100 | <0.100 | <0.025 |
| CO 14 | 8/17/2017 | 13.8 | 7.83 | 6.22 | 28.0 | 50.6 | 0.851 | <0.100 | <0.100 | <0.025 |
| CO 14 | 10/26/2017 | 8.1 | 6.43 | 8.40 | 14.2 | 4.7 | 0.440 | <0.100 | <0.100 | <0.025 |
| CO 14 | 3/27/2018 | 8.2 | 7.63 | 9.45 | 11.4 | 9.5 | <0.25 | 0.601 | <0.100 | <0.025 |
| CO 14 | 6/26/2018 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| CO 14 | 8/1/2018 | 40.2 | 6.99 | 7.42 | 22.1 | 28.3 | 0.764 | <0.100 | <0.100 | <0.025 |
| CO 14 | 12/11/2018 | 7.6 | 7.38 | 10.74 | 7.7 | 4.9 | 0.567 | 0.184 | <0.100 | <0.025 |

## TABLE B.28 - HISTORICAL ANALYTICAL DATA - CO 14
## MS4 WET-WEATHER MONITORING

| | | FIELD PARAMETERS | | | | LABORATORY ANALYSIS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monitoring Point | Date | Turbidity (NTU) | pH | DO (mg/L) | Sample Temp (°C) | TSS (mg/L) | TKN (mg/L) | Nitrate-Nitrite (mg/L) | Total Phosphorous (mg/L) | Ortho-Phosphate (mg/L) |
| CO 14 | 4/17/2019 | 9.3 | 7.91 | 8.99 | 19.0 | 9.4 | 2.96 | 0.460 | <0.100 | <0.025 |
| CO 14 | 6/11/2019 | 17.5 | 7.07 | 3.56 | 22.4 | 5.6 | 0.773 | <0.100 | 0.14 | <0.025 |
| CO 14 | 8/28/2019 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 10/28/2019 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | 3/31/2020 | 77.6 | 7.84 | 9.07 | 15.0 | 106 | 0.532 | 0.402 | <0.100 | <0.025 |
| CO 14 | 6/10/2020 | 13.8 | 7.64 | 7.20 | 24.4 | 5.6 | 0.482 | 0.244 | <0.100 | <0.030 |
| CO 14 | 9/21/2020 | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| CO 14 | Removed from Monitoring Program September 2020 | | | | | | | | | |

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

DRY - outfall was dry

EF - meter malfunctioned in field

# Appendix III – Laboratory Reports

Laboratory Report No. L1827802, dated February 24, 2025

Laboratory Report No. L1827805, dated February 24, 2025

# ANALYTICAL REPORT

February 24, 2025



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1827802 |
| Samples Received: | 02/18/2025 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | BOAT |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## HB 3 L1827802-01 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 12:16 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:14 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 19:25 | 02/21/25 19:25 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:26 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:06 | 02/19/25 12:06 | JAS | Mt. Juliet, TN |

## SME 4 L1827802-02 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 12:22 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:17 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 19:31 | 02/21/25 19:31 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:29 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:06 | 02/19/25 12:06 | JAS | Mt. Juliet, TN |

## GD 5 L1827802-03 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 12:36 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:22 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 19:38 | 02/21/25 19:38 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:31 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:09 | 02/19/25 12:09 | JAS | Mt. Juliet, TN |

## SME 3 L1827802-04 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 12:46 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:23 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 19:40 | 02/21/25 19:40 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:35 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:09 | 02/19/25 12:09 | JAS | Mt. Juliet, TN |

## SME 1 L1827802-05 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 12:58 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Microbiology by Method 9223 B-2016 | WG2454107 | 1 | 02/18/25 16:13 | 02/19/25 16:20 | LMH | Decatur, AL |
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:24 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:05 | 02/21/25 20:05 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:36 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:09 | 02/19/25 12:09 | JAS | Mt. Juliet, TN |

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

## SS5 L1827802-06 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 10:16 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:26 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:06 | 02/21/25 20:06 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:38 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:10 | 02/19/25 12:10 | JAS | Mt. Juliet, TN |

## SME 5 L1827802-07 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 10:25 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:27 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:08 | 02/21/25 20:08 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:39 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:10 | 02/19/25 12:10 | JAS | Mt. Juliet, TN |

## SME 6 L1827802-08 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 11:13 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:28 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:11 | 02/21/25 20:11 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:40 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:11 | 02/19/25 12:11 | JAS | Mt. Juliet, TN |

## RC 14 L1827802-09 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 10:58 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:29 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:13 | 02/21/25 20:13 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:41 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:11 | 02/19/25 12:11 | JAS | Mt. Juliet, TN |

## DUPLICATE L1827802-10 WW

Collected by: Nathanial W | Collected date/time: 02/18/25 12:30 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:31 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:15 | 02/21/25 20:15 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:43 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:11 | 02/19/25 12:11 | JAS | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 45.7 | | 0.809 | 7.15 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.373 | | 0.131 | 0.250 | 1 | 02/23/2025 16:14 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.349 | J5 | 0.0435 | 0.200 | 1 | 02/21/2025 19:25 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0842 | J | 0.0642 | 0.100 | 1 | 02/23/2025 17:26 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0480 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:06 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 45.1 | | 0.809 | 7.15 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.434 | | 0.131 | 0.250 | 1 | 02/23/2025 16:17 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.368 | J5 | 0.0435 | 0.200 | 1 | 02/21/2025 19:31 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0946 | J | 0.0642 | 0.100 | 1 | 02/23/2025 17:29 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0330 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:06 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 23.0 | | 0.405 | 3.58 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.440 | | 0.131 | 0.250 | 1 | 02/23/2025 16:22 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.151 | J | 0.0435 | 0.200 | 1 | 02/21/2025 19:38 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | U | | 0.0642 | 0.100 | 1 | 02/23/2025 17:31 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0270 | J | 0.0196 | 0.0300 | 1 | 02/19/2025 12:09 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 37.3 | | 0.708 | 6.25 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.453 | | 0.131 | 0.250 | 1 | 02/23/2025 16:23 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.258 | | 0.0435 | 0.200 | 1 | 02/21/2025 19:40 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.102 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:35 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.159 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:09 | WG2454365 |

## Microbiology by Method 9223 B-2016

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | MPN/100ml | | | date / time | |
| E.Coli | 1990 | | 1 | 02/19/2025 16:20 | WG2454107 |
| Coliform,Total | >2419.6 | | 1 | 02/19/2025 16:20 | WG2454107 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Suspended Solids | 20.1 | | 0.405 | 3.58 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.416 | | 0.131 | 0.250 | 1 | 02/23/2025 16:24 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 0.776 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:05 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.106 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:36 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0850 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:09 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 77.2 | | 1.13 | 10.0 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.522 | | 0.131 | 0.250 | 1 | 02/23/2025 16:26 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.295 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:06 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0751 | J | 0.0642 | 0.100 | 1 | 02/23/2025 17:38 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0460 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:10 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 62.8 | | 1.13 | 10.0 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.477 | | 0.131 | 0.250 | 1 | 02/23/2025 16:27 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.351 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:08 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0855 | J | 0.0642 | 0.100 | 1 | 02/23/2025 17:39 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0310 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:10 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 230 | | 2.83 | 25.0 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.484 | | 0.131 | 0.250 | 1 | 02/23/2025 16:28 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.366 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:11 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.161 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:40 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0320 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:11 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 250 | | 2.83 | 25.0 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.501 | | 0.131 | 0.250 | 1 | 02/23/2025 16:29 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.141 | J | 0.0435 | 0.200 | 1 | 02/21/2025 20:13 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.236 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:41 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0220 | J | 0.0196 | 0.0300 | 1 | 02/19/2025 12:11 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 44.0 | | 0.942 | 8.33 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.432 | | 0.131 | 0.250 | 1 | 02/23/2025 16:31 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.334 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:15 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.120 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:43 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0320 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:11 | WG2454365 |

## Method Blank (MB)

(MB) R4178265-1 02/19/25 16:20

| Analyte | MB Result cfu/100 ml | MB Qualifier | MB MDL cfu/100 ml | MB RDL cfu/100 ml |
|---|---|---|---|---|
| E.Coli | <1 | | | |
| Coliform,Total | <1 | | | |

## Method Blank (MB)

(MB) R4178813-1 02/20/25 11:25

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 0.283 | 2.50 |

## L1827802-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-04 02/20/25 11:25 • (DUP) R4178813-3 02/20/25 11:25

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 37.3 | 38.8 | 1 | 3.95 | | 10 |

## L1827856-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827856-02 02/20/25 11:25 • (DUP) R4178813-4 02/20/25 11:25

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 8.10 | 7.50 | 1 | 7.69 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4178813-2 02/20/25 11:25

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 768 | 99.4 | 85.0-115 | |

## Method Blank (MB)

(MB) R4179309-1 02/23/25 16:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.131 | 0.250 |

## L1827802-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-01 02/23/25 16:14 • (DUP) R4179309-5 02/23/25 16:15

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.373 | 0.407 | 1 | 8.72 | | 20 |

## L1827802-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-02 02/23/25 16:17 • (DUP) R4179309-6 02/23/25 16:21

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.434 | 0.447 | 1 | 2.95 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4179309-2 02/23/25 16:06

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 9.65 | 9.94 | 103 | 90.0-110 | |

## L1827741-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827741-01 02/23/25 16:10 • (MS) R4179309-3 02/23/25 16:12 • (MSD) R4179309-4 02/23/25 16:13

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 6.93 | 12.7 | 12.2 | 115 | 105 | 1 | 90.0-110 | J5 | | 4.02 | 20 |

## L1827723-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1827723-01 02/23/25 17:00 • (MS) R4179309-7 02/23/25 17:01

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 65.3 | 69.3 | 80.0 | 10 | 90.0-110 | V |

## Method Blank (MB)

(MB) R4179273-1 02/21/25 19:21

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0435 | 0.200 |

## Laboratory Control Sample (LCS)

(LCS) R4179273-2 02/21/25 19:23

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.64 | 106 | 90.0-110 | |

## L1827802-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827802-01 02/21/25 19:25 • (MS) R4179273-3 02/21/25 19:27 • (MSD) R4179273-4 02/21/25 19:29

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.349 | 3.11 | 3.14 | 110 | 112 | 1 | 90.0-110 | | J5 | 0.832 | 20 |

## L1827802-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827802-02 02/21/25 19:31 • (MS) R4179273-5 02/21/25 19:34 • (MSD) R4179273-6 02/21/25 19:36

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.368 | 3.09 | 3.16 | 109 | 112 | 1 | 90.0-110 | | J5 | 2.27 | 20 |

## Method Blank (MB)

(MB) R4179318-1 02/23/25 17:20

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | U | | 0.0642 | 0.100 |

## L1827802-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-01 02/23/25 17:26 • (DUP) R4179318-5 02/23/25 17:27

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0842 | 0.0797 | 1 | 5.49 | J | 20 |

## L1827802-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-02 02/23/25 17:29 • (DUP) R4179318-6 02/23/25 17:30

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0946 | 0.0796 | 1 | 17.2 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4179318-2 02/23/25 17:21

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 3.98 | 92.6 | 85.0-115 | |

## L1827741-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827741-01 02/23/25 17:22 • (MS) R4179318-3 02/23/25 17:24 • (MSD) R4179318-4 02/23/25 17:25

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.152 | 2.49 | 2.45 | 93.5 | 91.9 | 1 | 90.0-110 | | | 1.62 | 20 |

# QUALITY CONTROL SUMMARY

L1827802-01,02,03,04,05,06,07,08,09,10

## Method Blank (MB)

(MB) R4178141-1 02/19/25 12:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 |

## L1827802-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-02 02/19/25 12:06 • (DUP) R4178141-5 02/19/25 12:08

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0330 | 0.0330 | 1 | 0.000 | | 20 |

## L1827805-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827805-02 02/19/25 12:12 • (DUP) R4178141-6 02/19/25 12:13

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0230 | 0.0240 | 1 | 4.26 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4178141-2 02/19/25 12:06

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.234 | 95.7 | 85.0-115 | |

## L1827802-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827802-01 02/19/25 12:06 • (MS) R4178141-3 02/19/25 12:06 • (MSD) R4178141-4 02/19/25 12:06

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | 0.0480 | 0.501 | 0.503 | 90.6 | 91.0 | 1 | 80.0-120 | | | 0.398 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO00356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

## Pace Analytical National 1313 Point Mallard Parkway SE Suite A Decatur, AL 35601

| | |
|---|---|
| Alabama | 40160 (Total Coliforms / E. coli by SM 9223 B (MMO-MUG) Colilert: provisionally certified) |
| ANSI National Accreditation Board | L2239 |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

360 D Quality Circle NW
Suite 450
Huntsville. AL 35806

Billing Information:
Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Pres Chk

Report to:
**Ms. Sarah Yeldell**

Email To: syeldell@smeinc.com

Project Description:
**Etowah MS4**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project #
**23820129**

Lab Project #
**QOREHAL-ETOWAHMS4**

Collected by (print):
[illegible]

Site/Facility ID #
**BOAT**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

*Rush?* (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | E Coli | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HB 3 | G | WW | -5 | 2-18-25 | 1216 | 4 | X | X | X | X | | | | | | | | | -01 |
| SME 4 | | WW | | | 1222 | 4 | X | X | X | X | | | | | | | | | -02 |
| GD 5 | | WW | | | 1236 | 4 | X | X | X | X | | | | | | | | | -03 |
| SME 3 | | WW | | | 1206 | 4 | X | X | X | X | | | | | | | | | -04 |
| SME 1 | | WW | | | 1258 | 4 | X | X | X | X | X | | | | | | | | -05 |
| SS5 | | WW | | | 1016 | 4 | X | X | X | X | | | | | | | | | -06 |
| SME 5 | | WW | | | 1025 | 4 | X | X | X | X | | | | | | | | | -07 |
| SME 6 | | WW | | | 1113 | 4 | X | X | X | X | | | | | | | | | -08 |
| RC 14 | | WW | | | 1058 | 4 | X | X | X | X | | | | | | | | | -09 |
| SME 11 DUPLICATE | | WW | | | 1230 | 4 | X | X | X | X | | | | | | | | | -10 |

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

**Remarks:**

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

| | Date: | Time: | |
|---|---|---|---|
| Relinquished by: (Signature) | 2-18-25 | 1530 | Received by: (Signature) |
| Relinquished by: (Signature) | 2.18.25 | 1700 | Received by: (Signature) |
| Relinquished by: (Signature) | | | Received for lab by: (Signature) |

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: DEC °C Bottles Received: 41
2.2 2/18/25
0.2 CH on ice

Date: Time:

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1827802

Table #

Acctnum: **QOREHAL**
Template: **T238643**
Prelogin: **P1117987**
PM: **034 - Craig Cothron**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
**S&ME - Huntsville**

360 D Quality Circle NW
Suite 450
Huntsville. AL 35806

Billing Information:
Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Pres Chk

Report to:
Ms. Sarah Yeldell

Email To: syeldell@smeinc.com

Project Description:
Etowah MS4

City/State Collected:

Please Circle: PT MT CT ET

Phone: 256-837-8882

Client Project #
23820129

Lab Project #
QOREHAL-ETOWAHMS4

Collected by (print):
Nathaniel Hall

Site/Facility ID #
BOAT

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

*Rush?* (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | E Coli | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HB 3 | G | WW | -5 | 2-18-25 | 1216 | 4 | X | X | X | X | | | | | | | | | -01 |
| SME 4 | | WW | | | 1222 | 4 | X | X | X | X | | | | | | | | | -02 |
| GD 5 | | WW | | | 1236 | 4 | X | X | X | X | | | | | | | | | -03 |
| SME 3 | | WW | | | 1246 | 4 | X | X | X | X | | | | | | | | | -04 |
| SME 1 | | WW | | | 1258 | 4 | X | X | X | X | X | | | | | | | | -05 |
| SS5 | | WW | | | 1016 | 4 | X | X | X | X | | | | | | | | | -06 |
| SME 5 | | WW | | | 1025 | 4 | X | X | X | X | | | | | | | | | -07 |
| SME 6 | | WW | | | 1113 | 4 | X | X | X | X | | | | | | | | | -08 |
| RC 14 | | WW | | | 1058 | 4 | X | X | X | X | | | | | | | | | -09 |
| ~~SME 11~~ Duplicate | | WW | | | 1230 | 4 | X | X | X | X | | | | | | | | | -10 |

Chain of Custody Page ___ of ___

Pace
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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1827802

Table #

Acctnum: QOREHAL
Template: T238643
Prelogin: P1117987
PM: 034 - Craig Cothron
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N
1.1 to 1.4 = 1.5 TD49

| | Date: | Time: | | |
|---|---|---|---|---|
| Relinquished by: (Signature) | 2-18-25 | 1530 | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR |
| Relinquished by: (Signature) | 2.18.25 | 1700 | Received by: (Signature) | Temp: DEC °C 2.2 2.0 2.2 Bottles Received: 41 If preservation required by Login: Date/Time |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 2.19.25 Time: 0900 Hold: Condition: NCF / OK |

# ANALYTICAL REPORT

February 24, 2025



## S&ME - Huntsville

| | |
|---|---|
| Sample Delivery Group: | L1827805 |
| Samples Received: | 02/18/2025 |
| Project Number: | 23820129 |
| Description: | Etowah MS4 |
| Site: | LAND |
| Report To: | Ms. Sarah Yeldell<br>360 D Quality Circle NW<br>Suite 450<br>Huntsville, AL 35806 |

Entire Report Reviewed By:

Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
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## SME 7 L1827805-01 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 13:15 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Microbiology by Method 9223 B-2016 | WG2454107 | 1 | 02/18/25 16:13 | 02/19/25 16:20 | LMH | Decatur, AL |
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:32 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:17 | 02/21/25 20:17 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:44 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:12 | 02/19/25 12:12 | JAS | Mt. Juliet, TN |

## SME 9 L1827805-02 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 10:35 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:36 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:19 | 02/21/25 20:19 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:45 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:12 | 02/19/25 12:12 | JAS | Mt. Juliet, TN |

## SME 10 L1827805-03 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 10:20 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:37 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:21 | 02/21/25 20:21 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:46 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:13 | 02/19/25 12:13 | JAS | Mt. Juliet, TN |

## SS 13 L1827805-04 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 11:25 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:38 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:24 | 02/21/25 20:24 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:50 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:13 | 02/19/25 12:13 | JAS | Mt. Juliet, TN |

## SS 14 L1827805-05 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 11:35 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:40 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:37 | 02/21/25 20:37 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:52 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:13 | 02/19/25 12:13 | JAS | Mt. Juliet, TN |

## GD 12 L1827805-06 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 11:55 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454646 | 1 | 02/20/25 11:23 | 02/20/25 11:25 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:41 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:39 | 02/21/25 20:39 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:53 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:14 | 02/19/25 12:14 | JAS | Mt. Juliet, TN |

## RC 2 L1827805-07 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 12:25 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454661 | 1 | 02/20/25 08:35 | 02/20/25 12:12 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2454590 | 1 | 02/23/25 07:48 | 02/23/25 16:42 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:41 | 02/21/25 20:41 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456714 | 1 | 02/23/25 07:48 | 02/23/25 17:54 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:14 | 02/19/25 12:14 | JAS | Mt. Juliet, TN |

## AT 5 L1827805-08 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 12:45 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Microbiology by Method 9223 B-2016 | WG2454107 | 1 | 02/18/25 16:13 | 02/19/25 16:20 | LMH | Decatur, AL |
| Gravimetric Analysis by Method 2540 D-2020 | WG2454661 | 1 | 02/20/25 08:35 | 02/20/25 12:12 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2455464 | 1 | 02/21/25 07:41 | 02/22/25 10:59 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:43 | 02/21/25 20:43 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456226 | 1 | 02/21/25 07:41 | 02/22/25 11:19 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:15 | 02/19/25 12:15 | JAS | Mt. Juliet, TN |

## SME 12 L1827805-09 WW

Collected by: E. Kennedy | Collected date/time: 02/18/25 12:55 | Received date/time: 02/18/25 15:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Gravimetric Analysis by Method 2540 D-2020 | WG2454661 | 1 | 02/20/25 08:35 | 02/20/25 12:12 | MMF | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2 | WG2455464 | 1 | 02/21/25 07:41 | 02/22/25 11:03 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 353.2 | WG2454531 | 1 | 02/21/25 20:45 | 02/21/25 20:45 | CAT | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4 | WG2456226 | 1 | 02/21/25 07:41 | 02/22/25 11:23 | LDT | Mt. Juliet, TN |
| Wet Chemistry by Method 4500P E-2011 | WG2454365 | 1 | 02/19/25 12:15 | 02/19/25 12:15 | JAS | Mt. Juliet, TN |

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

## Microbiology by Method 9223 B-2016

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | MPN/100ml | | | date / time | |
| E.Coli | 770 | | 1 | 02/19/2025 16:20 | WG2454107 |
| Coliform,Total | >2419.6 | | 1 | 02/19/2025 16:20 | WG2454107 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Suspended Solids | 38.8 | | 0.566 | 5.00 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | 0.593 | | 0.131 | 0.250 | 1 | 02/23/2025 16:32 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 1.09 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:17 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.252 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:44 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.0990 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:12 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 28.5 | | 0.283 | 2.50 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.833 | | 0.131 | 0.250 | 1 | 02/23/2025 16:36 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.106 | J | 0.0435 | 0.200 | 1 | 02/21/2025 20:19 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0949 | J | 0.0642 | 0.100 | 1 | 02/23/2025 17:45 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0230 | J | 0.0196 | 0.0300 | 1 | 02/19/2025 12:12 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 4.60 | | 0.283 | 2.50 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.371 | | 0.131 | 0.250 | 1 | 02/23/2025 16:37 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.327 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:21 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | U | | 0.0642 | 0.100 | 1 | 02/23/2025 17:46 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:13 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 20.0 | | 0.314 | 2.78 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.648 | | 0.131 | 0.250 | 1 | 02/23/2025 16:38 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.493 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:24 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.163 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:50 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:13 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 4.50 | | 0.283 | 2.50 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.551 | | 0.131 | 0.250 | 1 | 02/23/2025 16:40 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.892 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:37 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.156 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:52 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0540 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:13 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 4.20 | | 0.283 | 2.50 | 1 | 02/20/2025 11:25 | WG2454646 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.497 | | 0.131 | 0.250 | 1 | 02/23/2025 16:41 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.345 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:39 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.116 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:53 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:14 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 6.40 | | 0.283 | 2.50 | 1 | 02/20/2025 12:12 | WG2454661 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.519 | | 0.131 | 0.250 | 1 | 02/23/2025 16:42 | WG2454590 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 0.405 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:41 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.120 | | 0.0642 | 0.100 | 1 | 02/23/2025 17:54 | WG2456714 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0550 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:14 | WG2454365 |

## Microbiology by Method 9223 B-2016

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|---|---|---|---|---|---|
| | MPN/100ml | | | date / time | |
| E.Coli | 687 | | 1 | 02/19/2025 16:20 | WG2454107 |
| Coliform,Total | >2419.6 | | 1 | 02/19/2025 16:20 | WG2454107 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Suspended Solids | 36.6 | | 0.566 | 5.00 | 1 | 02/20/2025 12:12 | WG2454661 |

## Wet Chemistry by Method 351.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Kjeldahl Nitrogen, TKN | U | J5 | 0.131 | 0.250 | 1 | 02/22/2025 10:59 | WG2455464 |

## Wet Chemistry by Method 353.2

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Nitrate-Nitrite | 1.05 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:43 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphorus,Total | 0.233 | B | 0.0642 | 0.100 | 1 | 02/22/2025 11:19 | WG2456226 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Phosphate,Ortho | 0.108 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:15 | WG2454365 |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Suspended Solids | 44.5 | | 0.708 | 6.25 | 1 | 02/20/2025 12:12 | WG2454661 |

## Wet Chemistry by Method 351.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.131 | 0.250 | 1 | 02/22/2025 11:03 | WG2455464 |

## Wet Chemistry by Method 353.2

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 1.05 | | 0.0435 | 0.200 | 1 | 02/21/2025 20:45 | WG2454531 |

## Wet Chemistry by Method 365.4

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.205 | B | 0.0642 | 0.100 | 1 | 02/22/2025 11:23 | WG2456226 |

## Wet Chemistry by Method 4500P E-2011

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0860 | | 0.0196 | 0.0300 | 1 | 02/19/2025 12:15 | WG2454365 |

# QUALITY CONTROL SUMMARY

L1827805-01,08

## Method Blank (MB)

(MB) R4178265-1 02/19/25 16:20

| Analyte | MB Result cfu/100 ml | MB Qualifier | MB MDL cfu/100 ml | MB RDL cfu/100 ml |
|---|---|---|---|---|
| E.Coli | <1 | | | |
| Coliform,Total | <1 | | | |

## Method Blank (MB)

(MB) R4178813-1 02/20/25 11:25

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 0.283 | 2.50 |

## L1827802-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-04 02/20/25 11:25 • (DUP) R4178813-3 02/20/25 11:25

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 37.3 | 38.8 | 1 | 3.95 | | 10 |

## L1827856-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827856-02 02/20/25 11:25 • (DUP) R4178813-4 02/20/25 11:25

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 8.10 | 7.50 | 1 | 7.69 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4178813-2 02/20/25 11:25

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 768 | 99.4 | 85.0-115 | |

## Method Blank (MB)

(MB) R4178903-1 02/20/25 12:12

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Suspended Solids | U | | 0.283 | 2.50 |

## L1827805-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1827805-08 02/20/25 12:12 • (DUP) R4178903-3 02/20/25 12:12

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 36.6 | 37.4 | 1 | 2.16 | | 10 |

## L1828001-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1828001-01 02/20/25 12:12 • (DUP) R4178903-4 02/20/25 12:12

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Suspended Solids | 856 | 865 | 1 | 0.984 | | 10 |

## Laboratory Control Sample (LCS)

(LCS) R4178903-2 02/20/25 12:12

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Suspended Solids | 773 | 732 | 94.7 | 85.0-115 | |

## Method Blank (MB)

(MB) R4179309-1 02/23/25 16:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.131 | 0.250 |

## L1827802-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-01 02/23/25 16:14 • (DUP) R4179309-5 02/23/25 16:15

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.373 | 0.407 | 1 | 8.72 | | 20 |

## L1827802-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-02 02/23/25 16:17 • (DUP) R4179309-6 02/23/25 16:21

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 0.434 | 0.447 | 1 | 2.95 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4179309-2 02/23/25 16:06

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 9.65 | 9.94 | 103 | 90.0-110 | |

## L1827741-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827741-01 02/23/25 16:10 • (MS) R4179309-3 02/23/25 16:12 • (MSD) R4179309-4 02/23/25 16:13

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 6.93 | 12.7 | 12.2 | 115 | 105 | 1 | 90.0-110 | J5 | | 4.02 | 20 |

## L1827723-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1827723-01 02/23/25 17:00 • (MS) R4179309-7 02/23/25 17:01

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 65.3 | 69.3 | 80.0 | 10 | 90.0-110 | V |

## Method Blank (MB)

(MB) R4179139-1 02/22/25 10:56

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | | 0.131 | 0.250 |

## L1827805-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1827805-09 02/22/25 11:03 • (DUP) R4179139-5 02/22/25 11:04

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | U | U | 1 | 0.000 | | 20 |

## L1827904-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1827904-01 02/22/25 11:05 • (DUP) R4179139-6 02/22/25 11:07

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 10.9 | 10.4 | 1 | 4.69 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4179139-2 02/22/25 10:58

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 9.65 | 9.62 | 99.7 | 90.0-110 | |

## L1827805-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827805-08 02/22/25 10:59 • (MS) R4179139-3 02/22/25 11:00 • (MSD) R4179139-4 02/22/25 11:01

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | U | 6.54 | 6.11 | 131 | 122 | 1 | 90.0-110 | J5 | J5 | 6.80 | 20 |

## L1828077-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1828077-01 02/22/25 11:19 • (MS) R4179139-7 02/22/25 11:21

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Kjeldahl Nitrogen, TKN | 5.00 | 6.93 | 14.9 | 159 | 1 | 90.0-110 | J5 |

## Method Blank (MB)

(MB) R4179273-1 02/21/25 19:21

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Nitrate-Nitrite | U | | 0.0435 | 0.200 |

## Laboratory Control Sample (LCS)

(LCS) R4179273-2 02/21/25 19:23

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 2.64 | 106 | 90.0-110 | |

## L1827802-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827802-01 02/21/25 19:25 • (MS) R4179273-3 02/21/25 19:27 • (MSD) R4179273-4 02/21/25 19:29

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.349 | 3.11 | 3.14 | 110 | 112 | 1 | 90.0-110 | | J5 | 0.832 | 20 |

## L1827802-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827802-02 02/21/25 19:31 • (MS) R4179273-5 02/21/25 19:34 • (MSD) R4179273-6 02/21/25 19:36

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate-Nitrite | 2.50 | 0.368 | 3.09 | 3.16 | 109 | 112 | 1 | 90.0-110 | | J5 | 2.27 | 20 |

## Method Blank (MB)

(MB) R4179146-1 02/22/25 11:13

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | 0.0730 | J | 0.0642 | 0.100 |

## L1827805-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1827805-09 02/22/25 11:23 • (DUP) R4179146-5 02/22/25 11:24

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.205 | 0.206 | 1 | 0.487 | | 20 |

## L1827904-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1827904-01 02/22/25 11:28 • (DUP) R4179146-6 02/22/25 11:29

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 1.92 | 1.84 | 1 | 4.26 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4179146-2 02/22/25 11:14

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 4.46 | 104 | 85.0-115 | |

## L1827805-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827805-08 02/22/25 11:19 • (MS) R4179146-3 02/22/25 11:20 • (MSD) R4179146-4 02/22/25 11:22

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.233 | 2.89 | 2.79 | 106 | 102 | 1 | 90.0-110 | | | 3.52 | 20 |

## Method Blank (MB)

(MB) R4179318-1 02/23/25 17:20

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphorus,Total | U | | 0.0642 | 0.100 |

## L1827802-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-01 02/23/25 17:26 • (DUP) R4179318-5 02/23/25 17:27

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0842 | 0.0797 | 1 | 5.49 | J | 20 |

## L1827802-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-02 02/23/25 17:29 • (DUP) R4179318-6 02/23/25 17:30

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphorus,Total | 0.0946 | 0.0796 | 1 | 17.2 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4179318-2 02/23/25 17:21

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphorus,Total | 4.30 | 3.98 | 92.6 | 85.0-115 | |

## L1827741-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827741-01 02/23/25 17:22 • (MS) R4179318-3 02/23/25 17:24 • (MSD) R4179318-4 02/23/25 17:25

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphorus,Total | 2.50 | 0.152 | 2.49 | 2.45 | 93.5 | 91.9 | 1 | 90.0-110 | | | 1.62 | 20 |

# QUALITY CONTROL SUMMARY

L1827805-01,02,03,04,05,06,07,08,09

## Method Blank (MB)

(MB) R4178141-1 02/19/25 12:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Phosphate,Ortho | U | | 0.0196 | 0.0300 |

## L1827802-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827802-02 02/19/25 12:06 • (DUP) R4178141-5 02/19/25 12:08

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0330 | 0.0330 | 1 | 0.000 | | 20 |

## L1827805-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1827805-02 02/19/25 12:12 • (DUP) R4178141-6 02/19/25 12:13

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.0230 | 0.0240 | 1 | 4.26 | J | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4178141-2 02/19/25 12:06

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Phosphate,Ortho | 0.245 | 0.234 | 95.7 | 85.0-115 | |

## L1827802-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827802-01 02/19/25 12:06 • (MS) R4178141-3 02/19/25 12:06 • (MSD) R4178141-4 02/19/25 12:06

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phosphate,Ortho | 0.500 | 0.0480 | 0.501 | 0.503 | 90.6 | 91.0 | 1 | 80.0-120 | | | 0.398 | 20 |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

## Pace Analytical National 1313 Point Mallard Parkway SE Suite A Decatur, AL 35601

| | |
|---|---|
| Alabama | 40160 (Total Coliforms / E. coli by SM 9223 B (MMO-MUG) Colilert: provisionally certified) |
| ANSI National Accreditation Board | L2239 |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
**S&ME - Huntsville**

**360 D Quality Circle NW**
**Suite 450**
**Huntsville. AL 35806**

Billing Information:
**Accounts Payable**
**360 D Quality Circle NW**
**Suite 450**
**Huntsville, AL 35806**

Pres Chk

Report to:
**Ms. Sarah Yeldell**

Email To: **syeldell@smeinc.com**

Project Description:
**Etowah MS4**

City/State Collected: **Cartersville AL**

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project # **23820129**

Lab Project # **QOREHAL-ETOWAHMS4**

Collected by (print): **E. Kennedy**

Site/Facility ID # **LAND**

P.O. #

Collected by (signature): **E. Kennedy**

Immediately Packed on Ice N ___ Y X

*Rush?* (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | eColi | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SME 7 | Grab | WW | Surface | 2-18-25 | 315 | 4 | X | X | X | X | X | | -01 |
| SME 9 | | WW | | | 035 | 4 | X | X | X | X | | | -02 |
| SME 10 | | WW | | | 1020 | 4 | X | X | X | X | | | -03 |
| SS 13 | | WW | | | 1125 | 4 | X | X | X | X | | | -04 |
| SS 14 | | WW | | | 1135 | 4 | X | X | X | X | | | -05 |
| GD 12 | | WW | | | 1155 | 4 | X | X | X | X | | | -06 |
| RC 2 | | WW | | | 1225 | 4 | X | X | X | X | | | -07 |
| AT 5 | | WW | | | 1245 | 4 | X | X | X | X | X | | -08 |
| SME 12 | | WW | | | 1255 | 4 | X | X | X | X | | | -09 |

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| [signature] | 2-18-25 | 1530 | [signature] |
| [signature] | 2.18.25 | 1700 | |
| | | | Received for lab by: (Signature) |

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: DEC °C Bottles Received: 38
45 LH on ice

Date: Time:

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page ___ of ___

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PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1827805

Table #

Acctnum: **QOREHAL**
Template: **T238641**
Prelogin: **P1117986**
PM: **034 - Craig Cothron**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
**S&ME - Huntsville**

**360 D Quality Circle NW**
**Suite 450**
**Huntsville. AL 35806**

Billing Information:
**Accounts Payable**
**360 D Quality Circle NW**
**Suite 450**
**Huntsville, AL 35806**

Pres Chk

Report to:
**Ms. Sarah Yeldell**

Email To: **syeldell@smeinc.com**

Project Description:
**Etowah MS4**

City/State Collected: **Gaston AL**

Please Circle: PT MT CT ET

Phone: **256-837-8882**

Client Project #
**23820129**

Lab Project #
**QOREHAL-ETOWAHMS4**

Collected by (print):
**E. Kennedy**

Site/Facility ID #
**LAND**

P.O. #

Collected by (signature):
**E. Kennedy**

Immediately Packed on Ice N ___ Y X

***Rush?*** (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | NO2NO3,PT 250mlHDPE-H2SO4 | PORTHO 100ml Amb NoPres | TKN 250mlHDPE-H2SO4 | TSS 1L-HDPE NoPres | eColi | | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SME 7 | Grab | WW | Surface | 2-18-25 | 0915 | 4 | X | X | X | X | X | | | | | | | | | -01 |
| SME 9 | | WW | | | 0935 | 4 | X | X | X | X | | | | | | | | | | -02 |
| SME 10 | | WW | | | 1020 | 4 | X | X | X | X | | | | | | | | | | -03 |
| SS 13 | | WW | | | 1125 | 4 | X | X | X | X | | | | | | | | | | -04 |
| SS 14 | | WW | | | 1135 | 4 | X | X | X | X | | | | | | | | | | -05 |
| GD 12 | | WW | | | 1155 | 4 | X | X | X | X | | | | | | | | | | -06 |
| RC 2 | | WW | | | 1225 | 4 | X | X | X | X | | | | | | | | | | -07 |
| AT 5 | | WW | | | 1245 | 4 | X | X | X | X | X | | | | | | | | | -08 |
| SME 12 | | WW | | | 1255 | 4 | X | X | X | X | | | | | | | | | | -09 |
| | | | | | | | | | | | | | | | | | | | | |

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

**Remarks:**

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| [signature] | 2-18-25 | 1530 | [signature] |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
| [signature] | 2.18.25 | 1700 | |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | Deyanta |

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: DEC °C Bottles Received: 38
4.5 LH on ice

Date: 2.19.25 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N
0.4 to 0.4 = 0.8 TDM

Chain of Custody Page ___ of ___

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SDG # L1827805

Table #

Acctnum: **QOREHAL**
Template: **T238641**
Prelogin: **P1117986**
PM: **034 - Craig Cothron**
PB:

Shipped Via: **FedEX Ground**

# Appendix D – Public Education and Involvement

SURFACE RUNOFF

# Stormwater Management

**Details**

For more detailed information on storm-water management and each control measure please visit:

**Link**

https://www.epa.gov/npdes/npdes-stormwater-program

## HAVE QUESTION?

The City of Rainbow City is required by the Alabama Department of Environmental Management (ADEM) to comply with the General Phase II Municipal Separate Storm Sewer System (MS4) Permit No. ALR040056. One of the conditions of the permit is to develop, implement, and enforce a Storm Water Management Program (SWMP).

The SWMP must be designed to reduce the discharge of pollutants from our MS4 to the maximum extent practicable (MEP) to protect the water quality and to satisfy the appropriate water quality requirements of the Clean Water Act. The City of Rainbow City entered into a cooperative agreement with the City of Gadsden, the City of Hokes Bluff, the City of Glencoe, the City of Attalla, the City of Southside, and Etowah County to develop an overall SWMP for each entity to implement as required to comply with the permit referenced above.

An MS4 is defined by the EPA as a conveyance or system of conveyances that is owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.; designed or used to collect or convey stormwater (including storm drains, pipes, ditches, etc.); not a combined sewer; and not part of a Publicly Owned Treatment Works (sewage treatment plant).

Our SWMP contains five minimum control measures that must be included as required by the referenced permit. The City is currently in the process of taking the necessary steps to implement each control measure. The control measures are as follows:

### Public Education and Outreach

The City's goal is to have a comprehensive and effective public education and outreach program, the intent of which is to:

- Generate awareness of storm water pollution prevention by educating people about the storm drain system and its relationship to the health of local waterways.
- Change behavior patterns through education and encouragement of active participation in water pollution prevention.
- Inform the public of steps they can take to reduce pollutants in storm water runoff.

### Illicit Discharge Detection and Elimination

Rainbow City's Illicit Discharge Detection and Elimination (IDDE) program will be primarily designed to locate, identify, and correct illicit discharges to the MS4. Program emphasis will be placed on identifying and correcting pollutant discharges which could influence compliance with the Neely Henry Lake TMDL's and the Gadsden-Etowah pollutant monitoring program (as outlined in complete SWMP document).

### Construction Site Storm Water Runoff

The City's construction site storm water runoff control program is primarily designed to address storm water pollution due to off-site sedimentation by insuring the implementation of properly designed erosion and sedimentation control plans during regulated construction activities.

### Post-Construction Storm Water Management

Post-Construction runoff can significantly impact a water body by increasing the type and quantity of pollutants in storm water runoff and by increasing the quantity of water delivered to the water body during storms. As runoff flows over areas altered by development, it collects sediment and chemicals such as oil, grease, pesticides, heavy metals, and nutrients. Instead of infiltrating, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff are delivered to the nearest receiving water. Both impacts can be mitigated by proper post-construction planning.

### Pollution Prevention and Good Housekeeping for Municipal Operations

Rainbow City will develop and utilize BMP's designed to minimize pollution related to municipal operations and maintenance. These BMP's are intended to address storm water pollution from nutrients, sediments, petroleum products, and other common pollutants.

# HAVE QUESTION?

For questions about the City of Rainbow City Storm-water Management Program and its implementation or to report a non-compliant construction site, illicit discharge (including spills or illegal dumping), impaired waterways, or any possible violation of ordinances relating to stormwater pollution please contact the **Rainbow City & Utilities Board Engineering Department at 256-413-1230.**

If immediate assistance is required outside of the normal operating hours of City Hall which is Monday through Friday from 8 am to 4 pm, please call the **Rainbow City Dispatch Office available 24/7 at 256-442-2511.**

## City Engineer / Street Superintendent

### Call us today

(256) 413 - 1230
(256) 413 - 1237

### Address

3700 Rainbow Drive
Rainbow City, AL 35906

# DOWNLOAD PDF FILES

| | |
|---|---|
| Rainbow City 2023-2024 Annual Report | DOWNLOAD |
| Illicit Discharge Detection & Elimination Complaint Form | DOWNLOAD |
| SWMPP 2025 | DOWNLOAD |
| Site Plan Review – SOP | DOWNLOAD |
| Construction Inspection – SOP | DOWNLOAD |
| Revisions to the Storm Water Management Program – 2014 | DOWNLOAD |
| Rainbow City Storm Water System Map – Doc 10 | DOWNLOAD |
| NPDES Permit ALR040056 | DOWNLOAD |
| Stormwater-Management-Program_ALR040056 | DOWNLOAD |
| Stormwater-H-1 | DOWNLOAD |
| Stormwater H-2-1 | DOWNLOAD |
| Stormwater H-2-2 | DOWNLOAD |
| Stormwater H-2-3 | DOWNLOAD |
| Stormwater H-2-4 | DOWNLOAD |
| Stormwater H-2-5 | DOWNLOAD |

## How can we help?

Call us or drop us a line.


**Address:**
3700 Rainbow Drive
Rainbow City, AL
35906-6324

**Call Us:**
(256) 442-2511

**Email:**
mayor@rbcalabama.com


RBC RAINBOW CITY ALABAMA



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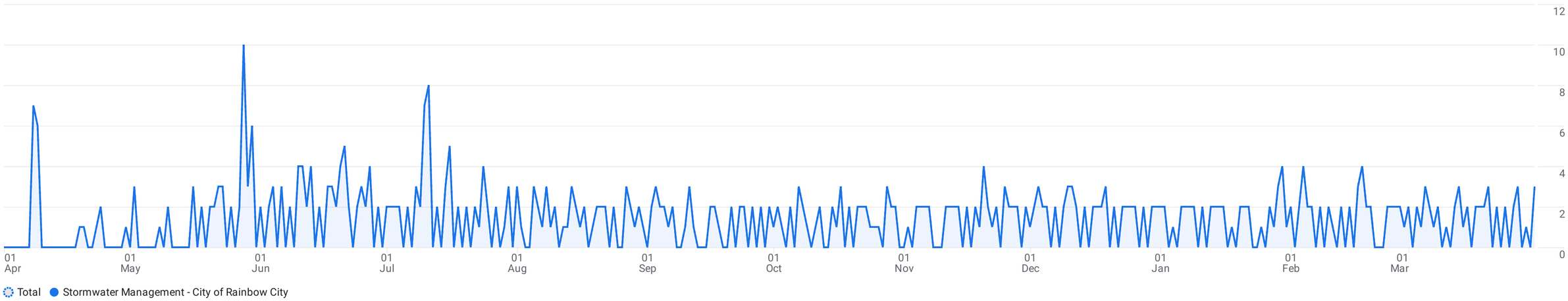
Views by Page title and screen class over time

Day




Plot rows | Stormwater Management | Rows per page: 250 | 1-1 of 1

| Page title and screen class | Views | Active users | Views per active user | Average engagement time per active user | Event count (All events) | Key events (All events) | Total revenue |
|---|---|---|---|---|---|---|---|
| Total | 517<br>0.42% of total | 484<br>0.89% of total | 1.07<br>Avg -52.15% | 8s<br>Avg -81.59% | 1,950<br>0.57% of total | 517.00<br>0.52% of total | $0.00 |
| 1 Stormwater Management - City of Rainbow City | 517 (100%) | 484 (100%) | 1.07 | 8s | 1,950 (100%) | 517.00 (100%) | $0.00 (–) |

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# Educational Materials Placed at City Hall and RBC Library

| Documents | City Hall | Library | Date 02/28/24 |
|---|---|---|---|
| After the Storm | 0 | 0 | |
| Stormwater Pollution | 2 | 2 | |
| Cost Of LID | 2 | 2 | |
| Effectiveness of LID | 2 | 2 | |
| Urban Runoff | 2 | 2 | |
| Construction Industry | 2 | 2 | |
| S-water Management | 2 | 2 | |

| Documents | City Hall | Library | Date 09/26/24 |
|---|---|---|---|
| After the Storm | 5 | 5 | |
| Stormwater Pollution | 5 | 5 | |
| Cost Of LID | 5 | 5 | |
| Effectiveness of LID | 5 | 5 | |
| Urban Runoff | 5 | 5 | |
| S-water Management | 10 | 10 | |

| Documents | City Hall | Library | Date 11/21/24 |
|---|---|---|---|
| After the Storm | 4 | 4 | -2 |
| Stormwater Pollution | 5 | 5 | |
| Cost Of LID | 5 | 5 | |
| Effectiveness of LID | 5 | 5 | |
| Urban Runoff | 5 | 5 | |
| S-water Management | 10 | 10 | |

| Documents | City Hall | Library | Date 02/06/25 |
|---|---|---|---|
| After the Storm | 5 | 5 | |
| Stormwater Pollution | 5 | 5 | |
| Cost Of LID | 5 | 5 | |
| Effectiveness of LID | 5 | 5 | |
| Urban Runoff | 3 | 3 | -4 |
| S-water Management | 7 | 9 | -4 |

| Documents | City Hall | Library | Date |
|---|---|---|---|
| After the Storm | | | |
| Stormwater Pollution | | | |
| Cost Of LID | | | |
| Effectiveness of LID | | | |
| Urban Runoff | | | |
| S-water Management | | | |

-10

EPA
United States Environmental Protection Agency

EPA 841-F-03-003

# Protecting Water Quality *from* URBAN RUNOFF

*Clean Water Is Everybody's Business*

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

***Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?***

## How Urbanized Areas Affect Water Quality

### Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

### Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and faili…
- Road salts
- Heavy metals from roof shingles, …motor vehicles, and other sources
- …nal pollution from dark …rious surfaces such as streets …ooftops

…pollutants can harm fish and …populations, kill native …, foul drinking water …and make recreational areas …nd unpleasant.

RBC RAINBOW CITY ALABAMA

STORMWATER MANAGEMENT AND YOUR COMMUNITY

IT'S ABOUT MORE THAN WATER QUALITY. IT'S ABOUT OUALITY

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Etowah County
Alabama

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STORMWATER MANAGEMENT AND YOUR COMMUNITY

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EPA 841-F-03-003

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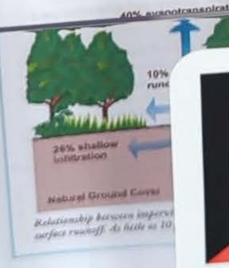
- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts

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ALABAMA

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3700 Rainbow Drive
Rainbow City
Etowah County
Alabama

WHEN IT RAINS IT DRAINS

# After the Storm

**For more information contact:**

**or visit**
**www.epa.gov/npdes/stormwater**
**www.epa.gov/nps**

EPA United States Environmental Protection Agency

EPA 833-B-03-002

January 2003

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THE YEAR OF CLEAN WATER
Celebration & Recommitment

## A Citizen's Guide to Understanding Stormwater

WHEN IT RAINS IT DRAINS

# What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

# Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

# The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.

- Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

# Stormwater Pollution Solutions

## Residential

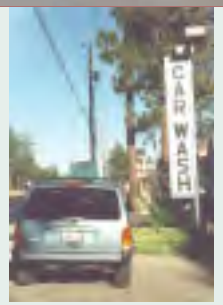
*Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.*

### Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscaping projects.

### Auto care




Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

### Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.

- Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- Don't dispose of household hazardous waste in sinks or toilets.

### Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

*Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.*

## Residential landscaping

**Permeable Pavement**—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

**Rain Barrels**—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.

**Rain Gardens and Grassy Swales**—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

**Vegetated Filter Strips**—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

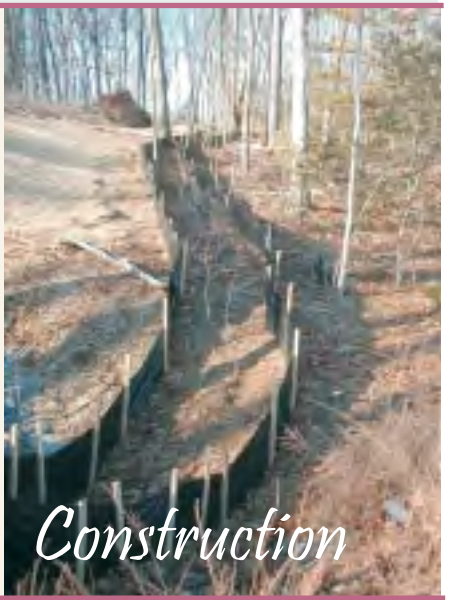
## Commercial

Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- Divert stormwater away from disturbed or exposed areas of the construction site.
- Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.

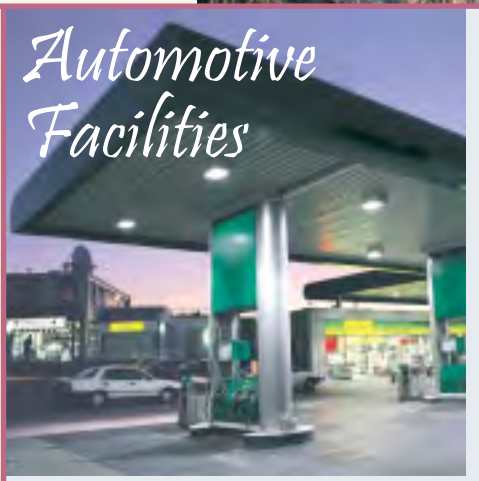


## Construction

## Agriculture

Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- Keep livestock away from streambanks and provide them a water source away from waterbodies.
- Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- Vegetate riparian areas along waterways.
- Rotate animal grazing to prevent soil erosion in fields.
- Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.



## Automotive Facilities

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- Clean up spills immediately and properly dispose of cleanup materials.
- Provide cover over fueling stations and design or retrofit facilities for spill containment.
- Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- Install and maintain oil/water separators.

## Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- Conduct preharvest planning to prevent erosion and lower costs.
- Use logging methods and equipment that minimize soil disturbance.
- Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- Construct stream crossings so that they minimize erosion and physical changes to streams.
- Expedite revegetation of cleared areas.

**City of Rainbow City**
August 27, 2024 ·

August is National Water Quality Month. The average person uses approximately 80 gallons of water or more per day. Protecting our water resources and educating ourselves about water quality is an important goal of National Water Quality Month.

NATIONALWATERQUALITYMONTH.ORG

**National Water Quality Month - August**

National Water Quality Month encourages businesses, organizations, and everyday people to l...

1

Like Comment Send Share

**City of Rainbow City**
August 31, 2024 ·

Today is the last day of National Water Quality Awareness Month!

On average, each person uses about 80 gallons of water per day for bathing, cleaning, household activities, and drinking. However, individual water usage can vary significantly based on location, population density, and available treatment infrastructure. Protecting our water resources and promoting public awareness of water quality are crucial goals of #NWQAM.

Stay water aware: https://nationalwaterqualitymonth.org

#CityofPromise #ComeGrowWithUs #EtowahCounty #rainbowcityalabama #RBC #waterquality #WaterQualityMonth #WaterQualityMatters #waterqualitymanagement— in Rainbow City.

NATIONALWATERQUALITYMONTH.ORG

**National Water Quality Month - August**

National Water Quality Month encourages businesses, organizations, and everyday people to l...

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## What Is Stormwater Management ?

Stormwater management involves management of both water quantity and water quality for runoff in urban and suburban areas. Your community is probably already doing a number of things to manage storm-water. If nothing else, it has most likely designed plans and constructed systems to attempt to manage the problems caused by too much runoff or flooding. It may also already have in place education or ordinances for control of some stormwater pollutants such as sediment from construction sites or dumping of oil and other wastes down storm drains.

## Why Is Stormwater Management Receiving So Much Attention These Days?

From a national perspective, after runoff from agriculture, the impacts of stormwater runoff are the most common reason for impairment of water quality in our streams, rivers, lakes and estuaries. The writers of the Clean Water Act and the U.S. EPA recognized the significant problems posed by storm water runoff some time ago. Metropolitan areas with a population over 100,000 (Phase I cities) have been required to have stormwater permits and management programs since 1990.

From an Alabama perspective, county by county assessments of water related environmental problems conducted by local citizens identified increased flooding downstream of urban and suburban areas as one of, if not the most frequent and serious environmental concern.

As a result of the seriousness and magnitude of storm-water impacts, regulations are scheduled to go into effect in 2003 to address stormwater management in metropolitan areas with a population of 50,000 or more, or in other areas where stormwater impacts exist or are likely to exist. This brochure is prepared to assist these communities (Phase II stormwater communities). It also may serve as a tool for communities that recognize that proactive stormwater management can help to avoid problems and expenses related to storm-water and thus should be considered even if they are not required to obtain a permit.

***Front panel photo shows poor housekeeping (storage of materials in riparian zone too near stream) and disturbances in riparian zone on opposite bank of stream.***

## How Can I Determine If My Community Will Have To Obtain A Permit And Develop A Stormwater Management Program?

Some Phase II stormwater communities were listed in the legislation that created the stormwater program. Some were designated because the communities were in an urbanized area as identified by the 1990 census. Other communities may be listed for a variety of reasons including projected future growth, existing water quality impairments, or because they have special water quality concerns or problems (for example ongoing problems such as NPDES violations at a municipal wastewater treatment facility).

### Phase II Communities Based Upon the 1990 Census

| | |
|---|---|
| Anniston | Florence |
| Auburn—Opelika | Gadsden |
| Birmingham | Huntsville |
| Columbus, GA—AL | Mobile |
| Decatur | Montgomery |
| Dothan | Tuscaloosa |

Note: Five of these cities/areas, Birmingham, Montgomery, Huntsville, Mobile and Shelby County are covered by a Phase I stormwater permit.

### Potentially Designated Cities

Jacksonville and Selma

Population increases from the 2000 census could cause additional areas to be designated.

## What Else Might Cause My Community To Be Designated A Phase II Community?

The Alabama Department of Environmental Management is required to develop criteria for determining which additional areas with stormwater systems and populations of 10,000 or more or population densities of 1000 or more per square mile will be required to obtain permits.The U.S. EPA has suggested criteria that will likely be included in consideration of whether these smaller communities will be required to obtain a Phase II Stormwater permit. In cases where the community -

- Has a sensitive waters discharge
- Is a high growth area
- Is near an urban area
- Has discharges exceeding WQ standard
- Is a significant polluter
- Has poor WQ control programs

it is likely that a Phase II Stormwater permit will be required. The more of these conditions that are true, the more likely a community is to be listed.

A community that may be a candidate for requiring a permit could conceivably avoid being listed if only one or two of the above conditions exist and the community has in place programs or ordinances which are capable of successfully addressing the concerns. Also, by being proactive on stormwater management, communities might avoid being designated as a result of citizen requests for a community to be designated.

### Phase II Communities Designated By Being Listed in the Legislation

| | |
|---|---|
| Anniston | Flint City |
| Attalla | Florence |
| Auburn | Gadsden |
| Autauga County | Glencoe |
| Blue Mountain | Grimes |
| Calhoun County | Hartselle |
| Colbert County | Hobson City |
| Dale County | Hokes Bluff |
| Decatur | Houston County |
| Dothan | Kinsey |
| Etowah County | Lauderdale Co. |
| Lee County | Prattville |
| Madison County | Priceville |
| Midland City | Rainbow City |
| Montgomery County | Russell County |
| Morgan County | Sheffield |
| Muscle Shoals | Southside |
| Napier Field | Sylvan Springs |
| Northport | Talladega County |
| Opelika | Tuscaloosa |
| Oxford | Tuscaloosa Co. |
| Phenix City | Tuscumbia |
| | Weaver |

## When Does A Designated Phase II City Have To Act and What Will It Have To Do To Meet Permit Requirements?

Automatically designated communities have to submit a permit application by March 10th, 2003. Other designated communities have to submit a permit application within 180 days after notification. (There may be some slack in this schedule but these dates and time frames are what your community could be held to as things stand at the present time). If the state issues a general permit and your community wishes to fall under the general permit an NOI or "Notice Of Intent" must be filed. If there is no general permit or if your community does not want to fall under the general permit it will have to submit an application for an individual permit.

The basic requirements of the Phase II permit should be considered to be the "minimum" requirements. Your community may wish to do more to prevent stormwater impacts than the permit requires. It may also decide to do more than the permit requires to monitor water quality improvements due to the storm-water program.

### MINIMUM CONTROLS

1. Public Education and Outreach
2. Public Involvement/ Participation
3. Illicit Discharge Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Mgt.
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Note: In addition to these minimum control measures there may also be other require-ments as established in the NPDES general or individual permit developed consistent with the provisions of §§ 122.41 through 122.49, as appropriate.

Also, your community does not have to and should not wait until the application deadline to begin stormwater management activities. Delays may only add to future problems that might have been avoided had stormwater management activities started earlier. Starting now may allow some activities to be conducted in a more organized and cost efficient manner.

## What Will Be Required and What Are Some Ways to Satisfy the Requirements?

### Public Education and Outreach:

- Distribute educational materials
- Inform citizens of steps they can take
- Target groups of stakeholders (schools, churches, civic clubs, environmental groups and other appropriate local groups) that your community can partner with

### Public Involvement:

- Note and follow public notice requirements
- Involve citizen conservation or environmental groups
- Target key groups with education and encouragement to obtain diverse stakeholder involvement
- Establish an advisory group representing a cross-section of stakeholders and groups and individuals who bring special talents to the process

### Illicit Discharges:

- Prepare stormwater system map showing all outfalls and known "hotspots"
- Enact an appropriate ordinance with enforcement provisions
- Implement a detection and elimination plan
- Implement an anti-dumping program
- Include illicit discharges and anti-dumping information in education campaign

### Construction Sites:

- Develop program for controlling runoff from construction sites larger than one acre
- Implement construction site portion of the stormwater ordinance
- Conduct reviews of construction plans and inspect construction sites
- Institute a permitting program with BMPs (this might be requirements added to building permits via the stormwater ordinance)
- Implement program to receive and address complaints about building sites
- Revise subdivision regulations as needed to address flow control and erosion and sediment control

### Post-Construction BMPs:

- Implement maintenance/inspection program
- Require post-construction BMP plan from the developer
- Require maintenance of BMPs
- Make preference for non-structural BMPs known to developers and if possible create incentives for non-structural BMPs
- Post-development conditions (flow, water temperature and so forth) should be as close to predevelopment conditions as possible (this should be an element of the stormwater ordinance).

### Municipal Operations:

- Implement plans for eliminating preventable pollution from municipal operations
- Provide employee training needed to accomplish the pollution reduction
- Implement maintenance program
- Implement program to reduce street and highway pollution
- Implement waste disposal program
- Implement flood management program

## OTHER IMPORTANT STORMWATER MANAGEMENT CONSIDERATIONS

- Prevention measures or techniques, such as using urban design to prevent stormwater impacts, are typically much more effective and less costly than applying BMPs
- Although monitoring is not specifically listed as a requirement for Phase II permit holders, some type of monitoring or accounting for water quality and water quality trends will undoubtedly be needed
- Non-structural best management practices (BMPs) are generally preferred due to lower cost and lower maintenance requirements
- Many smaller communities adjoining larger towns and cities are going to have a very hard time carrying out the requirements of a stormwater permit and need to seek a partnership with the larger community in the form of a regional stormwater management authority

## RESOURCES

**Alabama NEMO Project:** This project provides education and technical assistance to communities on planning, design and other measures for reducing the stormwater impacts related to urban development while addressing related quality of life issues. To arrange an introductory presentation on the NEMO concepts contact Gavin Adams at 334-394-4353 or call the ADEM Ombudsman Office at 1-800-533-ADEM.

**Center for Watershed Protection:** The Center for Watershed Protection has excellent technical publications on urban watershed management. Some examples of such publications include:

- Rapid Watershed Planning Handbook
- National Pollutant Removal Performance Database—2000, 2nd Edition
- Better Site Design
- Eight Tools of Watershed Protection
- Watershed Protection Techniques (Volume 1 # 2 is available on the EPA Website)

For information visit the CWP website at cwp.org

**U.S. EPA Stormwater Toolbox Website:**
http://www.epa.gov/owmitnet/sw/toolbox/chouse/htm

**Preliminary Data Summary of Urban Stormwater Best Management Practices**, EPA –821-R-99-012. http://www.epa.gov/OST/stormwater/

**Alabama Water Watch:** The Alabama Water Watch Program is uniquely qualified to form partnerships with local communities and stormwater management authorities to promote education and public involvement in water quality monitoring. Contact the AWW program office at 1-888-844-4785 or visit the AWW webpage for information.

**ADEM Stormwater Contact:** Dennis Harrison, phone 334-271-7801 or e-mail ddh@adem.state.al.us

*This brochure was produced by the Center for Environmental Research and Service (Troy State University, Troy, AL 36082, Phone 334-670-3624) with funding from the U.S. EPA through a grant from the Alabama Department of Environmental Management.*

# STORMWATER MANAGEMENT AND YOUR COMMUNITY

## IT'S ABOUT MORE THAN WATER QUALITY: IT'S ABOUT QUALITY OF LIFE

EPA
United States
Environmental Protection
Agency

EPA 841-F-03-003

# Protecting Water Quality *from* URBAN RUNOFF

## Clean Water Is Everybody's Business

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

***Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?***

## How Urbanized Areas Affect Water Quality

### Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

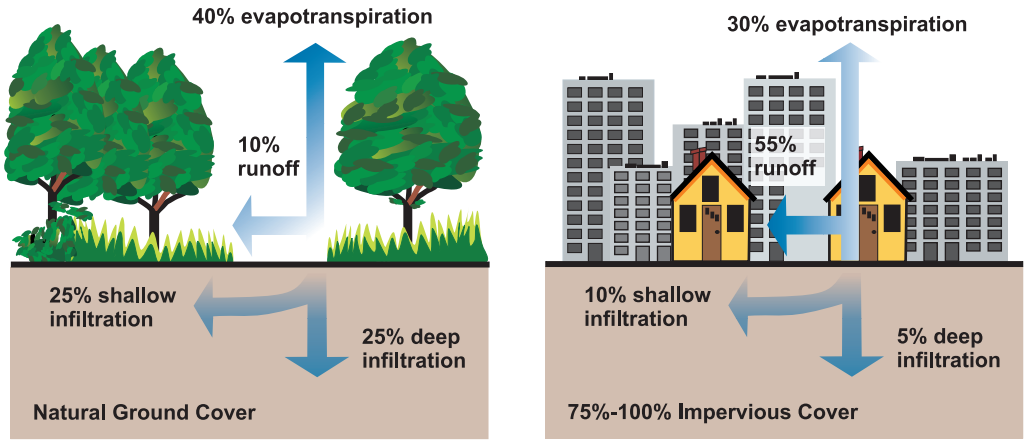
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

### Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts
- Heavy metals from roof shingles, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.




*Relationship between impervious cover and surface runoff. Impervious cover in a watershed results in increased surface ruunoff. As little as 10 percent impervious cover in a watershed can result in stream degradation.*

## Managing Urban Runoff

### What Homeowners Can Do

To decrease polluted runoff from paved surfaces, households can develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns. Homeowners can use fertilizers sparingly and sweep driveways, sidewalks, and roads instead of using a hose. Instead of disposing of yard waste, they can use the materials to start a compost pile. And homeowners can learn to use Integrated Pest Management (IPM) to reduce dependence on harmful pesticides.

In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

### Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

### Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target "hot spots" of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety, and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved "don't dump" messages.

## Related Publications

**Turn Your Home into a Stormwater Pollution Solution!**
www.epa.gov/nps

This web site links to an EPA homeowner's guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

**National Management Measures to Control Nonpoint Source Pollution from Urban Areas**
www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

**Onsite Wastewater Treatment System Resources**
www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

**Low Impact Development Center**
www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

**Stormwater Manager's Resource Center (SMRC)**
www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

**Strategies: Community Responses to Runoff Pollution**
www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

## For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps

February 2003

# **Stormwater** and the **Construction Industry**

## Protect Natural Features

**Bad** **Good**

- Minimize clearing.
- Minimize the amount of exposed soil.
- Identify and protect areas where existing vegetation, such as trees, will not be disturbed by construction activity.
- Protect streams, stream buffers, wild woodlands, wetlands, or other sensitive areas from any disturbance or construction activity by fencing or otherwise clearly marking these areas.

## Construction Phasing

**Bad** **Good**

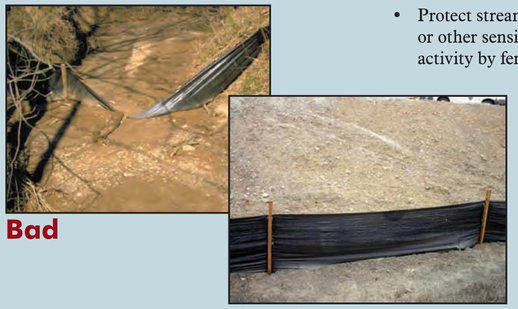
- Sequence construction activities so that the soil is not exposed for long periods of time.
- Schedule or limit grading to small areas.
- Install key sediment control practices before site grading begins.
- Schedule site stabilization activities, such as landscaping, to be completed immediately after the land has been graded to its final contour.

## Vegetative Buffers

**Bad** **Good**

- Protect and install vegetative buffers along waterbodies to slow and filter stormwater runoff.
- Maintain buffers by mowing or replanting periodically to ensure their effectiveness.

## Silt Fencing



**Bad** **Good**

- Inspect and maintain silt fences after each rainstorm.
- Make sure the bottom of the silt fence is buried in the ground.
- Securely attach the material to the stakes.
- Don't place silt fences in the middle of a waterway or use them as a check dam.
- Make sure stormwater is not flowing around the silt fence.

# Maintain your BMPs!

*www.epa.gov/npdes/menuofbmps*

## Site Stabilization

**Bad** **Good**

- Vegetate, mulch, or otherwise stabilize all exposed areas as soon as land alterations have been completed.

## Construction Entrances

**Bad** **Good**

- Remove mud and dirt from the tires of construction vehicles before they enter a paved roadway.
- Properly size entrance BMPs for all anticipated vehicles.
- Make sure that the construction entrance does not become buried in soil.

## Slopes

**Bad** **Good**

- Rough grade or terrace slopes.
- Break up long slopes with sediment barriers, or under drain, or divert stormwater away from slopes.

## Dirt Stockpiles

**Bad** **Good**

- Cover or seed all dirt stockpiles.

## Storm Drain Inlet Protection

**Bad** **Good**

- Use rock or other appropriate material to cover the storm drain inlet to filter out trash and debris.
- Make sure the rock size is appropriate (usually 1 to 2 inches in diameter).
- If you use inlet filters, maintain them regularly.

# Costs of Low Impact Development

## LID Saves Money and Protects Your Community's Resources

LID Barrier Busters Fact Sheet Series

## Are Low Impact Development (LID) Practices More Economical Than Conventional Practices?

In many cases, the answer is yes. LID typically includes a variety of low-cost elements such as bioswales that retain rain water and encourage it to soak into the ground rather than allowing it to run off into storm drains where it would otherwise contribute to flooding and pollution problems. LID projects typically include smaller overall development footprints, reduce the amount of runoff generated and increase the amount of natural areas on a site, thereby reducing costs when compared to traditional stormwater management and flood control.

**FAQ**

Isn't LID too costly?

***Barrier Busted!***

Communities recognize that using LID can save money.

EPA's LID Barrier Busters fact sheet series...helping to overcome misperceptions that can block adoption of LID in your community

### Example Economic Benefits of LID Elements

- Adding roadside bioswales, making roads narrower and designing smaller or porous parking lots with on-site runoff retention **saves money by reducing the amount of pavement, curbs and gutters needed**.
- Installing green roofs, disconnecting roof downspouts from impervious surfaces (driveways or streets), and incorporating bioretention areas to capture on-site runoff **saves money by eliminating the need for costly runoff detention basins and pipe delivery systems**.
- Designing more compact residential lots **saves money by reducing site grading and building preparation costs, and can increase the number of lots available for sale**.
- Preserving natural features in the neighborhood **can increase the value and sale price of residential lots**.
- Using existing trees and vegetation **saves money by reducing landscaping costs and decreasing stormwater volume**.

This 4-acre grassed overflow parking lot at a mall in West Hartford, CT cost $500,000—half the cost of a traditional parking lot.

### Cost-Savings Nationwide: LID Case Studies

A U.S. Environmental Protection Agency study of 17 LID case studies around the country found that, in the majority of cases, total capital cost savings ranged from 15 to 80 percent when LID methods were used. (For details, see **www.epa.gov/nps/lid/costs07**.)

- **Sherwood, Arkansas:** Gap Creek subdivision included 23.5 acres of open, buffered natural drainage areas and traffic-calming circles that allowed the developer to reduce street widths. Results? The lots sold for $3,000 more and cost $4,800 less to develop than comparable conventional lots. The LID design required less land for stormwater control features, which allowed the developer to create and sell 17 additional lots.

Street drainage flows into this roadside bioswale in Lenexa, Kansas. The city found that on-site detention with LID practices cost 25 percent less than traditional stormwater management retrofits.

- **Seattle, Washington:** Seattle's 2nd Avenue Street Edge Alternative project redesigned an entire block with LID techniques such as bioswales in the rights-of-way. Results? Reducing street widths and sidewalks lowered paving costs by 49 percent. Overall, incorporating LID techniques cost $651,548—a savings of $217,255 compared to a conventional retrofit of the block, which would have cost an estimated $868,803.
- **Naperville, Illinois**: Developers at the 55-acre Tellabs corporate campus preserved much of the site's natural drainage features and topography, reducing grading and earthwork costs. They used bioswales and other infiltration techniques in parking lots to manage stormwater. They maximized the amount of natural areas, eliminating the need for irrigation systems and lowering maintenance costs when compared to turf grass. Results? As seen in the table below, total LID project costs were $461,510 less than a conventional design would have been.

### Sample Costs: Comparing Conventional Stormwater Controls with LID Techniques in a Corporate Development (Tellabs) in Naperville, Illinois

| Construction Item | Cost of Conventional Development | Cost When Using LID Practices | Dollars Saved with LID |
|---|---|---|---|
| Site preparation | $2,178,500 | $1,966,000 | $212,500 |
| Stormwater management | $480,910 | $418,000 | $62,910 |
| Landscape development | $502,750 | $316,650 | $186,100 |
| **Total** | **$3,162,160** | **$2,700,650** | **$461,510** |

## LID Provides Added Value for Communities

Besides reducing the capital and other actual costs, using LID practices provides numerous additional economic benefits, some of which are difficult to quantify, including:

- Improved aesthetics for communities
- Expanded recreational opportunities
- Increased property values due to the desirability of the lots and their proximity to open space
- Increased marketing potential and faster sales for residential and commercial properties
- Reduced stream channel damage and pollutant loadings in downstream waters
- Reduced drinking water treatment costs
- Reduced costs associated with combined sewer overflows, where applicable

LID offers great flexibility for developing and re-developing properties. A wide range of LID technology choices are available to match the needs of individual sites and the desires of the parties developing or buying the property.

A roadside swale captures and retains runoff in Seattle, Washington. The city saves money with LID by avoiding costly stormwater infrastructure and reducing paving costs.

This bioretention pond in Wilsonville, Oregon collects runoff from the rooftops, sidewalks and yards. The pond offers valuable aesthetic and wildlife habitat benefits while also reducing stormwater control costs.

Philadelphia has been expanding its use of LID by implementing new policies and demonstration projects, such as this roadside bioswale that treats runoff from an adjacent parking lot. The city's use of LID has reduced stormwater runoff volume, saving approximately $170 million in combined sewer overflow costs since 2006.

United States Environmental Protection Agency • Office of Wetlands, Oceans, and Watersheds
1200 Pennsylvania Avenue, NW, Washington, DC 20460
EPA 841-N-12-003C • March 2012

# Effectiveness of Low Impact Development

## Proven LID Technologies Can Work for Your Community

LID Barrier Busters Fact Sheet Series

**Low Impact Development (LID)** includes a variety of practices such as bioswales and porous paving that mimic natural processes by retaining rain water and allowing it to soak into the ground. Studies have shown that LID practices offer significant environmental benefits over conventional stormwater management practices (where runoff is shunted quickly into detention basins or directly to streams). By holding water onsite, LID practices reduce the amount of runoff generated during a rainstorm, alleviating downstream erosion and stream habitat damage. In addition, LID practices filter out pollutants such as oil, bacteria, sediment and nutrients as the collected water seeps through vegetation and soil. The water that eventually reaches groundwater and surface water is much cleaner.

This fact sheet highlights the environmental benefits of several LID projects across the country. Separate fact sheets in EPA's *LID Barrier Busters* series focus on cost and aesthetic benefits achieved by LID.

### FAQ

Isn't LID less effective than conventional stormwater management?

***Barrier Busted!***

LID successfully controls polluted runoff across the nation.

EPA's LID Barrier Busters fact sheet series… helping to overcome misperceptions that can block adoption of LID in your community

## Case Studies: LID Environmental Successes Span the United States

### *Seattle, Washington*

Seattle launched its Street Edge Alternatives (SEA Street) neighborhood demonstration project in 2000. The city incorporated LID practices to improve stormwater management on 600 linear feet of street (comprising a drainage area of 2.3 acres). The project reduced impervious surfaces by 11 percent when compared to a traditional street, provided surface detention in roadside swales, and added more than 1,200 new trees and shrubs.

**Results?** The volume of stormwater leaving the street declined by 99 percent. LID practices absorbed all dry season flow and 98 percent of wet season flow.

In 2003 Seattle implemented the Northwest 110th Cascade project, replacing 1,400 linear feet of existing ditches and culverts with a series of stair-stepped natural pools that slow damaging stormwater flows, encourage infiltration and trap pollutants from a 28-acre basin.

**Results?** The LID practices significantly reduce the amount of runoff that reaches a nearby creek. Discharge volumes declined between 48 and 74 percent. In fact, the basin released water into the creek in only 49 of 235 measurable storms. Monitoring showed that the LID practices also filtered out a lot of the pollution carried in the stormwater (Table 1).

For more information about the Seattle projects (including virtual tours), go to **www.seattle.gov** and type "natural drainage" into the search box.

Table 1. NW 110th Cascade Project: Pollutant Removal (2004–2006)

| Pollutant | Pollutant Mass Loading Reductions[1] |
|---|---|
| Total suspended solids | 84% |
| Total nitrogen | 63% |
| Total phosphorus | 63% |
| Total copper | 83% |
| Dissolved copper | 67% |
| Total zinc | 76% |
| Dissolved zinc | 55% |
| Total lead | 90% |
| Motor oil | 92% |

[1] As compared to traditional street drainage

*Source: Horner and Chapman, 2007. NW 110th Street Natural Drainage System Performance Monitoring (www.seattle.gov)*

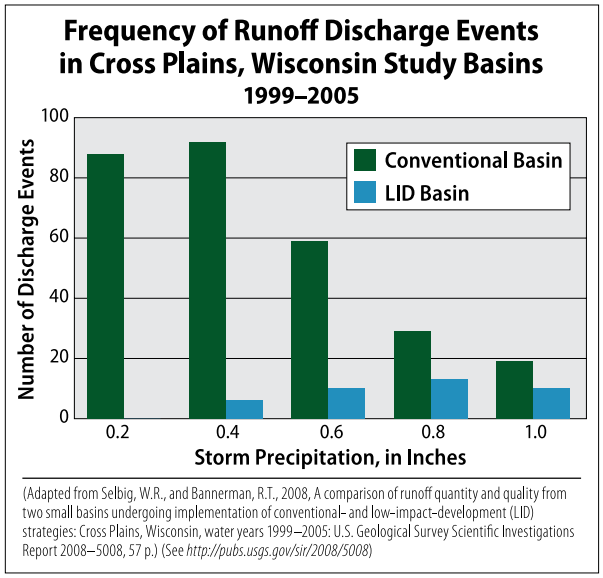
Seattle's SEA Street project (top of photo) uses numerous LID practices including rain gardens, vegetated swales and a narrow, winding street. A typical Seattle street (bottom of photo), by comparison, has a broad, wide street and flat yards with few natural depressions to capture and store stormwater runoff.

A stair-stepped pool slows runoff in Seattle's NW 110th Cascade project.

## *Cross Plains, Wisconsin*

Between 1999 and 2005, the U.S. Geological Survey monitored water quality from two similar developments—one fitted with conventional drainage (wide streets, curbs, gutters and storm sewers leading to a detention basin) and the other with LID practices (grass swales, small detention areas followed by a large infiltration basin, infiltration trenches and narrow street widths).

**Results?** The LID basin reduced the frequency of discharge, runoff volume and peak flows for most storms, which also greatly reduced pollutant loads. Data show that for storms with precipitation depths of 0.4 inches or less, the LID basin discharged runoff only six times, compared to 180 times in the conventional basin (see chart). Overall, the LID basin released a total discharge volume roughly one-tenth that of the conventional basin.




(Adapted from Selbig, W.R., and Bannerman, R.T., 2008, A comparison of runoff quantity and quality from two small basins undergoing implementation of conventional- and low-impact-development (LID) strategies: Cross Plains, Wisconsin, water years 1999–2005: U.S. Geological Survey Scientific Investigations Report 2008–5008, 57 p.) (See *http://pubs.usgs.gov/sir/2008/5008*)

## *Philadelphia, Pennsylvania*

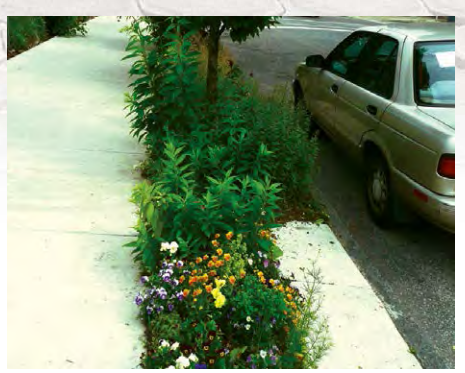
The city's sewer collection system includes 40 percent municipal separate storm sewer system (a pipe that carries stormwater runoff and empties into a local waterway) and 60 percent combined sewer (a pipe that carries both raw sewage and runoff to a treatment facility). In times of heavy rain, the runoff introduced into the combined sewer can overwhelm the collection system and lead to discharge of untreated sewage directly into surface waters. To reduce the amount of stormwater runoff reaching the combined sewer, Philadelphia is implementing LID practices such as stormwater planters, stormwater bump-outs, stormwater wetlands, rain gardens and porous paving, among others (see **www.phillywatersheds.org/BigGreenMap** for project locations).

**Results?** Over a two-year period the city replaced an estimated two square miles of impervious cover (e.g., parking lots, roads) with LID practices, reducing runoff during this time by a half billion gallons. Storing an equivalent amount of combined sewer overflow would have cost the city an estimated $340 million. One project, the Saylor Grove stormwater wetland, was designed by the Philadelphia Water Department to capture and filter the first 0.7 inch of every rainfall event falling over a 156-acre urban watershed—treating 70 million gallons of runoff and preventing approximately 13 tons of sediment from reaching the local creek each year. For a comprehensive look at benefits gained through Philadelphia's LID approach, see **http://water.epa.gov/infrastructure/greeninfrastructure/upload/gi_philadelphia_bottomline.pdf**.

## Need More Information to Share with Others?

The University of New Hampshire's Stormwater Center offers online presentations about the effectiveness of various types of LID practices (**www.unh.edu/unhsc/presentations**). For links to more LID resources, see **www.epa.gov/nps/lid**.

United States Environmental Protection Agency • Office of Wetlands, Oceans, and Watersheds
1200 Pennsylvania Avenue, NW, Washington, DC 20460
EPA 841-N-12-003E • October 2012



Stormwater planters in Philadelphia capture and filter stormwater runoff from an adjacent roadway.

A green roof on Philadelphia's Thin Flats housing units offers private green space for urban residents while also capturing rainwater.

Philadelphia constructed the one-acre Saylor Grove stormwater wetland in a park area to collect and treat 70 million gallons of urban stormwater generated in the storm sewershed each year.

An educational sign at Philadelphia's Saylor Grove stormwater wetland provides a diagram of the wetland and explains the benefits of natural stormwater management.

# CITY OF RAINBOW CITY LAND DISTURBANCE PERMIT APPLICATION

Name of Applicant: Cody OBryant

Address: 4660 Rainbow Drive

Name, address and telephone of property owner of record:

Cody OBryant
256 613 4127

Address of subject property: "Same"

Legal description and tax parcel numbers of subject property:

57196 73.003

Size of property being disturbed (acres): 1/4 acre for foundation

Name, address and telephone number of any engineers, contractors or subcontractors:

Statement of intent:

Foundation

List of state or federal permits:

Refer to Ordinance No. 490 Storm Water Management Regulation for explanation of required information.

**APPLICANTS CERTIFICATION**

"I certify, under penalty of law, that this document and any attachments were prepared under my direction or supervision and that I have personally examined, and I am familiar with, the information in this document and any such attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and civil penalty."

Applicant's Signature

11-19-2024
Date

# DOWNLOAD PDF FILES

| | |
|---|---|
| Rainbow City 2023-2024 Annual Report | DOWNLOAD |
| Illicit Discharge Detection & Elimination Complaint Form | DOWNLOAD |
| SWMPP 2025 | DOWNLOAD |
| Site Plan Review – SOP | DOWNLOAD |
| Construction Inspection – SOP | DOWNLOAD |
| Revisions to the Storm Water Management Program – 2014 | DOWNLOAD |
| Rainbow City Storm Water System Map – Doc 10 | DOWNLOAD |
| NPDES Permit ALR040056 | DOWNLOAD |
| Stormwater-Management-Program_ALR040056 | DOWNLOAD |
| Stormwater-H-1 | DOWNLOAD |
| Stormwater H-2-1 | DOWNLOAD |
| Stormwater H-2-2 | DOWNLOAD |
| Stormwater H-2-3 | DOWNLOAD |
| Stormwater H-2-4 | DOWNLOAD |
| Stormwater H-2-5 | DOWNLOAD |

**City of Rainbow City** is in **Rainbow City**.
July 11, 2024 ·

Want to know more about how your city manages stormwater pollution?

The Rainbow City Municipal Separate Storm Sewer System (MS4) Annual Report is available for review by the public here: https://bit.ly/RBCMS4

Please contact the Building Official at jgarmon@rbcalabama.com with any comments or questions about the report.

#CityofPromise #ComeGrowWithUs #rainbowcityalabama #etowahcounty

4

Like Comment Send Share

# Gadsden/Etowah MS4 Annual Advisory Meeting
# 9 JAN 2025

| NAME | CITY | EMAIL |
|---|---|---|
| KeenerMorrow | COG | KMorrow@cityofgadsden |
| ROBERT NAIL | ETOWAH CO | |
| BRIAN ROSENBAUM | ETOWAH CO. | BRosenbaum@ETOWAHCOUNTY.org |
| JASON ROSE | Southside | Jasonrose@cityofsouthside.com |
| Judd Rich | Southside | Juddrich@CityofSouthside.com |
| RYAN BAKER | GADSDEN | ryanbaker@cityofGADSDEN.com |
| Joel Gurnon | RDC | jgarnon@rbcalabama.com |
| Jason Nicholson | Attalla | jnicholson@attallacity.org |
| Scott Ryan | Hokes Bluff | scott.ryan@cityofhokesbluff.com |
| Todd Means | Glencoe | toddmeans@cityofglencoe.org |
| Christopher West | COG | CWest@CityofGadsden.com |
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SOIL & WATER CONSERVATION COMMITTEE

# Alabama Soil and Water Conservation Committee and Alabama Erosion and Sediment Control Partnership

## Certificate of Training
## Clear Water Alabama™ 2024, Field Site Visits
## Dothan Area
## September 26, 2024

**This certifies that**

Joel Garmon

**Participated in today's program that involved technical training in erosion and sediment control with 2.5 Contact hours = 0.25 CEUs, 2.5 PDHs or 2.5 PDUs**

**This certificate and the Field Day Program can be used to document professional development. The Field Day plus the 1 hour QCI session completes the mandatory 4-hour continuing education requirement for individuals possessing existing QCI certification from the Home Builders Association of AL**

Perry L Oakes

**Perry L. Oakes**
**Erosion and Sediment Control Program Coordinator**
**Alabama Soil and Water Conservation Committee**

**Signature of participant**

SOIL & WATER CONSERVATION COMMITTEE

# Alabama Soil and Water Conservation Committee and Alabama Erosion and Sediment Control Partnership

## Certificate of Training
## Alabama Stormwater Association Symposium and Clear Water Alabama™ 2024, Seminar
## Landmark Park, Dothan
## September 25, 2024

**This certifies that**

Joel Garmon

**Participated in today's program that involved technical training in erosion and sediment control with 6.5 Contact hours = 0.65 CEUs, 6.5 PDHs or 6.5 PDUs**

**This certificate and the Seminar Program can be used to document professional development.**

Perry L Oakes

**Perry L. Oakes**
**Erosion and Sediment Control Program Coordinator**
**Alabama Soil and Water Conservation Committee**

**Signature of participant**

**City of Rainbow City** is at **Rainbow City Hall**.
April 26, 2024 · Rainbow City ·

SPRING CLEAN UP DAY is MAY 4th ♻

This year's city wide "Spring Clean Up" day will be on Saturday, May 4th starting at 8am. We will meet up at City Hall Fire Station and work till 11am. Then a free lunch will be provided as a thank you for all of your hard work!

#CityOfPromise #ComeGrowWithUs #rainbowcityal #rainbowcityalabama

**City of Rainbow City** is at **Rainbow City Hall**.
April 29, 2024 · Rainbow City ·

SPRING CLEAN UP DAY is MAY 4th ♻

This year's city wide "Spring Clean Up" day will be on Saturday, May 4th starting at 8am. We will meet up at City Hall Fire Station and work till 11am. Then a free lunch will be provided as a thank you for all of your hard work!

#CityOfPromise #ComeGrowWithUs #rainbowcityal #rainbowcityalabama

**City of Rainbow City** is at **Rainbow City Hall**.
May 2, 2024 · Rainbow City ·

SPRING CLEAN UP DAY is THIS SATURDAY ♻

It only takes 3 hours in beautiful weather to help clean up our city!

This year's city wide "Spring Clean Up" day will be this Saturday, May 4th starting at 8am. We will meet up at City Hall Fire Station and work till 11am. Then a free lunch will be provided as a thank you for all of your hard work!

#CityOfPromise #ComeGrowWithUs #rainbowcityal #rainbowcityalabama

clean up Day
Saturday
May 4th
8:00 - 11:00
Behind the Fire Bay
DAKTRONICS
GALAXY
3700
RAINBOW CITY
MUNICIPAL BUILDING

# Rainbow City Cleanup Day

**Saturday, May 4th 2024**
**8AM - 11AM**

**Please come out and help clean up our city!!!**

May 3, 2024 3:44:06 PM
3700 Rainbow Drive
Rainbow City
Etowah County
Alabama

Rainbow City
Clean-up Day
Saturday - May 4, 2024
8:00am - 11:00am
256-390-8618
TRASH
May 3, 2024 3:42:50 PM

SCHOOL BUS

# Illicit Discharge Detection & Elimination Complaint Form

**1. Initial Complaint Info:**

a. Date:

b. Time:

c. Location:

d. Observation:

e. Contact:

i. Name:

ii. Address:

iii. Phone:

**2. Complaint Investigation:**

a. Investigated by:

b. Date:

c. Observation:

d. Pictures: (Yes / No)

e. Recommended action:

**3. Complaint Resolution:**

a. Action Taken:

b. Resolved: (Yes / No):

Renew Our Rivers
Agenda
September 11, 2024

**Welcome:**

**Date and Time:**

Cleanup Week September 23rd to September 27th
Mike – September 24th to September 26th
Sheriff's Department - September 24th to September 26th

**Location:**

Coosa Landing Marina – Monday to Wednesday
Behind Dollar General and Farmers Furniture

Southside Landing - Thursday

**Disposal of Trash:**

City of Gadsden:
Main Location - Amphitheater Parking Lot
Time Period – September 23th to September 28th
Hauling - All trash must be at the Amphitheater Parking Lot by 12:00 p.m. on September 28th

City of Southside Boat Dock – Thursday, September 26th

**Tires Disposal:**

Etowah County Engineering
All Tires must be at Amphitheater Parking Lot by 12:00 p.m. on September 28th

**Daily Start up locations:**

Monday – Setup Date
Tuesday - Wednesday at Coosa Landing Marina
Thursday – Rainbow Landing

**Equipment:**

Tent for boat dock – Academy Sports & EMA

KEEP ETOWAH BEAUTIFUL INC.
Affiliate Keep America Beautiful

# Keep Etowah Beautiful, Inc.

***Renew Our Rivers***

***Sign-in Sheet***

***Date:*** Sept. 11, 2024

| NAME | BUSINESS | EMAIL OR CONTACT NUMBER |
|---|---|---|
| Chip Lee | GWWSB | 256-485-2853 |
| Todd Means | Gluncon | 256-458-1506 |
| Wendell Clark | City of Gadsden | 256-563-1210 |
| Barry Yates | Etowah County Sheriff | 256-458-4939 |
| Judd Hoch | Southside | 256-613-9161 |
| Jason Tesse | Southside | 256-458-1011 |
| ROBERT NAIL | ETOWAH CO | |
| BRIAN ROSENBALM | ETOWAH CO | |
| Kathy Boggs Greer | WCKA - Board | |
| Anita Bedwell | Rainbow City | 254-312-3470 |
| [illegible] | [illegible] | [illegible] |
| Keener Morrow | City of Gadsden | 256.549.4524 O<br>256.770.1358 C |
| Mackenzie Brown | City of Southside | adminassistant@cityofsouthside.co<br>256-442-9775 ext. 7 |
| Gene Thifer | Neely Henry Lake | |
| Jason Dean | AT&T | |
| Ty Jackson | City of Gadsden | |
| Alex | City of Gadsden | |
| Keener | City of Gadsden | |
| | | |

## Thursday Cleanup

1 message

**Lisa Dover** <keb@etowahcounty.org> Wed, Sep 25, 2024 at 1:36 PM
To: Freshwater Todd <tmsek@bellsouth.net>, Jonathon Horton <jhorton@etowahcounty.org>, Dana McFarland <dnmcfarl@southernco.com>, Alex Griffith <agriffith@cityofgadsden.com>, Judd Rich <juddrich@cityofsouthside.com>, Todd Means <toddmeans@cityofglencoe.net>, Windham Nancy <nancywindham6@gmail.com>, Kay Payne <kay@rainbow-logistics.com>, Harris Tim <tim.harris@buffalorock.com>, Josh Clifton <jclifton@cityofgadsden.com>, Kathy Boggs <kathydboggs@gmail.com>, Mel Smith <msmith@etowahcounty.org>, Jason Dean <jd0398@att.com>, Cody Adams <adamsju@dot.state.al.us>, Scott Reeves <mayorgsreeves@cityofhokesbluff.com>, Dana Snyder <dsnyder@cityofsouthside.com>, Robert Nail <rnail@etowahcounty.org>, Williams Meleah <mwilliams@gadsdenwater.org>, Osbourne Cindy <cityclerk@cityofsouthside.com>, Ward Jeramy <Hikenut2@gmail.com>, Mary Lumpkin <bimarina@bucksisland.com>, "LOWMAN, JENNIFER H" <jl7726@att.com>, Gregory Harwood <gharwood@etowahcounty.org>, Mike Lankford <mlankford@gadsdenwater.org>, Jason Nicholson <jason.attalla@gmail.com>, Tena King <tking@cityofgadsden.com>, Gene Phifer <eugenephifer@att.net>, Lackey Rickey <rlackey423@bellsouth.net>, Wendell Clark <wclark@cityofgadsden.com>, Bedwell Anita <bedwell3@aol.com>, Spencer Williams <RSPEWILL@southernco.com>, Jackson Ty <tjackson@cityofgadsden.com>, Jessica Nail <jnail@etowahcounty.org>, Mark Owen <publicworks@cityofsouthside.com>, Mary Lumpkin <mary@bucksisland.com>, Hayes Work Brian <jbhayes@southernco.com>, Chip Lee <clee@gadsdenwater.org>, Jeff Harris <JeHarri@southernco.com>, "Clelland, Michael B." <MBCLELLA@southernco.com>, Heath Yates <hyates@etowahcounty.org>, Chad Hare <chare@gadsdenwater.org>, Heath Williamson <hwilliamson@cityofgadsden.com>, Smith Tony <tbsmith@southernco.com>, davetumlin <davetumlin@comcast.net>, Marc Golden <mgolden@cityofgadsden.com>, Craig Ford <cford@cityofgadsden.com>

Unfortunately due to weather Mike Clellan and I have canceled the Cleanup scheduled for tomorrow in the Rainbow City and Southside area. Even if the rain holds off the threat of strong wind will keep us off the water.

I am truly grateful for everyone this year and wished we could have been able to have the long week event but my first priority is safety for all our wonderful volunteers.

Once again THANK YOU for all the support and help not only for this year's event but for the last 25 Years!!

Lisa

--
Lisa Dover
Executive Director
Keep Etowah Beautiful, Inc.
keb@etowahcounty.org
Office: 256-549-0900
Fax: 256-549-1325

RAINBOW
LANDING

Oct 4, 2
30 WH

Oct 4, 2024 10:20:36 AM
947 Shoreline Circle
Gadsden
Etowah County
Alabama
PHOTOCARD.AI

# Noble Hill Landfill

DEPT# 6453
NOBLE HILL LANDFILL
PO BOX 11407
BIRMINGHAM, AL 35246-6453
256-960-7426

V-2579
01-480-215

# Invoice

| Date | Invoice # |
|---|---|
| 02/28/2025 | 5496 |
| | **Invoice Total** |
| | 2,773.88 |

| *Bill To:* |
|---|
| PURCHASE@RBCALAMBAMA.COM<br>CITY OF RAINBOW CITY<br>3700 RAINBOW DR<br>RAINBOW CITY AL 35906 |

| *Service Address:* |
|---|
| CITY OF RAINBOW CITY<br>3700 RAINBOW DR<br>RAINBOW CITY AL 35906 |

**Account No.** 01-20 7
**Due Date** 03/19/2025

For proper credit please return this portion.

| DATE | DESCRIPTION | | QUANTITY | AMOUNT | TOTAL |
|---|---|---|---|---|---|
| 02/03/25 | TONS-MSW | TKT# 0064413 | 1.96 | 29.550 | 57.92 |
| 02/03/25 | TONS-MSW | TKT# 0064428 | 2.11 | 29.550 | 62.35 |
| 02/03/25 | TONS-MSW | TKT# 0064484 | 0.91 | 29.550 | 26.89 |
| 02/03/25 | TONS-MSW | TKT# 0064494 | 2.75 | 29.550 | 81.26 |
| 02/04/25 | TONS-MSW | TKT# 0064546 | 2.76 | 29.550 | 81.56 |
| 02/04/25 | TONS-MSW | TKT# 0064556 | 1.33 | 29.550 | 39.30 |
| 02/04/25 | TONS-MSW | TKT# 0064606 | 1.46 | 29.550 | 43.14 |
| 02/05/25 | TONS-C & D | TKT# 0064656 | 1.13 | 29.550 | 33.39 |
| 02/10/25 | TONS-MSW | TKT# 0065002 | 1.45 | 29.550 | 42.85 |
| 02/10/25 | TONS-MSW | TKT# 0065003 | 4.02 | 29.550 | 118.79 |
| 02/10/25 | TONS-MSW | TKT# 0065029 | 1.73 | 29.550 | 51.12 |
| 02/10/25 | TONS-MSW | TKT# 0065045 | 2.02 | 29.550 | 59.69 |
| 02/10/25 | TONS-MSW | TKT# 0065095 | 2.04 | 29.550 | 60.28 |
| 02/10/25 | TONS-MSW | TKT# 0065103 | 2.32 | 29.550 | 68.56 |
| 02/11/25 | TONS-MSW | TKT# 0065178 | 1.29 | 29.550 | 38.12 |
| 02/11/25 | TONS-MSW | TKT# 0065179 | 2.32 | 29.550 | 68.56 |
| 02/11/25 | TONS-MSW | TKT# 0065231 | 1.17 | 29.550 | 34.57 |
| 02/12/25 | TONS-MSW | TKT# 0065297 | 2.47 | 29.550 | 72.99 |
| 02/12/25 | TONS-MSW | TKT# 0065330 | 1.52 | 29.550 | 44.92 |
| 02/12/25 | TONS-MSW | TKT# 0065337 | 4.01 | 29.550 | 118.50 |
| 02/13/25 | TONS-MSW | TKT# 0065390 | 2.57 | 29.550 | 75.94 |
| 02/13/25 | TONS-MSW | TKT# 0065430 | 5.60 | 29.550 | 165.48 |
| 02/17/25 | TONS-MSW | TKT# 0065634 | 2.94 | 29.550 | 86.88 |
| 02/17/25 | TONS-MSW | TKT# 0065707 | 2.90 | 29.550 | 85.70 |
| 02/18/25 | TONS-MSW | TKT# 0065786 | 4.39 | 29.550 | 129.72 |
| 02/18/25 | TONS-MSW | TKT# 0065795 | 1.59 | 29.550 | 46.98 |
| 02/18/25 | TONS-MSW | TKT# 0065850 | 3.16 | 29.550 | 93.38 |
| 02/18/25 | TONS-MSW | TKT# 0065867 | 2.56 | 29.550 | 75.65 |
| 02/19/25 | TONS-MSW | TKT# 0065915 | 4.07 | 29.550 | 120.27 |

| AGE | CURRENT | 31-60 DAYS | 61-90 DAYS | 91+ DAYS | Account Balance |
|---|---|---|---|---|---|
| AMOUNT | | | | | (CONT.) |

## NOBLE HILL LANDFILL

**Account No.:** 01-20 7
**Billing Name:** CITY OF RAINBOW CITY **Due Date:** 03/19/2025 **Invoice #:** 5496

# Invoice

**Noble Hill Landfill**

DEPT# 6453
NOBLE HILL LANDFILL
PO BOX 11407
BIRMINGHAM, AL 35246-6453
256-960-7426

| Date | Invoice # |
|---|---|
| 02/28/2025 | 5496 |
| | **Invoice Total** |
| | 2,773.88 |

| *Bill To:* |
|---|
| PURCHASE@RBCALAMBAMA.COM<br>CITY OF RAINBOW CITY<br>3700 RAINBOW DR<br>RAINBOW CITY AL 35906 |

| *Service Address:* |
|---|
| CITY OF RAINBOW CITY<br>3700 RAINBOW DR<br>RAINBOW CITY AL 35906 |

**Account No.** 01-20 7
**Due Date** 03/19/2025

For proper credit please return this portion.

| DATE | DESCRIPTION | | QUANTITY | AMOUNT | TOTAL |
|---|---|---|---|---|---|
| 02/19/25 | TONS-MSW | TKT# 0065922 | 3.55 | 29.550 | 104.90 |
| 02/20/25 | TONS-MSW | TKT# 0066052 | 4.47 | 29.550 | 132.09 |
| 02/20/25 | TONS-C & D | TKT# 0066108 | 1.03 | 29.550 | 30.44 |
| 02/21/25 | TONS-MSW | TKT# 0066179 | 2.86 | 29.550 | 84.51 |
| 02/24/25 | TONS-MSW | TKT# 0066339 | 2.37 | 29.550 | 70.03 |
| 02/24/25 | TONS-MSW | TKT# 0066351 | 1.61 | 29.550 | 47.58 |
| 02/25/25 | TONS-C & D | TKT# 0066425 | 1.63 | 29.550 | 48.17 |
| 02/25/25 | TONS-MSW | TKT# 0066467 | 1.85 | 29.550 | 54.67 |
| 02/25/25 | TONS-MSW | TKT# 0066484 | 1.69 | 29.550 | 49.94 |
| 02/26/25 | TONS-MSW | TKT# 0066538 | 0.83 | 29.550 | 24.53 |
| 02/26/25 | TONS-MSW | TKT# 0066594 | 1.43 | 29.550 | 42.26 |
| | *Invoice is Due Upon Receipt* | | | | |
| | Please remit payment to: | | | | |
| | Dept #6453 | | | | |
| | Noble Hill Landfill | | | | |
| | PO Box 11407 | | | | |
| | Birmingham, AL 35246-6453 | | | Total Invoice: | 2,773.88 |

| AGE | CURRENT | 31-60 DAYS | 61-90 DAYS | 91+ DAYS | Account Balance |
|---|---|---|---|---|---|
| AMOUNT | 2,773.88 | 0.00 | 0.00 | 0.00 | **2,773.88** |

## NOBLE HILL LANDFILL

**Account No.:** 01-20 7
**Billing Name:** CITY OF RAINBOW CITY **Due Date:** 03/19/2025 **Invoice #:** 5496

RE: Rainbow City tonnage

ML

McKenzie Lowe <mlowe@meridianwaste.com>
To John Jayroe

1855.41 — Total Tonnage for RBC April 1, 2025 - March 31, 2025

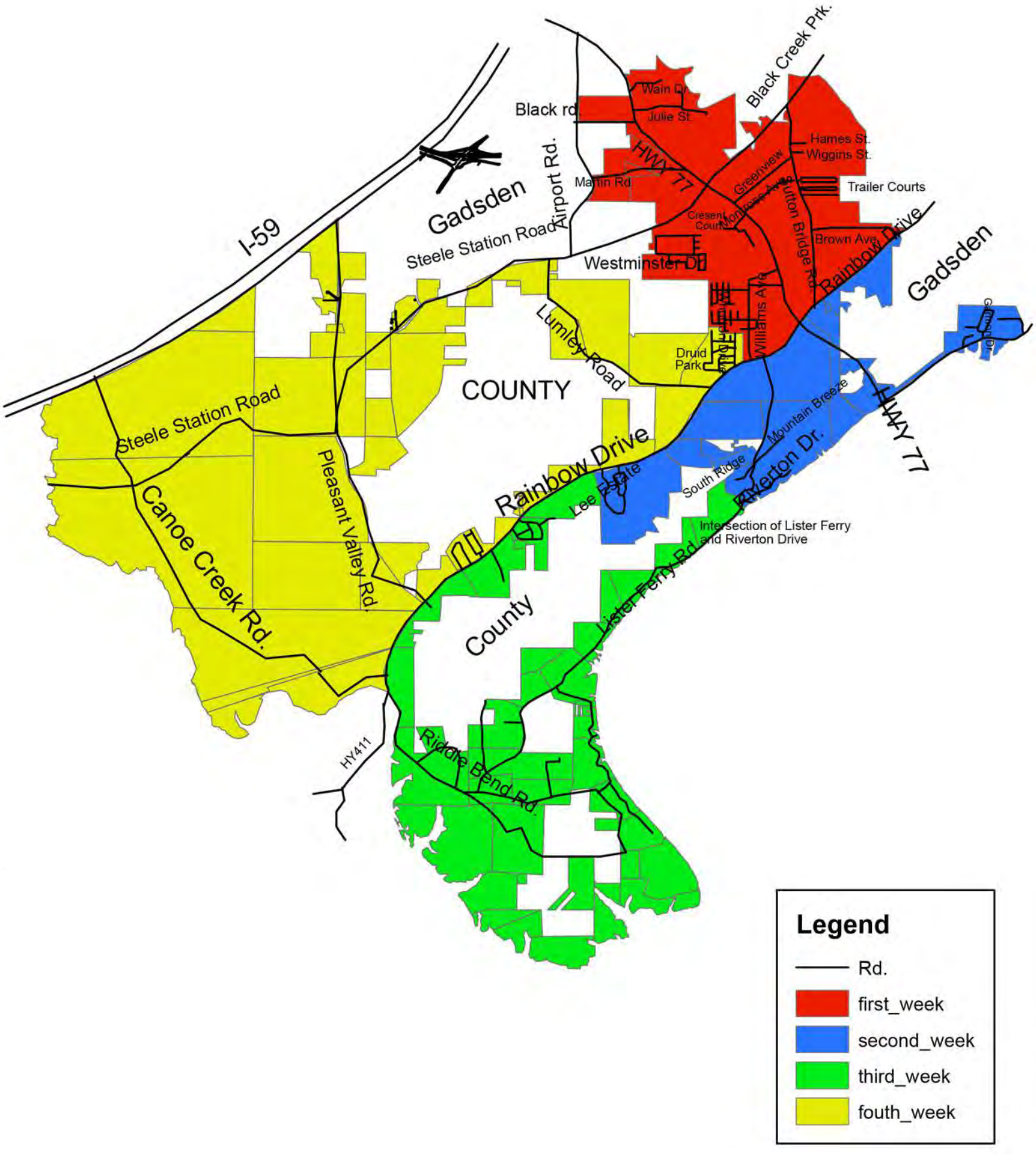
**From:** John Jayroe <jjayroe@rbcalabama.com>
**Sent:** Monday, April 14, 2025 9:46 AM
**To:** McKenzie Lowe <mlowe@meridianwaste.com>
**Subject:** Rainbow City tonnage

CAUTION: This email originated from outside of Meridian Waste. Do not click links or open attachments unless you recognize

Hey McKenzie!

Could I please get the total tonnage for City of Rainbow City from April 1, 2024 to March 31, 2025?

Thank you!


I-59
Gadsden
Steele Station Road
Airport Rd.
Black rd.
Wain Dr.
Julie St.
Black Creek Prk.
HWY 77
Martin Rd
Greenview
Hames St.
Wiggins St.
Trailer Courts
Cresent Court
Montrose Ave
Sutton Bridge Rd.
Brown Ave.
Rainbow Drive
Gadsden
Westminster Dr.
Lumley Road
Druid Park
Williams Ave
Gadsden
COUNTY
Steele Station Road
Canoe Creek Rd.
Pleasant Valley Rd.
Rainbow Drive
Lee Estate
South Ridge
Mountain Breeze
Riverton Dr.
HWY 77
Intersection of Lister Ferry Rd and Riverton Drive
County
Lister Ferry Rd.
HY411
Riddle Bend Rd.
Legend
Rd.
first_week
second_week
third_week
fouth_week

## Miscellaneous Receipt Transaction Listing

Code: RECYC RECYCLE REVENUE

| Txp ID | Loc # | Taxpayer Name | Name | Date Paid | Pmt Type | Receipt No. | Reference | Debit Account | Credit Account | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING | 04/05/2024 | Check | 2024-645 | 18880 | 01-110-206 | 01-340-326 | $1,520.00 |
| Notes : RECYCLE REVENUE - OLD CORRUG 16.0000 TON @ 95.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING | 04/19/2024 | Check | 2024-694 | 2049 | 01-110-206 | 01-340-326 | $1,169.75 |
| Notes : RECYCLE REVENUE - OLD CORRUG 11.1405 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING | 04/26/2024 | Check | 2024-741 | 2386 | 01-110-206 | 01-340-326 | $1,317.75 |
| Notes : RECYCLE REVENUE - CORRUG 12.5500 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING, IN | 05/17/2024 | Check | 2024-819 | 2818 | 01-110-206 | 01-340-326 | $1,228.50 |
| Notes : RECYCLE REVENUE - OLD CORRUG 11.7000 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING, IN | 06/07/2024 | Check | 2024-947 | 3370 | 01-110-206 | 01-340-326 | $1,668.45 |
| Notes : RECYCLE REVENUE - OLD CORRUG 15.8900 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING | 06/21/2024 | Check | 2024-1010 | 3766 | 01-110-206 | 01-340-326 | $1,803.90 |
| Notes : RECYCLE REVENUE - OLD CORRUG 17.1800 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Rev.-Recycle-Old Corrug | 07/11/2024 | Check | 2024-1145 | 4317 | 01-110-206 | 01-340-326 | $1,851.15 |
| Notes : RECYCLE REVENUE - old corrug - 17.6300 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling | 08/07/2024 | Check | 2024-1306 | 4962 | 01-110-206 | 01-340-326 | $1,397.55 |
| Notes : RECYCLE REVENUE - Old corrug 13.3100 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling Inc | 08/16/2024 | Check | 2024-1327 | 5202 | 01-110-206 | 01-340-326 | $1,581.30 |
| Notes : RECYCLE REVENUE | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling | 08/23/2024 | Check | 2024-1395 | 5443 | 01-110-206 | 01-340-326 | $1,456.35 |
| Notes : RECYCLE REVENUE - Old Corrug 13.8700 TON@ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling, Inc.-Au | 09/13/2024 | Check | 2024-1493 | 6025 | 01-110-206 | 01-340-326 | $493.29 |
| Notes : RECYCLE REVENUE - Old corrug - 4.6980 TON @ 105.00 | | | | | | | | | | |

Code: RECYC RECYCLE REVENUE

| Txp ID | Loc # | Taxpayer Name | Name | Date Paid | Pmt Type | Receipt No. | Reference | Debit Account | Credit Account | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling Inc. | 09/27/2024 | Check | 2024-1555 | 6384 | 01-110-206 | 01-340-326 | $1,779.75 |
| Notes : RECYCLE REVENUE - Old Currug 16.95 TON@ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycleing, Inc | 10/09/2024 | Check | 2024-1644 | 6760 | 01-110-206 | 01-340-326 | $1,718.59 |
| Notes : RECYCLE REVENUE - Old corrug 5.8275 @ 105.00 Old corrug 10.5400 @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling Inc. | 10/23/2024 | Check | 2024-1727 | 7185 | 01-110-206 | 01-340-326 | $1,703.10 |
| Notes : RECYCLE REVENUE - Old corrug - 16.2200 TON @ 105.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING, IN | 11/15/2024 | Check | 2024-1848 | 7612 | 01-110-206 | 01-340-326 | $1,260.55 |
| Notes : RECYCLE REVENUE-OLD CORRUG 14.8300 TON @ 85.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | WASTE RECYCLING | 11/27/2024 | Check | 2024-1888 | 8064 | 01-110-206 | 01-340-326 | $1,330.25 |
| Notes : RECYCLE REVENUE - OLD CORRUG 15.6500 TON @85.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling | 12/13/2024 | Check | 2024-1949 | 8280 | 01-110-206 | 01-340-326 | $1,210.50 |
| Notes : RECYCLE REVENUE - Old corrug - 16.1400 TON @ 75.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling Inc | 01/08/2025 | Check | 2024-2067 | 9096 | 01-110-206 | 01-340-326 | $1,276.50 |
| Notes : RECYCLE REVENUE - Old corrug 17.0200 TON @ 75.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycle | 01/17/2025 | Check | 2025-1048 | 9228 | 01-110-206 | 01-340-326 | $1,177.80 |
| Notes : RECYCLE REVENUE - Old corrug 18.1200 TON @ 65.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recyle Inc. | 01/29/2025 | Check | 2025-1069 | 9668 | 01-110-206 | 01-340-326 | $1,366.95 |
| Notes : RECYCLE REVENUE - Old Corrug - 21.0300 TON @ 65.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling Inc. | 02/18/2025 | Check | 2025-1223 | 10116 | 01-110-206 | 01-340-326 | $1,118.65 |
| Notes : RECYCLE REVENUE - Old Corrug 17.2100 TON@ 65.00 | | | | | | | | | | |
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling Inc | 03/07/2025 | Check | 2025-1341 | 10742 | 01-110-206 | 01-340-326 | $1,108.25 |
| Notes : RECYCLE REVENUE - Old corrug - 17.0500 TON @ 65.00 | | | | | | | | | | |

Code: RECYC RECYCLE REVENUE

| Txp ID | Loc # | Taxpayer Name | Name | Date Paid | Pmt Type | Receipt No. | Reference | Debit Account | Credit Account | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| 999999975 | 1 | RECYCLE REVENUE | Waste Recycling In | 03/19/2025 | Check | 2025-1345 | 10933 | 01-110-206 | 01-340-326 | $1,216.15 |

Notes : RECYCLE REVENUE – Old Corrug 18.7100 TON @ 65.00

| | |
|---|---|
| **Total MRC - RECYC** | $31,755.03 |
| **Grand Total MRC Payments:** | $31,755.03 |

PLEASE TIE YOUR BAGS
PLEASE PUT PLASTIC IN BAGS
ALL ITEMS MUST BE BAGGED
ALL ITEMS MUST BE CLEAN
NO WOOD
NO HOUSEHOLD GARBAGE
NO LOOSE ITEMS TO BE PLACED IN BIN

**City of Southside, Alabama**
January 15 ·

♻️ Over 2024, the City of Southside has collected around 100 tons of cardboard thanks to several factors. Having our own trailers has been incredibly beneficial, as we can place them in convenient locations for our residents, which helps encourage higher participation rates. This flexibility also allows us to move the trailers around and empty them as needed.

🏞️ Additionally, with the recent ADEM grant (pictured below) we will soon receive our own baler. Having this at our disposal will save time that was previously spent transporting the cardboard to be baled in Rainbow City. We will now be able to streamline our cardboard recycling program, enabling us to collect and process significantly more material for the upcoming year.

#WeAreSouthside #southsidealabama #southsideal #cityofsouthside #EtowahCounty #ADEM

**City of Southside, Alabama** is in **Southside**.
September 12, 2024 ·

We are excited to announce the #CityofSouthside has received a Recycling Grant! This is wonderful for the city as we reduce the waste in landfills and decrease pollution.

#WeARESouthside #cityofsouthside #etowahcounty #southsidealabama #SouthsideAl #southsiderecycles #recyclecardboard

er

e approximately 3 tablespoons of water in the small glass and
ut 10 drops of blue food coloring.

he medium glass with water. Add 1-3 inches of shaving cream to
The more shaving cream used the longer the experiment will la

Tanisha Sayles &
Michelle Sanders

form the experiment as a class or in small groups and count the
ber of drops as you put them in the shaving cream cloud. Have
lents record the actual number of drops from the experiment in
second cloud on the page.

r the experiment, have students draw a picture of it in the first
and then write what they learned in the second box.

# Appendix E – Illicit Discharge Detection and Elimination

# RAINBOW CITY MS4
# STORM WATER MAP

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

N

1

2

3

GADSDEN MUNICIPAL AIRPORT

Clubview Heights

Old Harmony

Riverside

Morgans Woods

Rainbow City

Hensley Mountain

Weiss Lake

Coosa River

**Legend**

- Identified Outfalls
- Urbanized Area Boundary
- Rainbow City City Limits
- FY2021 Streams Mapped by City
- FY2020 Streams Mapped by City
- NHD Mapped Streams

**Drainage Zones**

- Zone 1
- Zone 2
- Zone 3

0 1 2 Miles

**REFERENCE:**
GIS BASE LAYERS WERE OBTAINED FROM ARCMAP 10.8.1. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SCALE: 1:35,000

DATE: 05-09-25

PROJECT NUMBER 24820156D

FIGURE NO. 3

# RAINBOW CITY MS4 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM
## TABLE 2 - IDENTIFIED OUTFALLS/OUTFALL INVENTORY

| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE OF LAST INSPECTION | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| **ZONE 1** | | | | | | | | | | |
| **Z1-001** | 33.959564 | -86.052137 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-002** | 33.959544 | -86.051952 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-003** | 33.959418 | -86.051957 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-004** | 33.959408 | -86.052201 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-006** | 33.955223 | -86.051522 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 1/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-007** | 33.960213 | -86.048588 | OPEN DRAINAGE | CONCRETE/EARTHEN | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-008** | 33.960080 | -86.048646 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-009** | 33.960087 | -86.048585 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-010** | 33.959944 | -86.048613 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z1-011** | 33.959785 | -86.048551 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/31/2024 | NO | UNLIKELY |
| **Z1-012** | 33.959547 | -86.048314 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/31/2024 | NO | UNLIKELY |
| **Z1-013** | 33.964223 | -86.045606 | CLOSED PIPE | RCP | MAJOR | HORTON CREEK | 4/3/2020 | 1/31/2024 | NO | UNLIKELY |
| **Z1-014** | 33.965435 | -86.046039 | CLOSED PIPE | CMP | MAJOR | HORTON CREEK | 4/3/2020 | 3/7/2023 | NO | UNLIKELY |
| **Z1-015** | 33.985078 | -86.044079 | CLOSED PIPE | RCP | MINOR | UT TO BIG WILLS CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| **Z1-016** | 33.985147 | -86.043932 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| **Z1-017** | 33.985518 | -86.043231 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 1/2020 | 3/12/2025 | NO | UNLIKELY |
| **Z1-018** | 33.985846 | -86.042363 | OPEN DRAINAGE | EARTHEN & RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 1/2020 | 3/12/2025 | NO | UNLIKELY |
| **Z1-019** | 33.985332 | -86.044054 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| **Z1-020** | 33.967859 | -86.039282 | OPEN DRAINAGE | EARTHEN/RIP-RAP | MINOR | HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-021** | 33.967936 | -86.039142 | OPEN DRAINAGE | RIP-RAP | MINOR | HORTON CREEK | 4/3/2020 | 3/19/2025 | NO | UNLIKELY |
| **Z1-022** | 33.964884 | -86.040840 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-023** | 33.963328 | -86.040818 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-024** | 33.963210 | -86.040755 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | YES | UNLIKELY |
| **Z1-025** | 33.962216 | -86.040785 | CLOSED PIPE | CMP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-026** | 33.961454 | -86.040976 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | YES | UNLIKELY |
| **Z1-027** | 33.960790 | -86.040953 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-028** | 33.959988 | -86.040751 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-029** | 33.960115 | -86.040758 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-030** | 33.960117 | -86.040701 | OPEN DRAINAGE | CONCRETE/EARTHEN | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z1-031** | 33.949430 | -86.051314 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| **Z1-032** | 33.951718 | -86.051042 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-034** | 33.953433 | -86.051018 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-035** | 33.953936 | -86.051354 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-036** | 33.954175 | -86.051543 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-037** | 33.954561 | -86.051549 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-038** | 33.954701 | -86.051554 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-039** | 33.955150 | -86.051570 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-040** | 33.955940 | -86.051830 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-041** | 33.956212 | -86.051586 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-042** | 33.956339 | -86.051729 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-044** | 33.956473 | -86.051596 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-045** | 33.956610 | -86.051530 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-046** | 33.956762 | -86.051623 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-047** | 33.956778 | -86.051625 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-048** | 33.956768 | -86.051609 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-049** | 33.956785 | -86.051574 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-050** | 33.957462 | -86.051764 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 1/5/2024 | NO | UNLIKELY |
| **Z1-051** | 33.957462 | -86.051764 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |

# RAINBOW CITY MS4 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM
## TABLE 2 - IDENTIFIED OUTFALLS/OUTFALL INVENTORY

| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE OF LAST INSPECTION | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| **Z1-052** | 33.957536 | -86.051680 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-053** | 33.957800 | -86.052093 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-054** | 33.959856 | -86.052072 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-055** | 33.960091 | -86.052158 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 1/5/2024 | NO | UNLIKELY |
| **Z1-056** | 33.960697 | -86.052174 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-057** | 33.961028 | -86.052382 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-058** | 33.958752 | -86.052564 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-059** | 33.958748 | -86.052659 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-060** | 33.958240 | -86.053430 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-061** | 33.957894 | -86.054174 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-062** | 33.957789 | -86.054227 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-063** | 33.957191 | -86.054973 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-064** | 33.957184 | -86.055309 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-065** | 33.956998 | -86.055484 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-066** | 33.956951 | -86.055997 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-067** | 33.956732 | -86.056166 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-068** | 33.956598 | -86.056340 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-069** | 33.956479 | -86.056705 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-070** | 33.956102 | -86.057137 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-072** | 33.946930 | -86.055326 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-073** | 33.947495 | -86.055541 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-074** | 33.948065 | -86.056934 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-075** | 33.948298 | -86.057934 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | YES | UNLIKELY |
| **Z1-076** | 33.948440 | -86.058159 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | YES | UNLIKELY |
| **Z1-077** | 33.947683 | -86.059186 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-078** | 33.946030 | -86.058940 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-079** | 33.946013 | -86.059000 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-080** | 33.944443 | -86.058409 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-081** | 33.937050 | -86.065260 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-082** | 33.937070 | -86.065160 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO DRY CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-083** | 33.937780 | -86.064990 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-084** | 33.951709 | -86.044234 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-088** | 33.955396 | -86.044859 | CLOSED PIPE | RCP | MAJOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | POTENTIAL |
| **Z1-091** | 33.955169 | -86.043086 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-092** | 33.954850 | -86.042747 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-093** | 33.954818 | -86.042636 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-094** | 33.954630 | -86.042349 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-095** | 33.954630 | -86.042349 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-096** | 33.954574 | -86.042331 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-097** | 33.954474 | -86.042138 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-098** | 33.954484 | -86.042114 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-099** | 33.956281 | -86.045220 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-100** | 33.956394 | -86.045454 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | YES | UNLIKELY |
| **Z1-101** | 33.956928 | -86.046376 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-103** | 33.957289 | -86.046596 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-104** | 33.957706 | -86.046671 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-106** | 33.958405 | -86.046878 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-108** | 33.958806 | -86.046836 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-109** | 33.959016 | -86.047430 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |

# RAINBOW CITY MS4 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM
## TABLE 2 - IDENTIFIED OUTFALLS/OUTFALL INVENTORY

| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE OF LAST INSPECTION | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| **Z1-110** | 33.959227 | -86.048061 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-111** | 33.960734 | -86.048273 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-112** | 33.961274 | -86.048310 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-113** | 33.958990 | -86.040530 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-114** | 33.959660 | -86.040750 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-115** | 33.960260 | -86.040980 | CLOSED PIPE | CMP | MAJOR | UT TO HORTON CREEK | 3/21/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-116** | 33.965600 | -86.040510 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-117** | 33.965750 | -86.040990 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/6/2023 | YES | UNLIKELY |
| **Z1-118** | 33.964980 | -86.045180 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-119** | 33.966790 | -86.046960 | CLOSED PIPE | CMP | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-120** | 33.966650 | -86.047390 | CLOSED PIPE | CMP | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-121** | 33.966960 | -86.047610 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-122** | 33.967290 | -86.048680 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/7/2023 | NO | UNLIKELY |
| **Z1-124** | 33.978760 | -86.050760 | CLOSED PIPE | CMP | MINOR | UT TO BIG WILLS CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-125** | 33.978760 | -86.050760 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO BIG WILLS CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-126** | 33.965670 | -86.059010 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-127** | 33.965710 | -86.058240 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-128** | 33.968970 | -86.025780 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-129** | 33.968690 | -86.025880 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-130** | 33.968380 | -86.025900 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-131** | 33.968230 | -86.025840 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-132** | 33.967790 | -86.025120 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/6/2023 | NO | UNLIKELY |
| **Z1-133** | 33.957487 | -86.054884 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-136** | 33.953088 | -86.051123 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-137** | 33.958230 | -86.053590 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-138** | 33.958240 | -86.053430 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **ZONE 2** | | | | | | | | | | |
| **Z2-001** | 33.945916 | -86.036486 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | YES | UNLIKELY |
| **Z2-002** | 33.948070 | -86.036691 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-003** | 33.948114 | -86.036952 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-005** | 33.949156 | -86.036520 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-006** | 33.949406 | -86.036655 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | YES | UNLIKELY |
| **Z2-007** | 33.949416 | -86.036720 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-008** | 33.950589 | -86.036490 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-009** | 33.950738 | -86.036481 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-010** | 33.950966 | -86.036493 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-011** | 33.951071 | -86.036968 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-012** | 33.950980 | -86.037973 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-014** | 33.953583 | -86.041169 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/6/2023 | NO | UNLIKELY |
| **Z2-016** | 33.946168 | -86.044796 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/12/2025 | NO | UNLIKELY |
| **Z2-017** | 33.934474 | -86.073906 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/22/2021 | 3/7/2023 | YES | UNLIKELY |
| **Z2-018** | 33.947984 | -86.044476 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-019** | 33.949816 | -86.042909 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-020** | 33.950767 | -86.043054 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-021** | 33.950861 | -86.043505 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-022** | 33.950975 | -86.043630 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-023** | 33.951209 | -86.043666 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-024** | 33.945772 | -86.048213 | CLOSED PIPE | PVC | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-025** | 33.946129 | -86.048859 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |

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| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE OF LAST INSPECTION | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| **Z2-026** | 33.947910 | -86.048839 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-027** | 33.948844 | -86.050428 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-028** | 33.948819 | -86.050577 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-029** | 33.948972 | -86.050564 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-030** | 33.948857 | -86.050568 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z2-031** | 33.952959 | -86.039129 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 3/6/2023 | NO | UNLIKELY |
| **Z2-032** | 33.953016 | -86.039153 | CLOSED PIPE | RCP | MAJOR | UT TO HORTON CREEK | 4/3/2020 | 3/7/2023 | NO | UNLIKELY |
| **Z2-033** | 33.950477 | -86.042533 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-034** | 33.951408 | -86.043996 | CLOSED PIPE | PLASTIC | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-035** | 33.951377 | -86.043763 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-036** | 33.951326 | -86.043733 | CLOSED PIPE | CLAY | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-037** | 33.951322 | -86.043781 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-038** | 33.951353 | -86.043968 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-039** | 33.951395 | -86.044048 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-040** | 33.951430 | -86.044170 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-041** | 33.934258 | -86.074246 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-042** | 33.949204 | -86.051135 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-043** | 33.949074 | -86.051560 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 4/3/2020 | 1/5/2024 | NO | UNLIKELY |
| **Z2-044** | 33.933468 | -86.073205 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-045** | 33.933003 | -86.072888 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-046** | 33.928559 | -86.070700 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-047** | 33.928464 | -86.070765 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-049** | 33.928264 | -86.070604 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | YES | UNLIKELY |
| **Z2-050** | 33.928252 | -86.070591 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-051** | 33.928281 | -86.070593 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-052** | 33.927904 | -86.070705 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | YES | UNLIKELY |
| **Z2-053** | 33.927924 | -86.070680 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-054** | 33.929307 | -86.067495 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-055** | 33.929899 | -86.067608 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-056** | 33.930059 | -86.067657 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-057** | 33.931208 | -86.070489 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-058** | 33.931403 | -86.070548 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-059** | 33.931369 | -86.071545 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-060** | 33.931419 | -86.071659 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/23/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-061** | 33.938300 | -86.062438 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-062** | 33.938144 | -86.062622 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-063** | 33.937768 | -86.063208 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-064** | 33.93772256 | -86.063307 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-065** | 33.937503 | -86.063707 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-066** | 33.936933 | -86.064895 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-067** | 33.946709 | -86.055234 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z2-068** | 33.946878 | -86.054991 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z2-069** | 33.925902 | -86.072882 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-070** | 33.926224 | -86.073042 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-071** | 33.926565 | -86.073084 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-072** | 33.927069 | -86.073245 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | YES | UNLIKELY |
| **Z2-073** | 33.928555 | -86.073769 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-074** | 33.928582 | -86.073743 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-075** | 33.928918 | -86.074322 | CLOSED PIPE | PVC | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |

# RAINBOW CITY MS4 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM
## TABLE 2 - IDENTIFIED OUTFALLS/OUTFALL INVENTORY

| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE OF LAST INSPECTION | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| **Z2-076** | 33.930798 | -86.074535 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-077** | 33.931105 | -86.074501 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-078** | 33.934136 | -86.075953 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/29/2021 | 3/12/2025 | NO | UNLIKELY |
| **Z2-079** | 33.932213 | -86.064207 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/29/2021 | 1/31/2024 | NO | UNLIKELY |
| **Z2-080** | 33.941787 | -86.057410 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 3/29/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z2-081** | 33.941807 | -86.057394 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 3/29/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z2-082** | 33.942217 | -86.057544 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/29/2021 | 3/7/2023 | NO | UNLIKELY |
| **ZONE 3** | | | | | | | | | | |
| **Z3-001** | 33.923041 | -86.093317 | CLOSED PIPE | HDPE | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/24/2021 | NO | UNLIKELY |
| **Z3-002** | 33.927556 | -86.088117 | CLOSED PIPE | STEEL | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z3-003** | 33.926812 | -86.088637 | CLOSED PIPE | STEEL | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z3-004** | 33.927307 | -86.088005 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z3-005** | 33.924875 | -86.087176 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 1/5/2024 | NO | UNLIKELY |
| **Z3-006** | 33.927229 | -86.086201 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/24/2021 | NO | UNLIKELY |
| **Z3-007** | 33.927217 | -86.085894 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/24/2021 | NO | UNLIKELY |
| **Z3-008** | 33.927470 | -86.087995 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/24/2021 | NO | UNLIKELY |
| **Z3-009** | 33.930312 | -86.084111 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z3-010** | 33.930521 | -86.083713 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z3-011** | 33.931506 | -86.081817 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z3-012** | 33.931456 | -86.081929 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z3-013** | 33.932571 | -86.079783 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/7/2023 | NO | UNLIKELY |
| **Z3-014** | 33.932810 | -86.079314 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/12/2025 | NO | UNLIKELY |

**REFERENCE:**
GIS BASE LAYERS WERE OBTAINED FROM ARCMAP 10.5.1. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

ATTALLA

RAINBOW CITY

GADSDEN

SOUTHSIDE

1

2

3

Big Wills Creek

Horton Creek

Coosa River

Dry Creek

0 1 2 Miles

N

**Legend**

- Rainbow City MS4 Boundary
- Rainbow City Limits

**Drainage Zones**

- Drainage Zone 1
- Drainage Zone 2
- Drainage Zone 3

# DELINEATED DRAINAGE BASINS

RAINBOW CITY MS4
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

SCALE: 1:32,000

DATE: 05-09-25

PROJECT NUMBER 4482-19-068

FIGURE NO. 1

# TABLE 1. RAINBOW CITY MS4 IDDE
# ILLICIT DISCHARGE POTENTIAL (IDP)
# CALCULATIONS FOR 2024-2025 REPORTING PERIOD

| DRAINAGE ZONE | IDP CALCULATION | PRIORITY AREA |
|---|---|---|
| 1* | 9 | YES |
| 2* | 9 | YES |
| 3 | 5 | NO |

*Total IDP > 9 = Priority Area

## ILLICIT DISCHARGE POTENTIAL WORKSHEET

SUBWATERSHED: 1 DATE OF EVALUATION: 11/8/2024

COMMENTS: Drainage Zone 1 - Big Wills Creek

| | | | IDP RANKING VALUES | | | |
|---|---|---|---|---|---|---|
| | CRITERION | RESULT | 1 | 2 | 3 | IDP SCORE |
| 1 | LAND USE / ZONING | Industrial | Residential | Business | Industrial | 3 |
| 2 | # OF ILLICIT DISCHARGE REPORTS IN PAST 2 YEARS | 0 | 0 reports | 1-5 reports | > 5 reports | 1 |
| 3 | # OF POTENTIAL GENERATING SITES | 41 | 0 sites | 1-5 sites | > 5 sites | 3 |
| 4 | AVERAGE AGE OF DEVELOPMENT | 10-50 years | < 10 years | 10-50 years | > 50 years | 2 |
| | | | | | TOTAL IDP | 9 |

**TOTAL IDP > 9 = PRIORITY AREA**

## ILLICIT DISCHARGE POTENTIAL WORKSHEET

SUBWATERSHED: 2 DATE OF EVALUATION: 11/8/2024

COMMENTS: Drainage Zone 2 - Horton Creek

| | | | IDP RANKING VALUES | | | |
|---|---|---|---|---|---|---|
| | CRITERION | RESULT | 1 | 2 | 3 | IDP SCORE |
| 1 | LAND USE / ZONING | Business | Residential | Business | Industrial | 2 |
| 2 | # OF ILLICIT DISCHARGE REPORTS IN PAST 2 YEARS | 0 | 0 reports | 1-5 reports | > 5 reports | 1 |
| 3 | # OF POTENTIAL GENERATING SITES | 9 | 0 sites | 1-5 sites | > 5 sites | 3 |
| 4 | AVERAGE AGE OF DEVELOPMENT | >50 years | < 10 years | 10-50 years | > 50 years | 3 |
| | | | | | TOTAL IDP | 9 |

**TOTAL IDP > 9 = PRIORITY AREA**

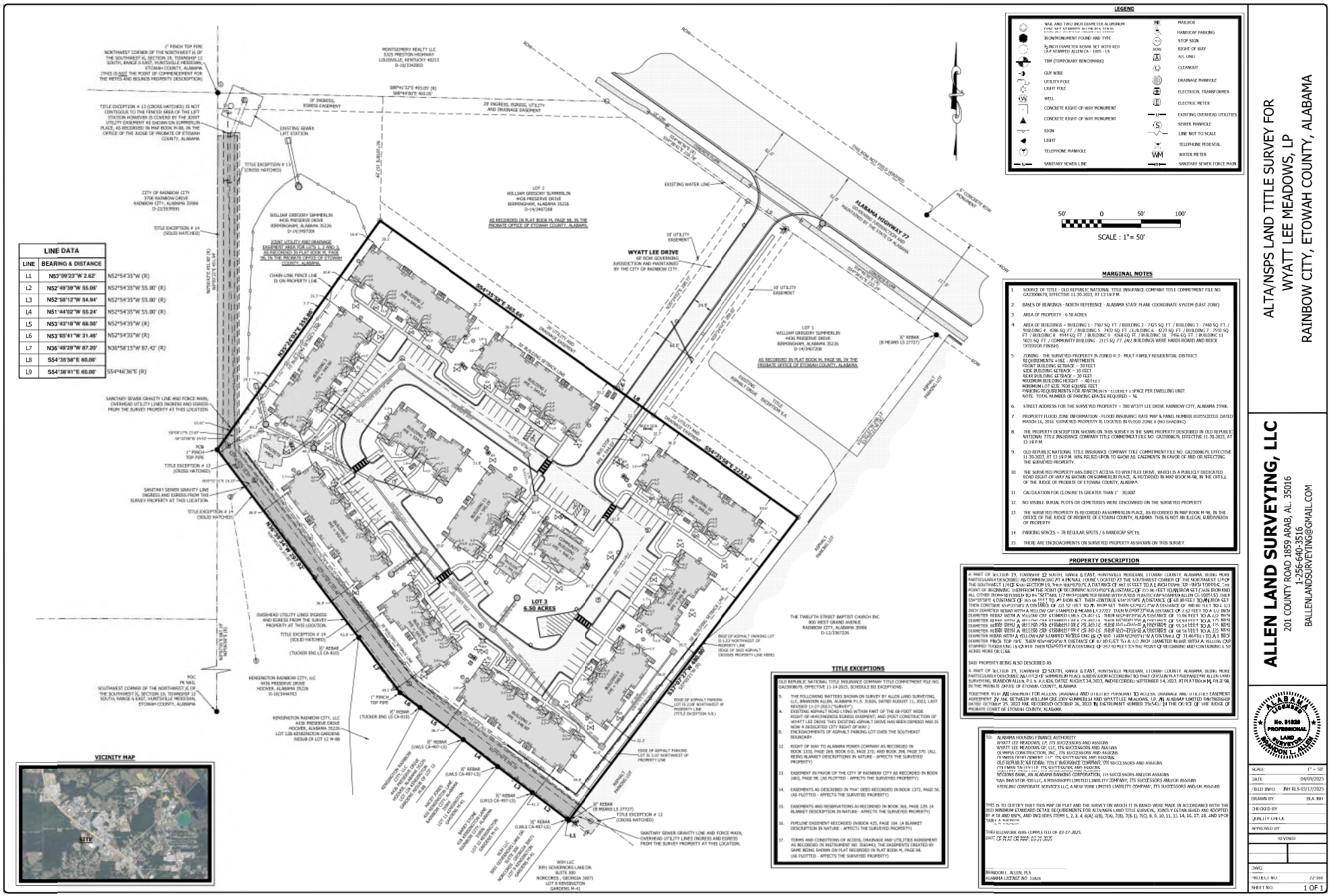
## ILLICIT DISCHARGE POTENTIAL WORKSHEET

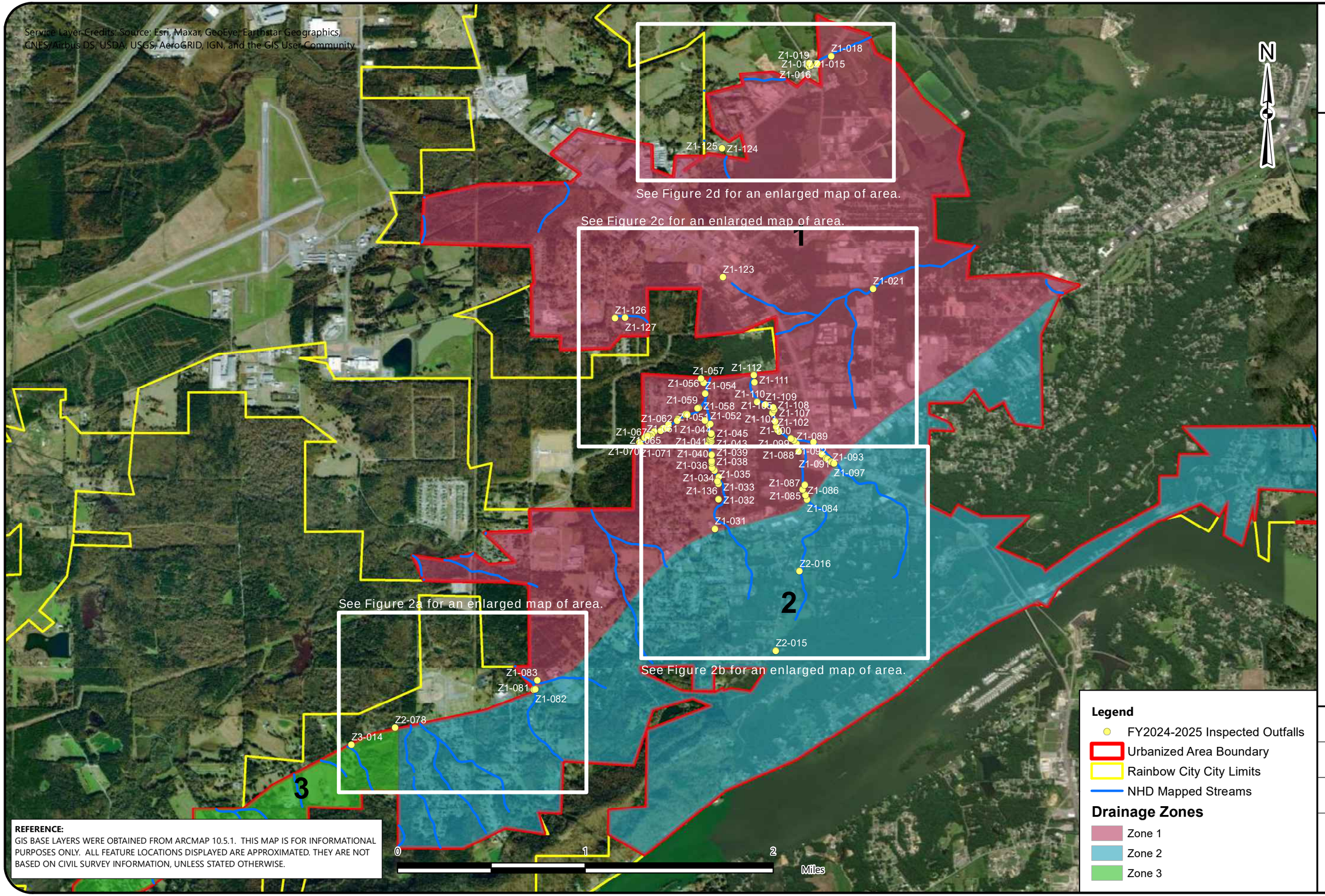
SUBWATERSHED: 3 DATE OF EVALUATION: 11/8/2024

COMMENTS: Drainage Zone 3 - Dry Creek

| | | | IDP RANKING VALUES | | | |
|---|---|---|---|---|---|---|
| | CRITERION | RESULT | 1 | 2 | 3 | IDP SCORE |
| 1 | LAND USE / ZONING | Residential | Residential | Business | Industrial | 1 |
| 2 | # OF ILLICIT DISCHARGE REPORTS IN PAST 2 YEARS | 0 | 0 reports | 1-5 reports | > 5 reports | 1 |
| 3 | # OF POTENTIAL GENERATING SITES | 0 | 0 sites | 1-5 sites | > 5 sites | 1 |
| 4 | AVERAGE AGE OF DEVELOPMENT | 10-50 years | < 10 years | 10-50 years | > 50 years | 2 |
| | | | | | TOTAL IDP | 5 |

**TOTAL IDP > 9 = PRIORITY AREA**


LEGEND
NAIL AND TWO INCH DIAMETER ALUMINUM DISC SET STAMPED ALLEN PLS 31826
IRON/MONUMENT FOUND AND TYPE
½ INCH DIAMETER REBAR SET WITH RED CAP STAMPED ALLEN CA - 1005 - LS
TBM (TEMPORARY BENCHMARK)
GUY WIRE
UTILITY POLE
LIGHT POLE
WELL
CONCRETE RIGHT-OF-WAY MONUMENT
CONCRETE RIGHT-OF-WAY MONUMENT
SIGN
LIGHT
TELEPHONE MANHOLE
SANITARY SEWER LINE
MAILBOX
HANDICAP PARKING
STOP SIGN
ROW RIGHT OF WAY
A/C UNIT
CLEANOUT
DRAINAGE MANHOLE
ELECTRICAL TRANSFORMER
ELECTRIC METER
EXISTING OVERHEAD UTILITIES
SEWER MANHOLE
LINE NOT TO SCALE
TELEPHONE PEDESTAL
WATER METER
SANITARY SEWER FORCE MAIN
50' 0 50' 100'
SCALE : 1"= 50'
LINE DATA
LINE | BEARING & DISTANCE
L1 | N52°09'23"W 2.62' | N52°54'35"W (R)
L2 | N52°49'38"W 55.06' | N52°54'35"W 55.00' (R)
L3 | N52°58'12"W 54.94' | N52°54'35"W 55.00' (R)
L4 | N51°44'02"W 55.24' | N52°54'35"W 55.00' (R)
L5 | N53°43'18"W 68.58' | N52°54'35"W (R)
L6 | N53°05'41"W 31.46' | N52°54'35"W (R)
L7 | N36°48'29"W 87.20' | N36°58'15"W 87.42' (R)
L8 | S54°35'58"E 60.00' |
L9 | S54°46'36"E (R)
MARGINAL NOTES
1. SOURCE OF TITLE - OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT FILE NO. GA2300867B, EFFECTIVE 11-30-2023, AT 12:18 P.M.
2. BASES OF BEARINGS - NORTH REFERENCE - ALABAMA STATE PLANE COORDINATE SYSTEM (EAST ZONE)
3. AREA OF PROPERTY - 6.50 ACRES
4. AREA OF BUILDINGS – BUILDING 1 - 7507 SQ. FT. / BUILDING 2 - 7425 SQ. FT. / BUILDING 3 - 7440 SQ. FT. / BUILDING 4 - 4086 SQ. FT. / BUILDING 5 - 7402 SQ. FT. / BUILDING 6 - 4023 SQ. FT. / BUILDING 7 - 7592 SQ. FT. / BUILDING 8 - 4944 SQ. FT. / BUILDING 9 - 4068 SQ. FT. / BUILDING 10 - 7466 SQ. FT. / BUILDING 11 - 5021 SQ. FT. / COMMUNITY BUILDING - 2125 SQ. FT. (ALL BUILDINGS WERE HARDI BOARD AND BRICK EXTERIOR FINISH)
5. ZONING - THE SURVEYED PROPERTY IS ZONED R-3 - MULT-FAMILY RESIDENTIAL DISTRICT REQUIREMENTS - USE - APARTMENTS FRONT BUILDING SETBACK – 20 FEET SIDE BUILDING SETBACK – 10 FEET REAR BUILDING SETBACK – 30 FEET MAXIMUM BUILDING HEIGHT – 40 FEET MINIMUM LOT SIZE 7000 SQUARE FEET PARKING REQUIREMENTS FOR APARTMENTS - ELEVEN 1 SPACE PER DWELLING UNIT. NOTE: TOTAL NUMBER OF PARKING SPACES REQUIRED – 96
6. STREET ADDRESS FOR THE SURVEYED PROPERTY = 300 WYATT LEE DRIVE RAINBOW CITY, ALABAMA 35906
7. PROPERTY FLOOD ZONE INFORMATION - FLOOD INSURANCE RATE MAP & PANEL NUMBER 01055C0031E DATED MARCH 16, 2016. SURVEYED PROPERTY IS LOCATED IN FLOOD ZONE X (NO SHADING).
8. THE PROPERTY DESCRIPTION SHOWN ON THIS SURVEY IS THE SAME PROPERTY DESCRIBED IN OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT FILE NO. GA2300867B, EFFECTIVE 11-30-2023, AT 12:18 P.M.
9. OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT FILE NO. GA2300867B, EFFECTIVE 11-30-2023, AT 12:18 P.M. WAS RELIED UPON TO SHOW ALL EASEMENTS IN FAVOR OF AND OR AFFECTING THE SURVEYED PROPERTY.
10. THE SURVEYED PROPERTY HAS DIRECT ACCESS TO WYATT LEE DRIVE, WHICH IS A PUBLICLY DEDICATED ROAD RIGHT-OF-WAY AS SHOWN ON SUMMERLIN PLACE, AS RECORDED IN MAP BOOK M-98, IN THE OFFICE OF THE JUDGE OF PROBATE OF ETOWAH COUNTY, ALABAMA. THIS IS NOT AN ILLEGAL SUBDIVISION OF PROPERTY.
11. CALCULATION FOR CLOSURE IS GREATER THAN 1' : 30,000'
12. NO VISIBLE BURIAL PLOTS OR CEMETERIES WERE DISCOVERED ON THE SURVEYED PROPERTY.
13. THE SURVEYED PROPERTY IS RECORDED AS SUMMERLIN PLACE, AS RECORDED IN MAP BOOK M-98, IN THE OFFICE OF THE JUDGE OF PROBATE OF ETOWAH COUNTY, ALABAMA. THIS IS NOT AN ILLEGAL SUBDIVISION OF PROPERTY.
14. PARKING SPACES – 78 REGULAR SPOTS / 0 HANDICAP SPOTS
15. THERE ARE ENCROACHMENTS ON SURVEYED PROPERTY AS SHOWN ON THIS SURVEY.
PROPERTY DESCRIPTION
A PART OF SECTION 19, TOWNSHIP 12 SOUTH, RANGE 6 EAST, HUNTSVILLE MERIDIAN, ETOWAH COUNTY, ALABAMA, BEING MORE PARTICULARLY DESCRIBED AS COMMENCING AT A PK NAIL FOUND LOCATED AT THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 19; THENCE N00°03'50"E, A DISTANCE OF 1967.16 FEET TO A 1 INCH OPEN TOP PIPE; THE POINT OF BEGINNING. LEAVING THE POINT OF BEGINNING N39°49'49"E A DISTANCE OF 355.86 FEET TO A IRON SET (5/8X IRON AND ALL OTHER IRONS REFERRED TO AS "SET" ARE 1/2 INCH DIAMETER REBAR WITH A RED PLASTIC CAP STAMPED ALLEN CA-1005-LS); THENCE S54°35'58"E A DISTANCE OF 365.66 FEET TO A IRON SET, THEN CONTINUE S54°35'58"E A DISTANCE OF 60.00 FEET TO A IRON SET; THEN CONTINUE S54°35'58"E A DISTANCE OF 227.57 FEET TO A POINT, IRON SET; THEN S29°07'27"W A DISTANCE OF 480.86 FEET TO A 1/2 INCH DIAMETER REBAR WITH A YELLOW CAP STAMPED ALLEN CA-1005-LS; THEN N60°49'39"W A DISTANCE OF 55.06 FEET TO A 1/2 INCH DIAMETER REBAR WITH A YELLOW CAP STAMPED ALLEN CA-1005-LS; THEN N60°49'39"W A DISTANCE OF 54.94 FEET TO A 1/2 INCH DIAMETER REBAR WITH A YELLOW CAP STAMPED ALLEN CA-1005-LS; THEN N51°44'02"W A DISTANCE OF 55.24 FEET TO A 1/2 INCH DIAMETER REBAR WITH A YELLOW CAP STAMPED ALLEN CA-1005-LS; THEN N53°43'18"W A DISTANCE OF 68.58 FEET TO A 1/2 INCH DIAMETER REBAR WITH A YELLOW CAP STAMPED ALLEN CA-1005-LS; THEN N53°05'41"W A DISTANCE OF 31.46 FEET TO A 1 INCH DIAMETER PINCH TOP PIPE; THEN N36°48'29"W A DISTANCE OF 87.20 FEET TO A 1/2 INCH DIAMETER REBAR WITH A YELLOW CAP STAMPED TUCKER ENG LS CA-810. THEN N36°58'15"W A DISTANCE OF 257.92 FEET TO THE POINT OF BEGINNING AND CONTAINING 6.50 ACRES MORE OR LESS.
SAID PROPERTY BEING ALSO DESCRIBED AS:
A PART OF SECTION 19, TOWNSHIP 12 SOUTH, RANGE 6 EAST, HUNTSVILLE MERIDIAN, ETOWAH COUNTY, ALABAMA, BEING MORE PARTICULARLY DESCRIBED AS: LOT 3 OF SUMMERLIN PLACE SUBDIVISION ACCORDING TO THAT CERTAIN PLAT PREPARED BY ALLEN LAND SURVEYING, BRANDON ALLEN, P.L.S. #31826, DATED AUGUST 24, 2023, AND RECORDED SEPTEMBER 14, 2023, AT PLAT BOOK M, PAGE 98, IN THE PROBATE OFFICE OF ETOWAH COUNTY, ALABAMA.
TOGETHER WITH AN EASEMENT FOR ACCESS, DRAINAGE AND UTILITIES PURSUANT TO ACCESS, DRAINAGE AND UTILITIES EASEMENT AGREEMENT BY AND BETWEEN WILLIAM GREGORY SUMMERLIN AND WYATT LEE MEADOWS, LP, AN ALABAMA LIMITED PARTNERSHIP DATED OCTOBER 25, 2023 AND RECORDED OCTOBER 26, 2023 IN INSTRUMENT NUMBER 356545, IN THE OFFICE OF THE JUDGE OF PROBATE COURT OF ETOWAH COUNTY, ALABAMA.
TITLE EXCEPTIONS
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT FILE NO. GA2300867B, EFFECTIVE 11-14-2023, SCHEDULE B II EXCEPTIONS:
5. THE FOLLOWING MATTERS SHOWN ON SURVEY BY ALLEN LAND SURVEYING, LLC, BRANDON ALLEN, ALABAMA P.L.S. 31826, DATED AUGUST 11, 2022, LAST REVISED 11-27-2023 ("SURVEY")
A. EXISTING ASPHALT ROAD LYING WITHIN PART OF THE 68-FOOT WIDE RIGHT-OF-WAY/INGRESS EGRESS EASEMENT; AND (POST CONSTRUCTION OF WYATT LEE DRIVE THIS EXISTING ASPHALT DRIVE HAS BEEN DEPICTED AND IS NOW A DEDICATED CITY RIGHT OF WAY.)
B. ENCROACHMENTS OF ASPHALT PARKING LOT OVER THE SOUTHEAST BOUNDARY.
12. RIGHT OF WAY TO ALABAMA POWER COMPANY AS RECORDED IN BOOK 1333, PAGE 289; BOOK 0-0, PAGE 271; AND BOOK 398, PAGE 379. (ALL BEING BLANKET DESCRIPTIONS IN NATURE - AFFECTS THE SURVEYED PROPERTY)
13. EASEMENT IN FAVOR OF THE CITY OF RAINBOW CITY AS RECORDED IN BOOK 1802, PAGE 98. (AS PLOTTED - AFFECTS THE SURVEYED PROPERTY)
14. EASEMENTS AS DESCRIBED IN THAT DEED RECORDED IN BOOK 1372, PAGE 56. (AS PLOTTED - AFFECTS THE SURVEYED PROPERTY)
15. EASEMENTS AND RESERVATIONS AS RECORDED IN BOOK 365, PAGE 229. (A BLANKET DESCRIPTION IN NATURE - AFFECTS THE SURVEYED PROPERTY)
16. PIPELINE EASEMENT RECORDED IN BOOK 425, PAGE 384. (A BLANKET DESCRIPTION IN NATURE - AFFECTS THE SURVEYED PROPERTY)
17. TERMS AND CONDITIONS OF ACCESS, DRAINAGE AND UTILITIES AGREEMENT AS RECORDED IN INSTRUMENT NO. 356544; THE EASEMENTS CREATED BY SAME BEING SHOWN ON PLAT RECORDED IN PLAT BOOK M, PAGE 98. (AS PLOTTED - AFFECTS THE SURVEYED PROPERTY).
TO: ALABAMA HOUSING FINANCE AUTHORITY
WYATT LEE MEADOWS, LP, ITS SUCCESSORS AND ASSIGNS
WYATT LEE MEADOWS GP, LLC, ITS SUCCESSORS AND ASSIGNS
OLYMPIA CONSTRUCTION, INC., ITS SUCCESSORS AND ASSIGNS
OLYMPIA DEVELOPMENT, LLC, ITS SUCCESSORS AND ASSIGNS
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, ITS SUCCESSORS AND ASSIGNS
CITIZENS TRUST BANK, ITS SUCCESSORS AND ASSIGNS
SYCAMORE BANK, AN ALABAMA BANKING CORPORATION, ITS SUCCESSORS AND/OR ASSIGNS
NAH INVESTOR 400 LLC, A MISSISSIPPI LIMITED LIABILITY COMPANY, ITS SUCCESSORS AND/OR ASSIGNS
STERLING CORPORATE SERVICES LLC, A NEW YORK LIMITED LIABILITY COMPANY, ITS SUCCESSORS AND/OR ASSIGNS
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(A), 6(B), 7(A), 7(B), 7(B-1), 7(C), 8, 9, 10, 11, 13, 14, 16, 17, 18, AND 19 OF TABLE A THEREOF.
THE FIELDWORK WAS COMPLETED ON 03-17-2025.
DATE OF PLAT OR MAP: 03-21-2025
BRANDON L. ALLEN, PLS
ALABAMA LICENSE NO. 31826
VICINITY MAP
SITE
ALTA/NSPS LAND TITLE SURVEY FOR
WYATT LEE MEADOWS, LP
RAINBOW CITY, ETOWAH COUNTY, ALABAMA
ALLEN LAND SURVEYING, LLC
201 COUNTY ROAD 1859 ARAB, AL. 35016
1-256-640-3516
BALLENLANDSURVEYING@GMAIL.COM
ALABAMA LICENSED No. 31826 PROFESSIONAL LAND SURVEYOR BRANDON L. ALLEN
SCALE: 1" = 50'
DATE: 04/09/2025
FIELD INFO: JNH RLS 03/17/2025
DRAWN BY: BLA JNH
CHECKED BY:
QUALITY CHECK
APPROVED BY:
REVISED
DWG:
PROJECT NO.: 22-160
SHEET NO.: 1 OF 1




# RAINBOW CITY MS4
## FY2024-2025 INSPECTED OUTFALLS
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

SCALE: 1:30,000

DATE: 05-9-25

PROJECT NUMBER 4482-19-068

FIGURE NO. 2

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

N

1

2

3

Z1-083

Z1-081

Z1-082

Z2-078

Z3-014

0 0.25 0.5 Miles

**REFERENCE:**
GIS BASE LAYERS WERE OBTAINED FROM ARCMAP 10.5.1. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

**Legend**

- FY2024-2025 Inspected Outfalls
- Urbanized Area Boundary
- Rainbow City City Limits
- NHD Mapped Streams

**Drainage Zones**

- Zone 1
- Zone 2
- Zone 3

**RAINBOW CITY MS4**
**FY2024-2025 INSPECTED OUTFALLS**

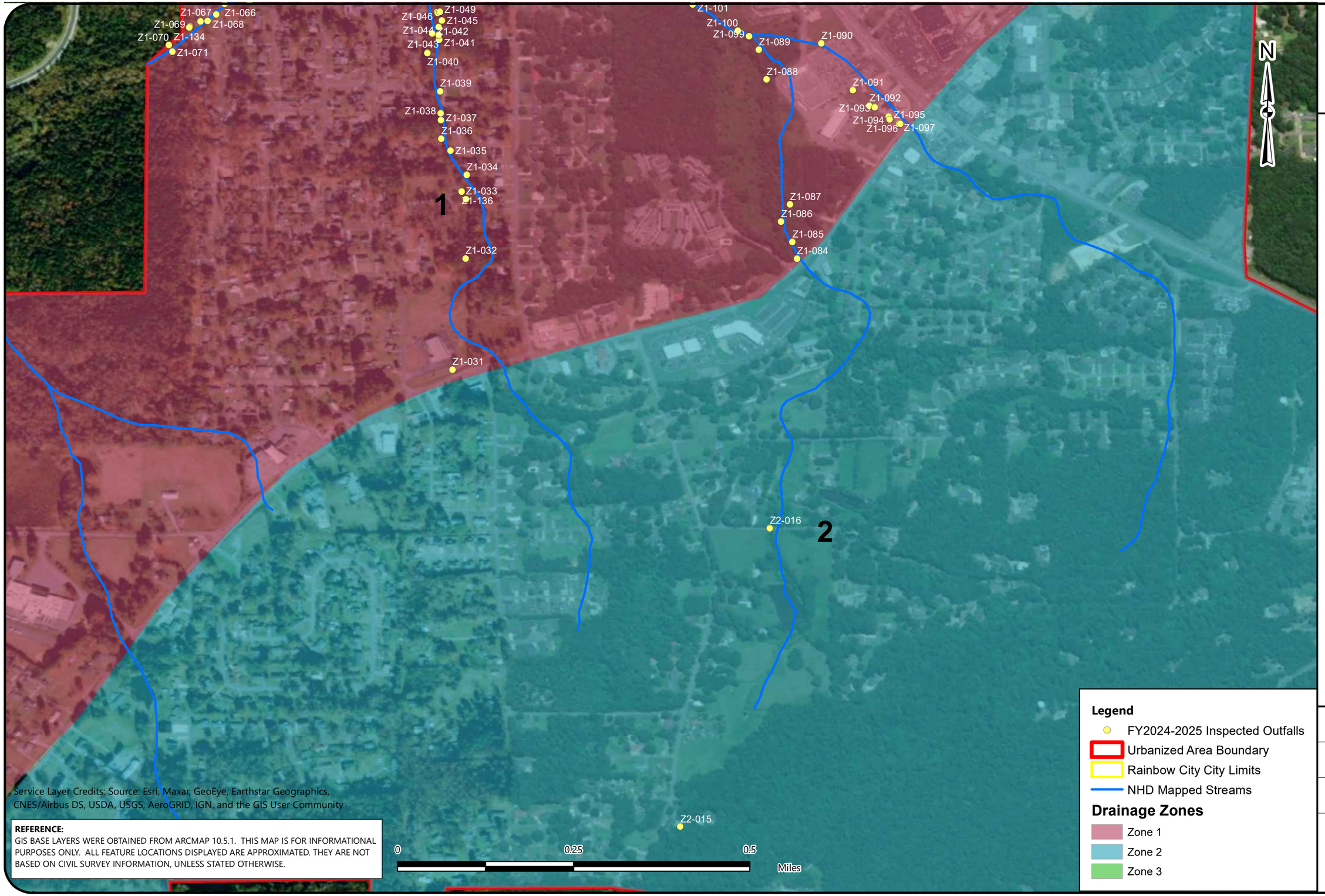
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

SCALE: 1:6,000

DATE: 05-9-25

PROJECT NUMBER 4482-19-068

FIGURE NO. **2a**




# RAINBOW CITY MS4
## FY2024-2025 INSPECTED OUTFALLS

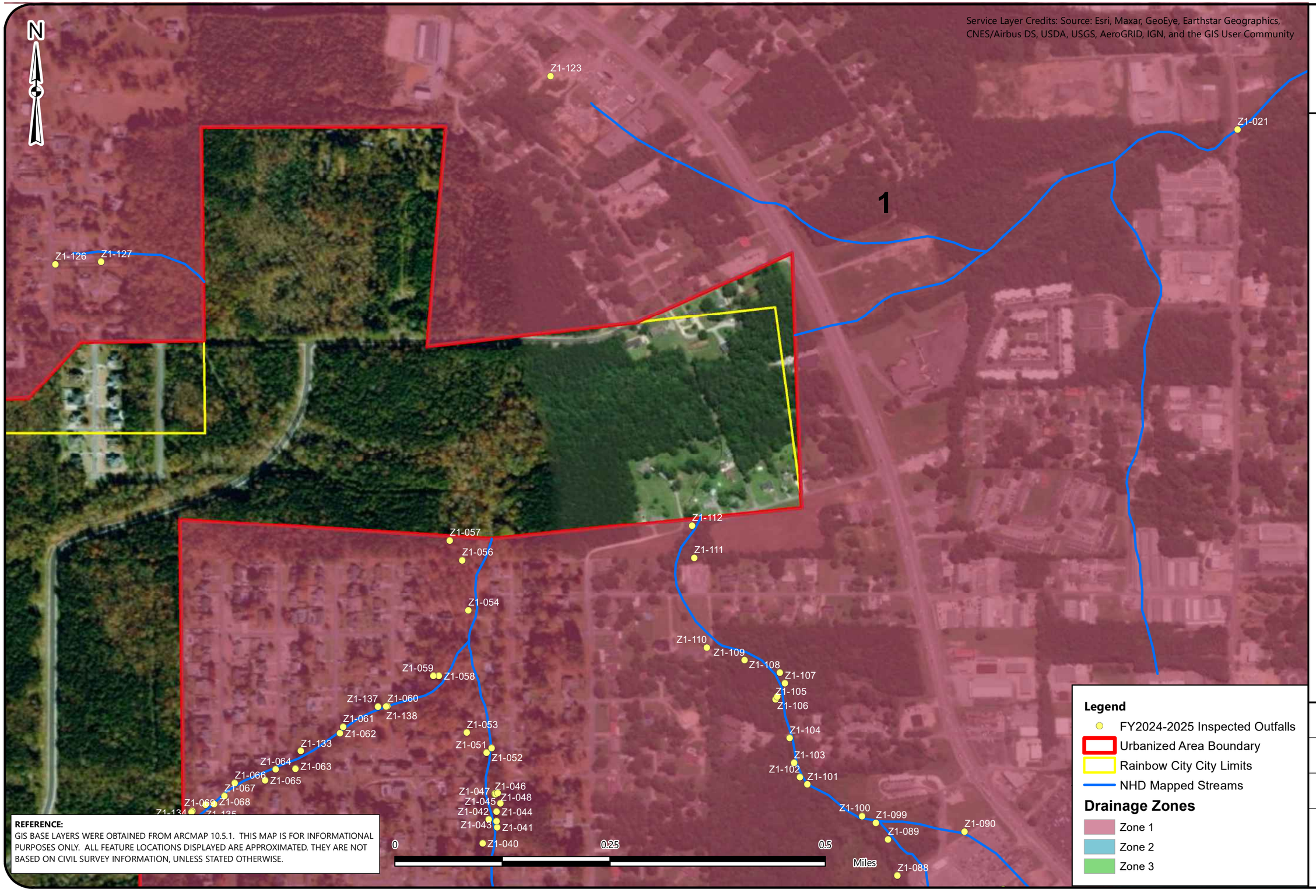
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

SCALE: 1:8,000

DATE: 05-9-25

PROJECT NUMBER 4482-19-068

FIGURE NO. **2b**




**REFERENCE:**
GIS BASE LAYERS WERE OBTAINED FROM ARCMAP 10.5.1. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

# RAINBOW CITY MS4
## FY2024-2025 INSPECTED OUTFALLS

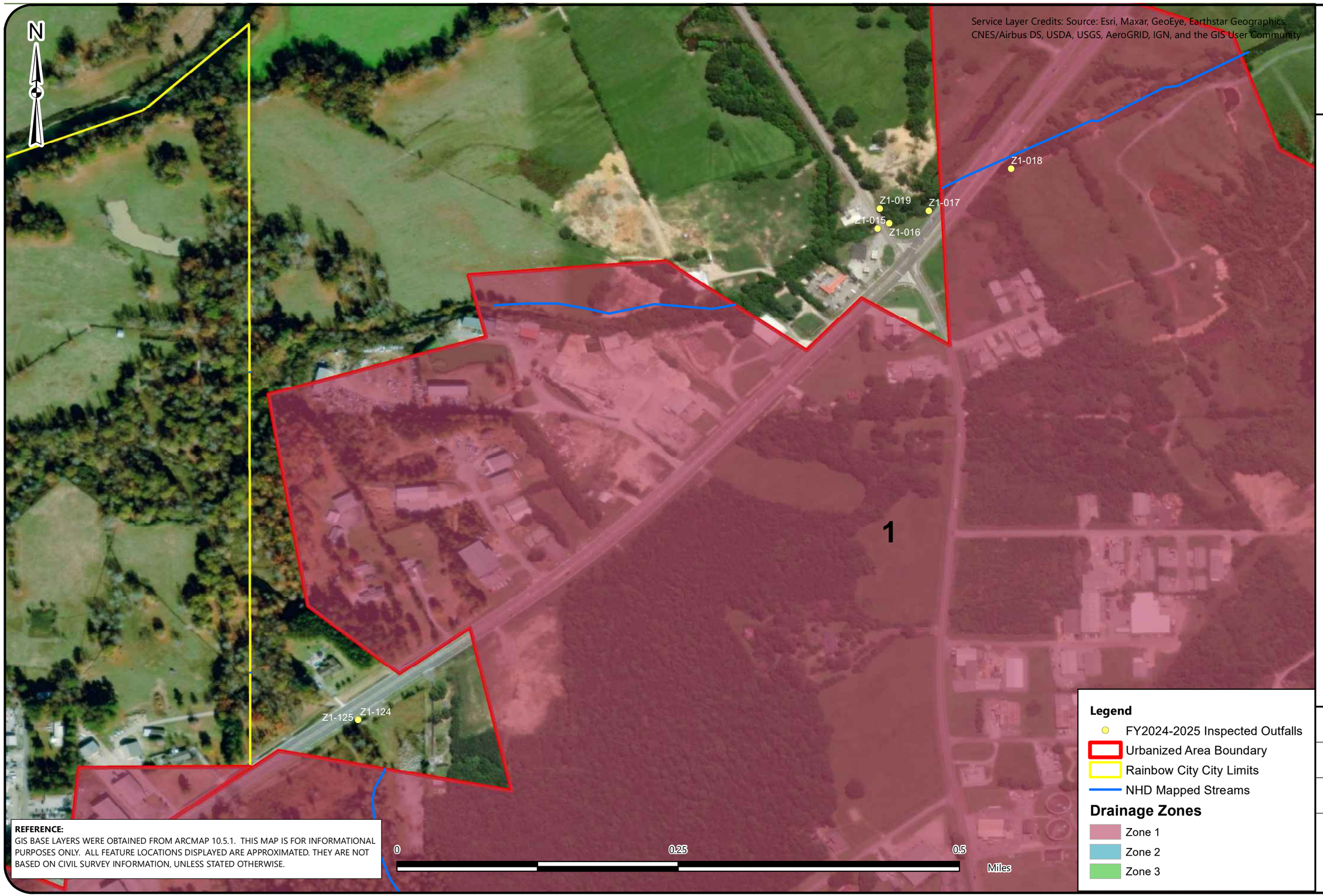
GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

SCALE: 1:6,500

DATE: 05-9-25

PROJECT NUMBER 4482-19-068

FIGURE NO. **2c**




**REFERENCE:**
GIS BASE LAYERS WERE OBTAINED FROM ARCMAP 10.5.1. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

# RAINBOW CITY MS4
## FY2024-2025 INSPECTED OUTFALLS

GADSDEN ALABAMA URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

SCALE: 1:5,000

DATE: 05-9-25

PROJECT NUMBER 4482-19-068

FIGURE NO. **2d**

## RAINBOW CITY ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM
## TABLE 3 - FY2024-2025 OUTFALL INSPECTIONS

| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE INSPECTED | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| ZONE 1 | | | | | | | | | | |
| Z1-015 | 33.985078 | -86.044079 | CLOSED PIPE | RCP | MINOR | UT TO BIG WILLS CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| Z1-016 | 33.985147 | -86.043932 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| Z1-017 | 33.985518 | -86.043231 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 1/2020 | 3/12/2025 | NO | UNLIKELY |
| Z1-018 | 33.985846 | -86.042363 | OPEN DRAINAGE | EARTHEN & RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 1/2020 | 3/12/2025 | NO | UNLIKELY |
| Z1-019 | 33.985332 | -86.044054 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO BIG WILLS CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| Z1-021 | 33.9679362 | -86.039142 | OPEN DRAINAGE | RIP-RAP | MINOR | HORTON CREEK | 4/3/2020 | 3/19/2025 | NO | UNLIKELY |
| Z1-031 | 33.949430 | -86.051314 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 4/3/2020 | 3/12/2025 | NO | UNLIKELY |
| Z1-032 | 33.951718 | -86.051042 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-033* | 33.952934 | -86.051040 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NA | NA |
| Z1-034 | 33.953433 | -86.051018 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-035 | 33.953936 | -86.051354 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-036 | 33.954175 | -86.051543 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-037 | 33.954561 | -86.051549 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-038 | 33.954701 | -86.051554 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-039 | 33.955150 | -86.051570 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-040 | 33.955940 | -86.051830 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-041 | 33.956212 | -86.051586 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-042 | 33.956339 | -86.051729 | CLOSED PIPE | RCP | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-043* | 33.956310 | -86.051596 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NA | NA |
| Z1-044 | 33.956473 | -86.051596 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-045 | 33.956610 | -86.051530 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-046 | 33.956762 | -86.051623 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-047 | 33.956778 | -86.051625 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-048 | 33.956768 | -86.051609 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-049 | 33.956785 | -86.051574 | OPEN DRAINAGE | CONCRETE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-051 | 33.957462 | -86.051764 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-052 | 33.957536 | -86.051680 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-053 | 33.957800 | -86.052093 | CLOSED PIPE | HDPE | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-054 | 33.959856 | -86.052072 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-056 | 33.960697 | -86.052174 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-057 | 33.961028 | -86.052382 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-058 | 33.958752 | -86.052564 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-059 | 33.958748 | -86.052659 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-060 | 33.958240 | -86.053430 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-061 | 33.957894 | -86.054174 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-062 | 33.957789 | -86.054227 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-063 | 33.957191 | -86.054973 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-064 | 33.957184 | -86.055309 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-065 | 33.956998 | -86.055484 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-066 | 33.956951 | -86.055997 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-067 | 33.956732 | -86.056166 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-068 | 33.956598 | -86.056340 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-069 | 33.956479 | -86.056705 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-070 | 33.956102 | -86.057137 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-071* | 33.955960 | -86.057067 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NA | NA |
| Z1-081 | 33.937050 | -86.065260 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-082 | 33.937070 | -86.065160 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO DRY CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-083 | 33.937780 | -86.064990 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| Z1-084 | 33.951709 | -86.044234 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| Z1-085* | 33.952049 | -86.044330 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| Z1-086* | 33.952470 | -86.044560 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| Z1-087* | 33.952827 | -86.044383 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| Z1-088 | 33.955396 | -86.044859 | CLOSED PIPE | RCP | MAJOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| Z1-089* | 33.956004 | -86.045018 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| Z1-090* | 33.956132 | -86.043734 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |

**RAINBOW CITY ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM**
**TABLE 3 - FY2024-2025 OUTFALL INSPECTIONS**

| OUTFALL ID # | LOCATION (LAT/LONG) | | OUTFALL DESCRIPTION | | | RECEIVING WATER BODY | DATE IDENTIFIED | DATE INSPECTED | FLOW (YES/NO) | OUTFALL CHARACTERIZATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | CLOSED/OPEN | MATERIAL | MAJOR/MINOR | | | | | |
| **Z1-091** | 33.955169 | -86.043086 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-092** | 33.954850 | -86.042747 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-093** | 33.954818 | -86.042636 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-094** | 33.954630 | -86.042349 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-095** | 33.95463 | -86.042349 | CLOSED PIPE | HDPE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-096** | 33.954574 | -86.042331 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-097** | 33.954474 | -86.042138 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-098** | 33.954484 | -86.042114 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-099** | 33.956281 | -86.045220 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-100** | 33.956394 | -86.045454 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | YES | UNLIKELY |
| **Z1-101** | 33.956928 | -86.046376 | OPEN DRAINAGE | RIP-RAP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-102*** | 33.957048 | -86.046497 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| **Z1-103** | 33.957289 | -86.046596 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-104** | 33.957706 | -86.046671 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-105*** | 33.958355 | -86.046908 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| **Z1-106** | 33.958405 | -86.046878 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-107*** | 33.958629 | -86.046750 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NA | NA |
| **Z1-108** | 33.958806 | -86.046836 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-109** | 33.959016 | -86.047430 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-110** | 33.959227 | -86.048061 | OPEN DRAINAGE | CONCRETE | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-111** | 33.960734 | -86.048273 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-112** | 33.961274 | -86.048310 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/21/2022 | 3/19/2025 | NO | UNLIKELY |
| **Z1-123*** | 33.968830 | -86.050690 | CLOSED PIPE | CMP | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NA | NA |
| **Z1-124** | 33.978760 | -86.050760 | CLOSED PIPE | CMP | MINOR | UT TO BIG WILLS CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-125** | 33.978760 | -86.050760 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO BIG WILLS CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-126** | 33.965670 | -86.059010 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-127** | 33.965710 | -86.058240 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-133** | 33.957487 | -86.054884 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-134*** | 33.956460 | -86.056721 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NA | NA |
| **Z1-135*** | 33.956582 | -86.056487 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NA | NA |
| **Z1-136** | 33.953088 | -86.051123 | OPEN DRAINAGE | EARTHEN | MINOR | HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-137** | 33.958230 | -86.053590 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **Z1-138** | 33.958240 | -86.053430 | CLOSED PIPE | PVC | MINOR | UT TO HORTON CREEK | 3/22/2022 | 3/12/2025 | NO | UNLIKELY |
| **ZONE 2** | | | | | | | | | | |
| **Z2-015*** | 33.940036 | -86.046635 | CLOSED PIPE | RCP | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/12/2025 | NA | NA |
| **Z2-016** | 33.946168 | -86.044796 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO HORTON CREEK | 3/22/2021 | 3/12/2025 | NO | UNLIKELY |
| **Z2-078** | 33.934136 | -86.075953 | OPEN DRAINAGE | EARTHEN | MINOR | UT TO DRY CREEK | 3/29/2021 | 3/12/2025 | NO | UNLIKELY |
| **ZONE 3** | | | | | | | | | | |
| **Z3-014** | 33.932810 | -86.079314 | CLOSED PIPE | RCP | MINOR | UT TO DRY CREEK | 3/24/2021 | 3/12/2025 | NO | UNLIKELY |

NA = Not Applicable

*Outfalls Z1-033, Z1-043, Z1-071, Z1-085, Z1-086, Z1-087, Z1-089, Z1-090, Z1-102, Z1-105, Z1-107, Z1-123, Z1-134, Z1-135, and Z2-015 were no longer present and removed from the outfall inventory.

# OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

## Section 1: Background Data

| | | | |
|---|---|---|---|
| Drainage Basin: Drainage Zone 1 | | Outfall ID: Z1-015 | |
| Today's Date: 3/12/2025 | | Time (Military): 1328 | |
| Investigators: E. Kennedy and J. Jayroe | | Form completed by: E. Kennedy | |
| Temperature (°F): 72 | Rainfall (in.): Last 24 hours: 0 | Last 48 hours: 0 | |
| Latitude: 33.985078 | Longitude: -86.044079 | GPS Unit: Trimble Geo 7X | GPS LMK #: NA |
| Camera: Apple iPhone 14pro | | Photo #s: one photo attached | |

Land Use in Outfall Drainage Area (Check all that apply):

| | |
|---|---|
| ☐ Industrial | ☑ Open Space |
| ☐ Urban Residential | ☐ Institutional |
| ☐ Suburban Residential | Other: _____ |
| ☑ Commercial | Known Industries: _____ |

Notes (e.g.., origin of outfall, if known):

Conveyance of stormwater along Sutton Street and gas station parking lot.

## Section 2: Outfall Description

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| ☑ **Closed Pipe** | ☑ RCP ☐ CMP<br>☐ PVC ☐ HDPE<br>☐ Steel<br>☐ Other: _____ | ☑ Circular<br>☐ Elliptical<br>☐ Box<br>☐ Other: _____ | ☑ Single<br>☐ Double<br>☐ Triple<br>☐ Other: _____ | Diameter/Dimensions:<br>15" | In Water:<br>☑ No<br>☐ Partially<br>☐ Fully<br>With Sediment:<br>☐ No<br>☑ Partially<br>☐ Fully |
| ☐ **Open drainage** | ☐ Concrete<br>☐ Earthen<br>☐ Rip-rap<br>☐ Other: _____ | ☐ Trapezoid<br>☐ Parabolic<br>☐ Other: _____ | | Depth: _____<br>Top Width: _____<br>Bottom Width: _____ | |
| ☐ **In-Stream** | **(applicable when collecting samples)** | | | | |
| **Flow Present?** | ☐ Yes ☑ No | ***If No, Skip to Section 5*** | | | |
| **Flow Description (If present)** | ☐ Trickle ☐ Moderate ☐ Substantial | | | | |

## Section 3: Quantitative Characterization

| FIELD DATA FOR FLOWING OUTFALLS | | | | |
|---|---|---|---|---|
| **PARAMETER** | | **RESULT** | **UNIT** | **EQUIPMENT** |
| ☐Flow Method #1 | Volume | | Liter | Bottle |
| | Time to fill | | Seconds | Stop watch |
| ☐Flow Method #2 | Flow depth | | Inches | Tape measure |
| | Flow width | _____' _____" | Ft, In | Tape measure |
| | Measured length | _____' _____" | Ft, In | Tape measure |
| | Time of travel | | Seconds | Stop watch |
| Temperature | | | °F | Thermometer |
| pH | | | pH Standard Units | Test strip / probe |
| Ammonia | | | mg/L | Test strip |

# OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET (CONTINUED)

## Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

| INDICATOR | CHECK if Present | DESCRIPTION | RELATIVE SEVERITY INDEX (1-3) | | |
|---|---|---|---|---|---|
| Odor | ☐ | ☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other: | ☐ 1 – Faint | ☐ 2 – Easily detected | ☐ 3 – Noticeable from a distance |
| Color | ☐ | ☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other: | ☐ 1 – Faint colors in sample bottle | ☐ 2 – Clearly visible in sample bottle | ☐ 3 – Clearly visible in outfall flow |
| Turbidity | ☐ | See severity | ☐ 1 – Slight cloudiness | ☐ 2 – Cloudy | ☐ 3 – Opaque |
| Floatables -Does Not Include Trash!! | ☐ | ☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other: | ☐ 1 – Few/slight; Origin not obvious | ☐ 2 – Some; Indications of origin (e.g., possible suds or oil sheen) | ☐ 3 – Some; Origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials) |

## Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☑ No *(If No, Skip to Section 6)*

| INDICATOR | CHECK if Present | DESCRIPTION | COMMENTS |
|---|---|---|---|
| Outfall Damage | ☐ | ☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion | |
| Deposits/Stains | ☐ | ☐ Oil ☐ Flow Line ☐ Paint ☐ Other: | |
| Abnormal Vegetation | ☐ | ☐ Excessive ☐ Inhibited | |
| Poor pool quality | ☐ | ☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: | |
| Pipe benthic growth | ☐ | ☐ Brown ☐ Orange ☐ Green ☐ Other: | |

## Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

## Section 7: Data Collection

| | | | | |
|---|---|---|---|---|
| 1. | Sample for the lab? | ☐ Yes | ☑ No | If Yes, what time was the sample collected? |
| 2. | If yes, collected from: | ☐ Flow | ☐ Pool | |
| 3. | Intermittent flow trap set? | ☐ Yes | ☑ No | If Yes, type: ☐ OBM ☐ Caulk dam |

## Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

Outfall was full of trash and debris.

Date: 3/12/2025

Photographer: EJK

| | |
|---|---|
| **Receiving Water Body / Orientation** | U.T. to Big Wills Creek / facing southwest |
| **Remarks** | View of outfall Z1-015. |

# OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

## Section 1: Background Data

| | | | |
|---|---|---|---|
| Drainage Basin: Drainage Zone 1 | | Outfall ID: Z1-100 | |
| Today's Date: 3/19/2025 | | Time (Military): 0929 | |
| Investigators: E. Kennedy and J. Jayroe | | Form completed by: E. Kennedy | |
| Temperature (°F): 54 | Rainfall (in.): Last 24 hours: 0 | Last 48 hours: 0 | |
| Latitude: 33.956394 | Longitude: -86.045454 | GPS Unit: Trimble Geo 7X | GPS LMK #: NA |
| Camera: Apple iPhone 14pro | | Photo #s: one photo attached | |

Land Use in Outfall Drainage Area (Check all that apply):

| | |
|---|---|
| ☐ Industrial | ☐ Open Space |
| ☐ Urban Residential | ☐ Institutional |
| ☐ Suburban Residential | Other: _____ |
| ☑ Commercial | Known Industries: _____ |

Notes (e.g.., origin of outfall, if known):

Conveyance of stormwater from Carwash.

## Section 2: Outfall Description

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| ☐ **Closed Pipe** | ☐ RCP ☐ CMP<br>☐ PVC ☐ HDPE<br>☐ Steel<br>☐ Other: _____ | ☐ Circular<br>☐ Elliptical<br>☐ Box<br>☐ Other: _____ | ☐ Single<br>☐ Double<br>☐ Triple<br>☐ Other: _____ | Diameter/Dimensions: _____ | In Water: ☐ No ☐ Partially ☐ Fully<br>With Sediment: ☐ No ☐ Partially ☐ Fully |
| ☑ **Open drainage** | ☐ Concrete<br>☑ Earthen<br>☐ Rip-rap<br>☐ Other: _____ | ☐ Trapezoid<br>☑ Parabolic<br>☐ Other: _____ | | Depth: 15"<br>Top Width: 38"<br>Bottom Width: _____ | |
| ☐ **In-Stream** | **(applicable when collecting samples)** | | | | |
| **Flow Present?** | ☒ Yes ☐ No ***If No, Skip to Section 5*** | | | | |
| **Flow Description (If present)** | ☐ Trickle ☑ Moderate ☐ Substantial | | | | |

## Section 3: Quantitative Characterization

| FIELD DATA FOR FLOWING OUTFALLS | | | | |
|---|---|---|---|---|
| **PARAMETER** | | **RESULT** | **UNIT** | **EQUIPMENT** |
| ☐Flow Method #1 | Volume | 3 | Liter | Bottle |
| | Time to fill | 10 | Seconds | Stop watch |
| ☐Flow Method #2 | Flow depth | | Inches | Tape measure |
| | Flow width | ____' ____" | Ft, In | Tape measure |
| | Measured length | ____' ____" | Ft, In | Tape measure |
| | Time of travel | | Seconds | Stop watch |
| Temperature | | 57 | °F | Thermometer |
| pH | | 7.62 | pH Standard Units | Test strip / probe |
| Ammonia | | 0 | mg/L | Test strip |

# OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET (CONTINUED)

## Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☑ No (***If No, Skip to Section 5)***

| INDICATOR | CHECK if Present | DESCRIPTION | RELATIVE SEVERITY INDEX (1-3) | | |
|---|---|---|---|---|---|
| Odor | ☐ | ☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other: | ☐ 1 – Faint | ☐ 2 – Easily detected | ☐ 3 – Noticeable from a distance |
| Color | ☐ | ☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other: | ☐ 1 – Faint colors in sample bottle | ☐ 2 – Clearly visible in sample bottle | ☐ 3 – Clearly visible in outfall flow |
| Turbidity | ☐ | See severity | ☐ 1 – Slight cloudiness | ☐ 2 – Cloudy | ☐ 3 – Opaque |
| Floatables -Does Not Include Trash!! | ☐ | ☐ Sewage (toilet paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other: | ☐ 1 – Few/slight; Origin not obvious | ☐ 2 – Some; Indications of origin (e.g., possible suds or oil sheen) | ☐ 3 – Some; Origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials) |

## Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☑ No (***If No, Skip to Section 6)***

| INDICATOR | CHECK if Present | DESCRIPTION | COMMENTS |
|---|---|---|---|
| Outfall Damage | ☐ | ☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion | |
| Deposits/Stains | ☐ | ☐ Oil ☐ Flow Line ☐ Paint ☐ Other: | |
| Abnormal Vegetation | ☐ | ☐ Excessive ☐ Inhibited | |
| Poor pool quality | ☐ | ☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: | |
| Pipe benthic growth | ☐ | ☐ Brown ☐ Orange ☐ Green ☐ Other: | |

## Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

## Section 7: Data Collection

| | | | | |
|---|---|---|---|---|
| 1. | Sample for the lab? | ☐ Yes | ☑ No | If Yes, what time was the sample collected? |
| 2. | If yes, collected from: | ☐ Flow | ☐ Pool | |
| 3. | Intermittent flow trap set? | ☐ Yes | ☑ No | If Yes, type: ☐ OBM ☐ Caulk dam |

## Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

Erosion

Date: 3/19/2025

Photographer: EJK

| | |
|---|---|
| **Receiving Water Body / Orientation** | Unnamed Tributary to Horton Creek / facing east |
| **Remarks** | View of outfall Z1-100. |

# RAINBOW CITY
## MS4 ANNUAL AWARENESS TRAINING
MARCH 18, 2025

| | PRINT NAME | SIGNATURE |
|---|---|---|
| 1 | Joel Gorman | |
| 2 | Michael Stevens | |
| 3 | Cody Lasseter | |
| 4 | ~~Alaina~~ John Jayroe | |
| 5 | Mark Echols | |
| 6 | Roberto Ivers | |
| 7 | | |
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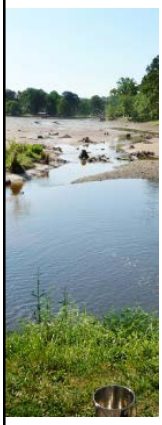
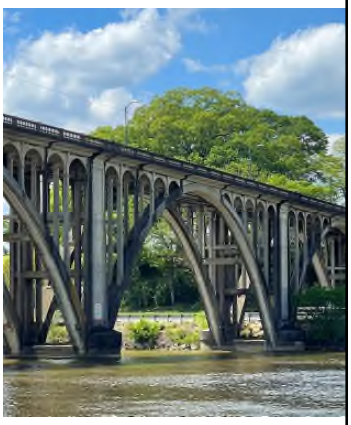


# MS4 Annual Awareness Training

**Attalla MS4**
**Glencoe MS4**
**Hokes Bluff MS4**
**Rainbow City MS4**
**Southside MS4**

**Sarah L. Yeldell, PE**
**S&ME, Inc.**



1

# MS4 Background

2

# What is an MS4?

- **M**unicipal **S**eparate **S**torm **S**ewer **S**ystem
- An MS4 is a system of conveyances that is:
  - Owned by a state, city, or other public entity
  - Designed or used to collect or convey storm water
  - Not a combined sewer
  - Not part of a Publicly Owned Treatment Works



3

# Why does the MS4 program exist?

- National Pollutant Discharge Elimination System (NPDES)
- Storm Water Phase II Final Rule issued by the USEPA in 1999
- Municipal conveyances collect pollutants from users within the city
- Cities have the ability to regulate at the local level
- Addresses pollutants at their source

4

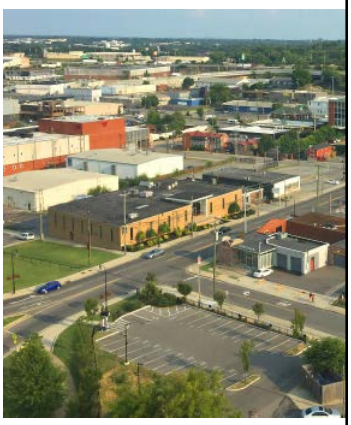
## Common MS4 Pollutants

- Oil and grease from roadways
- Pesticides and fertilizers from lawns
- Sediment from construction sites
- Trash (cigarette butts, paper wrappers, plastic bottles)

5

MS4

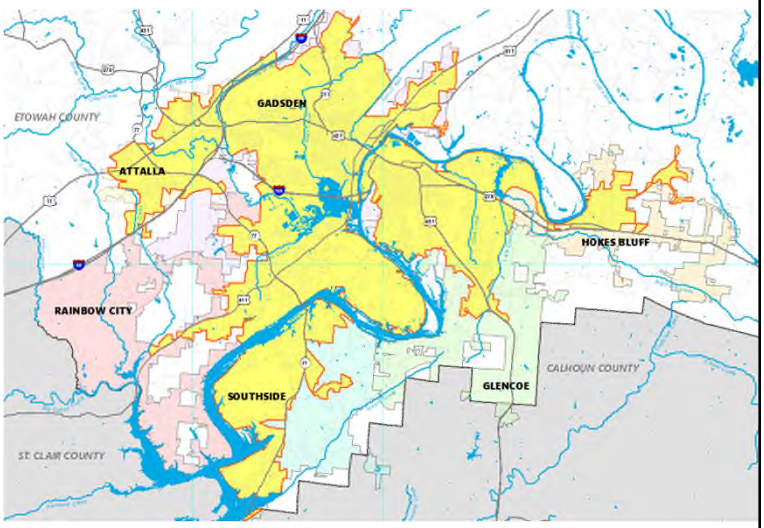
## Urbanized Area



6

# 2010 Urbanized Area Definition

- Defined by the US Census Bureau
- **Urbanized area**
  Minimum population of 50,000
- **Core blocks**
  1,000 people/sq mi
- **Surrounding blocks**
  500 people/sq mi
- 497 Urbanized Areas in 2010 Census

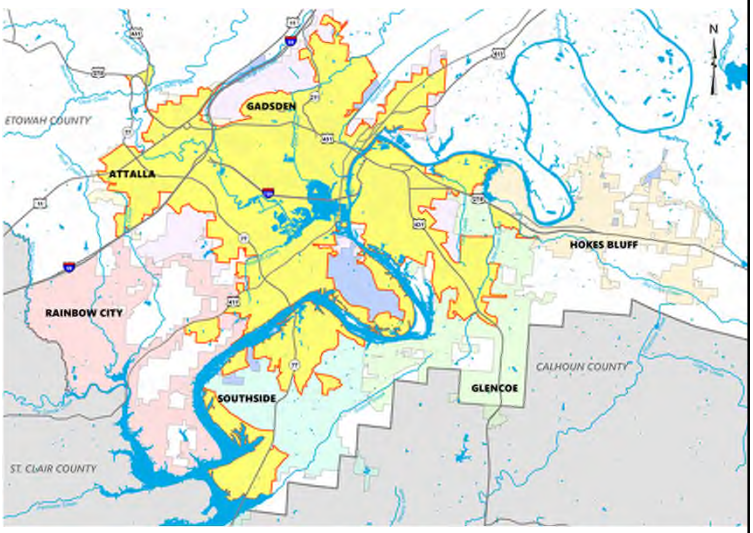





7

# 2020 Census Changes

- **Urban area**
  Minimum population of 5,000 or 2,000 HUs
- **High-density nucleus**
  1,275 HUs/sq mi
- **Initial urban core**
  425 HUs/sq mi
- **Remainder of urban area**
  200 HUs/sq mi
- 2,613 urban areas in 2020 census






8

# Final Phase II Rule Clarification

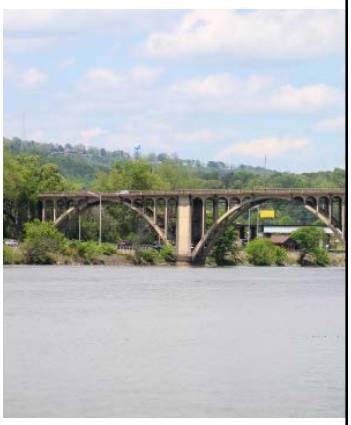
- New urban area maps released in December 2022
- Significant differences in boundaries from 2010 maps
- EPA signed the *NPDES Small MS4 Urbanized Area Clarification* on June 7, 2023
- Replaces the term ‘‘urbanized area’’ with the phrase ‘‘urban areas with a population of at least 50,000’’
- Does not address the issue of map changes
- **ADEM is still relying on the 2010 maps**



9

MS4

# Impaired Waterbodies



10

# Impaired Waterbodies

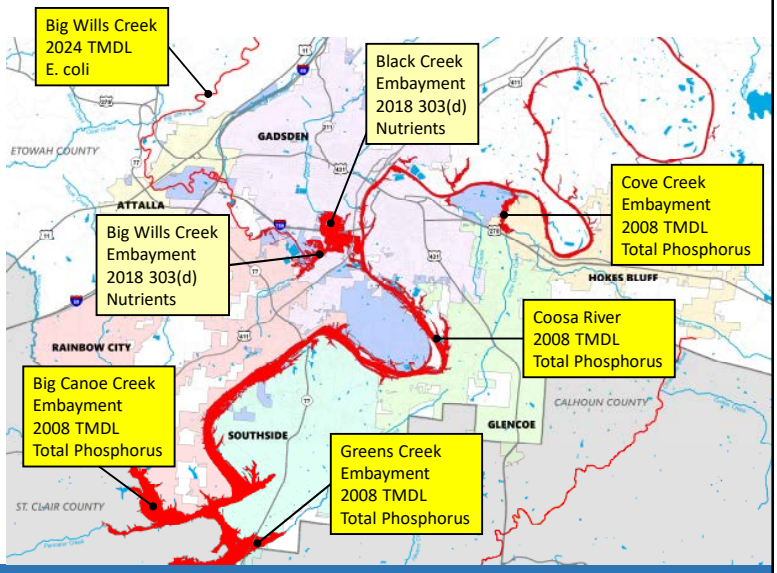
- "**Impaired**" means the waterbody cannot be used for its designated purpose
- "**303(d)**" is a list published every two years identifying impaired waters
- "**Total Maximum Daily Load**" is the maximum amount of a pollutant that a body of water can receive while still meeting water quality standards



11

# Impaired Waterbodies

- Neely Henry Lake/ Coosa River
- Big Wills Creek
- Embayments:
  - Big Wills Creek
  - Black Creek
  - Big Canoe Creek
  - Cove Creek
  - Greens Creek






12

# Neely Henry Impairments

- Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4
- Neely Henry Lake first identified on the **1996 303(d) list** as being impaired
- Black Creek and Big Wills Creek embayments added to **2018 303(d) list**



13

# Neely Henry Impairments

- Nutrients
- pH
- Organic Enrichment
- Priority Organics (PCBs)

14

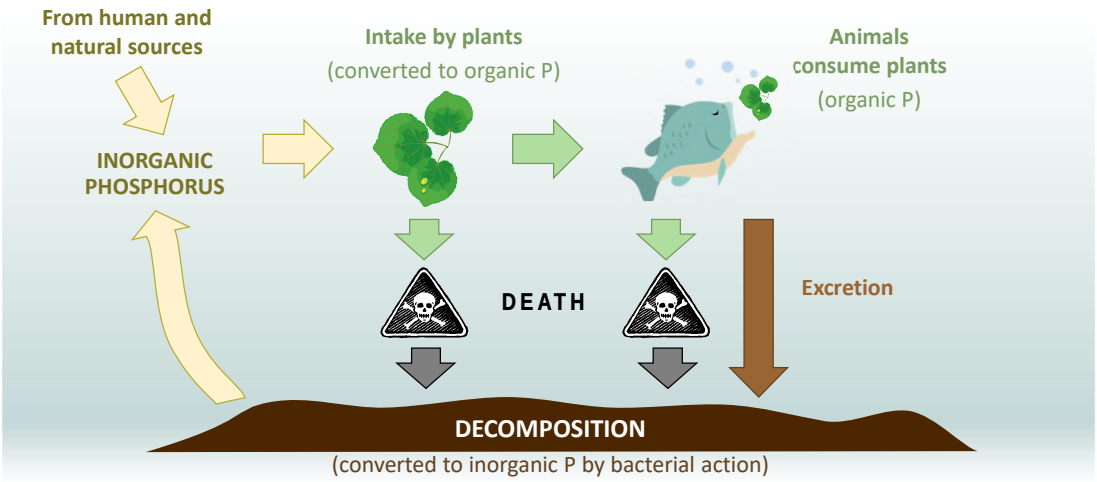
# Neely Henry Total Maximum Daily Load

- TMDL established in 2008 for Nutrients and Dissolved Oxygen
- Specific distribution of discharges unknown
- How much from existing non-point sources?
- How much from MS4?
- Each MS4 in the urbanized area is required to achieve a **30% reduction in Total Phosphorus** discharge loading.



15

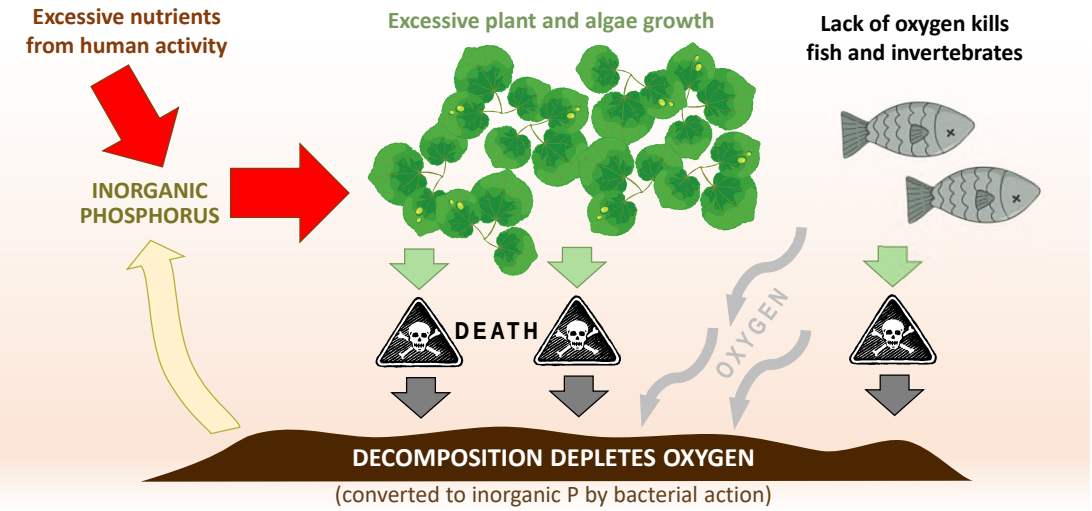
# Aquatic Phosphorus Cycle






16

# Eutrophication






17

# Sources of Phosphorus

- Construction runoff
- Lawn fertilizer
- Industrial sources
- Sanitary sewer overflows
- Failing septic systems
- Failing sewer infrastructure
- Cropland and pasture

18

# Big Wills Creek Impairments

- Receives storm water from Attalla, Gadsden, and Rainbow City
- Big Wills Creek first identified on the **2018 303(d) list** as being impaired for pathogens
- Public health impacts
- E. coli can cause illness in people exposed to contaminated storm water



19

# Big Wills Creek Total Maximum Daily Load

- TMDL established in August 2024 for E. coli
- Only applies to MS4s discharging to Big Wills Creek
- The Attalla MS4, Gadsden MS4, and Etowah County MS4 are each required to achieve a **96% reduction in E. coli** discharge loading.



20

# Pathogen Impacts

- Public health impacts
- E. coli can cause illness in people exposed to contaminated storm water
- Common symptoms include fever, vomiting, and diarrhea
- Elderly people and children are most vulnerable

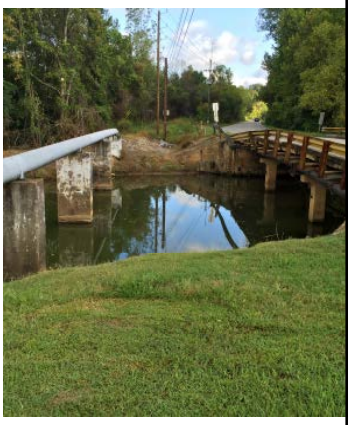
21

# Sources of Pathogens

- Animal feeding operations
- Pasture grazing
- Collection system failure:
  - Failing septic systems
  - Sanitary sewer overflows
  - Aging sewer infrastructure

22

# MS4 Implementation



23

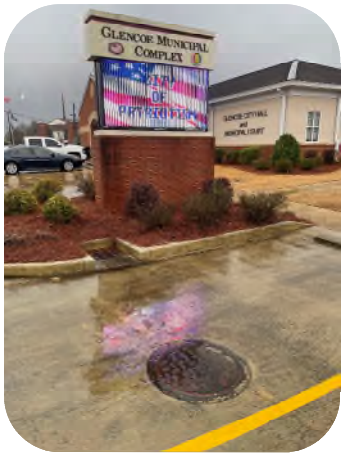
## SWMPP

- Storm Water Management Program Plan
- Required by Part III of the Phase II General Permit
- Details the steps the permittee will take to implement the permit requirements
- SWMPPs revised in **February 2025**

24

# 5 Minimum Control Measures

1. Public Education, Outreach, Participation, and Involvement
2. **Illicit Discharge Detection and Elimination**
3. Construction Site Runoff Control
4. Post Construction Runoff Control
5. **Pollution Prevention/Good Housekeeping for Municipal Operations**






25

# Required Municipal Training

- Pollution prevention
- Petroleum and chemical storage
- Waste management
- Illicit discharge identification
- Common illicit discharges
- Standard Operating Procedures

26

MS4

# Pollution Prevention

27

## Standard Operating Procedures

- Written SOPs are required by the MS4 permit
- Must detail good housekeeping practices for municipal facilities and operations
- Assess facilities and activities to determine pollution potential
- SOPs must be reviewed annually and updated if needed



28

# Vehicle Washing

29

## Pollutants from Vehicle Washing

- Pollutants include detergents, oils, grease, grit, and heavy metals
- Soap can harm fish and other aquatic life
- Phosphates in detergent can contribute to algae blooms
- As the algae decays, the process uses up oxygen, killing fish

30

# Control Vehicle Washing Discharges

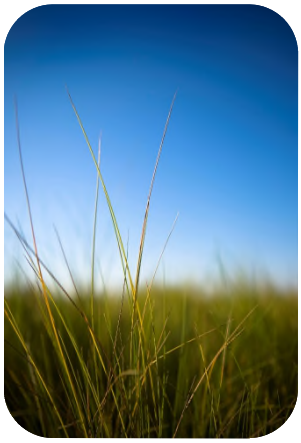
- Only wash vehicles in designated areas
- **Do not direct the wash water to a storm sewer or waterbody!**
- Sanitary sewer is the best method of wash water disposal
- Commercial car washes have pre-treatment and sanitary sewer connections
- Commercial facilities use less water



31

# Control Vehicle Washing Discharges

- If no sanitary connection is available, wash vehicles on grass or gravel
- If washing must take place on pavement, direct flows to grassed areas
- Infiltration will help remove pollutants
- **Do not wash undercarriage**





32

# Inlet Protection – Filter Booms

- Placed in front of a curb inlet or around a grate inlet to intercept flows
- Oil sorbent
- Sufficient capacity to retain grit and sediment from a minimum of one week's washing activity

Image Credit: New Pig Corporation



33

# Filter Boom Maintenance

- Inspect booms prior to washing and at least once per week.
- Remove grit and sediment when accumulations reach 50% of the height of the roll.
- Dispose of the removed material in the trash.
- Oil sorbent booms will be replaced when saturated or according to the manufacture's recommendations.



34

# Inlet Protection – Inlet Bags or Skimmers

- Placed inside an inlet catch basin to capture pollutants
- Oil sorbent
- Sufficient capacity to retain grit and sediment from a minimum of one week's washing activity

Image Credit: Dandy

Image Credit: BMP Supplies



35

# Inlet Bag or Skimmer Maintenance

- Inspect catch basin BMPs prior to washing and at least once per week.
- Remove grit and sediment when accumulations reach 50% of the capacity of the inlet bag.
- Dispose of the removed material in the trash.
- Oil sorbent bags or skimmers will be replaced when saturated or according to the manufacture's recommendations.



36

# “Eco-friendly” Cleaners

- **Biodegradable** soaps break down quicker
- **Phosphate-free** soaps don’t contain phosphorus compounds
- Doesn’t help with the solids and oils washed off the vehicle
- Still need to direct flows to grass

37

# Paint and Paint Waste

38

## Pollutants from Paint and Paint Waste

- Water-based paints contain solid pigments that increase turbidity
- Water-based paints may also contain surfactants and thickeners
- Oil-based paint contains petroleum distillates and organic solvents
- Some paints may contain heavy metals
- Organic solvents used to clean oil-based paint from brushes and equipment are toxic



39

## Paint and Paint Waste Storage

- Store paint and paint waste **indoors**, away from storm water
- Paint and paint waste containers should remain closed when not in use
- Clearly label containers to avoid confusion

40

# Equipment Cleaning

- Water-based paint brushes and equipment may be washed in a sink discharging to the sanitary sewer
- Oil-based paints and cleaning solvents must be containerized for disposal
- Never rinse brushes or paint containers into the street, gutter, or storm drain

41

# Petroleum Management

42

# Petroleum Pollutants

- Oil contains toxic components such as benzene
- Used oil can contain heavy metals
- One gallon of gasoline can contaminate approximately 750,000 gallons of water
- Oil poured down the drain can damage the wastewater treatment plant

43

# Petroleum Storage

- Spill containment dikes must contain **110%** of the capacity of the **largest tank**
- Must be impervious construction
- Not concrete block, unless sealed or lined
- Concrete curbs are also protective for small spills
- Storm water must be inspected prior to discharge



44

# Used Oil Management

- Must be sent for recycling
- EPA ID numbers are required for facilities generating more than **25 gallons** of used oil per month
- Store used oil indoors
- Store used oil away from doors and aisles
- Use **closed containers**
- Clearly label used oil containers

45

# Equipment Storage

- Store equipment under roof if possible
- Inspect floor or ground for staining
- Keep driving paths clear
- Move chemicals and oil away from doors or openings



46

# Vehicle Maintenance

- Inspect parking areas for leaks or spills
- Identify leaking vehicles
- Repair vehicles promptly
- Clean up spills

47

# Fueling Operations

- Spills can occur during fueling
- Do not “top off”
- Stay with vehicle while fueling
- Clean up any drips or spills
- Carry spill kits on municipal vehicles

48

# Fueling Area Inspections

- Look for evidence of small spills
- Inspect pump and piping
- **Staining** on the pavement or gravel
- Physical **damage or deterioration**
- Leaks or drips
- Cracking or abnormal wear

49

# Spill Clean Up

- **Do NOT use water to wash away spills**
- Use absorbent materials
- Dispose of materials properly when finished cleaning
- Under 25 gallons, no free liquids, can go to a lined landfill



50

# Spill Reporting

- Reportable quantity for the release of oil into the environment, excluding water, is an amount of **25 gallons or more**
- **Any release of oil into water must be reported**
- During normal office hours:
  ADEM Birmingham Field Office
  205-942-6168
- After hours:
  Alabama State Warning Point
  1-800-843-0699



51

# Scrap Tire Management

52

# Scrap Tire Management

- Government operations that generate **10 or more scrap tires** per year are Class Two Receivers
- Existing receivers had to re-register by February 9, 2025
- Renew registration every 3 years
- Semi-annual reporting by July 28 and January 28
- Maintain an operating record



53

# Scrap Tire Outdoor Storage

- Storage **limit of 300** scrap tires total (indoor or outdoor)
- No scrap tires may be exposed to the elements for more than **30 days**
- If exposed more than 7 days, receiver must have a **Vector Control Plan**
- Written plan must be approved by ADEM

54

# Scrap Tire Outdoor Storage

- Limits on pile size
- Do not store tires in the 100-year floodplain
- Do not store tires **within 200 feet** of a waterbody or wetland
- Provide a 100-foot fire lane around piles
- Space piles 50 feet apart

55

# Scrap Tire Emergency Planning

- Arrange for fire protection
- Submit documentation of fire arrangements to ADEM
- Prepare an Emergency Response Plan
- Construct a berm around tire piles to detain runoff from a tire fire
- No open flames within 25 feet of a tire pile

56

# PHF Management

57

## Fertilizers

- Fertilizers contain phosphorus or nitrogen
- Fertilizers contribute to dense vegetation growth in waterbodies (eutrophication)
- Decomposition of vegetation uses oxygen
- Lack of oxygen in waterbodies can kill fish and invertebrates

58

# Pesticides

- Pesticides are used to address adult mosquitos, mosquito larvae, wasps, bees, fire ants, and rats
- Pesticides can be harmful to aquatic life and can contaminate drinking water

59

# Pesticides

- Pyrethroids are synthetic insecticides
- Found in products for ant control; home lawn, garden, and landscape care; and structural pest control
- Found in mosquito control products
- Toxic to invertebrates and fish
- Highly toxic to bees

60

# Herbicides

- Herbicides used to prevent regrowth in ditches
- Herbicides used in cemeteries and parks
- Aquatic herbicides used to control algae growth
- Herbicides can be toxic to fish and other aquatic life

61

# ADEM PHF Permit Use Thresholds

- **Mosquitos:** 6,400 acres of treatment area
- **Weed and Algae:** 100 surface acres of water or 100 linear miles at water's edge
- **Animal Pest Control:** 100 surface acres of water or 100 linear miles at water's edge
- **Forest Canopy:** 6,400 acres of treatment area
- Permit is not required if application is below the use threshold



62

# PHF Usage Best Practices

- Don’t over-apply
- Check the weather - **don’t spray before a rain event**
- Follow manufacture’s recommendations for water setbacks
- Transfer or pour chemicals indoors, over impervious surfaces



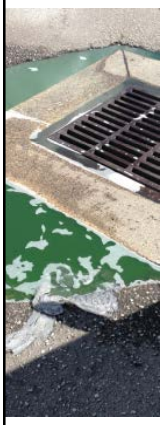
63

# PHF Storage and Disposal Best Practices

- Inspect storage areas of leaks or spills
- Containers must be labeled
- Dispose of damaged containers
- Keep containers closed when not in use
- Dispose of old, unusable, or obsolete chemicals
- Don’t dump grass clippings into storm drains or waterways



64



# MS4 Illicit Discharges

65

## What Are Illicit Discharges?

- Not authorized by NPDES permit
- Not authorized by ordinance
- Three types:
  - Continuous – constant flow
  - Intermittent – off and on
  - Transitory – one and done

66

# Common Illicit Discharges

- Sewage – leaking or overflow
- Illegal dumping into storm drains
- Construction sites – paint, oil, sediment
- Unpermitted industrial discharges
- Swimming pools – chlorinated or saltwater



67

# Signs of an Illicit Discharge

- Staining at inlets or in culverts
- Dry-weather flow
- Odor
- Sheen
- Foam

68

# Illicit Discharge Detection

- **Outfall Reconnaissance Inventory**
- Visually inspect outfalls
- Record observations
- Perform field screening
- Collect samples

69

# Illicit Discharge Reporting and Tracking

- Public reporting
- Municipal employee reporting
- Report must include location, date, time, and a brief description at a minimum
- Track reports in GIS or on map as part of outfall screening program



70

# Illicit Discharge Elimination

- Trace sources using the storm system map and field inspection
- Pursue compliance
- Report unpermitted facilities to ADEM
- Fix leaks as soon as possible
- Public education
- Community collection days

71

MS4

## Recognizing Illicit

72

# Oil or Fuels

- **Color:** Rainbow sheen floating on top of water surface; water may be gray or milky
- Dark staining of surrounding surfaces may be present
- When disturbed, sheen will swirl together
- **Odor:** May have strong petroleum or gasoline smell
- **Turbidity and Floatables:** Oil sheen, red, brown, black streaks



73

# Oil or Fuels

74

# Oil or Fuels

75

# Oil or Fuels

76

# Oil or Fuels

77

# Sewage

- **Color:** Gray
- **Odor:** Strong sewage smell, sulfur, fecal matter
- **Turbidity and Floatables:** Foam, bubbles, fecal solids, food wastes, toilet paper, etc.

**Report observed SSOs**



78

# Sewage

79

# Sewage

80

# Sewage

81

# Sewage

82

# Sediment

- **Color:** Orange, yellow, red, chocolate milk
- **Odor:** None
- **Turbidity and Floatables:** Typically find deposits settled to bottom, water can be very turbid, may not be able to see bottom of stream



83

# Sediment

84

# Sediment

85

# Sediment

86

# Sediment

87

# Sediment

88

## Soaps and Detergents

- **Color:** Milky white, grey, cloudy
- **Odor:** Fragrance like laundry detergent or soap, or none at all
- **Turbidity and Floatables:** Bubbles, foam, highly turbid



89

## Soaps and Detergents

90

# Soaps and Detergents

91

# Soaps and Detergents

92

# Swimming Pool Discharges

- Swimming pool discharges are authorized, provided they are:
  - pH neutral
  - Dechlorinated (less than 1 ppm of chlorine)
- Best practice is to discharge the pool water over a grassed surface to infiltrate
- Saltwater swimming pools should be discharged to the sanitary sewer **with prior approval** from the utility



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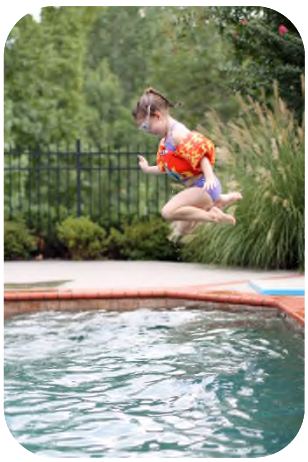
# Swimming Pool Discharges

- **Color:** None
- **Odor:** Chlorine or none at all
- **Turbidity and Floatables:** None
- Swimming pool discharges are distinguishable by location
- An observed swimming pool discharge should be reported





94

## Iron Bacteria

### Not an illicit discharge!

- **Color:** Red, reddish-orange, slimy, fuzzy
- **Odor:** Rotten, swampy, or none at all
- **Turbidity and Floatables:** Oily sheen that breaks apart when disturbed, "crumbs" settled on the bottom



95

## Iron Bacteria

- The red or orange deposits are caused by bacteria that feed on dissolved iron
- The bacteria colonize the transition zone where deoxygenated water flows into oxygenated water
- The iron-oxide deposits settle to the bottom or remain suspended in the slime
- Iron bacteria are naturally-occurring and not harmful



96

# Iron Bacteria

97

# Iron Bacteria

98

# Iron Bacteria

99

# Iron Bacteria

100

# Iron Bacteria

101

# Illicit Discharge Reporting

- Observed illicit discharges should be immediately reported to your supervisor
- Supervisors should report to one of the following:

| City | Report To | Phone | Email |
|---|---|---|---|
| Attalla | Jason Nicholson | 256-441-9200 | jnicholson@attallacity.org |
| Glencoe | Todd Means | 256-492-1424 x 5 | toddmeans@cityofglencoe.org |
| Hokes Bluff | Lisa Lowman | 256-492-2414 x 6 | lisa.lowman@cityofhokesbluff.com |
| Rainbow City | Joel Garmon | 256-413-1230 | jgarmon@rbcalabama.com |
| Southside | Judd Rich | 256-442-9775 x 131 | juddrich@cityofsouthside.com |



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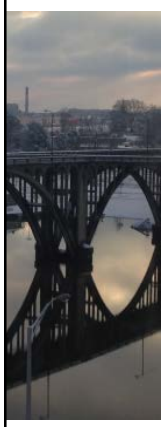
# Illicit Discharge Reporting

- The report should contain the following information:
  - Date
  - Time
  - Location
  - Observed characteristics (e.g., odor, color, sheen, etc.)
- You are **NOT** required to investigate
- Just report what you observed



103



MS4

Questions?

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# Appendix F – Construction Site Storm Water Runoff

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 83° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**Have items noted on last inspection been corrected?** _____ **YES** _____ **NO**

**If No Explain:** _____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**4/16/2024** — **Date Of Inspection**

*John D. Jayroe* — **Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 80° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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| | | |
| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**5/3/2024**
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 78° Mostly Cloudy

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**6/4/2024** — **Date Of Inspection**

*John D. Jayroe* — **Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 85° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**7/1/2024**
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 89° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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| | | |
| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**8/2/2024** — **Date Of Inspection**

*John D. Jayroe* — **Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 77° Mostly Cloudy

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**9/3/2024** — **Date Of Inspection**

*John D. Jayroe* — **Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 78° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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| | | |
| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**10/3/2024**
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 71° Partly Cloudy

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**11/1/2024**
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 49° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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| | | |
| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**12/2/2024**
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 48° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
| | | |
| | | |
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| | | |
| | | |
| | | |
| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**1/2/2025** — **Date Of Inspection**

*John D. Jayroe* — **Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 54° Sunny

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**2/3/2025**
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Barone's Pizza & Arcade

**ADEM Permit #** ALR10C3PP **Weather** 72° Partly Cloudy

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
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**Have items noted on last inspection been corrected?** ____ **YES** ____ **NO**

**If No Explain:** ____

**Note:** **Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.**

**3/4/2025** — **Date Of Inspection**

*John D. Jayroe* — **Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

Qualified Credentialed Inspector

**John Jayroe**

**City of Rainbow City**

QCI No. T7970

3700 Rainbow Drive
Rainbow City, AL 35906
(256) 504-1595
jjayroe@rbcalabama.com

Expiration Date: 08-04-2025
Initial Training: 08-04-2023
Most Recent Annual Update:
06-21-2024

## QCI Important Information

- Initial training and annual refresher training must be obtained from the same training provider or a recognized reciprocal partner.
- QCIs must recertify if they change employers or if their training provider is no longer certified.
- For more information about QCI training, including class dates and locations, call 251.666.2443 or visit training.thompsonengineering.com.

thompson

# SITE PLAN CHECKLIST

DEVELOPMENT: _____

_____

APPLICANT _____

DATE _____

GRAPHIC INFORMATION

VICINTY MAP _____

NORTH ARROW, SCALE, DATE_____

LOCATION OF STRUCTURES_____

FLOOD PLAINS_____

WETLANDS & WATERCOURSES_____

STEEP SLOPES_____

REQUIRED BUFFERYARKS_____

LANDSCAPING_____

PARKING_____

CURB CUTS_____

EASTMENTS & RIGHT OF WAYS_____

SIGNS_____

PHASES_____

FINISH FLOOR ELEV._____

UTILITY LINES_____

SOILD WASTE

RECEPTACIES_____

ENGINEERING REQUIREMENTS

RUNOFF CALCULATIONS_____

STORMWATER MANAGEMENT_____

PARKING PLACES (HC)_____

ON SITE FIRE PROTECTION_____

DETAILS_____

SITE TRIANGLE ENTERANCE_____

EROISION CONTROL /BMPs_____

ADEM PERMIT _____

---

# BUILDING CHECK LIST

CODES USES IN DRAWING_____

FOOTING PLAN_____

FLOOR PLAN_____

DETAILS SHEET_____

ELEVATIONS_____

PLUMBING DRAWING_____

MECHANICAL DRAWING_____

ELECTRICAL DRAWING_____

DOES BUILDING REQUIRE SPRINKLERS_____

_____

CONTROL MEASURE 3

STRATEGY 05

Maintain Inventory of Qualifying Construction Sites:

Maintain a list of active qualifying construction sites within the MS4 boundary.

# RBC // S&ME

## 2024-2025 ANNUAL REPORT

Sixteen (16) Active Qualifying Construction Sites. We do not know what sites are considered ‘‘Priority Sites’’. The city will continue to maintain a list of all active qualifying construction sites within the MS4 boundary.

1) Absolute Respiratory Care – covered under Johnsons
2) Apartments on Steele Station – covered under Johnsons
3) Johnsons HQ
4) 360 Hollingsworth Ave
5) Barones Pizza
6) Doc’s Self Storage
7) Ice Station Zebra
8) Rainbow City Industrial #3
9) LaSalle – Thrasher
10) Rainbow City New Recreation Center
11) Southtowne Mini Storage
12) 491 West Grand Ave – Thrasher
13) Wyatt Lee Meadows
14) Challenger Center – Applied For
15) Vera Lane
16) Ice Station Leopard

CONTACT


- jjayore@rbcalabama.com
- www.rbcalabama.com
- (256) 413 - 1240
- Rainbow City, AL 35907

**RAINBOW CITY MS4**
**NPDES-PERMITTED CONSTRUCTION SITE INVENTORY**
**APRIL 1, 2024 - MARCH 31, 2025**

| | PERMIT | SITE NAME | STREET | START DATE | IN MS4? |
|---|---|---|---|---|---|
| 1 | ALR10C0X3 | Hollingsworth Townhomes LLC | 306 Hollingsworth Ave | 6/16/2021 | Y |
| 2 | ALR10C13A | Southtowne Mini Warehouses | 199 Woodland Dr. | 7/16/2021 | Y |
| 3 | ALR10C1HR | Christ Central Church | 491 W Grand Ave | 10/8/2021 | Y |
| 4 | ALR10C29D | Westbrook Christian School Gymnasium | 100 Westminster Drive | 4/27/2022 | Y |
| 5 | ALR10C2D6 | Kensington Gardens | Kensington Lane | 5/24/2022 | Y |
| 6 | ALR10C2GP | Summer Shores | Hwy 411 | 6/15/2022 | N |
| 7 | ALR10C2TN | Montrose Speculative Plaza (Bedwell Station) | 3518 Montrose Ave / 607 W Grand Ave | 08/24/22 | Y |
| 8 | ALR10C37S | Rainbow City Industrial Park #3 | Lumbley Road | 12/2/2022 | N |
| 9 | ALR10C3J2 | Morgan Crossing Subdivision (Dunkin Donuts) | 3352 Rainbow Drive | 03/01/23 | Y |
| 10 | ALR10C3JT | Proposed Vehicle/Auto Storage | 1305 West Grand Avenue | 3/6/2023 | N |
| 11 | ALR10C3PP | Bar 1 (Barrone's Pizza & Arcade) | 214 East Grand Ave | 04/11/23 | Y |
| 12 | ALR10C41Z | Sutton Bridge Storage | 1951-1923 Sutton Bridge Rd | 07/12/23 | Y |
| 13 | ALR10C4BB | BASCO - Steele Station (Johnsons Development) | Steele Station Road | 09/18/23 | Y |
| 14 | ALR10C4BW | Wyatt Lee Meadows | 800 W Grand Ave | 09/21/23 | Y |
| 15 | ALR10C516 | Westminster | Westminster Dr | 03/11/24 | Y |
| 16 | ALR10C55L | Cobblestone Cottages | 506 Lasalle Street | 04/15/24 | Y |
| 17 | ALR10C564 | Fast Pace Urgent Care - Rainbow City | Silvey Street | 04/17/24 | Y |
| 18 | ALR10C597 | Ice Station Zebra | 339-401 Woodland Dr | 05/22/24 | Y |
| 19 | ALR10C3YJ | Etowah County Little Canoe Creek Water Transmission | Along Canoe Creek Road | 6/10/2024 | N |
| 20 | ALR10C5JX | Rainbow City Rec Center | 238 Lumley Rd | 7/29/2024 | Y |
| 21 | ALR10C5UR | Ice Station Leopard | Greenview Ave | 10/9/2024 | Y |
| 22 | ALR10C62E | Sutton Bridge Road Development | Sutton Bridge Road | 12/4/2024 | Y |

# Appendix G – Post-Construction Storm Water Management

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** Dunkin Donuts - 3352 Rainbow Drive

**Weather** 76° - Mostly Cloudy

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | ✓ | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
| | | |
| | | |
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| | | |
| | | |
| | | |
| | | |

**Have items noted on last inspection been corrected?** _____ YES _____ NO

**If No Explain:** Final Stabilization

**Note:** Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.

6/3/2024
**Date Of Inspection**

*John D. Jayroe*
**Inspector Signature**

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# Rainbow City Erosion & Sediment Control Inspection Report Form

**Project Name And Location** 607 West Grand Ave. - Anita Bedwell

**Weather** 74° - Cloudy

**BMP Checklist**

| | | | |
|---|---|---|---|
| | Inlet Barrier (ie: Gravel Bags) | | Stream Crossings |
| ✓ | Sediment Barriers (ie: Ditch Checks) | ✓ | Temporary or Final Stabilization |
| ✓ | Perimeter Control | ✓ | Sediment Basin |
| ✓ | Stabilized Construction Entrance | ✓ | General Site Condition (Trash, etc) |

**Noncompliance**

| BMP | Location | Reason For Noncompliance |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**Have items noted on last inspection been corrected?** _____ YES _____ NO

**If No Explain:** Final Stabilization

**Note:** Inspection comments above indicate deficiencies only. Deficiencies must be corrected within 5 days. All other BMP's on site are considered to be in good working condition.

6/3/2024
Date Of Inspection

*John D. Jayroe*
Inspector Signature

**6 GOALS**

**No Sediment Leaves The Site - Lines Of Defense Everywhere & Always - Cover Quickly - Protect The Swale, Ditch, & Channel - Keep Clean Water Clean - Inspect, Clean, & Fix**

# STORMWATER FACILITY
# MAINTENANCE AGREEMENT

THIS AGREEMENT, made and entered into this day of _____, _____, by and between _____, acting by and through _____, hereinafter referred to as "Landowner", and the City of Rainbow City, AL, hereinafter referred to as "City".

WITNESSETH

WHEREAS, the Landowner is the owner of certain real property described as an approximately _____ acre tract located in the City of Rainbow City, Alabama, according to the deed recorded as document number _____, Deed Records, Etowah County, Alabama, hereinafter called the "Property".

WHEREAS, the Landowner is proceeding to build on and develop the Property according to the Site Plan/Subdivision Plan known as _____ hereinafter called the "Plan", which is expressly made a part hereof, as approved or to be approved by the City and the Landowner provides for management of storm water within the confines of the Property; and

WHEREAS, the City and the Landowner, and their successors and assigns, agree that the health, safety and welfare of the residents of the City of Rainbow City, Alabama, require that on-site Stormwater Management Facilities be constructed and maintained on a portion of the Property; and

WHEREAS, the City requires that on-site Stormwater Management Facilities ("Facility") as shown on the Plan be constructed and adequately maintained by the Landowner, its successors and assigns, the location and dimensions of which is shown and

more particularly described by metes and bounds in the attached Exhibit "A" ("Facility Property"); and

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto agree as follows:

1. The Landowner, its successors and assigns, shall adequately construct and maintain the on-site Stormwater Management Facility ("Facility") at no expense to the City of Rainbow City in accordance with the design specifications for the Facility, attached as Exhibit "B", and the current standards then in force and effect in the City of Rainbow City and with the Operations and Maintenance Plan attached to this Agreement as Exhibit "C". The Stormwater Facility includes all pipes, channels or other conveyances built to convey Stormwater to the facility, as well as all structures, improvements, and vegetation provided to control the quantity and quality of the Stormwater. Adequate maintenance is herein defined as good working condition so that these facilities are performing their design functions. The Stormwater Structural Control Maintenance Checklists, attached to this Agreement as Exhibit "D", are to be used to establish what good working condition is acceptable to the City.
2. The Landowner, its successors and assigns, shall inspect the Facility and submit an inspection report to the City annually. The purpose of the inspection is to assure safe and proper functioning of the Facility. The inspection shall cover the entire Facility, berms, outlet structure, pond areas, access roads, etc. Components of the Facility, which need maintenance or replacement to perform their design function, shall be noted in the inspection report along with the corrective actions to be taken.
3. The Landowner, its successors and assigns, hereby grant permission to the City, its authorized agents and employees, to enter upon the Property and to inspect the Facility Property whenever the City deems necessary. The purpose

of inspection is to follow-up on reported deficiencies and/or to respond to citizen complaints. The City shall provide the Landowner, its successors and assigns, copies of the inspection findings and a directive to commence with the repairs if necessary.

**4.** In the event the Landowner, its successors and assigns, fails to maintain the Facility in good working condition as specified herein, the City, its authorized agents and employees, may enter upon the Facility Property and take whatever steps necessary to correct deficiencies identified in the inspection report and to charge the costs of such repairs to the Landowner, its successors and assigns**. It is expressly understood and agreed that the City is under no obligation to routinely maintain or repair said Facility, and in no event shall this Agreement be construed to impose any such obligation on the City, as such obligation is Landowner's.**

5. The Landowner, its successors and assigns, will perform the work necessary to keep the Facility in good working order as appropriate. In the event the City pursuant to this Agreement, performs work of any nature, or expends any funds in performance of said work for labor, use of equipment, supplies, materials, and the like, the Landowner, its successors and assigns, shall reimburse the City upon demand, within thirty (30) days of receipt thereof for all actual costs incurred by the City hereunder. In the event that Landowner or its successors or assigns fail to pay the City for the costs incurred under this section, the City shall impress a lien for the costs of such work upon other lots owned by the Landowner. Such lien shall be perfected by filing in the office of the Probate Judge of Etowah County, Alabama, an affidavit identifying the property to be charged with such lien, stating the amount thereof, and making reference to this Agreement.

6. This Agreement imposes no liability of any kind whatsoever on the City. **THE LANDOWNER AGREES TO HOLD THE CITY HARMLESS FROM ANY LIABILITY IN THE EVENT THE FACILITY FAILS TO OPERATE PROPERLY. LANDOWNER COVENANTS AND AGREES AND DOES HEREBY AGREE TO INDEMNIFY, HOLD HARMLESS**

**AND DEFEND THE CITY OF RAINBOW CITY, ITS AGENTS, SERVANTS AND EMPLOYEES FROM AND AGAINST ALL COSTS, EXPENSES, LOSSES, DAMAGES, CLAIMS OR CAUSES OF ACTION WHATSOEVER ARISING, OR WHICH MIGHT ARISE, FROM THE FAILURE OF LANDOWNER OR ANY FUTURE OWNERS OF THE ABOVE FACILITITY PROPERTY TO MAINTAIN THE FACILITY, INCLUDING, BUT NOT LIMITED TO THE BED AND BANKS OF THE DETENTION POND; ANY DAMAGES CAUSED TO PERSON OR PROPERTY DUE TO (1) FLOODING OF THE POND AND ITS BANKS, (2) SLOPE FAILURE OF THE BANKS OF THE POND, OR (3) FAILURE OF THE POND OR ITS BANKS TO OPERATE IN A MANNER CONSISTENT WITH CITY OF RAINBOW CITY CRITERIA TO PERFORM ANY OTHER DUTIES OR OBLIGATIONS HEREUNDER.**

7. Landowner covenants and agrees that no habitable building shall be erected within the drainage easement outlined on Exhibit "A" but this paragraph shall not preclude construction of other improvements within the drainage easement, which do not impede drainage. Landowner covenants and agrees that no habitable building shall be erected on the above property abutting such easement which shall have a finished floor at an elevation less than two feet above the maximum depth of water in the detention pond which would occur during a 100 year frequency flood.

8. This Agreement shall be recorded among the land records of Etowah County, Alabama, shall constitute a covenant running with the land, and shall be binding on the Landowner, its administrators, executors, assigns, heirs and any other successors in interests, including any property owners' association.

[SIGNATURE PAGE FOLLOWS]

Executed this _____ day of _____ 20__.

Landowner

_____
Name:

Title: _____

City of Rainbow City, Alabama

_____
Joel Garmon
Building Official

ATTEST

_____
Heather Hill
Building Department Secretary

STATE OF ALABAMA §

COUNTY OF ETOWAH §

I, _____, a Notary Public in and for said County and State, hereby certify that _____ whose name(s) are subscribed to the foregoing instrument, and who is known to me, acknowledged before me on this day that being informed of the contents of the conveyance _____ executed the same voluntarily for the purposes and consideration expressed in the foregoing instrument.

Given under my hand and seal this _____ day of _____, 20_____.

_____
Notary Public, State of Alabama

**EXHIBIT "A"**

INSERT LEGAL DESCRIPTION

## Exhibit "C"

## CITY OF RAINBOW CITY STORMWATER FACILITY OPERATION AND MAINTENANCE PLAN

The only responsibility the City of Rainbow City has in the operation and maintenance of this Facility is inspection.

**General Maintenance Procedures**

The structural and functional integrity of the Facility shall be maintained at all times by removing and preventing drainage interference, obstructions, blockages, or other adverse effects into, through, or out of the system.

Periodic silt removal shall occur when standing water conditions occur or the pond's storage volume is reduced by more than 10%. Silt shall be removed and the pond/basin returned to original lines and grades shown on the approved engineering plans. In addition, corrective measures are required any time a basin does not drain completely within 72 hours of cessation of inflow. NO STANDING WATER IS ALLOWED in basins designed for dry detention purposes.

Accumulated litter, sediment, and debris shall be removed every 6 months or as necessary to maintain proper operation of the basin. Disposal shall be in accordance with federal, state and local regulations.

Detention facilities shall be mowed monthly between the months of April and October or anytime vegetation exceeds 12-inches in height.

To prevent debris from entering and clogging the downstream storm sewer system a wire mesh screen or similar screening device shall be installed over the outlet until final acceptance.

### 4. PREVENTIVE MAINTENANCE/INSPECTION

- Visual inspections of all components will be conducted every 6 months.
- A log shall be kept of maintenance actions, and inspections. The log should document the condition of the detention system's primary components, mowing, and silt, litter and debris removal dates. Document aeration of the basin bottoms and replanting to prevent the sealing of the basin bottom.
- **Written maintenance and repair records shall be maintained by the party or parties signing the attached Agreement and shall be provided to the City upon request.**

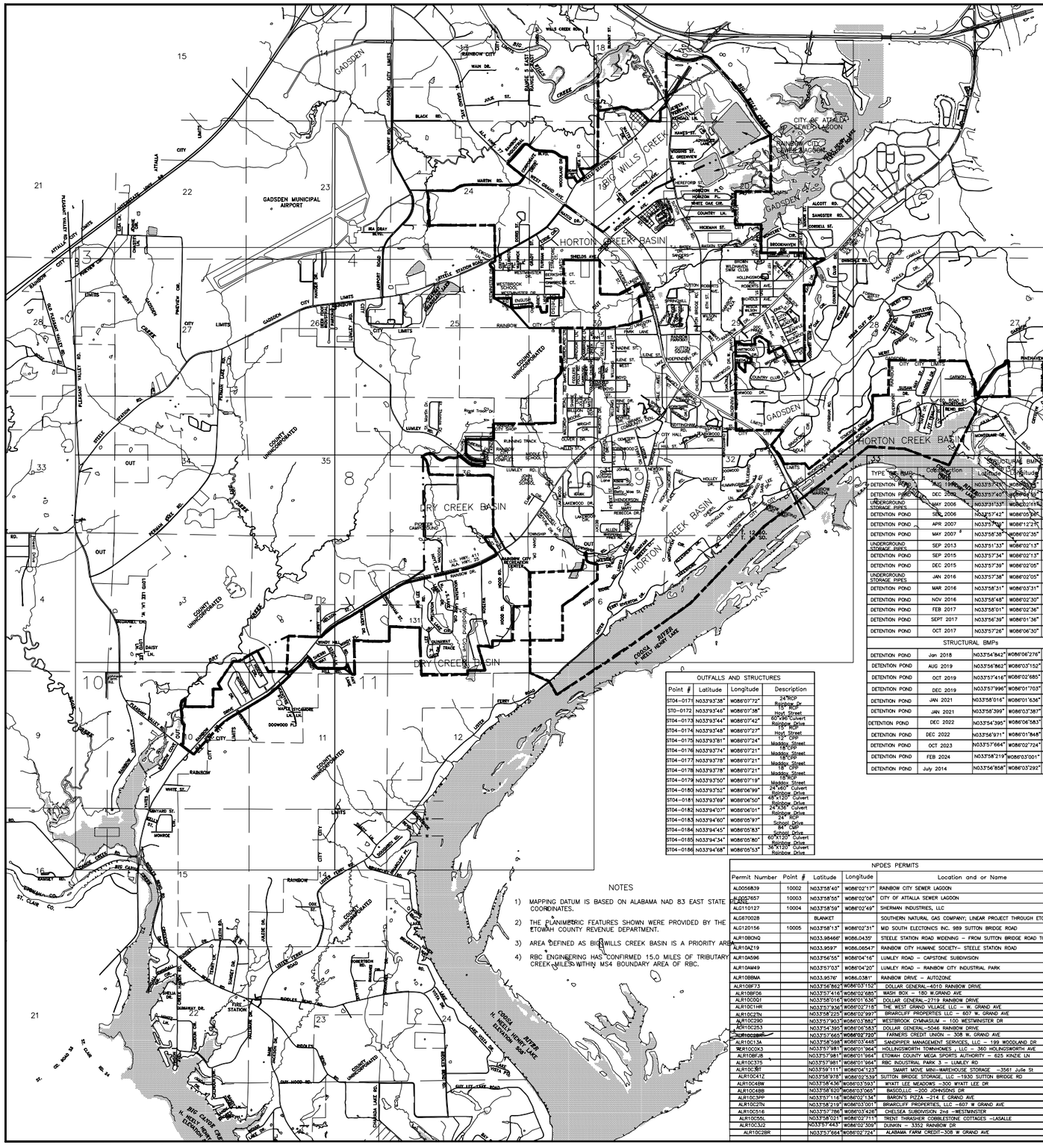
## Exhibit “D”

### Stormwater Structural Maintenance CHECKLIST

| FREQUENT INSPECTION | DATE | REPAIRS REQUIRED | REPAIRS MADE | NOTES |
|---|---|---|---|---|
| Mowing | | | | |
| Remove Trash and debris | | | | |
| Inspect irrigation system operation | | | | |
| Remove grass clippings | | | | |
| Violations Noted | | | | |
| | | | | |
| **MINOR INSPECTION** | | | | |
| Condition of Pond | | | | |
| Amount of silt in pond | | | | |
| Amount of silt in flume | | | | |
| Amount of ponded water | | | | |
| Amount of wetland vegetation | | | | |
| Location of Erosion | | | | |
| Percent of vegetation | | | | |
| Condition of trash guard | | | | |
| Location of Erosion | | | | |
| | | | | |
| **MAJOR INSPECTIONS** | | | | |
| Condition of Stormwater Quality Structure | | | | |
| Type of Stormwater Quality Structure | | | | |
| Structure type and Condition | | | | |
| Condition of Rip-Rap | | | | |

| | | | | |
|---|---|---|---|---|
| Condition of filtration system | | | | |
| Berm or Embankment Settlement | | | | |
| Location of erosion | | | | |
| Evidence of Animals | | | | |
| Evidence of Aquatic life | | | | |
| Condition of Aeration Foundation | | | | |

| SITE NAME | ADDRESS | TYPE | STATUS | OWNER | PERMIT DATE |
|---|---|---|---|---|---|
| | **Rainbow City Detention Ponds** | | | | |
| | | | | | |
| City Church | 4017 Rainbow Drive | Pond | Complete | Private | 7/12/2014 |
| Dollar General | 5046 Rainbow Drive | Pond | Complete | Private | 12/29/2022 |
| Paul Barker | 4980 Rainbow Drive | Pond | Complete | Private | 1/24/2018 |
| Dollar General | 4010 Rainbow Drive | Pond | Complete | Private | 1/1/2021 |
| Dunkin' Donuts | 3352 Rainbow Drive | Pond | Complete | Private | 12/15/2023 |
| Purple Onion | 3318 Rainbow Drive | Underground | Complete | Private | 8/26/2013 |
| Rainbow Presbyterian Church | 3220 Rainbow Drive | Pond | Complete | Private | 3/11/2013 |
| Dollar General | 2719 Rainbow Drive | Pond | Complete | Private | 8/29/2019 |
| Advance Auto Parts | 3333 Rainbow Drive | Underground | Complete | Private | 12/13/2004 |
| Shops At Little Bridge Marina | 65 Shops at Little Bridge Marina | Pond | Complete | Private | 5/12/2017 |
| Dennis Harker | 511 East Grand Ave | Pond | Complete | Private | 12/1/2022 |
| Barones Pizza & Arcade | 214 East Grand Ave | Pond | Complete | Private | |
| Bedwell Station | 607 West Grand Ave | Pond | Complete | Private | 6/3/2024 |
| Team One Toyota | 927 West Grand Ave | Pond | Complete | Private | 1/22/2016 |
| Smart Moves Storage | 3561 Julie Street | Pond | Complete | Private | 10/23/2023 |
| Wyatt Lee Meadows | 300 Wyatt Lee Drive | Pond | Complete | Private | |
| Plimpton Corner | 730 West Grand Ave | Pond | Complete | Private | 1/1/2021 |
| NEO - Northeast Orthopedics | 524 West Grand Ave | Pond | Complete | Private | 4/7/2016 |
| Alabama Farm Credit | 308 West Grand Ave | Pond | Complete | Private | 10/20/2023 |
| Wash Box | 180 West Grand Ave | Pond | Complete | Private | 10/1/2019 |
| Publix | 128 West Grand Ave | Pond | Complete | Private | 10/22/2014 |
| MMC Health Care | 110 MMC Parkway | Pond | Complete | Private | 12/20/2019 |
| Apartments on Hollingsworth | 360 Hollingsworth Ave | Pond | Complete | Private | |
| State Farm Charles Gough Ins. | 226 Sutton Bridge Road | Pond | Complete | Private | 1/28/2016 |
| Gold's Gym | 200  Market Way | Pond | Complete | Private | 6/5/2010 |
| Long Furniture | 3404 Greenview Ave | Pond | Complete | Private | 11/16/2007 |
| Wiggins Mini Warehouses | 1 Wiggins Street | Pond | Complete | Private | 8/12/2014 |
| Johnson's Giant Foods HQ | 200 Johnsons Drive | Pond | Complete | Private | |
| CFI - Choice Fabricators Inc. | 3155 Steele Station Road | Pond | Complete | Private | 4/22/2013 |
| Deere Foot Industrial Parkway | Deere Foot Industrial Parkway | Pond | Complete | City | 6/20/2001 |
| Animal Control | 4450 Steele Station Road | Pond | Complete | City | |




| OUTFALLS AND STRUCTURES | | | |
|---|---|---|---|
| Point # | Latitude | Longitude | Description |
| ST04-0171 | N033°39'38" | W086°07'72" | 24"RCP Ridgeview Dr |
| ST0-0172 | N033°39'46" | W086°07'38" | 15" RCP Hoyt Street |
| ST04-0173 | N033°39'34" | W086°07'42" | 60"x96 Culvert Ridgeview Drive |
| ST04-0174 | N033°39'48" | W086°07'27" | 18" RCP Hoyt Street |
| ST04-0175 | N033°39'31" | W086°07'24" | 15" CMP Maddox Street |
| ST04-0176 | N033°39'37" | W086°07'21" | 18" RCP Maddox Street |
| ST04-0177 | N033°39'37" | W086°07'21" | 18" RCP Maddox Street |
| ST04-0178 | N033°39'37" | W086°07'21" | 18"RCP Maddox Street |
| ST04-0179 | N033°39'50" | W086°07'19" | 18"RCP Maddox Street |
| ST04-0180 | N033°39'52" | W086°06'99" | 24"x60" Culvert Rainbow Drive |
| ST04-0181 | N033°39'09" | W086°06'50" | 48"x120" Culvert Rainbow Drive |
| ST04-0182 | N033°39'07" | W086°06'01" | 24"X36" Culvert Rainbow Drive |
| ST04-0183 | N033°39'40" | W086°05'97" | 24" RCP School Drive |
| ST04-0184 | N033°39'45" | W086°05'83" | 84" CMP School Drive |
| ST04-0185 | N033°39'34" | W086°05'80" | 60"x120" Culvert Rainbow Drive |
| ST04-0186 | N033°39'68" | W086°05'53" | 36"RCP Rainbow Drive |

| OUTFALLS AND STRUCTURES | | | |
|---|---|---|---|
| Point # | Latitude | Longitude | Description |
| ST04-0187 | N033°39'68" | W086°06'87" | 18"CMP Lake Vista Drive |
| ST04-0188 | N033°39'79" | W086°07'01" | 18"CMP Lake Vista Drive |
| ST04-0189 | N033°39'09" | W086°07'28" | 18"RCP Lake Vista Drive |
| ST04-0190 | N033°38'23" | W086°06'44" | 24" CMP Lake Vista Drive |
| ST04-0191 | N033°38'95" | W086°08'27" | 15"HDPE Hill Avenue |
| ST04-0192 | N033°39'52" | W086°09'40" | 24"RCP Juliette Drive |
| ST04-0193 | N033°39'37" | W086°09'38" | 36" RCP Juliette Drive |
| ST04-0194 | N033°39'73" | W086°08'17" | Shady Lane |
| ST04-0195 | N033°39'85" | W086°07'58" | 24" RCP Horseshoe Bend Road |
| ST04-0196 | N033°39'85" | W086°07'58" | 24" RCP Horseshoe Bend Road |
| ST04-0197 | N033°39'52" | W086°07'92" | 15"HDPE Doughboy Road |
| ST04-0198 | N033°39'52" | W086°07'92" | 18"RCP Doughboy Road |
| ST04-0199 | N033°39'47" | W086°08'02" | 18"RCP Doughboy Road |
| ST04-0200 | N033°39'47" | W086°07'74" | 15" RCP Briarcliff Road |
| ST04-0201 | N033°39'38" | W086°07'50" | 18"CMP Briarcliff Road |
| ST04-0202 | N033°39'45" | W086°07'48" | 15"RCP Briarcliff Road |
| ST04-0203 | N033°39'47" | W086°07'47" | 24"RCP Briarcliff Road |
| ST04-0204 | N033°39'55" | W086°07'52" | 24"RCP Briarcliff Road |
| ST04-0205 | N033°39'69" | W086°07'63" | 15" RCP Briarcliff Road |
| ST04-0206 | N033°39'76" | W086°07'60" | 24"RCP Briarcliff Road |
| ST04-0207 | N033°39'76" | W086°07'61" | 24"RCP Briarcliff Road |
| ST04-0208 | N033°39'76" | W086°07'57" | 24"RCP_CMP Lake Lane |
| ST04-0209 | N033°39'38" | W086°07'07" | 36"CMP Riddles Bend Road |
| ST04-0210 | N033°39'38" | W086°07'77" | 36"HDPE Riddles Bend Road |
| ST04-0211 | N033°39'37" | W086°07'54" | 15 CMP Riddles Bend Road |
| ST04-0212 | N033°39'37" | W086°07'51" | 18"RCP Riddles Bend Road |
| ST04-0213 | N033°38'73" | W086°07'37" | 15" RCP Riddles Bend Road |
| ST04-0214 | N033°38'10" | W086°07'14" | 15" RCP Riddles Bend Road |
| ST04-0215 | N033°38'10" | W086°07'14" | 15" RCP Riddles Bend Road |
| ST04-0216 | N033°38'84" | W086°07'33" | 15" RCP Riddles Bend Road |
| ST04-0217 | N033°38'00" | W086°07'38" | 15" RCP Riddles Bend Road |
| ST04-0218 | N033°38'04" | W086°07'54" | 15" RCP Riddles Bend Road |
| ST04-0219 | N033°38'04" | W086°07'37" | 15" RCP Riddles Bend Road |

| OUTFALLS AND STRUCTURES | | | |
|---|---|---|---|
| Point # | Latitude | Longitude | Description |
| ST04-0220 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0221 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0222 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0223 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0224 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0225 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0226 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0227 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0228 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0229 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0230 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0231 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0232 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0233 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0234 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0235 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0236 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0237 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0238 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0239 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0240 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0241 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0242 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0243 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0244 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0245 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0246 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0247 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0248 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0249 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0250 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0251 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0252 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0253 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0254 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0255 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0256 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0257 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0258 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0259 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0260 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0261 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0262 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0263 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0264 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0265 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0266 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0267 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0268 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0269 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0270 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0271 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0272 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0273 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0274 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0275 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| ST04-0276 | N033°38'04" | W086°07'27" | 15" RCP Riddles Bend Road |
| 

**Annual Inspection Report for**
**Stormwater Management Ponds**

**Location** Choice Fabricators INC. - 3155 Steele Station Road

**Date** 1/3/2025 **Inspector** John D. Jayroe

| Inspection Items: | Pass | Fail | N/A | Comments |
|---|---|---|---|---|
| **Terrain/bank Components** | | | | |
| Bank Stabilization | X | | | |
| Spillway | X | | | |
| Outfall | X | | | |
| Other: | | | X | |
| **Water Quality** | | | | |
| Turbidity | | | X | |
| Floating Debris | | | X | |
| Submerged/semi- | | | X | |
| submerged debris | | | X | |
| oil sheen/Surface Scum | | | X | |
| Other: | | | X | |
| **General Site Conditions** | | | | |
| Proper Maintenance | X | | | |
| Access | | | | |
| Other: | | | X | |
| **Structures** | | | | |
| Pumps | | | X | |
| Aerators | | | X | |
| Valves | | | X | |
| Water Treatment | | | X | |
| Structures | | | X | |
| Other: | | | X | |

**Actions Required:** No issues encountered on date of inspection

# Appendix H – Pollution Prevention for Municipal Operations

# List – Property Owned by the City of Rainbow City

Rainbow City Park (PPIN 047845)
3525 Park Lane
Walking Track, WT Vinyard Building, Pavilions, playground, picnic tables, tennis courts, pickleball courts

Rainbow City Community Center/Library (PPIN 048408)
3702 Rainbow Drive
4.00 acres

Rainbow City Municipal Building (PPIN 048409)
3700 Rainbow Drive
City Hall, Fire Dept., Police Dept.

7.3 acres behind the Rainbow City Recreation Center (PPIN 057152)
4412 Rainbow Drive
Ballfields

Rainbow City Recreation Center (PPIN 057155)
4412 Rainbow Drive
5.00 acres
Recreation Center, tennis courts, ballfields

Rainbow City Annex Building (Etowah County Historical Society
4412A Rainbow Drive

4414 Rainbow Drive (PPIN 057159)
.54 acres adjacent to the tennis courts at the Recreation Center
1.45 acres behind the .54 acres (PPIN 057160)

Vivian Lee Maddox Sports Complex
4573 Rainbow Drive
19.00 acres – soccer fields, ballfields, batting cage (PPIN 057186)
19.00 acres – baseball complex, concession stand, playground (PPIN 057187)
61.27 acres – disc golf, walking track, nature trail (PPIN 055455)
62.00 acres – (PPIN 055456) with lake
41.00 acres – (PPIN 095224) to the left of concession stand
43.00 acres - (PPIN 055430)

.74 acres Creekside Estates in Ball Play (PPIN 022565) (acquired through mitigation)
1.59 acres Creekside Estates in Ball Play (PPIN 074586)

4.19 acres Creekside Estates in Ball Play (PPIN 074589)
15.10 acres Creekside Estates in Ball Play (PPIN 074588)

Helipad (PPIN 064909)
1822 Pineview Circle
21.00 acres
Double wide trailer, helicopter pad operated by Survival Flight

2010 Broadway Street – Residential lot only (PPIN 039477)
Gadsden
Acquired through a drug conviction

Rainbow City Animal Shelter (PPIN 094053)
4450 Steele Station Road
Quasi hut
7.9 acres

40.00 acres (PPIN 048339) behind City Shop
41.00 acres (PPIN 055431) behind City Shop

Lindsey Property – Purchased 2/27/18
412 West Grand Ave. (PPIN 047740)
30.00 acres (PPIN 074751)
6.00 acres (PPIN 047836)
13.00 acres (PPIN 047837)
4.71 acres (PPIN 047838)
510 West Grand Ave. (PPIN 047748)
27.00 acres (PPIN 10448)

Etowah County Mega Sports Complex
5000 Lindsey Street
40.00 acres (PPIN 055374)
19.80 acres (PPIN 048052)
41.00 acres (PPIN 048054)
37.30 acres (PPIN 055432)
1.00 acre (PPIN 74513)

City Shop
318 Kinzie Lane (PPIN 106248)
15.00 acres (PPIN 055447)
(PPIN 055449) 9/12/22
Shop, recycling center, fencing, gravel parking

Lots 14 & 15 of Briarcliff Village (near Horseshoe Bend)
Lister Ferry Road
(PPIN 058172)
Donated to RBC by Allegheny Land Development

Fire Station II (PPIN 058522)
1400 Riddles Bend Road
2.01 acres
Fire Station, parking

.70 acres Lumley Road (PPIN 055406)
Near Universal Tool

8 acres – 238 Lumley Road (PPIN 48342 & 104009) DeVine Property
Purchased 10/13/21

Rainbow Landing (PPIN 049073)
100 Lakeshore Drive
Boat ramp, parking, restrooms, picnic pavilions, fishing pier

Lindsey Street (PPIN 073016)
10.00 acres
Purchased 3/31/21

74 acres – Martin Road
Purchased 4/15/22
PPIN 055240 055246 055239

56 Horizon Place (PPIN 041037)
(Quiet Action Title)
November 2022

Chert Pit – St. Clair County (PPIN 064079)
40 acres
Purchased 5/9/08

8.15 acres – St. Clair County (PPIN 3772)-next to Chert Pit
1.24 acres – St. Clair County (PPIN 3773)-next to Chert Pit

**Industrial Parks:**
Deerfoot Industrial Park
Steele Station Road
55.56 acres

Rainbow Industrial Park
Highway 77
48 acres

Lumley Road Industrial Park
165.00 acres (PPIN 055375)
47.12 acres (PPIN 055410)

Airport Road
50.00 acres (PPIN 055258)
Purchased 3/1/23

Rainbow Drive
5.03 acres (PPIN 57193)
Purchased 3/22/24

4017 Rainbow Drive (formally City Church)
(PPIN 48304)
Purchased 3/24/24

**Possible Annexations:**
NEAR Mega Site
Little Canoe Creek
1765 Canoe Creek Road North
1,100 acres
Zoned: Industrial

April 22, 2024

3.

## RAINBOW CITY VEHICLE MAINTENANCE/INSPECTION PROCEDURES

Vehicle and equipment maintenance activities can pose a significant threat to storm water. The USEPA considers automotive maintenance facilities to be potential sources of petroleum, trace metals, antifreeze, and sediments that can contaminate stormwater runoff (USEP ,2004). Many petroleum products and chemicals are handled, stored; and disposed of on a regular basis during vehicle maintenance. Proper handling, storage, and disposal are critical to preventing contact with storm water. Exterior storage of supplies, spare parts, vehicles, and equipment can be a source of storm water pollution. Generally, good housekeeping and proper management of wastes can have a significant impact on stormwater runoff quality.

In order to minimize the negative effects of routine municipal operations on storm water and the surrounding receiving streams, the following minimum procedures are recommended for each department in order for the City to comply with our NPDES permit issued by ADEM:

1. Inspect all equipment and vehicles for leaks at least once per month and repair all leaks immediately.
2. Perform maintenance activities indoors when possible.
3. Keep spill/clean-up absorbent materials on-site and easy to access.
4. Dispose of waste materials (antifreeze, solvents, batteries, fuels, lubricants, etc.) or parts properly.

## RAINBOW CITY VEHICLE WASHING PROCEDURES

Municipal vehicles including emergency vehicles, roadway maintenance vehicle, and all other administrative support vehicles typically have sediments, oil, or other particles on them that end up in streams when they are washed. Soap, detergents, and vehicle/equipment cleaners are often used in the washing process. These pollutants, especially detergents, can have harmful effects on streams. For these reasons, our stormwater management plan approved by ADE requires us to protect the stormwater by washing vehicles in the appropriate location.

The ideal location for washing vehicles is at a designated indoor or covered location with drains designed t filter the runoff prior to discharging into the sanitary sewer system. Currently, only the fire department has a designated indoor area with floor drains; however, the drains currently do not discharge to the sanitary sewer system. The drain system in the fire bays will be investigate to determine if filters can be installed within the inlet or if the outfall locations can be retrofitted or will use the outdoor wash areas. All other municipal vehicles should be washed on grass/pervious sur aces. All departments must use a soap that does not contain any phosphates. All municipal vehicles should be washed at least once per month to minimize the pollutants on each vehicle that will generally get washed off during a rain event and enter a receiving stream.

# Wash Area at RBC Shop / Street Department

# Wash Area at Fire Station No. 1

# Wash Area at Fire Station No. 2

# Vehicle Inspection Report

Jacob Crarmon — **Operator Name**

PW8 — **Vehicle Number**

5/13/24 — **(Week Beginning)**

5/17/24 — **Date (Week Ending)**

| | Mon | Tues | Wed | Thurs | Fri |
|---|---|---|---|---|---|
| **Date:** | 5/13 | 5/14 | 5/15 | 5/16 | 5/17 |
| **Daily Mileage** | 41,243 | 41,343 | 41,400 | 41,480 | 41,553 |
| **Items Checked** | | | | | |
| **1) Headlights** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **2) Tail Lights** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **3) Turn Signals** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **4) Flashers** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **5) Brakes** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **6) Wipers** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **7)Tires** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **8) Safety Belts** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **9) Mirrors** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **10) Horn** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **11) Fire Extinguisher** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **12) Interior is free of Trash** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **13) Vehicle Leaks** | X | X | X | X | X |

**14) Engine Check: Oil Level, Coolant Level, Hoses, Battery, Belts, Instruments, Steering, Parking Breaks, Exhaust, Heater/Defroster, Clutch/Transmission, Air Conditioner, Body/Doors.**

| | | | | |
|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ |

**Operator's Comments:**----------

# Vehicle Inspection Report

Cody — **Operator Name**

PW 6 — **Vehicle Number**

08-12-2024 — **(Week Beginning)**

08-16-2024 — **Date (Week Ending)**

**Date**

| | Mon | Tues | Wed | Thurs | Fri |
|---|---|---|---|---|---|
| **Date:** | 08-12 | 08-13 | 08-14 | 08-15 | 08-16 |
| **Daily Mileage** | 140765 | 140872 | 140975 | 141000 | 141009 |
| **Items Checked** | | | | | |
| **1) Headlights** | | | | | |
| **2) Tail Lights** | | | | | |
| **3) Turn Signals** | | | | | |
| **4) Flashers** | | | | | |
| **5) Brakes** | | | | | |
| **6) Wipers** | | | | | |
| **7)Tires** | | | | | |
| **8) Safety Belts** | | | | | |
| **9) Mirrors** | | | | | |
| **10) Horn** | | | | | |
| **11) Fire Extinguisher** | | | | | |
| **12) Interior is free of Trash** | | | | | |
| **13) Vehicle Leaks** | | | | | |

**14) Engine Check: Oil Level, Coolant Level, Hoses, Battery, Belts, Instruments, Steering, Parking Breaks, Exhaust, Heater/Defroster, Clutch/Transmission, Air Conditioner, Body/Doors.**

| | | | | |
|---|---|---|---|---|
| ✓ | ✓ | ✓ | | ✓ |

**Operator's Comments:**

**JEREMY ADAM MCDANIEL**

is certified as a

**Commercial Applicator**

Categories: OTPS

Expiration: 11/28/2027

Permit #: 2001953

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Animal Shelter |
| **Facility Location:** | 4450 Steele Station Rd |
| **Date of Inspection:** | 1/2/2025 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 45° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Kristy Causey | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Animal Shelter |
| **Facility Location:** | 4450 Steele Station Rd |
| **Date of Inspection:** | 4/1/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Mostly Cloudy 71° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Kristy Causey | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Animal Shelter |
| **Facility Location:** | 4450 Steele Station Rd |
| **Date of Inspection:** | 7/1/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 82° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Kristy Causey | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Animal Shelter |
| **Facility Location:** | 4450 Steele Station Rd |
| **Date of Inspection:** | 10/2/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Fair 75° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Kristy Causey | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 1 |
| **Facility Location:** | 3700 Rainbow Drive |
| **Date of Inspection:** | 10/2/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 78° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | **FAIL** | Wattle in bad shape and needs replacing | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 1 |
| **Facility Location:** | 3700 Rainbow Drive |
| **Date of Inspection:** | 1/2/2025 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 50° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 1 |
| **Facility Location:** | 3700 Rainbow Drive |
| **Date of Inspection:** | 4/1/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Fair 73° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 1 |
| **Facility Location:** | 3700 Rainbow Drive |
| **Date of Inspection:** | 7/1/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 83° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 2 |
| **Facility Location:** | 1400 Riddles Bend Rd |
| **Date of Inspection:** | 1/2/2025 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 45° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 2 |
| **Facility Location:** | 1400 Riddles Bend Rd |
| **Date of Inspection:** | 4/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Fair 73° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 2 |
| **Facility Location:** | 1400 Riddles Bend Rd |
| **Date of Inspection:** | 7/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 82° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Fire Station No. 2 |
| **Facility Location:** | 1400 Riddles Bend Rd |
| **Date of Inspection:** | 10/02/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 77° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Tim McKee | |
| | Position:<br>Fire Chief | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | **FAIL** | Wattle is missing and needs to be replaced | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Recreation Center |
| **Facility Location:** | 4412 Rainbow Dr |
| **Date of Inspection:** | 1/2/2025 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 43° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Phillip Hollingsworth | |
| | Position:<br>Director | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Recreation Center |
| **Facility Location:** | 4412 Rainbow Dr |
| **Date of Inspection:** | 4/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Mostly Cloudy 70° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Phillip Hollingsworth | |
| | Position:<br>Director | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Recreation Center |
| **Facility Location:** | 4412 Rainbow Dr |
| **Date of Inspection:** | 7/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 89° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Phillip Hollingsworth | |
| | Position:<br>Director | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Recreation Center |
| **Facility Location:** | 4412 Rainbow Dr |
| **Date of Inspection:** | 10/02/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 77° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Phillip Hollingsworth | |
| | Position:<br>Director | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Maintenance/Shop Street Department |
| **Facility Location:** | 318 Kinzie Lane |
| **Date of Inspection:** | 1/2/2025 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 50° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Michael Stevens | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Maintenance/Shop Street Department |
| **Facility Location:** | 318 Kinzie Lane |
| **Date of Inspection:** | 4/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Mostly Cloudy 71° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Michael Stevens | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Maintenance/Shop Street Department |
| **Facility Location:** | 318 Kinzie Lane |
| **Date of Inspection:** | 7/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Sunny 83° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Michael Stevens | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
| Improperly labeled or leaking drums | Improper outdoor storage of potential stormwater pollutants |
| Inadequate or inaccessible spill response equipment | Oily rags improperly discarded |

# City of Rainbow City, Alabama
# Storm Water Inspection Checklist

| | |
|---|---|
| **Facility:** | Rainbow City Maintenance/Shop Street Department |
| **Facility Location:** | 318 Kinzie Lane |
| **Date of Inspection:** | 7/01/2024 |
| **Reason for Inspection:** | Quarterly Inspection |
| **Weather:** | Partly Cloudy 73° |

| | | | |
|---|---|---|---|
| Has the facility applied for coverage under the NPDES Industrial Stormwater Permit? | YES | **NO** | N/A |
| Does facility have Stormwater Pollution Prevention Plan (SWP3)? | YES | **NO** | N/A |
| Has facility implemented the SWP3? | YES | **NO** | N/A |
| Is there evidence of stormwater pollutants leaving site? (If YES, explain below)<br>Describe pollutants: NO | | | |

| | | |
|---|---|---|
| Were stormwater issues discussed with on-site representative? | YES | **NO** |
| If YES, what is name and position of representative? | Name:<br>Michael Stevens | |
| | Position:<br>Supervisor | |
| Final Stabilization Completed | | |

| | |
|---|---|
| **Inspector Name:** | John D. Jayroe |
| **Company:** | RBC Building Department |
| **Signature:** | John D. Jayroe |

## Inspection Results:

| Inspection Completed For: | YES/ NO/NA | PASS/ FAIL | Deficiencies Found | PHOTO # |
|---|---|---|---|---|
| Current Industrial NOI | **NA** | | | |
| Stormwater Pollution Prevention Plan | **NA** | | | |
| Areas around machinery and/or equipment | | **PASS** | | |
| Areas prone to leaks and spills | | **PASS** | | |
| Outdoor storage and handling areas | | **PASS** | | |
| Waste generation, storage, treatment and disposal areas | | **PASS** | | |
| Vehicle wash-down areas | | **PASS** | | |
| Fueling areas | **NA** | | | |
| Loading and unloading areas | **NA** | | | |
| Other: | | | | |

| Inspect for the following: | |
|---|---|
| Stains, spots or puddles of oils, grease, or chemicals on concrete or around drains. | Torn bags of dry chemicals or bags exposed to rain |
| Leaking or corroded equipment, pipes, containers, or lines. | Broken or cracked dikes, walls, or other physical barriers |
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